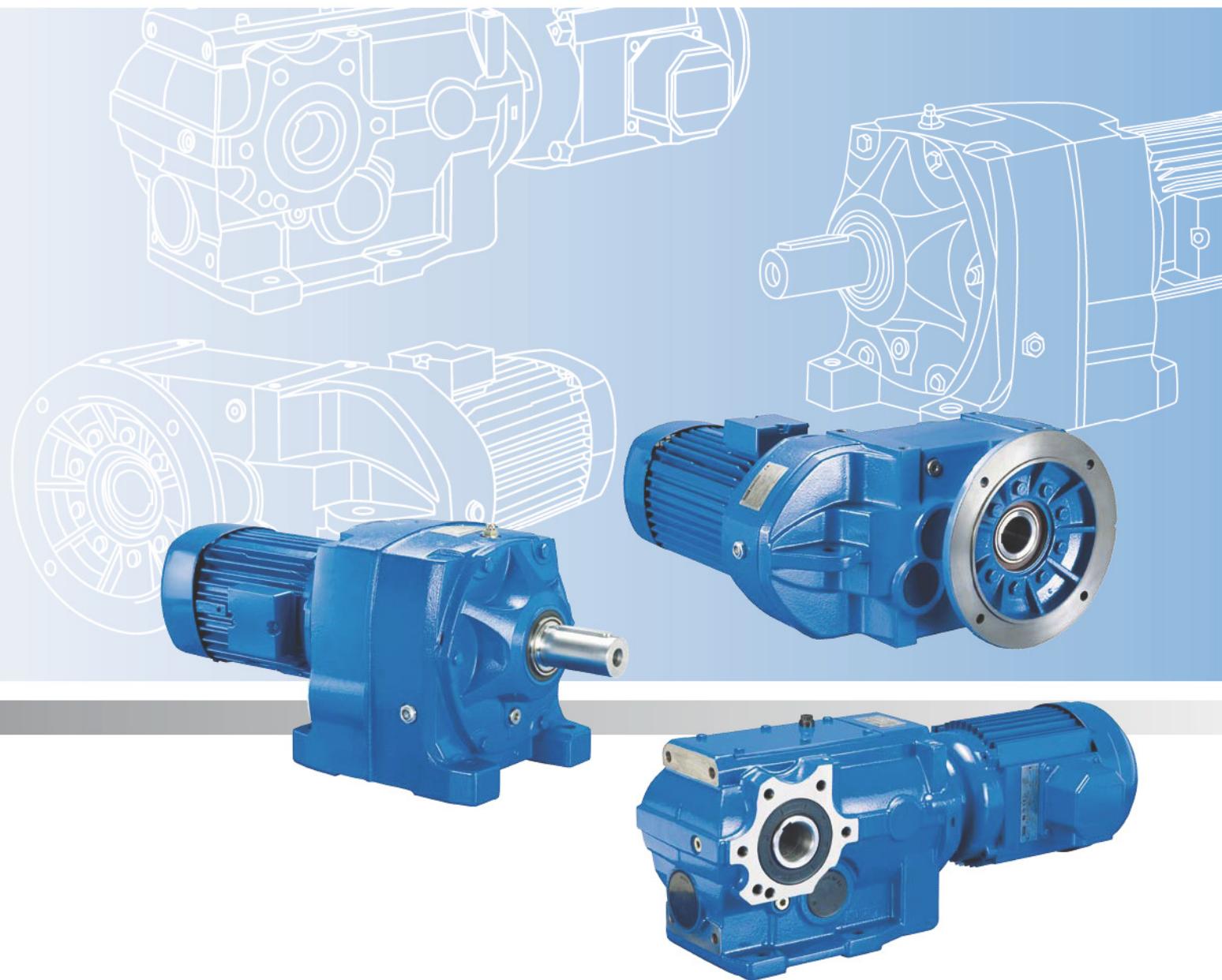




PREMIUM STEPHAN



S4 series
PREMIUM
STEPHAN
GEARED MOTORS
GEAR UNITS



SIT S.A. | Tfn. 943 457200 | atencioncliente@sitsa.es | www.sitsa.es

Content.

The Premium Group	4	1
The S4 Product Family	5	2
Product Description	7	3
Instructions for Drive Selection	13	4
SI4	18	5
SP4	221	6
SK4	405	7
Technical Appendix	551	8

1 The Premium Group

Combined for better performance

Integrated solutions for mechanical drive technology are our strength. We have formed a group of top businesses which in cooperation with one other, offer economical solutions for your drive technology needs, everything from single products to integrated system solutions.

Your basis for success

High-quality products, application expertise and absolute dependability; your decision for the whole spectrum of the Premium family is a decision for a strong and reliable partner.

The Premium Stephan Company

Premium Stephan, a member of the Premium group, has been developing and manufacturing a wide choice of gear units, geared motors and other products from the field of mechanical drive technology at the Hameln site for decades. Perfected design, computation and manufacturing technologies have contributed to Premium Stephan's outstanding reputation as a partner for individual drive solutions. Customer-oriented customised gear units or backlash-free precision gears for industrial robots are established components in our product assortment, along with the S4, C4 and E4 series. In our production area of 17,000 m², we manufacture according to the most modern, computer-assisted and especially "streamlined" management principles of the third century. Premium Stephan is an associated partner of the Premium group for mechanical drive technology. Along with planning, development and design, we offer our customers not only individual products, but customised solutions through worldwide distribution. Whether assemblies or closed systems, we have the correct solution for your application.

We possess outstanding references in the development, construction and manufacture of individual drive solutions. Through our worldwide distribution, we also offer package solutions for over-sized gear units and drive elements:

- Standard gear units
- Drive-Packages
- Complete solutions
- Customised gear units
- Low-backlash gear units

The S4 Product Family

● Strong

Features

The optimized gearing and shaft geometry compensates deflection under load. Application-hardened, hard-machined gear wheels correspond to high quality requirements.

Gear unit casings, covers, feet, flanges, and motor casings are heavily ribbed and securely connected to each other.

Carefully dimensioned shaft and roller bearings absorb high external loads. The components are dimensioned to withstand peak loads even under the most adverse operating conditions.

Advantages

The *Premium Stephan S4* transfers higher torques with a given shaft-center distance for a long, low-maintenance service life.

The ruggedly designed casing ensures maximum robustness under high load and failure-free operation.

High load-carrying capacities to absorb high external forces at the input and output shaft ensure a long bearing life of the *Premium Stephan S4* geared motor.

● Silent

Features

Optimized gearing geometry and precise abrasive engineering practice create a smooth rolling of the tooth flanks involved in the engagement.

The inside of the casing was reinforced by ribs similar to the star-shaped output cover.

Using high-precision machining of the motor flange, motor and gear unit were integrated into a harmonic unit.

Advantages

The result is a nearly perfect tooth engagement, even load distribution across the complete face width, minimum vibrations and, therefore, a smooth, low-noise running.

Perfectly tied-in ribs dampen vibrations and ensure that vibrations are not passed on to the environment as noise.

The pinion mounted directly on the motor shaft engages in the gearing of the gear unit without angle error and does not create any disturbing noise.

● Standard

Features

Connection dimensions of shafts, feet, and flanges are identical with those of the market standard.

The Premium Stephan S4 program features a broad range of designs and numerous standard options. Additional information can be found in the overview of the product program.

Advantages

The *Premium Stephan S4* series corresponds to the market standard; based on the outstanding performance specifications, it is predestined to replace existing drives.

The most economical design for the respective application can be selected and is available worldwide.

● Smart

Features

The EasyFit System:

Pre-assembled gear units are factory assembled in Germany.

Pre-assembled gear units, motors and wheel sets are stocked in the Rexnord assembly centers throughout the world.

Short assembly time and high part interchangeability are granted at each assembly center side due to the unique EasyFit System.

Advantages

Guaranteed High Quality.

Over millions of design variants can be quickly assembled through a corresponding combination of pre-assembly components which allows for worldwide availability.

Short delivery time.

1. The S4 Product Family

2. Product description

1 The S4 Product Family

The Premium Stephan **S4** preassembly system offers the right components for every application.

The S4 series includes a complete range of coaxial helical geared motors, parallel shaft helical geared motors, and helical bevel geared motors.

The four **S** - **S**trong, **S**ilent, **S**tandard, **S**mart - identify the S4.

"**S**trong" because of the high rated torques that are above the market standard. They are the most powerful drives on the geared motor market.

"**S**ilent" because of the optimized gearing geometry and precision-finished face flanks that allow for an extremely smooth, low-noise running, and

"**S**tandard" because of market-oriented dimensions that facilitate the conversion to S4 and allow for a simple assembly for a worldwide geared motor application.

"**S**mart" The unique EasyFit system allows in minutes to assemble a customize geared motor at dealers place (assembly house).

The modular S4 series was built using a minimum of components, thereby ensuring high reliability and simple maintenance.

1.1 Use as prescribed

Gear units/geared motors are designed for the purpose of converting rotational speed and torque. They are intended for use in industrial systems and may only be used as recommended in the Premium Stephan technical documentation and in accordance with the specifications on the nameplate.

2 Product Description

2.1 Quality through innovation and control

The products manufactured by Premium Stephan meet very high quality requirements. Constant control with strict compliance of initiated quality guidelines meets highest demands. State-of-the-art processing centers, contiguous measuring and test technology, and a distinctive quality awareness in all employees are a guarantor for efficient and function-oriented products.

Flexible production flows, supported by the Premium Stephan modular system, guarantee high availability while considering individual demands.

The torsionally-rigid gear unit casings are made of high-quality cast iron and guarantee a vibration-free operation. The robust structure of the S4 geared motors is based on ribbed castings and optimum roller bearings to allow for absorbing even high external loads.

A high efficiency is reached through helical, hardened and precision-machined gear wheels. The motor output becomes effective at the output shaft without nearly any losses.

The gear units are tested in the experimental test field and tested for extreme requirements. With standard motor type of enclosure IP 55 and insulation class F, our electric motors are even safe to operate under extreme operating conditions.

Constant innovation and always looking for better manufacturing processes allow for withstanding the growing requirements of the market.



2. Product Description

2.3 General technical data

2.3.1 Motor output and output torque

The motor output and torque values listed in the selection tables refer to normal operating conditions and the standard type of construction or to comparable types of construction of the respective type of gear unit. The decisive factor is that the drive stage does not completely run in the oil bath.

2.3.2 Output speeds

The output speeds listed in the selection tables are guide values and can be calculated using the specified motor speed n_1 (for rated operation) and the respectively valid exact gear ratio i_{ex} . However, the actual output speed depends on the effective motor load and the local supply conditions and, therefore, may deviate slightly.

2.3.3 Service Factor

The Service Factor SF listed in the selection tables is calculated using the maximum permissible torque of the gear unit and the output torque permitted by the installed motor output. Service Factor are not standardized and, therefore, may differ dependent upon the manufacturer. For Premium Stephan S4 geared motors, a gear unit with an application factor of SF = 1 already offers an enduring dimensioning and, therefore, ensure highest reliability. In case of doubt, we would gladly provide you with more information in a personal consultation.

2.3.4 Weights

The weights specified are guide values for further dimensioning. Due to the variation in gear ratios and different types of construction (oil quantity), the exact weights may deviate slightly.

2.4 General construction design and dimensioning

2.4.1 The gear unit

Gear wheels	Carburized and hardened helical and ground or rotary-beveled spur gears. Bevel gear wheels with helical gearing, lapped bearing surfaces
Castings	GG-20 cast iron as standard
Bearings	Sufficiently dimensioned roller bearings so that input and output shaft can absorb significant external loads
Shafts	Output shafts made of quenched and tempered steel
Lubrication	Splash lubrication with gear unit oil or grease for designs with oil-feed tubing, the lubrication is carried out via integrated pump. Roller bearing at the output shaft end is lubricated for life with grease.
Seals	Radial shaft seals, with dust lip at the output side
Efficiency	The efficiency of a gear unit is primarily determined by splash losses, bearing and gearing friction. On an average across all sizes, the efficiency measures approx. 99 % for standard (or similar) types of construction for each gear stage.

2. Product Description

2.4.2 The motor

Design	Geared motors with integrated motor up to 45 kW (pinion directly on motor shaft). For universal motor assembly (drive end U), a standard IEC motor of B5 may be attached.
Casting	Aluminum alloy as standard up to size 132. A motor housing of cast iron is available as an option. Cast iron is standard starting with size 160.
Bearing	Deep-groove ball bearing lubricated for life. Starting at size 200 with equipment for regreasing.
Type of enclosure	IP 55, higher types of enclosure available upon request. Number of poles: Preferably 4-pole motors (1,500 rpm), other number of poles and pole changing motors are possible.
Voltages	up to 3 kW: 230/400 V ± 10% 50 Hz, 265/460 V ± 10% 60 Hz from 4 kW to 22 kW: 400/690 V ± 10% 50 Hz, 460 V delta ± 10% 60 Hz. Other voltages upon request
Insulation	Insulation class F, utilized to B. Suitable for humidity up to 95%.
Cable entries	On principle, the cable entries of the motors are implemented with the corresponding metric threads. Screwed cable glands are not part of the scope of delivery.
Efficiency class	The standard motors are manufactured according to efficiency class IE 2 . Energy efficient motors to efficiency class IE 3 are available as an option.
Standards	The motors in the range of 0.12 to 22 kW, are according to the standards to CE, CSA and UL. Country specific executions for USA and Canada are possible on request.

2.4.3 The brake motor

Design:	Integrated, DC-excited spring-applied disk brake. Connection via a rectifier installed in the terminal box.
Voltage:	Connection: 230 or 400 VAC corresponding to 102 or 178 V DC at the brake coil.
Type of enclosure:	IP 55 as standard.

2.4.4 Operating conditions

Please consult page 14, chapter 2.5 for hazardous locations according to ATEX.

The geared motors are suited for use at ambient temperatures from -10 °C to +40 °C and installation altitudes up to 1.000 m.a.s.l..

As delivered with oil filling (see above), ambient temperatures from 0 °C to 40 °C are permitted as standard.

In case of deviating ambient temperatures and in aggressive environments (acid vapors or similar), the manufacturer must be consulted first.

2.4.5 Outputs, torques and speeds

The outputs and torques listed in the tables refer to a condition at operating temperature with permissible ambient temperatures and standard lubricants. The specified output speeds are rounded values and refer to the rated speed of the motor at delivered rated output.

2.4.6 Installation instructions

The geared motor must be installed free of vibrations. Power transmission elements such as belt pulleys or similar should be arranged as close to the gear unit housing as possible. The cooling air intake of the motor must not be obstructed by unfavorable installation or contamination. The brake must be accessible for maintenance work.

2. Product Description

2.4.7 Reference to applicable standards

The gear unit components, such as shafts, pinions, gear wheels, and bearings are dimensioned according to pertinent EN, ISO or DIN standards.

2.4.8 Delivery instructions

Lubricant:	Sizes 1 and 2: Filled with lubricant for life, ventilation not necessary.
Gear unit oil:	Starting with size 3: Gear units for Germany, Switzerland, and Austria are delivered in filled condition (except for SCA, SCP), otherwise unfilled (internally preserved). Before commissioning, the drain plug must be replaced by the supplied vent plug.
Coating:	RAL 5002 top coat as standard.
Terminal box:	Bores are closed with plastic plugs. Screwed glands are not supplied.
Corrosion protection:	Uncoated parts of the drives (e.g. output shafts) are corrosion-protected.
Lifting Lugs:	Starting with gear unit size 3 and motor size 112.

2.5 Notes about the operation in hazardous atmosphere (ATEX)

Attention! You can not select gearboxes and geared motors for application in hazardous locations (ATEX) from this catalogue. Please advise requirements to your nearest Rexnord branch. In the framework of harmonizing European laws, the EC Directive 94/9/EG, generally known as ATEX 100a, has been in force since July 2003. Premium Stephan gear units and geared motors implemented as parallel shaft gear units, helical and bevel gear units in ATEX design meet all the requirements of EC Directive 94/9/EG for device category 2 and 3. The drives can be delivered for use in gaseous as well as dust atmosphere.

2.5.1 Zonal classification

According to Directive 99/92 EG (ATEX 137), the system operator together with the controlling authority determines which zone must be taken into account. The zone definition is carried out according to different criteria, such as operating condition of the system, the period in which an explosive atmosphere may occur, and whether an air-dust or an air-gas mixture occurs.

Probability of occurrence	Air-gas mixture (G) zone	Air-dust mixture (D) zone
Continuous and long-term	0	20
Occasionally during normal operation	1	21
Rarely, without importance during normal operation	2	22

2.5.2 Device safety classified into categories

Electrical and mechanical equipment are classified into three categories according to the safety requirements. Assigning the devices to the categories is determined by the manufacturer based on a detailed danger analysis. The connection between the zones and the device category is specified in Directive 94/9/EG.

Premium Stephan gear units meet all requirements of category 2 and 3. The design, dimensioning and classification into the corresponding category was performed in close collaboration with TÜV NORD CERT. Devices of category 1 are not supplied by Premium Stephan. Devices of category 2 meet all requirements of category 3 and may also be used here.

2. Product Description

Category	Type of defect	Prerequisite/use
1 (no drives from Premium Stephan)	Safety in normal operation and also for rare faults (two errors occurring simultaneously must be handled)	Devices of this category: ● 1 G in zone 0, 1 and 2 for gas ● 1 D in zone 20, 21 and 22 for dust
2	Safety in normal operation and in case of an expected fault	Devices of this category: ● 2 G in zone 1 and 2 for gas ● 2 D in zone 21 and 22 for dust
3	Safety in normal operation	Devices of this category: 3G in zone 2 for Gas 3D in zone 22 for dust

Premium Stephan gear units to Directive 94/9/EG for use in air-gas and air-dust mixture.

Premium Stephan has several decades of experience in the design, manufacture and use of drives in hazardous areas. With the introduction of Directive 94/9/EG, the standard series EN 13463 was issued as the basis for explosion protection for mechanical devices.

Premium Stephan S4 gear units in the designs SI, SP and SK meet all requirements of category 2. Requirements for dust protection and gas protection were taken into account for the approval. For this reason, no distinctions are made with respect to categories 2 and 3. Our gear units of category 2 also meet all requirements of category 3.

2.5.3 Type of protection for gear units

Protection through structural safety

EN 13463-5 (identifier "c")

For this type of explosion protection, the protection is ensured through design and construction measures at the devices as well as the experience of the manufacturer.

Protection through liquid enclosure

EN 13463-8 (identifier "k")

Potential ignition sources inside the gear unit are rendered ineffective through complete or partial immersion in a protective liquid (gear unit oil) or through constant wetting with a liquid film, the protective liquid can be exclusively intended for preventing a potential ignition source to become effective. In devices such as gear units, it also serves the purpose of lubricating and cooling moving parts.

Premium Stephan gear units for category 2G and 2D

Gear units of category 2G can be used in zone 1 and 2 for gases and gear units of category 2D can be used in zone 21 and 22 for dust. For category 2, Premium Stephan issues a certificate of conformity and certifies the following:

- The compliance of the products with standard EN 13463 with the relevant sections.
- The internal manufacturing control according to Directive 94/9/EG Appendix VIII
- Filing the product documentation with the notified body, TÜV NORD CERT

Premium Stephan gear units for category 3G and 3D

Gear units of category 3 can be used in zone 2 for gases and zone 22 for dust. A separate certification for category 3 is not issued since all devices for category 2 also meet the requirements of category 3.

2. Product Description

Premium Stephan geared motors conforming to Directive 94/9/EG

The experiences collected over decade-long use in hazardous atmosphere also entered into the dimensioning and design according to the new ATEX directives. The following components were taken into account based on this experience:

- Shrink-fit ring covers according to the standard
- All bolts are secured against automatic loosening and protected against rust
- Stainless steel nameplates
- Proven shaft seals at input and output shaft
- High-quality lubricants
- Oil-level control for all sizes

2.5.4 Type of protection for motors

Motors to Directive 94/9/EG for use with gas

The ATEX motors used by Rexnord are manufactured by a well-known German manufacturer. The EN 50014 standard is the basis for the approval. Supplementary standards specify the measures of how an ignition is prevented.

Flameproof enclosure to EN 50018, type of protection "d"

Motors of this type of enclosure can be used for mains operation and inverter operation in zone 1. Motors with flame-proof enclosure can only be combined with the Rexnord gear unit in lantern version.

Increased safety to EN 50019, type of protection "e"

The basis of this type of enclosure is avoiding high temperatures at the surface and in the inside during normal operation and in case of a fault, such as a blocked rotor with applied supply voltage. Motors to EN 50019 can be used in zone 1 with mains operation.

Protection through non-sparking equipment to EN 50021, type of protection "n"

The motor design ensures that no gases are ignited during normal operation. A malfunction is not taken into account. Motors to "n" can be used in zone 2 with mains operation.

Motors to Directive 94/9/EG for use with dust

The EN 50281-1 standard serves as the basis for the approval of motors in an explosive dust-gas atmosphere. The decisive factor consists of meeting certain criteria against the intrusion of foreign particles in accordance with EN 60259 IP types of enclosure. Motors of category 3 require at least type of enclosure IP54 and category 2 type of enclosure IP6x.

Dust-proof motors to EN50281-1-1, type of enclosure IP65

Design measures prevent any dust from entering into the inside of the motor. The surface temperature under normal operating conditions does not cause an ignition of dust deposits. A protection in case of faults is ensured through temperature monitoring. These motors correspond to category 2D and can be used in zone 21 and 22 with mains operation.

Dust-protected motors to EN50281-1-1, type of enclosure IP55

In this case, dust cannot enter the motor in dangerous quantities. Only the surface temperature represents an ignition risk and, for this reason, must be protected with temperature sensors. These motors are certified to category 3D and can be used for mains operation in zone 22. For inverter operation, Rexnord can perform a corresponding acceptance with the selected inverter.

3. Instructions for Drive Selection

3 Instructions for Drive Selection

3.1 Service factors / Applications / Operating conditions

3.1.1 Required Service Factor (SF_{min})

Determine the required application factor according to the following formula:

$$SF_{min} = F \times C$$

whereby the following applies:

F = application factor dependent upon the load characteristic values of the application and the operating time.

The values listed below can be used as guide values for applications that are not listed.

Both criteria - the "Load characteristics related to the application" as well as the "inertia factor M" - must be taken into account. The criterion resulting in the highest F-value is decisive.

Load characteristics of the application	M	F		
		8h/24h	16h/24h	24h/24h
Uniform loads	<0,2	0.8 - 1*	1	1.2
Moderate shock load	<3	1.1	1.25	1.5
Heavy shock load	<10	1.4	1.6	1.7

$$M = \text{inertia factor}$$

$$M = \frac{\text{Moment of inertia of driven machine related to the motor shaft}}{\text{Mass moments of inertia of the motor (+ brake)}}$$

C = correction factor dependent upon the number of start-ups per hour.

		C		
		8h/24h	16h/24h	24h/24h
Start-ups / hour	<10	1	1	1
	<100	1.1	1.1	1.15
	<500	1.1	1.15	1.25

3.1.2 Selecting the frame size

A geared motor must be selected for the required motor output (P_m) and the output speed (n_2) whose Service Factor (SF) is greater than or equal to the required Service Factor (SF_{min}). The selection can also be made based on the available output torque (T_{2m}) of the geared motor.



3. Instructions for Drive Selection

3.1.3 Required application factors for different applications

APPLICATION	Runtime hours/day		
	8h/24h	16h/24h	24h/24h
Construction and building materials machinery			
Mixer	1.25	1.5	1.75
Cement mills	1.5	1.75	2
Mortar guns	0.8 - 1*	1	1.25
Breweries, distilleries			
Mills	0.8 - 1*	1	1.25
Bottling machinery	0.8 - 1*	1	1.25
Elevators			
Bucket elevators	1	1.25	1.5
Load elevators	1	1.25	1.5
Escalators	0.8 - 1*	1	1.25
Filters	1	1.25	1.5
Generators	0.8 - 1*	1	1.25
Wood and plastics processing			
Main drive for saws	1.5	1.75	2
Feed drives for saws	1	1.25	1.5
Crushers	1.5	1.75	2
Machines for gluing, veneering	0.8 - 1*	1	1.25
Drills	0.8 - 1*	1	1.25
Extruders	1.25	1.5	1.75
Machine tools			
Roller straightening, punching device, bending machines	1.25	1.5	1.75
Main and feed drives	1	1.25	1.5
Supply and servo drives	0.8 - 1*	1	1.25
Presses	1.75	2	2
Edging machines	1.5	1.75	2
Plate shears	1.75	2	2
Cranes and hoisting machines			
Hoisting gears, traveling drives	**	**	**
Packaging machines			
Packing machines	1.25	1.5	1.75
Wrapping machines	0.8 - 1*	1	1.25
Compressors			
Centrifugal compressors	1	1.25	1.5
Rotating screw compressors	1	1.25	1.5
Mixers			
Constant density	0.8 - 1*	1	1.25
Variable density	1	1.25	1.5
Iron and steel industry			
Wire-drawing benches	1.25	1.5	1.75
Winding drums	1	1.25	1.5
Roller-table drives	**	**	**

* = 0.8 if operating time < 3h/24h and no external loads occur

** = drives must be dimensioned by the manufacturer

+ = it is recommended consulting the manufacturer for selecting the reverse lock

3. Instructions for Drive Selection

APPLICATION	Runtime hours/day		
	8h/24h	16h/24h	24h/24h
Iron and steel industry			
Non-reversible rolling mills - multi-operation	1.25	1.5	1.75
- single operation	1.5	1.75	2
Mills			
Ball mills, rod mills	1.75	1.75	1.75
Hammer mills, centrifugal mills	1.5	1.75	2
Winding drives	**	**	**
Pumps			
Rotary pumps	1	1.25	1.5
Circulation, gear, vane pumps	0.8 - 1*	1	1.25
Piston pumps: 1 cylinder	**	**	**
2 cylinders or more	1	1.25	1.5
Screw pumps	1 +	1.25 +	1.5
Agitators			
Pure liquid (constant density)	0.8 - 1*	1	1.25
Liquid with variable density	1	1.25	1.5
Liquid mixed with solid bodies	1.25	1.5	1.75
Conveyor systems			
Even load	0.8 - 1*	1	1.25
Heavy operation, chain, screw conveyor	1	1.25	1.5
Shaker conveyor	1.5	1.75	2
Fans			
Radial	0.8 - 1*	1	1.25
Industrial fans	1	1.25	1.5
Fan drives in cooling towers	2.0	2.0	2.0
Food-processing industry			
Crusher	1.75	2	2.25
Root cutting, kneading machines	1.25	1.5	1.75
Meat grinders	1.25	1.5	1.5
Filling machines	0.8 - 1*	1	1.25
Dough kneading machine	1	1.25	1.5
Extruders	1.25	1.5	1.75
Sugar-cane cutter	1.75	1.75	1.75
Toaster	1.25	1.25	1.25
Waste water facilities			
Surface aerator	1.5	1.5	1.5
Revolving systems	1.75	1.75	1.75
Rakes and channels	0.8 - 1*	1	1.25
Screw pumps	1	1.25	1.5
Screens			
Revolving screens (stones, grit)	1	1.25	1.5
Screens with water circulation	0.8 - 1*	1	1.25
Servo drives for systems			
Service operation	0.8 - 1*	-	-
Setting-up mode, operation without load	1.25	1.25	1.25
Normal operation	Same as main drive		

* = 0.8 if operating time < 3h/24h and no external loads occur

** = drives must be dimensioned by the manufacturer

+ = it is recommended consulting the manufacturer for selecting the reverse lock

3. Instructions for Drive Selection

APPLICATION	Runtime hours/day		
	8h/24h	16h/24h	24h/24h
Agricultural machines			
Mechanical gutter cleaners	0.8 - 1*	1	-
Harvesting machines	0.8 - 1*	1	-
Textile machinery			
Looms	1.25	1.5	1.75
Spinning machines	0.8 - 1*	1	1.25
Laundry machines	1	1.25	1.5
Print and paper technology			
Sheeting cutter	1	1.25	1.5
Winding drives	0.8 - 1*	1	1.25
Bale feeder	1	1.25	1.25

* = 0.8 if operating time < 3h/24h and no external loads occur

** = drives must be dimensioned by the manufacturer

+ = it is recommended consulting the manufacturer for selecting the reverse lock

These Service factors (SF) are empirical values that are based on AGMA and ISO information and experience. They apply to driven machines corresponding to today's state of the art for normal operating conditions and for actuating with electric motors. A consultation is required for special applications, passenger elevators or special operating conditions, e.g. high mass acceleration factors.

3.2 External loads, axial / radial, conversion, connections

The permissible radial loads listed in the selection tables are guide values and used only for rough orientation purposes. The data refer to action of load in the middle of the respective solid shaft. If no radial load is present, half the value of the radial load specified in the selection tables is permitted as axial load. The resulting maximum value of a radial load for each gear unit size generally occurs at low speeds and is determined by the material and geometry of the shaft. For all lower values of the frame size, the predetermined bearing life LH10 of the output shaft bearing is limiting. Since variables such as torque, speed, direction of rotation and load angle of action enter into the calculation and Premium Stephan always assumes the worst-case scenario, significantly higher external loads are permissible in most cases while giving the effective loads. Please contact us and we will gladly recalculate your specific case.

3.3 Thermal break even performance

Torque and output stated in the selection charts are mechanical limit values. Depending on mounting position and mounting situation it is possible that the gearbox will overload thermal before reaching the mechanical breakeven performance. Outputs marked (1) are exceeding the thermal break even performance already under normal application conditions.

If the real operation conditions are known, the heat breakeven performance can be recalculated by Rexnord Stephan. The heat breakeven performance can be increased by using appropriate measures (such as using synthetic lubricants with increased thermal consistency). The following data is necessary for recalculation:

Type or gearbox

Mounting position

Input speed (range)1/min

Ratio

Used outputkW

Duty / power-on time

Ambient Temperature°C

Installation site

in a small, closed room

large rooms

outside

Mounting situation (sketch/drawing)

3. Instructions for Drive Selection

Increased splash losses may occur for mounting positions with high oil level.(SI all V-mountings, SP mounting pos. 2, 5 and 6, SK mounting pos. 2 and 4) or input speed above 1800 1/min and may lead to excessive heating. Please contact Rexnord Stephan in these individual cases.

3.4 Notes about the dimensional drawings

The dimensional drawings featured in this catalog are nonbinding. In particular, slightly deviating dimensions may occur for motor dimensions dependent upon the technical requirements. Binding dimensional drawings can be created upon request.

Note:

The user is responsible for providing protective covers and professional setup of the complete equipment.

The flanges on the output side are manufactured according to DIN 42955-N, whereby the tolerances of the centering gears correspond to DIN 42948.

Keyways of the output shafts are manufactured according to DIN 6885-T1-"Form A".

Detailed dimensions of the shafts and recommendations for the designs of the machine shafts can be found in the technical appendix of this catalog.

3.5 Delivery times

Manufacturing and stocking of S4 components are constantly adapted to customer demands. Modern control methods are used in the process. Delivery time for standard design is max. 3 weeks. If necessary we can also achieve 24h delivery service. We can also achieve short delivery times for all remaining geared motors. Please contact us and we will gladly assist you.

3.6 Shaft arrangements

In most cases, different shaft arrangements can be implemented for the parallel shaft helical geared motors SP4 and the helical bevel geared motors SK4.

Definitions:

Gear unit with solid shaft SP.N.../SK.N...

Design L: Shaft output left (top view)

Design R: Shaft output right (top view)

Design T: Shaft output right and left (top view)

Gear unit with hollow shaft SP.H.../SK.H...

Design L: Machine shaft is inserted in the hollow shaft from the left (top view)

Design R: Machine shaft is inserted in the hollow shaft from the right (top view)

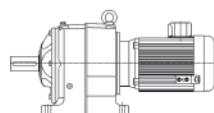
Design T: Machine shaft is inserted through the hollow shaft. Shaft output right and left (top view)

Gear unit with hollow shaft with shrinkdisc SP.S.../SK.S... + SP.C.../SK.C...

Design L: Machine shaft is inserted in the hollow shaft from the left (top view)

Design R: Machine shaft is inserted in the hollow shaft from the right (top view)

Design T: Machine shaft is inserted through the hollow shaft. Shaft output right and left (top view)



4. SI4

Gear unit with hollow shaft with taper bush SP.B.../SK.B...

Design L: Machine shaft is inserted in the hollow shaft from the left (top view)

Design R: Machine shaft is inserted in the hollow shaft from the right (top view)

Design T: Machine shaft is inserted through the hollow shaft. Shaft output right and left (top view)

Gear unit with hollow spline shaft SP.T.../SK.T...

Design L: Machine shaft is inserted in the hollow shaft from the left (top view)

Design R: Machine shaft is inserted in the hollow shaft from the right (top view)

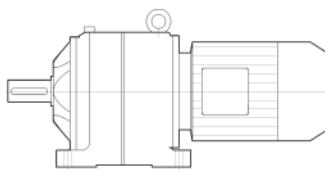
Design T: Machine shaft is inserted through the hollow shaft. Shaft output right and left (top view)

3.7 Types of construction outside of the axis intersection

In addition to the mounting positions in the axis intersection, any other mounting positions are also feasible. The use of geared motors in sloping positions are frequently permissible. However, the optimum lubricant supply must always be ensured. Fill quantities and required oil attachments are specified by Premium Stephan. Please contact us. We will find a solution for your mounting position.

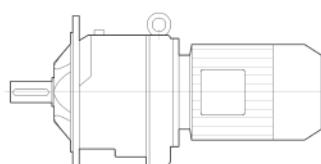
4 SI4 Inline

4.1 Version variants for SI4 helical geared motors



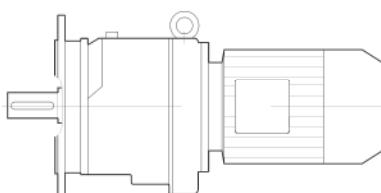
SIFN

Foot mounting



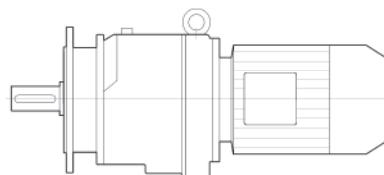
SICF

Flange: large diameter with bearing neck



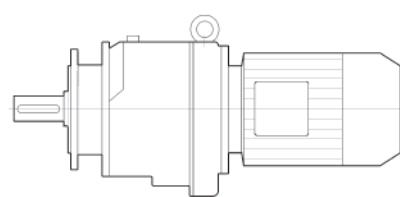
SICD

Flange: large diameter



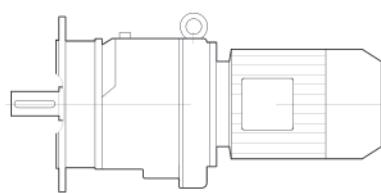
SICE

Flange: medium diameter



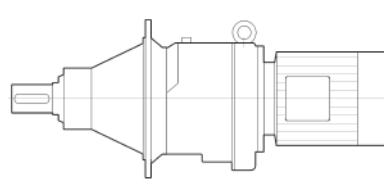
SICR

Flange: small diameter



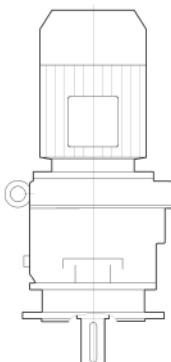
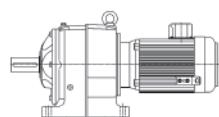
SICM

Flange: reinforced version

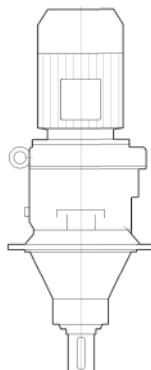


SICL

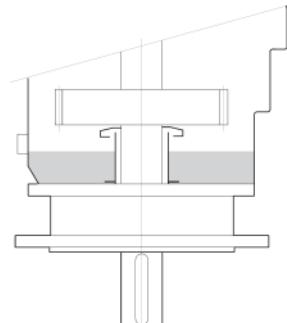
Flange: agitator versio

**SICA**

Flange: reinforced version
Version with dry well
and integrated pump

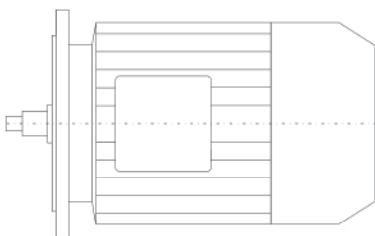
**SICP**

Flange: agitator version
Version with tubing and
integrated pump

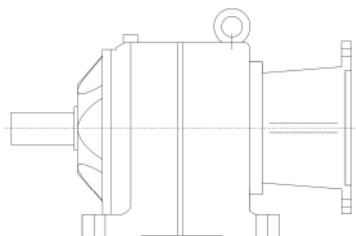
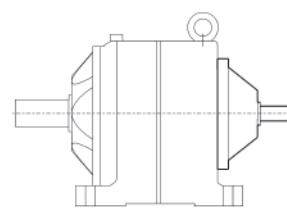
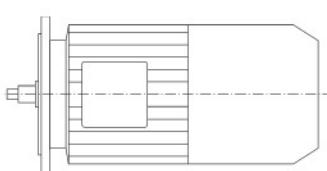


The dry well system

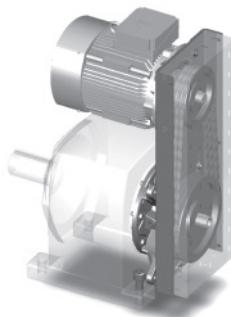
Versions on the drive end



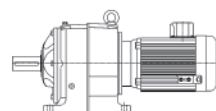
Integral motor

- U
Lantern for IEC standard motors- I
Gear unit with free input shaft

Integrated brake motor

- M
Motor base version for V-belt drive,
motor mounting position IM B5 (schematic drawing)**Overview**

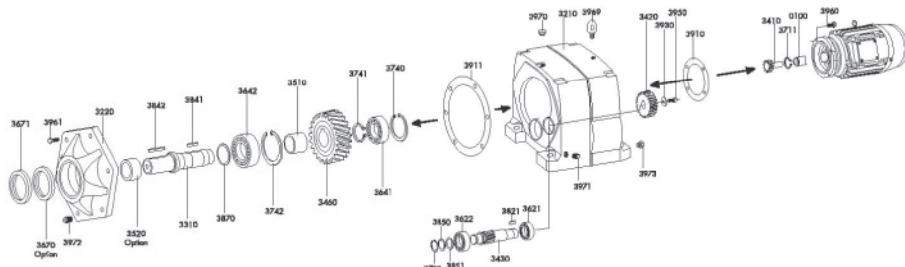
	9 sizes								
	1	2	3	4	5	6	7	8	9
T2m (Nm)	200	420	820	1600	2800	5000	9000	15000	25000
Pm (kW)	0.12 to 90 kW								
i	2.8 ... 63			12.5 ... 224			125 ... 30000		
	B			C			combined		



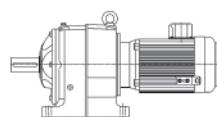
4. SI4

4.2 Principle design of helical geared motors

The following illustration shows the principle design of a helical geared motor. It is intended as a reference aid to the individual parts lists. Variations depending on the gear unit size and version are possible.



Item no.	Description
0100	Motor
3210	Casing
3220	Cover
3310	Output shaft
3410	Pinion
3420	Gear wheel
3430	Pinion shaft
3460	Gear wheel
3510	Spacer ring (bushing)
3520	Bearing race (option)
3621	Bearing
3622	Bearing
3641	Bearing
3670	Seal (option)
3671	Seal
3850	Support ring
3851	Shim ring
3870	Support ring
3930	Washer
3950	Bolt or nut
6342	Bearing
371. / 372. / 374.	Retaining ring
382. / 384.	Feather key
3910 / 3911	Gasket
396.	Bolt or nut
397.	Oil screw plug



4.3 Ordering information

Gear units with two and three stages

S	I	3	4	5	6	7	8	9	10	-	11	-	12
----------	----------	---	---	---	---	---	---	---	----	---	----	---	----

Gear units with more than 3 stages

S	I	3	4	5	6	7	25	26	27	8	9	10	11	12
----------	----------	---	---	---	---	---	----	----	----	---	---	----	----	----

3	Casing F Foot mounting C Flange version
----------	--

7	Number of stages B 2-stage C 3-stage
----------	---

4	Output shaft N Basic version F Mounting flange, large with bearing neck D Mounting flange, large E Mounting flange, medium R Mounting flange, small M Flange for high-performance shaft/bearing A Flange for high-performance shaft/bearing, tubing, mounting position V1, V5, V15 L Elongated bearing casing P Elongated bearing casing, tubing mounting position V1, V5, V15
----------	---

8	Total gear ratio
----------	-------------------------

5	Size 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9
----------	--

9	Drive unit No designation: Integrated motor U IEC flange motor I I-latern M Motor chair
----------	---

6	Design index: 6 Metric version 7 Inch version
----------	--

10	Accessories for gear units R Reversal lock on drive shaft Specify free direction of rotation (from gearbox size 2 and motor IEC 100)
-----------	---

11	Motor
-----------	--------------

12	Mounting positions
-----------	---------------------------

Only for gear units with more than 3 stages

25	Size preliminary stage gear unit
-----------	---

26	Design index prel.-stage gear unit
-----------	---

27	Number of stages prel.-stage gear unit
-----------	---

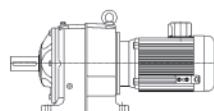
Example:

S	I	3	F	4	N	5	6	7	B	8	9	10	11	112	12	B3
----------	----------	---	----------	---	----------	---	---	---	----------	---	---	----	----	------------	----	-----------

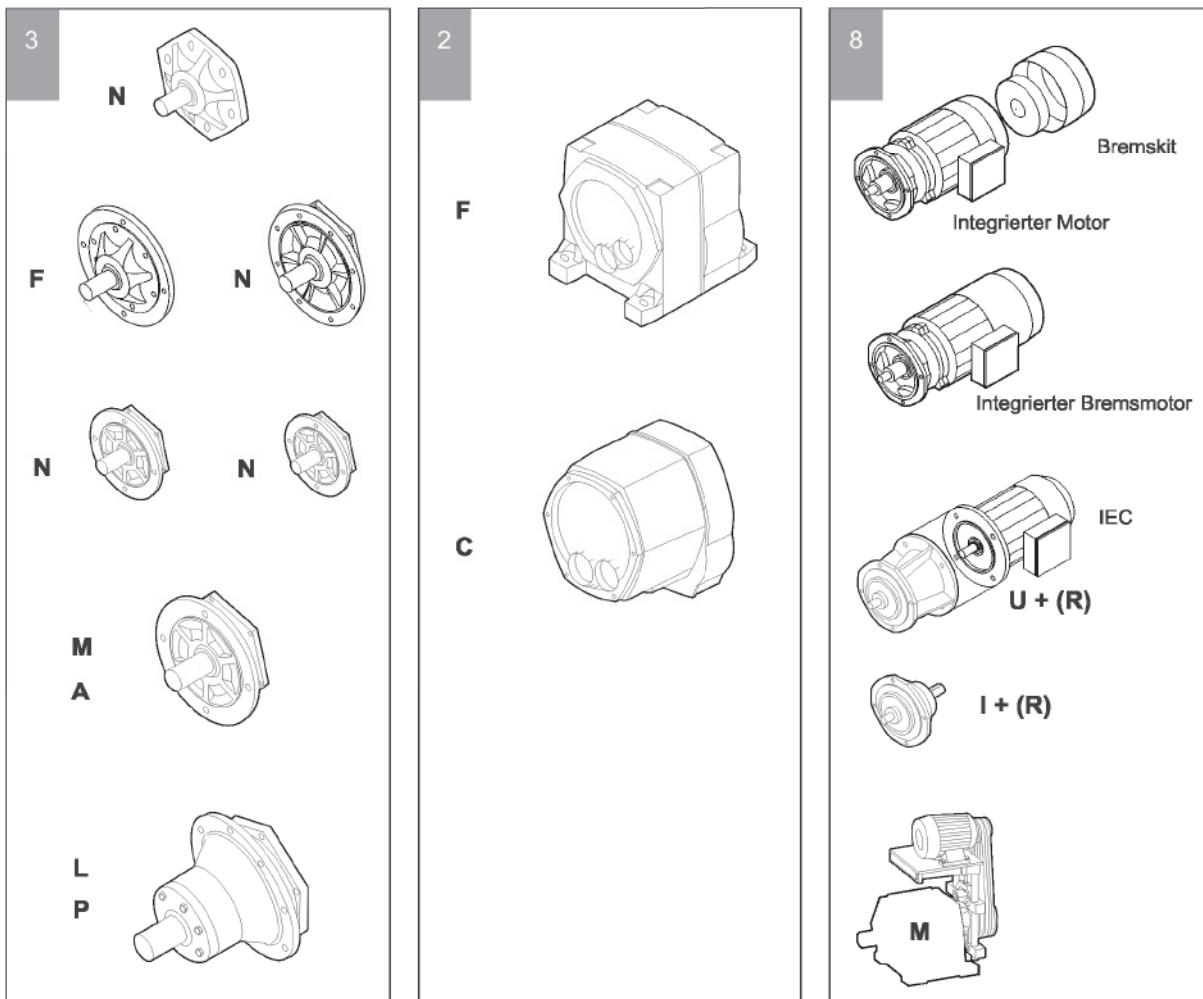
SI foot casing, basic version, size 3, design index 6, 2-stage, gear ratio i = 1/25, Premium Stephan integral motor size 112, horizontal mounting position

S	I	3	C	4	R	5	6	7	C	25	26	27	B	8	9	10	U	11	90	-	12	V1
----------	----------	---	----------	---	----------	---	---	---	----------	----	----	----	----------	---	---	----	----------	----	-----------	---	----	-----------

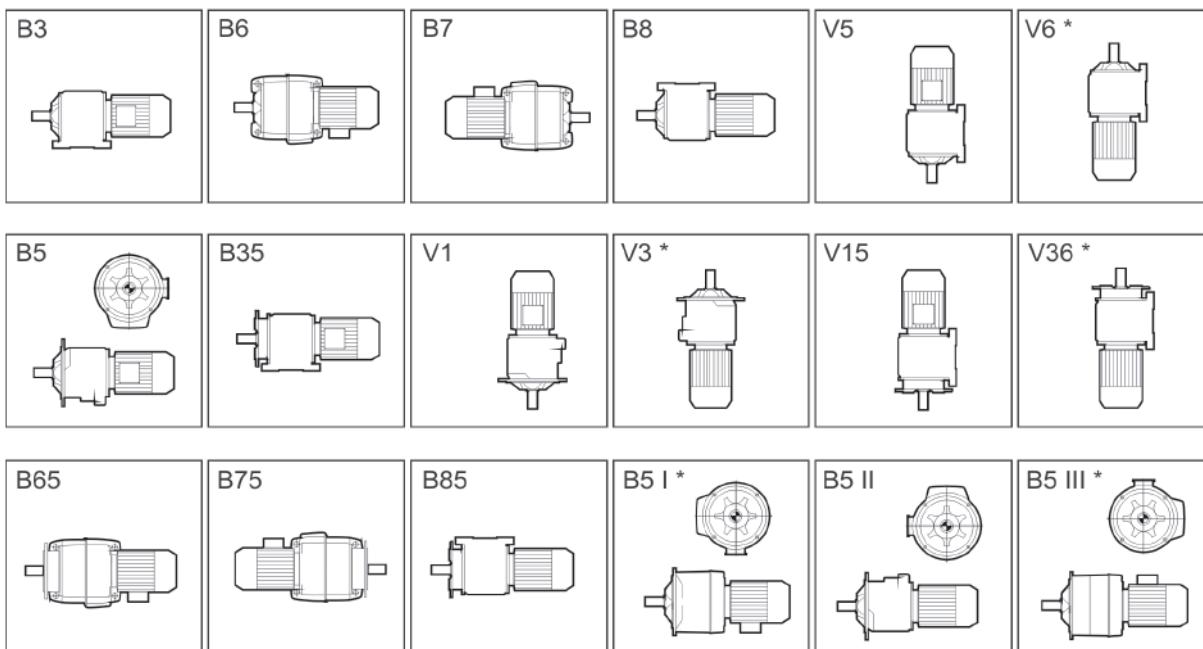
SI flange casing, small mounting flange, size 5, design index 6, 3-stage, size primary-stage gear unit 1, design index primary-stage gear unit 6, 2-stage primary-stage gear unit, total gear ratio i = 1/350, U-lantern with integrated reverse lock, motor size 90, Vertical mounting position, output shaft down



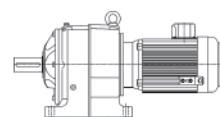
4. SI4

EARED MOTOR
CODING

Mounting positions



* refer to Premium Stephan



4.4 Auswahltabellen Getriebemotoren SI4

Selection tables for SI4 geared motors

Tableaux de sélection pour les motoréducteurs SI4

Beispiel: Auswahltablelle Getriebemotoren

Example: Geared Motor selection table

Exemple de tableau de sélection pour motoréducteurs

Motorleistung Motor output Puissance moteur	Exakte Übersetzung Exact gear ratio Valeur exacte du rapport de démultiplication	Zulässige Radialkraft für verstärkte Lagerung Permissible radial force for reinforced bearing Force radiale admissible pour paliers support renforcés	Maßbilder Dimensional drawings Schémas d'encombrement
P 0.12 kW			
n ₁ 1360 min ⁻¹			

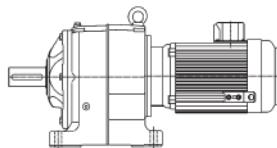
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
485.6	42.00	2	SIFN16B2.8 - 71A-4G	2.80		3 900	15	M01	
423.6	39.00	3	SIFN16B3.15 - 71A-4G	3.21		4 100	15	M01	
395.3	38.00	3	SIFN16B3.55 - 71A-4G	3.44		4 200	15	M01	
343.5	34.00	3	SIFN16B4 - 71A-4G	3.96		4 400	15	M01	
297.1	31.00	4	SIFN16B4.5 - 71A-4G	4.58		4 600	15	M01	
275.7	30.00	4	SIFN16B5 - 71A-4G	4.93		4 800	15	M01	
237.8	27.00	5	SIFN16B5.6 - 71A-4G	5.72		5 000	15	M01	

Grundausführung SIFN • Basic version SIFN • Version de base SIFN

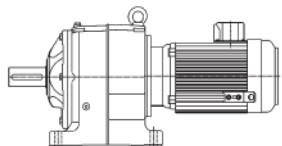
Drehmoment der Abtriebswelle • Torque of output shaft • Couple de l'arbre de sortie

Verfügbarer Servicefaktor • Available Service Factor SF • Facteur de service disponible

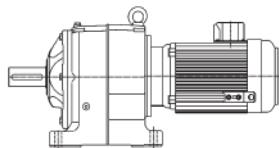
Genaue Drehzahl der Abtriebswelle • Exact speed of output shaft & rated load • Vitesse exacte de l'arbre de sortie



P 0,25 kW	n ₁ 1400 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
		499,92	20,94	5	SI..16B2,8 - W-DA71SJ-4G	2,80	0	3900	22,0	M01-M05
		436,08	19,18	5	SI..16B3,15 - W-DA71SJ-4G	3,21	0	4100	22,0	M01-M05
		406,98	18,75	6	SI..16B3,55 - W-DA71SJ-4G	3,44	0	4200	22,0	M01-M05
		353,62	17,03	7	SI..16B4 - W-DA71SJ-4G	3,96	0	4400	22,0	M01-M05
		305,88	15,37	8	SI..16B4,5 - W-DA71SJ-4G	4,58	0	4600	22,0	M01-M05
		283,84	14,86	8	SI..16B5 - W-DA71SJ-4G	4,93	0	4700	22,0	M01-M05
		244,75	13,33	10	SI..16B5,6 - W-DA71SJ-4G	5,72	0	4900	22,0	M01-M05
		213,49	12,25	11	SI..16B6,3 - W-DA71SJ-4G	6,56	0	5200	22,0	M01-M05
		199,24	12,10	12	SI..16B7,1 - W-DA71SJ-4G	7,03	0	5300	22,0	M01-M05
		173,12	11,09	14	SI..16B8 - W-DA71SJ-4G	8,09	0	5500	22,0	M01-M05
		149,75	10,10	16	SI..16B9 - W-DA71SJ-4G	9,35	0	5800	22,0	M01-M05
		138,96	9,90	17	SI..16B10 - W-DA71SJ-4G	10,08	0	5900	22,0	M01-M05
		128,71	9,70	19	SI..16B11,2 - W-DA71SJ-4G	10,88	0	6000	22,0	M01-M05
		109,68	8,27	22	SI..16B12,5 - W-DA71SJ-4G	12,76	0	6000	22,0	M01-M05
		100,83	7,60	24	SI..16B14 - W-DA71SJ-4G	13,89	0	6000	22,0	M01-M05
		84,30	6,36	28	SI..16B16 - W-DA71SJ-4G	16,61	0	6000	22,0	M01-M05
		76,58	5,77	31	SI..16B18 - W-DA71SJ-4G	18,28	0	6000	22,0	M01-M05
		81,25	5,79	29	SI..16C18 - W-DA71SJ-4G	17,23	0	6000	22,0	M01-M05
		70,88	5,05	34	SI..16C20 - W-DA71SJ-4G	19,75	0	6000	22,0	M01-M05
		69,18	5,22	35	SI..16B20 - W-DA71SJ-4G	20,24	0	6000	22,0	M01-M05
		62,10	4,68	38	SI..16B22,4 - W-DA71SJ-4G	22,55	0	6000	22,0	M01-M05
		66,15	4,99	36	SI..16C22,4 - W-DA71SJ-4G	21,17	0	6000	22,0	M01-M05
		55,30	4,17	43	SI..16B25 - W-DA71SJ-4G	25,32	0	6000	22,0	M01-M05
		57,47	4,57	42	SI..16C25 - W-DA71SJ-4G	24,36	0	6000	22,0	M01-M05
		49,68	3,75	48	SI..16B28 - W-DA71SJ-4G	28,18	0	6000	22,0	M01-M05
		49,71	3,96	48	SI..16C28 - W-DA71SJ-4G	28,16	0	6000	22,0	M01-M05
		44,42	3,35	54	SI..16B31,5 - W-DA71SJ-4G	31,52	0	6000	22,0	M01-M05
		46,13	3,86	52	SI..16C31,5 - W-DA71SJ-4G	30,35	0	6000	22,0	M01-M05
		38,21	2,88	62	SI..16B35,5 - W-DA71SJ-4G	36,64	0	6000	22,0	M01-M05
		42,73	3,58	56	SI..16C35,5 - W-DA71SJ-4G	32,76	0	6000	22,0	M01-M05
		34,30	2,59	70	SI..16B40 - W-DA71SJ-4G	40,82	0	6000	22,0	M01-M05
		36,41	3,05	66	SI..16C40 - W-DA71SJ-4G	38,45	0	6000	22,0	M01-M05
		33,23	2,51	72	SI..16B45 - W-DA71SJ-4G	42,13	0	6000	22,0	M01-M05
		33,47	2,80	71	SI..16C45 - W-DA71SJ-4G	41,82	0	6000	22,0	M01-M05
		27,60	2,08	87	SI..16B50 - W-DA71SJ-4G	50,73	0	6000	22,0	M01-M05
		27,99	2,34	85	SI..16C50 - W-DA71SJ-4G	50,02	0	6000	22,0	M01-M05
		24,86	1,87	96	SI..16B56 - W-DA71SJ-4G	56,32	0	6000	22,0	M01-M05
		25,42	2,13	94	SI..16C56 - W-DA71SJ-4G	55,07	0	6000	22,0	M01-M05
		22,17	1,67	108	SI..16B63 - W-DA71SJ-4G	63,15	0	6000	22,0	M01-M05
		22,97	1,92	104	SI..16C63 - W-DA71SJ-4G	60,95	0	6000	22,0	M01-M05
		20,62	1,73	116	SI..16C71 - W-DA71SJ-4G	67,91	0	6000	22,0	M01-M05
		18,36	1,54	130	SI..16C80 - W-DA71SJ-4G	76,26	0	6000	22,0	M01-M05
		16,49	1,38	145	SI..16C90 - W-DA71SJ-4G	84,89	0	6000	22,0	M01-M05
		15,94	2,80	150	SI..26C90 - W-DA71SJ-4G	87,84	0	6500	30,0	M06-M11
		14,75	1,24	162	SI..16C100 - W-DA71SJ-4G	94,93	0	6000	22,0	M01-M05
		14,26	2,51	167	SI..26C100 - W-DA71SJ-4G	98,16	0	6500	30,0	M06-M11
		12,69	1,06	188	SI..16C112 - W-DA71SJ-4G	110,35	0	6000	22,0	M01-M05
		12,87	2,26	185	SI..26C112 - W-DA71SJ-4G	108,76	0	6500	30,0	M06-M11
		11,39	0,95	210	SI..16C125 - W-DA71SJ-4G	122,95	0	6000	22,0	M01-M05
		11,55	2,03	207	SI..26C125 - W-DA71SJ-4G	121,16	0	6500	30,0	M06-M11
		11,03	0,92	216	SI..16C140 - W-DA71SJ-4G	126,90	0	6000	22,0	M01-M05



P 0,25 kW n ₁ 1400 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
10,04	1,77	238	SI..26C140 - W-DA71SJ-4G	139,43	0	6500	30,0	M06-M11
8,95	1,57	267	SI..26C160 - W-DA71SJ-4G	156,44	0	6500	30,0	M06-M11
8,31	2,85	287	SI..36C16B160 - W-DA71SJ-4G	168,48	0	11000	54,90	M12-M19
8,38	2,88	285	SI..36C160 - W-DA71SJ-4G	166,99	0	11000	50,0	M12-M19
8,14	1,43	293	SI..26C16B180 - W-DA71SJ-4G	171,96	0	6500	34,9	M06-M11
7,76	2,66	308	SI..36C16B180 - W-DA71SJ-4G	180,52	0	11000	54,90	M12-M19
7,10	1,25	336	SI..26C16B200 - W-DA71SJ-4G	197,13	0	6500	34,9	M06-M11
6,74	2,31	354	SI..36C16B200 - W-DA71SJ-4G	207,76	0	11000	54,90	M12-M19
6,76	2,32	353	SI..36C200 - W-DA71SJ-4G	207,24	0	11000	50,0	M12-M19
6,63	1,17	360	SI..26C16B224 - W-DA71SJ-4G	211,23	0	6500	34,9	M06-M11
6,28	2,16	380	SI..36C16B224 - W-DA71SJ-4G	223,09	0	11000	54,90	M12-M19
5,76	1,01	415	SI..26C16B250 - W-DA71SJ-4G	243,10	0	6500	34,9	M06-M11
5,47	1,88	436	SI..36C16B250 - W-DA71SJ-4G	255,75	0	11000	54,90	M12-M19
4,98	0,88	479	SI..26C16B280 - W-DA71SJ-4G	281,05	0	6500	34,9	M06-M11
5,11	1,75	467	SI..36C16B280 - W-DA71SJ-4G	274,04	0	11000	54,90	M12-M19
4,44	1,52	538	SI..36C16B315 - W-DA71SJ-4G	315,39	0	11000	54,90	M12-M19
4,36	2,92	547	SI..46C16B315 - W-DA71SJ-4G	321,02	0	21000	73,90	M20-M27
3,84	1,32	622	SI..36C16B355 - W-DA71SJ-4G	364,61	0	11000	54,90	M12-M19
4,05	2,71	590	SI..46C16B355 - W-DA71SJ-4G	345,94	0	21000	73,90	M20-M27
3,56	1,22	670	SI..36C16B400 - W-DA71SJ-4G	392,92	0	11000	54,90	M12-M19
3,75	2,51	637	SI..46C16B400 - W-DA71SJ-4G	373,48	0	21000	73,90	M20-M27
3,30	1,13	723	SI..36C16B450 - W-DA71SJ-4G	424,21	0	11000	54,90	M12-M19
3,19	2,14	747	SI..46C16B450 - W-DA71SJ-4G	438,29	0	21000	73,90	M20-M27
2,81	0,97	849	SI..36C16B500 - W-DA71SJ-4G	497,82	0	11000	54,90	M12-M19
2,94	1,97	813	SI..46C16B500 - W-DA71SJ-4G	476,78	0	21000	73,90	M20-M27
2,59	0,89	923	SI..36C16B560 - W-DA71SJ-4G	541,52	0	11000	54,90	M12-M19
2,46	1,65	972	SI..46C16B560 - W-DA71SJ-4G	570,23	0	21000	73,90	M20-M27
2,50	2,93	956	SI..56C16B560 - W-DA71SJ-4G	560,89	0	25500	114,90	M28-M35
2,23	1,49	1.070	SI..46C16B630 - W-DA71SJ-4G	627,74	0	21000	73,90	M20-M27
2,26	2,64	1.059	SI..56C16B630 - W-DA71SJ-4G	620,84	0	25500	114,90	M28-M35
2,01	1,35	1.185	SI..46C16B710 - W-DA71SJ-4G	694,84	0	21000	73,90	M20-M27
2,02	2,37	1.179	SI..56C16B710 - W-DA71SJ-4G	691,69	0	25500	114,90	M28-M35
1,81	1,21	1.320	SI..46C16B800 - W-DA71SJ-4G	774,13	0	21000	73,90	M20-M27
1,80	2,11	1.324	SI..56C16B800 - W-DA71SJ-4G	776,71	0	25500	114,90	M28-M35
1,61	1,08	1.482	SI..46C16B900 - W-DA71SJ-4G	869,28	0	21000	73,90	M20-M27
1,62	1,90	1.474	SI..56C16B900 - W-DA71SJ-4G	864,61	0	25500	114,90	M28-M35
1,45	0,97	1.650	SI..46C16B1000 - W-DA71SJ-4G	967,66	0	21000	73,90	M20-M27
1,45	1,70	1.649	SI..56C16B1000 - W-DA71SJ-4G	966,92	0	25500	114,90	M28-M35
1,43	2,99	1.670	SI..66C36B1000 - W-DA71SJ-4G	979,54	0	38000	199,90	M36-M45
1,29	0,87	1.845	SI..46C16B1120 - W-DA71SJ-4G	1.082,17	0	21000	73,90	M20-M27
1,25	1,46	1.917	SI..56C16B1120 - W-DA71SJ-4G	1.123,99	0	25500	114,90	M28-M35
1,31	2,75	1.821	SI..66C36B1120 - W-DA71SJ-4G	1.068,15	0	38000	199,90	M36-M45
1,12	1,31	2.135	SI..56C16B1250 - W-DA71SJ-4G	1.252,24	0	25500	114,90	M28-M35
1,13	2,37	2.108	SI..66C36B1250 - W-DA71SJ-4G	1.236,39	0	38000	199,90	M36-M45
1,04	1,21	2.306	SI..56C16C1400 - W-DA71SJ-4G	1.352,25	0	25500	114,90	M28-M35
1,03	2,15	2.328	SI..66C36B1400 - W-DA71SJ-4G	1.365,20	0	38000	199,90	M36-M45
0,83	0,97	2.881	SI..56C16C1600 - W-DA71SJ-4G	1.689,48	0	25500	114,90	M28-M35
0,86	1,80	2.785	SI..66C36B1600 - W-DA71SJ-4G	1.633,34	0	38000	199,90	M36-M45
0,75	0,88	3.189	SI..56C16C1800 - W-DA71SJ-4G	1.870,05	0	25500	114,90	M28-M35
0,77	1,61	3.101	SI..66C36B1800 - W-DA71SJ-4G	1.818,59	0	38000	199,90	M36-M45
0,79	2,96	3.036	SI..76C36B1800 - W-DA71SJ-4G	1.780,55	0	52500	294,90	M46-M54



P 0,25 kW

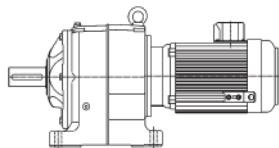
n₁ 1400 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
0,72	2,71	3.324	SI..76C36B2000 - W-DA71SJ-4G	1.949,38	0	52500	294,90	M46-M54
0,63	1,31	3.811	SI..66C36B2240 - W-DA71SJ-4G	2.234,89	0	38000	199,90	M36-M45
0,62	2,35	3.828	SI..76C36B2240 - W-DA71SJ-4G	2.244,83	0	52500	294,90	M46-M54
0,55	1,16	4.315	SI..66C36B2500 - W-DA71SJ-4G	2.530,65	0	38000	199,90	M36-M45
0,57	2,13	4.224	SI..76C36B2500 - W-DA71SJ-4G	2.476,98	0	52500	294,90	M46-M54
0,51	1,06	4.706	SI..66C36B2800 - W-DA71SJ-4G	2.759,62	0	38000	199,90	M36-M45
0,50	1,90	4.746	SI..76C36B2800 - W-DA71SJ-4G	2.783,49	0	52500	294,90	M46-M54
0,46	0,96	5.234	SI..66C36C3150 - W-DA71SJ-4G	3.069,27	0	38000	199,90	M36-M45
0,45	1,70	5.285	SI..76C36B3150 - W-DA71SJ-4G	3.099,21	0	52500	294,90	M46-M54
0,46	2,90	5.166	SI..86C36C3150 - W-DA71SJ-4G	3.029,31	0	82000	464,90	M55-M63
0,40	1,52	5.921	SI..76C36B3550 - W-DA71SJ-4G	3.472,33	0	52500	294,90	M46-M54
0,40	2,51	5.979	SI..86C36C3550 - W-DA71SJ-4G	3.506,46	0	82000	464,90	M55-M63
0,36	1,37	6.586	SI..76C36C4000 - W-DA71SJ-4G	3.861,96	0	52500	294,90	M46-M54
0,36	2,27	6.602	SI..86C36C4000 - W-DA71SJ-4G	3.871,78	0	82000	464,90	M55-M63
0,32	1,21	7.458	SI..76C36C4500 - W-DA71SJ-4G	4.373,86	0	52500	294,90	M46-M54
0,30	1,90	7.899	SI..86C36C4500 - W-DA71SJ-4G	4.632,23	0	82000	464,90	M55-M63
0,29	1,11	8.133	SI..76C36C5000 - W-DA71SJ-4G	4.769,52	0	52500	294,90	M46-M54
0,27	1,71	8.795	SI..86C36C5000 - W-DA71SJ-4G	5.157,60	0	82000	464,90	M55-M63
0,25	0,96	9.414	SI..76C36C5600 - W-DA71SJ-4G	5.520,77	0	52500	294,90	M46-M54
0,25	1,54	9.729	SI..86C36C5600 - W-DA71SJ-4G	5.705,56	0	82000	464,90	M55-M63
0,25	2,64	9.453	SI..96C36C5600 - W-DA71SJ-4G	5.543,39	0	105000	674,90	M64-M72
0,23	0,87	10.395	SI..76C36C6300 - W-DA71SJ-4G	6.095,96	0	52500	294,90	M46-M54
0,22	1,39	10.808	SI..86C36C6300 - W-DA71SJ-4G	6.338,25	0	82000	464,90	M55-M63
0,23	2,40	10.438	SI..96C36C6300 - W-DA71SJ-4G	6.120,94	0	105000	674,90	M64-M72
0,19	2,00	12.488	SI..96C36C7100 - W-DA71SJ-4G	7.323,15	0	105000	674,90	M64-M72
0,17	1,80	13.904	SI..96C36C8000 - W-DA71SJ-4G	8.153,70	0	105000	674,90	M64-M72
0,16	1,63	15.381	SI..96C36C9000 - W-DA71SJ-4G	9.019,98	0	105000	674,90	M64-M72
0,14	1,46	17.087	SI..96C36C10000 - W-DA71SJ-4G	10.020,21	0	105000	674,90	M64-M72

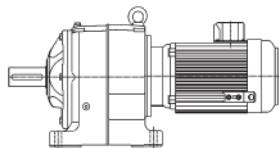
P 0,37 kW

n₁ 1410 min⁻¹

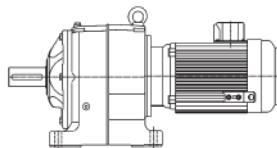
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
503,50	14,25	7	SI..16B2,8 - W-DA71SK-4G	2,80	0	3900	22,0	M01-M05
439,20	13,05	8	SI..16B3,15 - W-DA71SK-4G	3,21	0	4100	22,0	M01-M05
409,88	12,76	9	SI..16B3,55 - W-DA71SK-4G	3,44	0	4100	22,0	M01-M05
356,14	11,59	10	SI..16B4 - W-DA71SK-4G	3,96	0	4300	22,0	M01-M05
308,06	10,46	11	SI..16B4,5 - W-DA71SK-4G	4,58	0	4500	22,0	M01-M05
285,87	10,11	12	SI..16B5 - W-DA71SK-4G	4,93	0	4600	22,0	M01-M05
246,49	9,07	14	SI..16B5,6 - W-DA71SK-4G	5,72	0	4900	22,0	M01-M05
215,01	8,34	16	SI..16B6,3 - W-DA71SK-4G	6,56	0	5100	22,0	M01-M05
200,66	8,24	18	SI..16B7,1 - W-DA71SK-4G	7,03	0	5200	22,0	M01-M05
174,35	7,55	20	SI..16B8 - W-DA71SK-4G	8,09	0	5500	22,0	M01-M05
150,81	6,87	23	SI..16B9 - W-DA71SK-4G	9,35	0	5700	22,0	M01-M05
139,95	6,73	25	SI..16B10 - W-DA71SK-4G	10,08	0	5900	22,0	M01-M05
129,63	6,60	27	SI..16B11,2 - W-DA71SK-4G	10,88	0	6000	22,0	M01-M05
110,46	5,63	32	SI..16B12,5 - W-DA71SK-4G	12,76	0	6000	22,0	M01-M05
101,55	5,17	35	SI..16B14 - W-DA71SK-4G	13,89	0	6000	22,0	M01-M05
84,90	4,33	42	SI..16B16 - W-DA71SK-4G	16,61	0	6000	22,0	M01-M05



P 0,37 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
77,12	3,93	46	SI..16B18 - W-DA71SK-4G	18,28	0	6000	22,0	M01-M05
81,83	3,94	43	SI..16C18 - W-DA71SK-4G	17,23	0	6000	22,0	M01-M05
71,38	3,43	49	SI..16C20 - W-DA71SK-4G	19,75	0	6000	22,0	M01-M05
69,68	3,55	51	SI..16B20 - W-DA71SK-4G	20,24	0	6000	22,0	M01-M05
62,54	3,19	56	SI..16B22,4 - W-DA71SK-4G	22,55	0	6000	22,0	M01-M05
66,62	3,39	53	SI..16C22,4 - W-DA71SK-4G	21,17	0	6000	22,0	M01-M05
55,69	2,84	63	SI..16B25 - W-DA71SK-4G	25,32	0	6000	22,0	M01-M05
57,88	3,11	61	SI..16C25 - W-DA71SK-4G	24,36	0	6000	22,0	M01-M05
50,03	2,55	71	SI..16B28 - W-DA71SK-4G	28,18	0	6000	22,0	M01-M05
50,07	2,69	71	SI..16C28 - W-DA71SK-4G	28,16	0	6000	22,0	M01-M05
44,74	2,28	79	SI..16B31,5 - W-DA71SK-4G	31,52	0	6000	22,0	M01-M05
46,46	2,63	76	SI..16C31,5 - W-DA71SK-4G	30,35	0	6000	22,0	M01-M05
38,49	1,96	92	SI..16B35,5 - W-DA71SK-4G	36,64	0	6000	22,0	M01-M05
43,04	2,44	82	SI..16C35,5 - W-DA71SK-4G	32,76	0	6000	22,0	M01-M05
34,54	1,76	102	SI..16B40 - W-DA71SK-4G	40,82	0	6000	22,0	M01-M05
36,67	2,08	96	SI..16C40 - W-DA71SK-4G	38,45	0	6000	22,0	M01-M05
33,47	1,71	106	SI..16B45 - W-DA71SK-4G	42,13	0	6000	22,0	M01-M05
33,71	1,91	105	SI..16C45 - W-DA71SK-4G	41,82	0	6000	22,0	M01-M05
27,80	1,42	127	SI..16B50 - W-DA71SK-4G	50,73	0	6000	22,0	M01-M05
28,19	1,60	125	SI..16C50 - W-DA71SK-4G	50,02	0	6000	22,0	M01-M05
28,16	2,87	125	SI..26B50 - W-DA71SK-4G	50,07	0	6500	30,0	M06-M11
25,04	1,28	141	SI..16B56 - W-DA71SK-4G	56,32	0	6000	22,0	M01-M05
25,60	1,45	138	SI..16C56 - W-DA71SK-4G	55,07	0	6000	22,0	M01-M05
22,33	1,14	158	SI..16B63 - W-DA71SK-4G	63,15	0	6000	22,0	M01-M05
23,13	1,31	153	SI..16C63 - W-DA71SK-4G	60,95	0	6000	22,0	M01-M05
21,81	2,59	162	SI..26C63 - W-DA71SK-4G	64,64	0	6500	30,0	M06-M11
20,76	1,18	170	SI..16C71 - W-DA71SK-4G	67,91	0	6000	22,0	M01-M05
19,59	2,33	180	SI..26C71 - W-DA71SK-4G	71,97	0	6500	30,0	M06-M11
18,49	1,05	191	SI..16C80 - W-DA71SK-4G	76,26	0	6000	22,0	M01-M05
17,79	2,12	199	SI..26C80 - W-DA71SK-4G	79,24	0	6500	30,0	M06-M11
16,61	0,94	213	SI..16C90 - W-DA71SK-4G	84,89	0	6000	22,0	M01-M05
16,05	1,91	220	SI..26C90 - W-DA71SK-4G	87,84	0	6500	30,0	M06-M11
14,36	1,71	246	SI..26C100 - W-DA71SK-4G	98,16	0	6500	30,0	M06-M11
12,96	1,54	273	SI..26C112 - W-DA71SK-4G	108,76	0	6500	30,0	M06-M11
12,02	2,79	294	SI..36C112 - W-DA71SK-4G	117,28	0	11000	50,0	M12-M19
11,64	1,38	304	SI..26C125 - W-DA71SK-4G	121,16	0	6500	30,0	M06-M11
10,87	2,52	325	SI..36C125 - W-DA71SK-4G	129,74	0	11000	50,0	M12-M19
10,11	1,20	349	SI..26C140 - W-DA71SK-4G	139,43	0	6500	30,0	M06-M11
9,78	2,27	361	SI..36C140 - W-DA71SK-4G	144,13	0	11000	50,0	M12-M19
9,01	1,07	392	SI..26C160 - W-DA71SK-4G	156,44	0	6500	30,0	M06-M11
8,37	1,94	422	SI..36C16B160 - W-DA71SK-4G	168,48	0	11000	54,90	M12-M19
8,44	1,96	418	SI..36C160 - W-DA71SK-4G	166,99	0	11000	50,0	M12-M19
8,20	0,97	431	SI..26C16B180 - W-DA71SK-4G	171,96	0	6500	34,9	M06-M11
7,81	1,81	452	SI..36C16B180 - W-DA71SK-4G	180,52	0	11000	34,9	M12-M19
7,15	0,85	494	SI..26C16B200 - W-DA71SK-4G	197,13	0	6500	34,9	M06-M11
6,79	1,58	521	SI..36C16B200 - W-DA71SK-4G	207,76	0	11000	54,90	M12-M19
6,80	1,58	519	SI..36C200 - W-DA71SK-4G	207,24	0	11000	50,0	M12-M19
6,32	1,47	559	SI..36C16B224 - W-DA71SK-4G	223,09	0	11000	54,90	M12-M19
6,26	2,84	564	SI..46C16B224 - W-DA71SK-4G	225,17	0	21000	73,90	M20-M27
5,51	1,28	641	SI..36C16B250 - W-DA71SK-4G	255,75	0	11000	54,90	M12-M19
5,84	2,65	605	SI..46C16B250 - W-DA71SK-4G	241,27	0	21000	73,90	M20-M27



P 0,37 kW n₁ 1410 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
5,15	1,19	687	SI..36C16B280 - W-DA71SK-4G	274,04	0	11000	54,90	M12-M19
5,08	2,30	696	SI..46C16B280 - W-DA71SK-4G	277,68	0	21000	73,90	M20-M27
4,47	1,04	790	SI..36C16B315 - W-DA71SK-4G	315,39	0	11000	54,90	M12-M19
4,39	1,99	804	SI..46C16B315 - W-DA71SK-4G	321,02	0	21000	73,90	M20-M27
3,87	0,90	914	SI..36C16B355 - W-DA71SK-4G	364,61	0	11000	54,90	M12-M19
4,08	1,85	867	SI..46C16B355 - W-DA71SK-4G	345,94	0	21000	73,90	M20-M27
3,78	1,71	936	SI..46C16B400 - W-DA71SK-4G	373,48	0	21000	73,90	M20-M27
3,60	2,85	981	SI..56C16B400 - W-DA71SK-4G	391,62	0	25500	114,90	M28-M35
3,22	1,46	1.098	SI..46C16B450 - W-DA71SK-4G	438,29	0	21000	73,90	M20-M27
3,31	2,62	1.067	SI..56C16B450 - W-DA71SK-4G	426,00	0	25500	114,90	M28-M35
2,96	1,34	1.195	SI..46C16B500 - W-DA71SK-4G	476,78	0	21000	73,90	M20-M27
2,77	2,19	1.277	SI..56C16B500 - W-DA71SK-4G	509,50	0	25500	114,90	M28-M35
2,47	1,12	1.429	SI..46C16B560 - W-DA71SK-4G	570,23	0	21000	73,90	M20-M27
2,51	1,99	1.405	SI..56C16B560 - W-DA71SK-4G	560,89	0	25500	114,90	M28-M35
2,25	1,02	1.573	SI..46C16B630 - W-DA71SK-4G	627,74	0	21000	73,90	M20-M27
2,27	1,80	1.556	SI..56C16B630 - W-DA71SK-4G	620,84	0	25500	114,90	M28-M35
2,03	0,92	1.741	SI..46C16B710 - W-DA71SK-4G	694,84	0	21000	73,90	M20-M27
2,04	1,62	1.733	SI..56C16B710 - W-DA71SK-4G	691,69	0	25500	114,90	M28-M35
1,98	2,80	1.783	SI..66C36B710 - W-DA71SK-4G	711,36	0	38000	199,90	M36-M45
1,82	1,44	1.946	SI..56C16B800 - W-DA71SK-4G	776,71	0	25500	114,90	M28-M35
1,75	2,48	2.019	SI..66C36B800 - W-DA71SK-4G	805,65	0	38000	199,90	M36-M45
1,63	1,29	2.167	SI..56C16B900 - W-DA71SK-4G	864,61	0	25500	114,90	M28-M35
1,63	2,31	2.167	SI..66C36B900 - W-DA71SK-4G	864,90	0	38000	199,90	M36-M45
1,46	1,16	2.423	SI..56C16B1000 - W-DA71SK-4G	966,92	0	25500	114,90	M28-M35
1,44	2,04	2.455	SI..66C36B1000 - W-DA71SK-4G	979,54	0	38000	199,90	M36-M45
1,25	0,99	2.817	SI..56C16B1120 - W-DA71SK-4G	1.123,99	0	25500	114,90	M28-M35
1,32	1,87	2.677	SI..66C36B1120 - W-DA71SK-4G	1.068,15	0	38000	199,90	M36-M45
1,13	0,89	3.138	SI..56C16B1250 - W-DA71SK-4G	1.252,24	0	25500	114,90	M28-M35
1,14	1,61	3.098	SI..66C36B1250 - W-DA71SK-4G	1.236,39	0	38000	199,90	M36-M45
1,11	2,83	3.182	SI..76C36B1250 - W-DA71SK-4G	1.269,92	0	52500	294,90	M46-M54
1,03	1,46	3.421	SI..66C36B1400 - W-DA71SK-4G	1.365,20	0	38000	199,90	M36-M45
0,97	2,48	3.631	SI..76C36B1400 - W-DA71SK-4G	1.448,88	0	52500	294,90	M46-M54
0,86	1,22	4.093	SI..66C36B1600 - W-DA71SK-4G	1.633,34	0	38000	199,90	M36-M45
0,88	2,24	4.016	SI..76C36B1600 - W-DA71SK-4G	1.602,81	0	52500	294,90	M46-M54
0,78	1,10	4.557	SI..66C36B1800 - W-DA71SK-4G	1.818,59	0	38000	199,90	M36-M45
0,79	2,02	4.462	SI..76C36B1800 - W-DA71SK-4G	1.780,55	0	52500	294,90	M46-M54
0,70	0,99	5.041	SI..66C36B2000 - W-DA71SK-4G	2.011,80	0	38000	199,90	M36-M45
0,72	1,84	4.885	SI..76C36B2000 - W-DA71SK-4G	1.949,38	0	52500	294,90	M46-M54
0,63	0,89	5.600	SI..66C36B2240 - W-DA71SK-4G	2.234,89	0	38000	199,90	M36-M45
0,63	1,60	5.625	SI..76C36B2240 - W-DA71SK-4G	2.244,83	0	52500	294,90	M46-M54
0,64	2,71	5.526	SI..86C36B2240 - W-DA71SK-4G	2.205,41	0	82000	464,90	M55-M63
0,57	1,45	6.207	SI..76C36B2500 - W-DA71SK-4G	2.476,98	0	52500	294,90	M46-M54
0,57	2,44	6.147	SI..86C36C2500 - W-DA71SK-4G	2.452,88	0	82000	464,90	M55-M63
0,51	1,29	6.975	SI..76C36B2800 - W-DA71SK-4G	2.783,49	0	52500	294,90	M46-M54
0,51	2,15	6.961	SI..86C36C2800 - W-DA71SK-4G	2.778,01	0	82000	464,90	M55-M63
0,45	1,16	7.766	SI..76C36B3150 - W-DA71SK-4G	3.099,21	0	52500	294,90	M46-M54
0,47	1,98	7.591	SI..86C36C3150 - W-DA71SK-4G	3.029,31	0	82000	464,90	M55-M63
0,41	1,03	8.701	SI..76C36B3550 - W-DA71SK-4G	3.472,33	0	52500	294,90	M46-M54
0,40	1,71	8.787	SI..86C36C3550 - W-DA71SK-4G	3.506,46	0	82000	464,90	M55-M63
0,40	2,86	8.737	SI..96C36B3550 - W-DA71SK-4G	3.486,56	0	105000	674,90	M64-M72
0,37	0,93	9.677	SI..76C36C4000 - W-DA71SK-4G	3.861,96	0	52500	294,90	M46-M54

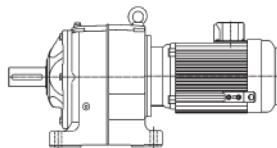


P 0,37 kW
n₁ 1410 min⁻¹

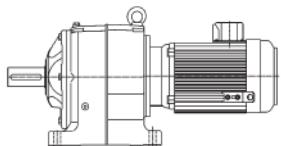
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
0,36	1,55	9.702	SI..86C36C4000 - W-DA71SK-4G	3.871,78	0	82000	464,90	M55-M63
0,36	2,57	9.717	SI..96C36C4000 - W-DA71SK-4G	3.877,79	0	105000	674,90	M64-M72
0,30	1,29	11.608	SI..86C36C4500 - W-DA71SK-4G	4.632,23	0	82000	464,90	M55-M63
0,32	2,27	11.005	SI..96C36C4500 - W-DA71SK-4G	4.391,79	0	105000	674,90	M64-M72
0,27	1,16	12.924	SI..86C36C5000 - W-DA71SK-4G	5.157,60	0	82000	464,90	M55-M63
0,29	2,08	12.001	SI..96C36C5000 - W-DA71SK-4G	4.789,07	0	105000	674,90	M64-M72
0,25	1,05	14.297	SI..86C36C5600 - W-DA71SK-4G	5.705,56	0	82000	464,90	M55-M63
0,25	1,80	13.891	SI..96C36C5600 - W-DA71SK-4G	5.543,39	0	105000	674,90	M64-M72
0,22	0,94	15.883	SI..86C36C6300 - W-DA71SK-4G	6.338,25	0	82000	464,90	M55-M63
0,23	1,63	15.338	SI..96C36C6300 - W-DA71SK-4G	6.120,94	0	105000	674,90	M64-M72
0,19	1,36	18.351	SI..96C36C7100 - W-DA71SK-4G	7.323,15	0	105000	674,90	M64-M72
0,17	1,22	20.432	SI..96C36C8000 - W-DA71SK-4G	8.153,70	0	105000	674,90	M64-M72
0,16	1,11	22.603	SI..96C36C9000 - W-DA71SK-4G	9.019,98	0	105000	674,90	M64-M72
0,14	1,00	25.109	SI..96C36C10000 - W-DA71SK-4G	10.020,21	0	105000	674,90	M64-M72

P 0,55 kW
n₁ 1410 min⁻¹

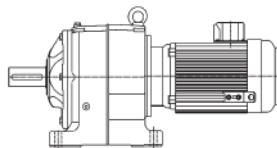
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
503,50	9,59	10	SI..16B2,8 - W-DA80ME-4G	2,80	0	3800	25,0	M01-M05
439,20	8,78	12	SI..16B3,15 - W-DA80ME-4G	3,21	0	4000	25,0	M01-M05
409,88	8,58	13	SI..16B3,55 - W-DA80ME-4G	3,44	0	4100	25,0	M01-M05
356,14	7,80	15	SI..16B4 - W-DA80ME-4G	3,96	0	4300	25,0	M01-M05
308,06	7,04	17	SI..16B4,5 - W-DA80ME-4G	4,58	0	4500	25,0	M01-M05
285,87	6,80	18	SI..16B5 - W-DA80ME-4G	4,93	0	4600	25,0	M01-M05
246,49	6,10	21	SI..16B5,6 - W-DA80ME-4G	5,72	0	4800	25,0	M01-M05
215,01	5,61	24	SI..16B6,3 - W-DA80ME-4G	6,56	0	5000	25,0	M01-M05
200,66	5,54	26	SI..16B7,1 - W-DA80ME-4G	7,03	0	5100	25,0	M01-M05
174,35	5,08	30	SI..16B8 - W-DA80ME-4G	8,09	0	5400	25,0	M01-M05
150,81	4,62	35	SI..16B9 - W-DA80ME-4G	9,35	0	5600	25,0	M01-M05
139,95	4,53	38	SI..16B10 - W-DA80ME-4G	10,08	0	5700	25,0	M01-M05
129,63	4,44	41	SI..16B11,2 - W-DA80ME-4G	10,88	0	5900	25,0	M01-M05
110,46	3,79	48	SI..16B12,5 - W-DA80ME-4G	12,76	0	6000	25,0	M01-M05
101,55	3,48	52	SI..16B14 - W-DA80ME-4G	13,89	0	6000	25,0	M01-M05
84,90	2,91	62	SI..16B16 - W-DA80ME-4G	16,61	0	6000	25,0	M01-M05
77,12	2,64	68	SI..16B18 - W-DA80ME-4G	18,28	0	6000	25,0	M01-M05
81,83	2,65	64	SI..16C18 - W-DA80ME-4G	17,23	0	6000	25,0	M01-M05
71,38	2,31	74	SI..16C20 - W-DA80ME-4G	19,75	0	6000	25,0	M01-M05
69,68	2,39	75	SI..16B20 - W-DA80ME-4G	20,24	0	6000	25,0	M01-M05
62,54	2,14	84	SI..16B22,4 - W-DA80ME-4G	22,55	0	6000	25,0	M01-M05
66,62	2,28	79	SI..16C22,4 - W-DA80ME-4G	21,17	0	6000	25,0	M01-M05
55,69	1,91	94	SI..16B25 - W-DA80ME-4G	25,32	0	6000	25,0	M01-M05
57,88	2,09	91	SI..16C25 - W-DA80ME-4G	24,36	0	6000	25,0	M01-M05
50,03	1,71	105	SI..16B28 - W-DA80ME-4G	28,18	0	6000	25,0	M01-M05
50,07	1,81	105	SI..16C28 - W-DA80ME-4G	28,16	0	6000	25,0	M01-M05
44,74	1,53	117	SI..16B31,5 - W-DA80ME-4G	31,52	0	6000	25,0	M01-M05
46,46	1,77	113	SI..16C31,5 - W-DA80ME-4G	30,35	0	6000	25,0	M01-M05
38,49	1,32	136	SI..16B35,5 - W-DA80ME-4G	36,64	0	6000	25,0	M01-M05
43,04	1,64	122	SI..16C35,5 - W-DA80ME-4G	32,76	0	6000	25,0	M01-M05



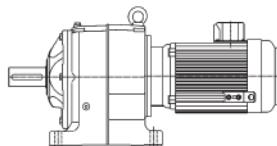
P 0,55 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
40,51	2,78	130	SI..26B35,5 - W-DA80ME-4G	34,81	0	6500	33,0	M06-M11
34,54	1,18	152	SI..16B40 - W-DA80ME-4G	40,82	0	6000	25,0	M01-M05
36,67	1,40	143	SI..16C40 - W-DA80ME-4G	38,45	0	6000	25,0	M01-M05
36,36	2,49	144	SI..26B40 - W-DA80ME-4G	38,78	0	6500	33,0	M06-M11
36,43	2,91	144	SI..26C40 - W-DA80ME-4G	38,71	0	6500	33,0	M06-M11
33,47	1,15	157	SI..16B45 - W-DA80ME-4G	42,13	0	6000	25,0	M01-M05
33,71	1,28	156	SI..16C45 - W-DA80ME-4G	41,82	0	6000	25,0	M01-M05
31,59	2,17	166	SI..26B45 - W-DA80ME-4G	44,63	0	6500	33,0	M06-M11
31,76	2,54	165	SI..26C45 - W-DA80ME-4G	44,40	0	6500	33,0	M06-M11
27,80	0,95	189	SI..16B50 - W-DA80ME-4G	50,73	0	6000	25,0	M01-M05
28,19	1,07	186	SI..16C50 - W-DA80ME-4G	50,02	0	6000	25,0	M01-M05
28,16	1,93	187	SI..26B50 - W-DA80ME-4G	50,07	0	6500	33,0	M06-M11
27,42	2,19	192	SI..26C50 - W-DA80ME-4G	51,42	0	6500	33,0	M06-M11
25,04	0,86	210	SI..16B56 - W-DA80ME-4G	56,32	0	6000	25,0	M01-M05
25,60	0,98	205	SI..16C56 - W-DA80ME-4G	55,07	0	6000	25,0	M01-M05
25,36	2,03	207	SI..26C56 - W-DA80ME-4G	55,60	0	6500	33,0	M06-M11
23,13	0,88	227	SI..16C63 - W-DA80ME-4G	60,95	0	6000	25,0	M01-M05
21,81	1,74	241	SI..26C63 - W-DA80ME-4G	64,64	0	6500	33,0	M06-M11
19,59	1,57	268	SI..26C71 - W-DA80ME-4G	71,97	0	6500	33,0	M06-M11
17,79	1,42	295	SI..26C80 - W-DA80ME-4G	79,24	0	6500	33,0	M06-M11
17,68	2,76	297	SI..36C80 - W-DA80ME-4G	79,73	0	11000	53,0	M12-M19
16,05	1,28	327	SI..26C90 - W-DA80ME-4G	87,84	0	6500	33,0	M06-M11
16,02	2,50	328	SI..36C90 - W-DA80ME-4G	88,04	0	11000	53,0	M12-M19
14,36	1,15	366	SI..26C100 - W-DA80ME-4G	98,16	0	6500	33,0	M06-M11
13,39	2,09	392	SI..36C100 - W-DA80ME-4G	105,33	0	11000	53,0	M12-M19
12,96	1,04	405	SI..26C112 - W-DA80ME-4G	108,76	0	6500	33,0	M06-M11
12,02	1,88	437	SI..36C112 - W-DA80ME-4G	117,28	0	11000	53,0	M12-M19
11,64	0,93	451	SI..26C125 - W-DA80ME-4G	121,16	0	6500	33,0	M06-M11
10,87	1,70	483	SI..36C125 - W-DA80ME-4G	129,74	0	11000	53,0	M12-M19
9,78	1,53	537	SI..36C140 - W-DA80ME-4G	144,13	0	11000	53,0	M12-M19
8,37	1,31	628	SI..36C16B160 - W-DA80ME-4G	168,48	0	11000	58,00	M12-M19
8,44	1,32	622	SI..36C160 - W-DA80ME-4G	166,99	0	11000	53,0	M12-M19
9,00	2,74	584	SI..46C160 - W-DA80ME-4G	156,72	0	21000	72,0	M20-M27
7,81	1,22	672	SI..36C16B180 - W-DA80ME-4G	180,52	0	11000	58,00	M12-M19
8,02	2,44	654	SI..46C180 - W-DA80ME-4G	175,71	0	21000	72,0	M20-M27
6,79	1,06	774	SI..36C16B200 - W-DA80ME-4G	207,76	0	11000	58,00	M12-M19
6,80	1,06	772	SI..36C200 - W-DA80ME-4G	207,24	0	11000	53,0	M12-M19
7,18	2,19	732	SI..46C16B200 - W-DA80ME-4G	196,41	0	21000	77,00	M20-M27
6,32	0,99	831	SI..36C16B224 - W-DA80ME-4G	223,09	0	11000	58,00	M12-M19
6,26	1,91	839	SI..46C16B224 - W-DA80ME-4G	225,17	0	21000	77,00	M20-M27
5,51	0,86	953	SI..36C16B250 - W-DA80ME-4G	255,75	0	11000	58,00	M12-M19
5,84	1,78	899	SI..46C16B250 - W-DA80ME-4G	241,27	0	21000	77,00	M20-M27
5,08	1,55	1.034	SI..46C16B280 - W-DA80ME-4G	277,68	0	21000	77,00	M20-M27
4,92	2,62	1.068	SI..56C16B280 - W-DA80ME-4G	286,83	0	25500	118,00	M28-M35
4,39	1,34	1.196	SI..46C16B315 - W-DA80ME-4G	321,02	0	21000	77,00	M20-M27
4,56	2,43	1.151	SI..56C16B315 - W-DA80ME-4G	309,10	0	25500	118,00	M28-M35
4,08	1,24	1.289	SI..46C16B355 - W-DA80ME-4G	345,94	0	21000	77,00	M20-M27
4,23	2,25	1.243	SI..56C16B355 - W-DA80ME-4G	333,71	0	25500	118,00	M28-M35
3,78	1,15	1.391	SI..46C16B400 - W-DA80ME-4G	373,48	0	21000	77,00	M20-M27
3,60	1,92	1.459	SI..56C16B400 - W-DA80ME-4G	391,62	0	25500	118,00	M28-M35
3,22	0,98	1.633	SI..46C16B450 - W-DA80ME-4G	438,29	0	21000	77,00	M20-M27



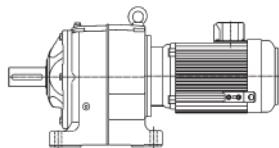
P 0,55 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
3,31	1,76	1.587	SI..56C16B450 - W-DA80ME-4G	426,00	0	25500	118,00	M28-M35
2,96	0,90	1.776	SI..46C16B500 - W-DA80ME-4G	476,78	0	21000	77,00	M20-M27
2,77	1,48	1.898	SI..56C16B500 - W-DA80ME-4G	509,50	0	25500	118,00	M28-M35
2,75	2,62	1.909	SI..66C36B500 - W-DA80ME-4G	512,37	0	38000	203,00	M36-M45
2,51	1,34	2.089	SI..56C16B560 - W-DA80ME-4G	560,89	0	25500	118,00	M28-M35
2,56	2,44	2.049	SI..66C36B560 - W-DA80ME-4G	550,14	0	38000	203,00	M36-M45
2,27	1,21	2.313	SI..56C16B630 - W-DA80ME-4G	620,84	0	25500	118,00	M28-M35
2,22	2,11	2.369	SI..66C36B630 - W-DA80ME-4G	635,98	0	38000	203,00	M36-M45
2,04	1,09	2.576	SI..56C16B710 - W-DA80ME-4G	691,69	0	25500	118,00	M28-M35
1,98	1,89	2.650	SI..66C36B710 - W-DA80ME-4G	711,36	0	38000	203,00	M36-M45
1,82	0,97	2.893	SI..56C16B800 - W-DA80ME-4G	776,71	0	25500	118,00	M28-M35
1,75	1,67	3.001	SI..66C36B800 - W-DA80ME-4G	805,65	0	38000	203,00	M36-M45
1,63	0,87	3.221	SI..56C16B900 - W-DA80ME-4G	864,61	0	25500	118,00	M28-M35
1,63	1,55	3.222	SI..66C36B900 - W-DA80ME-4G	864,90	0	38000	203,00	M36-M45
1,51	2,59	3.470	SI..76C36B900 - W-DA80ME-4G	931,69	0	52500	298,00	M46-M54
1,44	1,37	3.649	SI..66C36B1000 - W-DA80ME-4G	979,54	0	38000	203,00	M36-M45
1,43	2,45	3.669	SI..76C36B1000 - W-DA80ME-4G	985,04	0	52500	298,00	M46-M54
1,32	1,26	3.979	SI..66C36B1120 - W-DA80ME-4G	1.068,15	0	38000	203,00	M36-M45
1,30	2,22	4.051	SI..76C36B1120 - W-DA80ME-4G	1.087,67	0	52500	298,00	M46-M54
1,14	1,09	4.605	SI..66C36B1250 - W-DA80ME-4G	1.236,39	0	38000	203,00	M36-M45
1,11	1,90	4.730	SI..76C36B1250 - W-DA80ME-4G	1.269,92	0	52500	298,00	M46-M54
1,03	0,98	5.085	SI..66C36B1400 - W-DA80ME-4G	1.365,20	0	38000	203,00	M36-M45
0,97	1,67	5.397	SI..76C36B1400 - W-DA80ME-4G	1.448,88	0	52500	298,00	M46-M54
0,98	2,80	5.359	SI..86C36B1400 - W-DA80ME-4G	1.438,59	0	82000	468,00	M55-M63
0,88	1,51	5.970	SI..76C36B1600 - W-DA80ME-4G	1.602,81	0	52500	298,00	M46-M54
0,88	2,51	5.966	SI..86C36B1600 - W-DA80ME-4G	1.601,76	0	82000	468,00	M55-M63
0,79	1,36	6.632	SI..76C36B1800 - W-DA80ME-4G	1.780,55	0	52500	298,00	M46-M54
0,79	2,24	6.685	SI..86C36B1800 - W-DA80ME-4G	1.794,60	0	82000	468,00	M55-M63
0,72	1,24	7.261	SI..76C36B2000 - W-DA80ME-4G	1.949,38	0	52500	298,00	M46-M54
0,71	2,03	7.395	SI..86C36B2000 - W-DA80ME-4G	1.985,27	0	82000	468,00	M55-M63
0,63	1,08	8.362	SI..76C36B2240 - W-DA80ME-4G	2.244,83	0	52500	298,00	M46-M54
0,64	1,83	8.215	SI..86C36B2240 - W-DA80ME-4G	2.205,41	0	82000	468,00	M55-M63
0,63	2,98	8.396	SI..96C36B2240 - W-DA80ME-4G	2.254,03	0	105000	678,00	M64-M72
0,57	0,98	9.226	SI..76C36B2500 - W-DA80ME-4G	2.476,98	0	52500	298,00	M46-M54
0,57	1,64	9.137	SI..86C36C2500 - W-DA80ME-4G	2.452,88	0	82000	468,00	M55-M63
0,57	2,70	9.264	SI..96C36B2500 - W-DA80ME-4G	2.487,13	0	105000	678,00	M64-M72
0,51	0,87	10.368	SI..76C36B2800 - W-DA80ME-4G	2.783,49	0	52500	298,00	M46-M54
0,51	1,45	10.348	SI..86C36C2800 - W-DA80ME-4G	2.778,01	0	82000	468,00	M55-M63
0,50	2,40	10.411	SI..96C36B2800 - W-DA80ME-4G	2.794,90	0	105000	678,00	M64-M72
0,47	1,33	11.284	SI..86C36C3150 - W-DA80ME-4G	3.029,31	0	82000	468,00	M55-M63
0,45	2,16	11.592	SI..96C36B3150 - W-DA80ME-4G	3.111,91	0	105000	678,00	M64-M72
0,40	1,15	13.061	SI..86C36C3550 - W-DA80ME-4G	3.506,46	0	82000	468,00	M55-M63
0,40	1,92	12.987	SI..96C36B3550 - W-DA80ME-4G	3.486,56	0	105000	678,00	M64-M72
0,36	1,04	14.422	SI..86C36C4000 - W-DA80ME-4G	3.871,78	0	82000	468,00	M55-M63
0,36	1,73	14.444	SI..96C36C4000 - W-DA80ME-4G	3.877,79	0	105000	678,00	M64-M72
0,30	0,87	17.255	SI..86C36C4500 - W-DA80ME-4G	4.632,23	0	82000	468,00	M55-M63
0,32	1,53	16.359	SI..96C36C4500 - W-DA80ME-4G	4.391,79	0	105000	678,00	M64-M72
0,29	1,40	17.839	SI..96C36C5000 - W-DA80ME-4G	4.789,07	0	105000	678,00	M64-M72
0,25	1,21	20.649	SI..96C36C5600 - W-DA80ME-4G	5.543,39	0	105000	678,00	M64-M72
0,23	1,10	22.800	SI..96C36C6300 - W-DA80ME-4G	6.120,94	0	105000	678,00	M64-M72
0,19	0,92	27.278	SI..96C36C7100 - W-DA80ME-4G	7.323,15	0	105000	678,00	M64-M72



P 0,75 kW n₁ 1440 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
514,21	7,18	14	SI..16B2,8 - WUDA80MS-H-4G IE2	2,80	0	3800	26,0	M01-M05
448,54	6,58	16	SI..16B3,15 - WUDA80MS-H-4G IE2	3,21	0	4000	26,0	M01-M05
418,60	6,43	17	SI..16B3,55 - WUDA80MS-H-4G IE2	3,44	0	4000	26,0	M01-M05
363,72	5,84	20	SI..16B4 - WUDA80MS-H-4G IE2	3,96	0	4200	26,0	M01-M05
314,61	5,27	23	SI..16B4,5 - WUDA80MS-H-4G IE2	4,58	0	4400	26,0	M01-M05
291,95	5,10	25	SI..16B5 - WUDA80MS-H-4G IE2	4,93	0	4500	26,0	M01-M05
251,74	4,57	28	SI..16B5,6 - WUDA80MS-H-4G IE2	5,72	0	4800	26,0	M01-M05
219,59	4,20	33	SI..16B6,3 - WUDA80MS-H-4G IE2	6,56	0	5000	26,0	M01-M05
204,93	4,15	35	SI..16B7,1 - WUDA80MS-H-4G IE2	7,03	0	5100	26,0	M01-M05
178,06	3,80	40	SI..16B8 - WUDA80MS-H-4G IE2	8,09	0	5300	26,0	M01-M05
154,02	3,46	46	SI..16B9 - WUDA80MS-H-4G IE2	9,35	0	5500	26,0	M01-M05
142,93	3,39	50	SI..16B10 - WUDA80MS-H-4G IE2	10,08	0	5600	26,0	M01-M05
132,39	3,33	54	SI..16B11,2 - WUDA80MS-H-4G IE2	10,88	0	5700	26,0	M01-M05
112,81	2,84	63	SI..16B12,5 - WUDA80MS-H-4G IE2	12,76	0	6000	26,0	M01-M05
103,71	2,61	69	SI..16B14 - WUDA80MS-H-4G IE2	13,89	0	6000	26,0	M01-M05
86,71	2,18	83	SI..16B16 - WUDA80MS-H-4G IE2	16,61	0	6000	26,0	M01-M05
78,77	1,98	91	SI..16B18 - WUDA80MS-H-4G IE2	18,28	0	6000	26,0	M01-M05
83,57	1,98	86	SI..16C18 - WUDA80MS-H-4G IE2	17,23	0	6000	26,0	M01-M05
72,90	1,73	98	SI..16C20 - WUDA80MS-H-4G IE2	19,75	0	6000	26,0	M01-M05
71,16	1,79	101	SI..16B20 - WUDA80MS-H-4G IE2	20,24	0	6000	26,0	M01-M05
63,87	1,61	112	SI..16B22,4 - WUDA80MS-H-4G IE2	22,55	0	6000	26,0	M01-M05
68,04	1,71	105	SI..16C22,4 - WUDA80MS-H-4G IE2	21,17	0	6000	26,0	M01-M05
56,88	1,43	126	SI..16B25 - WUDA80MS-H-4G IE2	25,32	0	6000	26,0	M01-M05
59,12	1,57	121	SI..16C25 - WUDA80MS-H-4G IE2	24,36	0	6000	26,0	M01-M05
56,77	2,85	126	SI..26B25 - WUDA80MS-H-4G IE2	25,36	0	6500	34,0	M06-M11
51,10	1,28	140	SI..16B28 - WUDA80MS-H-4G IE2	28,18	0	6000	26,0	M01-M05
51,13	1,36	140	SI..16C28 - WUDA80MS-H-4G IE2	28,16	0	6000	26,0	M01-M05
51,22	2,57	140	SI..26B28 - WUDA80MS-H-4G IE2	28,12	0	6500	34,0	M06-M11
50,86	2,98	141	SI..26C28 - WUDA80MS-H-4G IE2	28,31	0	6500	34,0	M06-M11
45,69	1,15	157	SI..16B31,5 - WUDA80MS-H-4G IE2	31,52	0	6000	26,0	M01-M05
47,45	1,33	151	SI..16C31,5 - WUDA80MS-H-4G IE2	30,35	0	6000	26,0	M01-M05
45,83	2,30	156	SI..26B31,5 - WUDA80MS-H-4G IE2	31,42	0	6500	34,0	M06-M11
47,90	2,81	150	SI..26C31,5 - WUDA80MS-H-4G IE2	30,06	0	6500	34,0	M06-M11
39,31	0,99	182	SI..16B35,5 - WUDA80MS-H-4G IE2	36,64	0	6000	26,0	M01-M05
43,95	1,23	163	SI..16C35,5 - WUDA80MS-H-4G IE2	32,76	0	6000	26,0	M01-M05
41,37	2,08	173	SI..26B35,5 - WUDA80MS-H-4G IE2	34,81	0	6500	34,0	M06-M11
39,72	2,33	180	SI..26C35,5 - WUDA80MS-H-4G IE2	36,25	0	6500	34,0	M06-M11
35,28	0,89	203	SI..16B40 - WUDA80MS-H-4G IE2	40,82	0	6000	26,0	M01-M05
37,45	1,05	191	SI..16C40 - WUDA80MS-H-4G IE2	38,45	0	6000	26,0	M01-M05
37,13	1,87	193	SI..26B40 - WUDA80MS-H-4G IE2	38,78	0	6500	34,0	M06-M11
37,20	2,18	193	SI..26C40 - WUDA80MS-H-4G IE2	38,71	0	6500	34,0	M06-M11
34,18	0,86	210	SI..16B45 - WUDA80MS-H-4G IE2	42,13	0	6000	26,0	M01-M05
34,43	0,96	208	SI..16C45 - WUDA80MS-H-4G IE2	41,82	0	6000	26,0	M01-M05
32,27	1,62	222	SI..26B45 - WUDA80MS-H-4G IE2	44,63	0	6500	34,0	M06-M11
32,43	1,90	221	SI..26C45 - WUDA80MS-H-4G IE2	44,40	0	6500	34,0	M06-M11
28,76	1,45	249	SI..26B50 - WUDA80MS-H-4G IE2	50,07	0	6500	34,0	M06-M11
28,00	1,64	256	SI..26C50 - WUDA80MS-H-4G IE2	51,42	0	6500	34,0	M06-M11
28,71	2,89	249	SI..36B50 - WUDA80MS-H-4G IE2	50,15	0	11000	54,0	M12-M19
25,90	1,52	277	SI..26C56 - WUDA80MS-H-4G IE2	55,60	0	6500	34,0	M06-M11
24,78	2,49	289	SI..36B56 - WUDA80MS-H-4G IE2	58,11	0	11000	54,0	M12-M19
25,82	2,96	277	SI..36C56 - WUDA80MS-H-4G IE2	55,78	0	11000	54,0	M12-M19

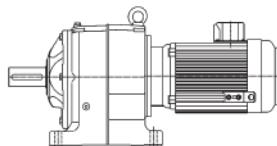


P 0,75 kW n ₁ 1440 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
22,28	1,31	321	SI..26C63 - WUDA80MS-H-4G IE2	64,64	0	6500	34,0	M06-M11
22,80	2,61	314	SI..36C63 - WUDA80MS-H-4G IE2	63,17	0	11000	54,0	M12-M19
20,01	1,17	358	SI..26C71 - WUDA80MS-H-4G IE2	71,97	0	6500	34,0	M06-M11
20,90	2,39	343	SI..36C71 - WUDA80MS-H-4G IE2	68,88	0	11000	54,0	M12-M19
18,17	1,07	394	SI..26C80 - WUDA80MS-H-4G IE2	79,24	0	6500	34,0	M06-M11
18,06	2,07	397	SI..36C80 - WUDA80MS-H-4G IE2	79,73	0	11000	54,0	M12-M19
16,39	0,96	437	SI..26C90 - WUDA80MS-H-4G IE2	87,84	0	6500	34,0	M06-M11
16,36	1,87	438	SI..36C90 - WUDA80MS-H-4G IE2	88,04	0	11000	54,0	M12-M19
14,67	0,86	488	SI..26C100 - WUDA80MS-H-4G IE2	98,16	0	6500	34,0	M06-M11
13,67	1,57	524	SI..36C100 - WUDA80MS-H-4G IE2	105,33	0	11000	54,0	M12-M19
12,28	1,41	583	SI..36C112 - WUDA80MS-H-4G IE2	117,28	0	11000	54,0	M12-M19
11,10	1,27	645	SI..36C125 - WUDA80MS-H-4G IE2	129,74	0	11000	54,0	M12-M19
12,04	2,69	595	SI..46C125 - WUDA80MS-H-4G IE2	119,59	0	21000	73,0	M20-M27
9,99	1,14	717	SI..36C140 - WUDA80MS-H-4G IE2	144,13	0	11000	54,0	M12-M19
10,96	2,45	653	SI..46C140 - WUDA80MS-H-4G IE2	131,33	0	21000	73,0	M20-M27
8,55	0,98	838	SI..36C16B160 - WUDA80MS-H-4G IE2	168,48	0	11000	62,50	M12-M19
8,62	0,99	831	SI..36C160 - WUDA80MS-H-4G IE2	166,99	0	11000	54,0	M12-M19
9,19	2,05	779	SI..46C160 - WUDA80MS-H-4G IE2	156,72	0	21000	73,0	M20-M27
7,98	0,91	898	SI..36C16B180 - WUDA80MS-H-4G IE2	180,52	0	11000	62,50	M12-M19
8,20	1,83	874	SI..46C180 - WUDA80MS-H-4G IE2	175,71	0	21000	73,0	M20-M27
7,33	1,64	977	SI..46C16B200 - WUDA80MS-H-4G IE2	196,41	0	21000	81,50	M20-M27
7,16	2,80	1.001	SI..56C16B200 - WUDA80MS-H-4G IE2	201,19	0	25500	122,50	M28-M35
6,40	1,43	1.120	SI..46C16B224 - WUDA80MS-H-4G IE2	225,17	0	21000	81,50	M20-M27
6,68	2,61	1.072	SI..56C16B224 - WUDA80MS-H-4G IE2	215,58	0	25500	122,50	M28-M35
5,97	1,33	1.200	SI..46C16B250 - WUDA80MS-H-4G IE2	241,27	0	21000	81,50	M20-M27
5,80	2,27	1.234	SI..56C16B250 - WUDA80MS-H-4G IE2	248,11	0	25500	122,50	M28-M35
5,19	1,16	1.381	SI..46C16B280 - WUDA80MS-H-4G IE2	277,68	0	21000	81,50	M20-M27
5,02	1,96	1.427	SI..56C16B280 - WUDA80MS-H-4G IE2	286,83	0	25500	122,50	M28-M35
4,49	1,00	1.597	SI..46C16B315 - WUDA80MS-H-4G IE2	321,02	0	21000	81,50	M20-M27
4,66	1,82	1.537	SI..56C16B315 - WUDA80MS-H-4G IE2	309,10	0	25500	122,50	M28-M35
4,16	0,93	1.721	SI..46C16B355 - WUDA80MS-H-4G IE2	345,94	0	21000	81,50	M20-M27
4,32	1,69	1.660	SI..56C16B355 - WUDA80MS-H-4G IE2	333,71	0	25500	122,50	M28-M35
3,86	0,86	1.858	SI..46C16B400 - WUDA80MS-H-4G IE2	373,48	0	21000	81,50	M20-M27
3,68	1,44	1.948	SI..56C16B400 - WUDA80MS-H-4G IE2	391,62	0	25500	122,50	M28-M35
3,72	2,60	1.926	SI..66C36B400 - WUDA80MS-H-4G IE2	387,33	0	38000	207,50	M36-M45
3,38	1,32	2.119	SI..56C16B450 - WUDA80MS-H-4G IE2	426,00	0	25500	122,50	M28-M35
3,28	2,29	2.182	SI..66C36B450 - WUDA80MS-H-4G IE2	438,67	0	38000	207,50	M36-M45
2,83	1,10	2.534	SI..56C16B500 - WUDA80MS-H-4G IE2	509,50	0	25500	122,50	M28-M35
2,81	1,96	2.548	SI..66C36B500 - WUDA80MS-H-4G IE2	512,37	0	38000	207,50	M36-M45
2,57	1,00	2.790	SI..56C16B560 - WUDA80MS-H-4G IE2	560,89	0	25500	122,50	M28-M35
2,62	1,83	2.736	SI..66C36B560 - WUDA80MS-H-4G IE2	550,14	0	38000	207,50	M36-M45
2,32	0,91	3.088	SI..56C16B630 - WUDA80MS-H-4G IE2	620,84	0	25500	122,50	M28-M35
2,26	1,58	3.163	SI..66C36B630 - WUDA80MS-H-4G IE2	635,98	0	38000	207,50	M36-M45
2,29	2,88	3.122	SI..76C36B630 - WUDA80MS-H-4G IE2	627,78	0	52500	302,50	M46-M54
2,02	1,41	3.538	SI..66C36B710 - WUDA80MS-H-4G IE2	711,36	0	38000	207,50	M36-M45
2,09	2,63	3.427	SI..76C36B710 - WUDA80MS-H-4G IE2	689,07	0	52500	302,50	M46-M54
1,79	1,25	4.007	SI..66C36B800 - WUDA80MS-H-4G IE2	805,65	0	38000	207,50	M36-M45
1,85	2,32	3.881	SI..76C36B800 - WUDA80MS-H-4G IE2	780,40	0	52500	302,50	M46-M54
1,66	1,16	4.302	SI..66C36B900 - WUDA80MS-H-4G IE2	864,90	0	38000	207,50	M36-M45
1,55	1,94	4.634	SI..76C36B900 - WUDA80MS-H-4G IE2	931,69	0	52500	302,50	M46-M54
1,47	1,03	4.872	SI..66C36B1000 - WUDA80MS-H-4G IE2	979,54	0	38000	207,50	M36-M45

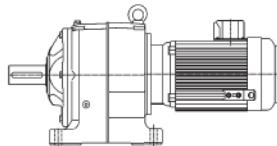


P 0,75 kW	n ₁ 1440 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
		1,46	1,84	4.899	SI..76C36B1000 - WUDA80MS-H-4G IE2	985,04	0	52500	302,50	M46-M54
		1,35	0,94	5.313	SI..66C36B1120 - WUDA80MS-H-4G IE2	1.068,15	0	38000	207,50	M36-M45
		1,32	1,66	5.410	SI..76C36B1120 - WUDA80MS-H-4G IE2	1.087,67	0	52500	302,50	M46-M54
		1,25	2,62	5.718	SI..86C36B1120 - WUDA80MS-H-4G IE2	1.149,77	0	82000	472,50	M55-M63
		1,13	1,42	6.316	SI..76C36B1250 - WUDA80MS-H-4G IE2	1.269,92	0	52500	302,50	M46-M54
		1,12	2,36	6.367	SI..86C36B1250 - WUDA80MS-H-4G IE2	1.280,17	0	82000	472,50	M55-M63
		0,99	1,25	7.206	SI..76C36B1400 - WUDA80MS-H-4G IE2	1.448,88	0	52500	302,50	M46-M54
		1,00	2,10	7.155	SI..86C36B1400 - WUDA80MS-H-4G IE2	1.438,59	0	82000	472,50	M55-M63
		0,90	1,13	7.972	SI..76C36B1600 - WUDA80MS-H-4G IE2	1.602,81	0	52500	302,50	M46-M54
		0,90	1,88	7.966	SI..86C36B1600 - WUDA80MS-H-4G IE2	1.601,76	0	82000	472,50	M55-M63
		0,81	1,02	8.856	SI..76C36B1800 - WUDA80MS-H-4G IE2	1.780,55	0	52500	302,50	M46-M54
		0,80	1,68	8.926	SI..86C36B1800 - WUDA80MS-H-4G IE2	1.794,60	0	82000	472,50	M55-M63
		0,79	2,74	9.122	SI..96C36B1800 - WUDA80MS-H-4G IE2	1.834,16	0	105000	682,50	M64-M72
		0,74	0,93	9.695	SI..76C36B2000 - WUDA80MS-H-4G IE2	1.949,38	0	52500	302,50	M46-M54
		0,73	1,52	9.874	SI..86C36B2000 - WUDA80MS-H-4G IE2	1.985,27	0	82000	472,50	M55-M63
		0,71	2,48	10.092	SI..96C36B2000 - WUDA80MS-H-4G IE2	2.029,03	0	105000	682,50	M64-M72
		0,65	1,37	10.969	SI..86C36B2240 - WUDA80MS-H-4G IE2	2.205,41	0	82000	472,50	M55-M63
		0,64	2,23	11.211	SI..96C36B2240 - WUDA80MS-H-4G IE2	2.254,03	0	105000	682,50	M64-M72
		0,59	1,23	12.200	SI..86C36C2500 - WUDA80MS-H-4G IE2	2.452,88	0	82000	472,50	M55-M63
		0,58	2,02	12.370	SI..96C36B2500 - WUDA80MS-H-4G IE2	2.487,13	0	105000	682,50	M64-M72
		0,52	1,09	13.817	SI..86C36C2800 - WUDA80MS-H-4G IE2	2.778,01	0	82000	472,50	M55-M63
		0,52	1,80	13.901	SI..96C36B2800 - WUDA80MS-H-4G IE2	2.794,90	0	105000	682,50	M64-M72
		0,48	1,00	15.067	SI..86C36C3150 - WUDA80MS-H-4G IE2	3.029,31	0	82000	472,50	M55-M63
		0,46	1,62	15.477	SI..96C36B3150 - WUDA80MS-H-4G IE2	3.111,91	0	105000	682,50	M64-M72
		0,41	0,86	17.440	SI..86C36C3550 - WUDA80MS-H-4G IE2	3.506,46	0	82000	472,50	M55-M63
		0,41	1,44	17.341	SI..96C36B3550 - WUDA80MS-H-4G IE2	3.486,56	0	105000	682,50	M64-M72
		0,37	1,30	19.287	SI..96C36C4000 - WUDA80MS-H-4G IE2	3.877,79	0	105000	682,50	M64-M72
		0,33	1,14	21.843	SI..96C36C4500 - WUDA80MS-H-4G IE2	4.391,79	0	105000	682,50	M64-M72
		0,30	1,05	23.819	SI..96C36C5000 - WUDA80MS-H-4G IE2	4.789,07	0	105000	682,50	M64-M72
		0,26	0,91	27.571	SI..96C36C5600 - WUDA80MS-H-4G IE2	5.543,39	0	105000	682,50	M64-M72

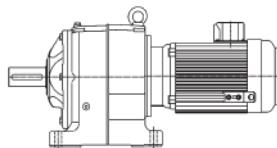
P 1,10 kW	n ₁ 1425 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
		508,85	4,84	21	SI..16B2,8 - WUDA90SRX-H-4G IE2	2,80	0	3700	30,0	M01-M05
		443,87	4,44	24	SI..16B3,15 - WUDA90SRX-H-4G IE2	3,21	0	3900	30,0	M01-M05
		414,24	4,34	25	SI..16B3,55 - WUDA90SRX-H-4G IE2	3,44	0	4000	30,0	M01-M05
		359,93	3,94	29	SI..16B4 - WUDA90SRX-H-4G IE2	3,96	0	4100	30,0	M01-M05
		311,34	3,56	34	SI..16B4,5 - WUDA90SRX-H-4G IE2	4,58	0	4300	30,0	M01-M05
		288,91	3,44	36	SI..16B5 - WUDA90SRX-H-4G IE2	4,93	0	4400	30,0	M01-M05
		249,12	3,08	42	SI..16B5,6 - WUDA90SRX-H-4G IE2	5,72	0	4600	30,0	M01-M05
		217,30	2,83	48	SI..16B6,3 - WUDA90SRX-H-4G IE2	6,56	0	4800	30,0	M01-M05
		202,80	2,80	52	SI..16B7,1 - WUDA90SRX-H-4G IE2	7,03	0	4900	30,0	M01-M05
		176,21	2,57	60	SI..16B8 - WUDA90SRX-H-4G IE2	8,09	0	5100	30,0	M01-M05
		152,42	2,34	69	SI..16B9 - WUDA90SRX-H-4G IE2	9,35	0	5300	30,0	M01-M05
		141,44	2,29	74	SI..16B10 - WUDA90SRX-H-4G IE2	10,08	0	5400	30,0	M01-M05
		131,01	2,24	80	SI..16B11,2 - WUDA90SRX-H-4G IE2	10,88	0	5500	30,0	M01-M05
		111,64	1,91	94	SI..16B12,5 - WUDA90SRX-H-4G IE2	12,76	0	5800	30,0	M01-M05



P 1,10 kW n ₁ 1425 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
102,63	1,76	102	SI..16B14 - WUDA90SRX-H-4G IE2	13,89	0	5900	30,0	M01-M05
85,81	1,47	122	SI..16B16 - WUDA90SRX-H-4G IE2	16,61	0	6000	30,0	M01-M05
86,57	2,97	121	SI..26B16 - WUDA90SRX-H-4G IE2	16,46	0	6300	38,0	M06-M11
77,95	1,34	135	SI..16B18 - WUDA90SRX-H-4G IE2	18,28	0	6000	30,0	M01-M05
82,70	1,34	127	SI..16C18 - WUDA90SRX-H-4G IE2	17,23	0	6000	30,0	M01-M05
80,08	2,74	131	SI..26B18 - WUDA90SRX-H-4G IE2	17,80	0	6500	38,0	M06-M11
72,14	1,17	146	SI..16C20 - WUDA90SRX-H-4G IE2	19,75	0	6000	30,0	M01-M05
70,42	1,21	149	SI..16B20 - WUDA90SRX-H-4G IE2	20,24	0	6000	30,0	M01-M05
68,88	2,36	153	SI..26B20 - WUDA90SRX-H-4G IE2	20,69	0	6500	38,0	M06-M11
63,21	1,08	166	SI..16B22,4 - WUDA90SRX-H-4G IE2	22,55	0	6000	30,0	M01-M05
67,33	1,15	156	SI..16C22,4 - WUDA90SRX-H-4G IE2	21,17	0	6000	30,0	M01-M05
61,86	2,12	170	SI..26B22,4 - WUDA90SRX-H-4G IE2	23,03	0	6500	38,0	M06-M11
56,29	0,96	187	SI..16B25 - WUDA90SRX-H-4G IE2	25,32	0	6000	30,0	M01-M05
58,50	1,06	180	SI..16C25 - WUDA90SRX-H-4G IE2	24,36	0	6000	30,0	M01-M05
56,18	1,93	187	SI..26B25 - WUDA90SRX-H-4G IE2	25,36	0	6500	38,0	M06-M11
56,55	2,26	186	SI..26C25 - WUDA90SRX-H-4G IE2	25,20	0	6500	38,0	M06-M11
50,56	0,87	208	SI..16B28 - WUDA90SRX-H-4G IE2	28,18	0	6000	30,0	M01-M05
50,60	0,92	208	SI..16C28 - WUDA90SRX-H-4G IE2	28,16	0	6000	30,0	M01-M05
50,68	1,74	207	SI..26B28 - WUDA90SRX-H-4G IE2	28,12	0	6500	38,0	M06-M11
50,33	2,01	209	SI..26C28 - WUDA90SRX-H-4G IE2	28,31	0	6500	38,0	M06-M11
46,96	0,89	224	SI..16C31,5 - WUDA90SRX-H-4G IE2	30,35	0	6000	30,0	M01-M05
45,36	1,55	232	SI..26B31,5 - WUDA90SRX-H-4G IE2	31,42	0	6500	38,0	M06-M11
47,40	1,90	222	SI..26C31,5 - WUDA90SRX-H-4G IE2	30,06	0	6500	38,0	M06-M11
40,94	1,40	257	SI..26B35,5 - WUDA90SRX-H-4G IE2	34,81	0	6500	38,0	M06-M11
39,31	1,57	267	SI..26C35,5 - WUDA90SRX-H-4G IE2	36,25	0	6500	38,0	M06-M11
38,88	2,66	270	SI..36B35,5 - WUDA90SRX-H-4G IE2	36,65	0	11000	58,0	M12-M19
36,74	1,26	286	SI..26B40 - WUDA90SRX-H-4G IE2	38,78	0	6500	38,0	M06-M11
36,81	1,47	285	SI..26C40 - WUDA90SRX-H-4G IE2	38,71	0	6500	38,0	M06-M11
34,92	2,39	301	SI..36B40 - WUDA90SRX-H-4G IE2	40,81	0	11000	58,0	M12-M19
36,54	2,85	287	SI..36C40 - WUDA90SRX-H-4G IE2	39,00	0	11000	58,0	M12-M19
31,93	1,09	329	SI..26B45 - WUDA90SRX-H-4G IE2	44,63	0	6500	38,0	M06-M11
32,10	1,28	327	SI..26C45 - WUDA90SRX-H-4G IE2	44,40	0	6500	38,0	M06-M11
31,57	2,16	333	SI..36B45 - WUDA90SRX-H-4G IE2	45,14	0	11000	58,0	M12-M19
31,25	2,44	336	SI..36C45 - WUDA90SRX-H-4G IE2	45,60	0	11000	58,0	M12-M19
28,46	0,98	369	SI..26B50 - WUDA90SRX-H-4G IE2	50,07	0	6500	38,0	M06-M11
27,71	1,11	379	SI..26C50 - WUDA90SRX-H-4G IE2	51,42	0	6500	38,0	M06-M11
28,41	1,95	370	SI..36B50 - WUDA90SRX-H-4G IE2	50,15	0	11000	58,0	M12-M19
29,01	2,26	362	SI..36C50 - WUDA90SRX-H-4G IE2	49,12	0	11000	58,0	M12-M19
25,63	1,02	410	SI..26C56 - WUDA90SRX-H-4G IE2	55,60	0	6500	38,0	M06-M11
24,52	1,68	428	SI..36B56 - WUDA90SRX-H-4G IE2	58,11	0	11000	58,0	M12-M19
25,55	1,99	411	SI..36C56 - WUDA90SRX-H-4G IE2	55,78	0	11000	58,0	M12-M19
22,05	0,88	476	SI..26C63 - WUDA90SRX-H-4G IE2	64,64	0	6500	38,0	M06-M11
22,56	1,76	466	SI..36C63 - WUDA90SRX-H-4G IE2	63,17	0	11000	58,0	M12-M19
20,69	1,61	508	SI..36C71 - WUDA90SRX-H-4G IE2	68,88	0	11000	58,0	M12-M19
17,87	1,40	588	SI..36C80 - WUDA90SRX-H-4G IE2	79,73	0	11000	58,0	M12-M19
19,00	2,89	553	SI..46C80 - WUDA90SRX-H-4G IE2	74,99	0	21000	77,0	M20-M27
16,19	1,26	649	SI..36C90 - WUDA90SRX-H-4G IE2	88,04	0	11000	58,0	M12-M19
17,01	2,59	617	SI..46C90 - WUDA90SRX-H-4G IE2	83,75	0	21000	77,0	M20-M27
13,53	1,06	776	SI..36C100 - WUDA90SRX-H-4G IE2	105,33	0	11000	58,0	M12-M19
14,91	2,27	704	SI..46C100 - WUDA90SRX-H-4G IE2	95,56	0	21000	77,0	M20-M27
12,15	0,95	865	SI..36C112 - WUDA90SRX-H-4G IE2	117,28	0	11000	58,0	M12-M19



P 1,10 kW	n ₁ 1425 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
13,75	2,10	764	SI..46C112 - WUDA90SRX-H-4G IE2	103,60	0	21000	77,0	M20-M27		
10,98	0,86	956	SI..36C125 - WUDA90SRX-H-4G IE2	129,74	0	11000	58,0	M12-M19		
11,92	1,82	882	SI..46C125 - WUDA90SRX-H-4G IE2	119,59	0	21000	77,0	M20-M27		
10,85	1,65	968	SI..46C140 - WUDA90SRX-H-4G IE2	131,33	0	21000	77,0	M20-M27		
10,29	2,74	1.020	SI..56C140 - WUDA90SRX-H-4G IE2	138,44	0	25500	118,0	M28-M35		
9,09	1,38	1.155	SI..46C160 - WUDA90SRX-H-4G IE2	156,72	0	21000	77,0	M20-M27		
9,26	2,47	1.135	SI..56C160 - WUDA90SRX-H-4G IE2	153,96	0	25500	118,0	M28-M35		
8,11	1,24	1.295	SI..46C180 - WUDA90SRX-H-4G IE2	175,71	0	21000	77,0	M20-M27		
8,12	2,16	1.294	SI..56C16B180 - WUDA90SRX-H-4G IE2	175,50	0	25500	126,50	M28-M35		
7,26	1,11	1.448	SI..46C16B200 - WUDA90SRX-H-4G IE2	196,41	0	21000	85,50	M20-M27		
7,08	1,89	1.483	SI..56C16B200 - WUDA90SRX-H-4G IE2	201,19	0	25500	126,50	M28-M35		
6,33	0,96	1.660	SI..46C16B224 - WUDA90SRX-H-4G IE2	225,17	0	21000	85,50	M20-M27		
6,61	1,76	1.589	SI..56C16B224 - WUDA90SRX-H-4G IE2	215,58	0	25500	126,50	M28-M35		
5,91	0,90	1.778	SI..46C16B250 - WUDA90SRX-H-4G IE2	241,27	0	21000	85,50	M20-M27		
5,74	1,53	1.829	SI..56C16B250 - WUDA90SRX-H-4G IE2	248,11	0	25500	126,50	M28-M35		
4,97	1,32	2.114	SI..56C16B280 - WUDA90SRX-H-4G IE2	286,83	0	25500	126,50	M28-M35		
4,61	1,23	2.278	SI..56C16B315 - WUDA90SRX-H-4G IE2	309,10	0	25500	126,50	M28-M35		
4,27	1,14	2.460	SI..56C16B355 - WUDA90SRX-H-4G IE2	333,71	0	25500	126,50	M28-M35		
3,64	0,97	2.887	SI..56C16B400 - WUDA90SRX-H-4G IE2	391,62	0	25500	126,50	M28-M35		
3,68	1,75	2.855	SI..66C36B400 - WUDA90SRX-H-4G IE2	387,33	0	38000	211,50	M36-M45		
3,35	0,89	3.140	SI..56C16B450 - WUDA90SRX-H-4G IE2	426,00	0	25500	126,50	M28-M35		
3,25	1,55	3.234	SI..66C36B450 - WUDA90SRX-H-4G IE2	438,67	0	38000	211,50	M36-M45		
3,17	2,71	3.316	SI..76C36B450 - WUDA90SRX-H-4G IE2	449,84	0	52500	306,50	M46-M54		
2,78	1,32	3.777	SI..66C36B500 - WUDA90SRX-H-4G IE2	512,37	0	38000	211,50	M36-M45		
2,89	2,47	3.640	SI..76C36B500 - WUDA90SRX-H-4G IE2	493,78	0	52500	306,50	M46-M54		
2,59	1,23	4.055	SI..66C36B560 - WUDA90SRX-H-4G IE2	550,14	0	38000	211,50	M36-M45		
2,57	2,20	4.086	SI..76C36B560 - WUDA90SRX-H-4G IE2	554,31	0	52500	306,50	M46-M54		
2,24	1,07	4.688	SI..66C36B630 - WUDA90SRX-H-4G IE2	635,98	0	38000	211,50	M36-M45		
2,27	1,94	4.628	SI..76C36B630 - WUDA90SRX-H-4G IE2	627,78	0	52500	306,50	M46-M54		
2,00	0,95	5.244	SI..66C36B710 - WUDA90SRX-H-4G IE2	711,36	0	38000	211,50	M36-M45		
2,07	1,77	5.079	SI..76C36B710 - WUDA90SRX-H-4G IE2	689,07	0	52500	306,50	M46-M54		
2,07	2,95	5.083	SI..86C36B710 - WUDA90SRX-H-4G IE2	689,53	0	82000	476,50	M55-M63		
1,83	1,56	5.753	SI..76C36B800 - WUDA90SRX-H-4G IE2	780,40	0	52500	306,50	M46-M54		
1,84	2,63	5.712	SI..86C36B800 - WUDA90SRX-H-4G IE2	774,86	0	82000	476,50	M55-M63		
1,53	1,31	6.868	SI..76C36B900 - WUDA90SRX-H-4G IE2	931,69	0	52500	306,50	M46-M54		
1,64	2,34	6.416	SI..86C36B900 - WUDA90SRX-H-4G IE2	870,34	0	82000	476,50	M55-M63		
1,45	1,24	7.261	SI..76C36B1000 - WUDA90SRX-H-4G IE2	985,04	0	52500	306,50	M46-M54		
1,46	2,08	7.210	SI..86C36B1000 - WUDA90SRX-H-4G IE2	978,04	0	82000	476,50	M55-M63		
1,31	1,12	8.018	SI..76C36B1120 - WUDA90SRX-H-4G IE2	1.087,67	0	52500	306,50	M46-M54		
1,24	1,77	8.475	SI..86C36B1120 - WUDA90SRX-H-4G IE2	1.149,77	0	82000	476,50	M55-M63		
1,12	0,96	9.361	SI..76C36B1250 - WUDA90SRX-H-4G IE2	1.269,92	0	52500	306,50	M46-M54		
1,11	1,59	9.437	SI..86C36B1250 - WUDA90SRX-H-4G IE2	1.280,17	0	82000	476,50	M55-M63		
1,14	2,72	9.192	SI..96C36B1250 - WUDA90SRX-H-4G IE2	1.246,98	0	105000	686,50	M64-M72		
0,99	1,41	10.604	SI..86C36B1400 - WUDA90SRX-H-4G IE2	1.438,59	0	82000	476,50	M55-M63		
1,03	2,46	10.150	SI..96C36B1400 - WUDA90SRX-H-4G IE2	1.376,90	0	105000	686,50	M64-M72		
0,89	1,27	11.807	SI..86C36B1600 - WUDA90SRX-H-4G IE2	1.601,76	0	82000	476,50	M55-M63		
0,87	2,06	12.143	SI..96C36B1600 - WUDA90SRX-H-4G IE2	1.647,33	0	105000	686,50	M64-M72		
0,79	1,13	13.229	SI..86C36B1800 - WUDA90SRX-H-4G IE2	1.794,60	0	82000	476,50	M55-M63		
0,78	1,85	13.520	SI..96C36B1800 - WUDA90SRX-H-4G IE2	1.834,16	0	105000	686,50	M64-M72		
0,72	1,03	14.634	SI..86C36B2000 - WUDA90SRX-H-4G IE2	1.985,27	0	82000	476,50	M55-M63		
0,70	1,67	14.957	SI..96C36B2000 - WUDA90SRX-H-4G IE2	2.029,03	0	105000	686,50	M64-M72		

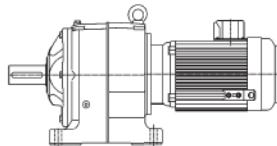


P 1,10 kW
n₁ 1425 min⁻¹

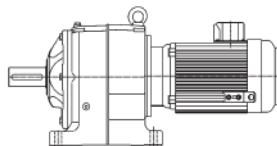
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
0,65	0,92	16.257	SI..86C36B2240 - WUDA90SRX-H-4G IE2	2.205,41	0	82000	476,50	M55-M63
0,63	1,50	16.615	SI..96C36B2240 - WUDA90SRX-H-4G IE2	2.254,03	0	105000	686,50	M64-M72
0,57	1,36	18.334	SI..96C36B2500 - WUDA90SRX-H-4G IE2	2.487,13	0	105000	686,50	M64-M72
0,51	1,21	20.602	SI..96C36B2800 - WUDA90SRX-H-4G IE2	2.794,90	0	105000	686,50	M64-M72
0,46	1,09	22.939	SI..96C36B3150 - WUDA90SRX-H-4G IE2	3.111,91	0	105000	686,50	M64-M72
0,41	0,97	25.701	SI..96C36B3550 - WUDA90SRX-H-4G IE2	3.486,56	0	105000	686,50	M64-M72
0,37	0,87	28.585	SI..96C36C4000 - WUDA90SRX-H-4G IE2	3.877,79	0	105000	686,50	M64-M72

P 1,50 kW
n₁ 1440 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
514,21	3,59	28	SI..16B2,8 - WUDA90LWX-H-4G IE2	2,80	0	3600	32,0	M46-M54
448,54	3,29	32	SI..16B3,15 - WUDA90LWX-H-4G IE2	3,21	0	3800	32,0	M36-M45
418,60	3,21	34	SI..16B3,55 - WUDA90LWX-H-4G IE2	3,44	0	3900	32,0	M46-M54
363,72	2,92	39	SI..16B4 - WUDA90LWX-H-4G IE2	3,96	0	4000	32,0	M55-M63
314,61	2,64	46	SI..16B4,5 - WUDA90LWX-H-4G IE2	4,58	0	4200	32,0	M46-M54
291,95	2,55	49	SI..16B5 - WUDA90LWX-H-4G IE2	4,93	0	4200	32,0	M55-M63
251,74	2,28	57	SI..16B5,6 - WUDA90LWX-H-4G IE2	5,72	0	4500	32,0	M46-M54
219,59	2,10	65	SI..16B6,3 - WUDA90LWX-H-4G IE2	6,56	0	4700	32,0	M55-M63
204,93	2,07	70	SI..16B7,1 - WUDA90LWX-H-4G IE2	7,03	0	4800	32,0	M46-M54
178,06	1,90	80	SI..16B8 - WUDA90LWX-H-4G IE2	8,09	0	4900	32,0	M36-M45
154,02	1,73	93	SI..16B9 - WUDA90LWX-H-4G IE2	9,35	0	5100	32,0	M46-M54
142,93	1,70	100	SI..16B10 - WUDA90LWX-H-4G IE2	10,08	0	5200	32,0	M55-M63
132,39	1,66	108	SI..16B11,2 - WUDA90LWX-H-4G IE2	10,88	0	5300	32,0	M46-M54
112,81	1,42	127	SI..16B12,5 - WUDA90LWX-H-4G IE2	12,76	0	5500	32,0	M55-M63
116,23	2,92	123	SI..26B12,5 - WUDA90LWX-H-4G IE2	12,39	0	5700	40,0	M46-M54
103,71	1,30	138	SI..16B14 - WUDA90LWX-H-4G IE2	13,89	0	5600	32,0	M55-M63
101,33	2,55	141	SI..26B14 - WUDA90LWX-H-4G IE2	14,21	0	5900	40,0	M55-M63
86,71	1,09	165	SI..16B16 - WUDA90LWX-H-4G IE2	16,61	0	5800	32,0	M46-M54
87,49	2,20	164	SI..26B16 - WUDA90LWX-H-4G IE2	16,46	0	6100	40,0	M55-M63
78,77	0,99	182	SI..16B18 - WUDA90LWX-H-4G IE2	18,28	0	5900	32,0	M64-M72
83,57	0,99	171	SI..16C18 - WUDA90LWX-H-4G IE2	17,23	0	5800	32,0	M46-M54
80,92	2,03	177	SI..26B18 - WUDA90LWX-H-4G IE2	17,80	0	6200	40,0	M55-M63
72,90	0,87	196	SI..16C20 - WUDA90LWX-H-4G IE2	19,75	0	6000	32,0	M64-M72
71,16	0,89	201	SI..16B20 - WUDA90LWX-H-4G IE2	20,24	0	6000	32,0	M55-M63
69,60	1,75	206	SI..26B20 - WUDA90LWX-H-4G IE2	20,69	0	6400	40,0	M64-M72
68,04	0,85	211	SI..16C22,4 - WUDA90LWX-H-4G IE2	21,17	0	6000	32,0	M55-M63
62,51	1,57	229	SI..26B22,4 - WUDA90LWX-H-4G IE2	23,03	0	6500	40,0	M64-M72
56,77	1,43	252	SI..26B25 - WUDA90LWX-H-4G IE2	25,36	0	6500	40,0	M55-M63
57,15	1,68	251	SI..26C25 - WUDA90LWX-H-4G IE2	25,20	0	6500	40,0	M64-M72
51,22	1,29	280	SI..26B28 - WUDA90LWX-H-4G IE2	28,12	0	6500	40,0	M55-M63
50,86	1,49	282	SI..26C28 - WUDA90LWX-H-4G IE2	28,31	0	6500	40,0	M64-M72
51,90	2,61	276	SI..36B28 - WUDA90LWX-H-4G IE2	27,74	0	11000	60,0	M55-M63
45,83	1,15	313	SI..26B31,5 - WUDA90LWX-H-4G IE2	31,42	0	6500	40,0	M64-M72
47,90	1,40	299	SI..26C31,5 - WUDA90LWX-H-4G IE2	30,06	0	6500	40,0	M64-M72
47,01	2,36	305	SI..36B31,5 - WUDA90LWX-H-4G IE2	30,63	0	11000	60,0	M64-M72
43,90	2,51	326	SI..36C31,5 - WUDA90LWX-H-4G IE2	32,80	0	11000	60,0	M64-M72
41,37	1,04	346	SI..26B35,5 - WUDA90LWX-H-4G IE2	34,81	0	6500	40,0	M64-M72



P 1,50 kW	n ₁ 1440 min ⁻¹	Type	i _{ex}	F _N N	F _{rN-G} N	m kg	Icon	
n _{2ex} min ⁻¹	SF	T _{2m} Nm						
39,72	1,16	361	SI..26C35,5 - WUDA90LWX-H-4G IE2	36,25	0	6500	40,0	M06-M11
39,29	1,97	365	SI..36B35,5 - WUDA90LWX-H-4G IE2	36,65	0	11000	60,0	M12-M19
39,55	2,26	362	SI..36C35,5 - WUDA90LWX-H-4G IE2	36,41	0	11000	60,0	M12-M19
37,13	0,93	386	SI..26B40 - WUDA90LWX-H-4G IE2	38,78	0	6500	40,0	M06-M11
37,20	1,09	385	SI..26C40 - WUDA90LWX-H-4G IE2	38,71	0	6500	40,0	M06-M11
35,29	1,77	406	SI..36B40 - WUDA90LWX-H-4G IE2	40,81	0	11000	60,0	M12-M19
36,92	2,11	388	SI..36C40 - WUDA90LWX-H-4G IE2	39,00	0	11000	60,0	M12-M19
32,43	0,95	442	SI..26C45 - WUDA90LWX-H-4G IE2	44,40	0	6500	40,0	M06-M11
31,90	1,60	449	SI..36B45 - WUDA90LWX-H-4G IE2	45,14	0	11000	60,0	M12-M19
31,58	1,81	454	SI..36C45 - WUDA90LWX-H-4G IE2	45,60	0	11000	60,0	M12-M19
28,71	1,44	499	SI..36B50 - WUDA90LWX-H-4G IE2	50,15	0	11000	60,0	M12-M19
29,32	1,68	489	SI..36C50 - WUDA90LWX-H-4G IE2	49,12	0	11000	60,0	M12-M19
27,63	2,70	518	SI..46B50 - WUDA90LWX-H-4G IE2	52,12	0	21000	79,0	M20-M27
24,78	1,25	578	SI..36B56 - WUDA90LWX-H-4G IE2	58,11	0	11000	60,0	M12-M19
25,82	1,48	555	SI..36C56 - WUDA90LWX-H-4G IE2	55,78	0	11000	60,0	M12-M19
22,80	1,30	628	SI..36C63 - WUDA90LWX-H-4G IE2	63,17	0	11000	60,0	M12-M19
24,13	2,70	594	SI..46C63 - WUDA90LWX-H-4G IE2	59,67	0	21000	79,0	M20-M27
20,90	1,20	685	SI..36C71 - WUDA90LWX-H-4G IE2	68,88	0	11000	60,0	M12-M19
20,55	2,30	697	SI..46C71 - WUDA90LWX-H-4G IE2	70,07	0	21000	79,0	M20-M27
18,06	1,03	793	SI..36C80 - WUDA90LWX-H-4G IE2	79,73	0	11000	60,0	M12-M19
19,20	2,15	746	SI..46C80 - WUDA90LWX-H-4G IE2	74,99	0	21000	79,0	M20-M27
16,36	0,94	876	SI..36C90 - WUDA90LWX-H-4G IE2	88,04	0	11000	60,0	M12-M19
17,19	1,92	833	SI..46C90 - WUDA90LWX-H-4G IE2	83,75	0	21000	79,0	M20-M27
15,07	1,68	951	SI..46C100 - WUDA90LWX-H-4G IE2	95,56	0	21000	79,0	M20-M27
14,84	2,90	965	SI..56C100 - WUDA90LWX-H-4G IE2	97,06	0	25500	120,0	M28-M35
13,90	1,55	1.031	SI..46C112 - WUDA90LWX-H-4G IE2	103,60	0	21000	79,0	M20-M27
13,69	2,68	1.046	SI..56C112 - WUDA90LWX-H-4G IE2	105,19	0	25500	120,0	M28-M35
12,04	1,35	1.190	SI..46C125 - WUDA90LWX-H-4G IE2	119,59	0	21000	79,0	M20-M27
11,60	2,27	1.235	SI..56C125 - WUDA90LWX-H-4G IE2	124,11	0	25500	120,0	M28-M35
10,96	1,22	1.306	SI..46C140 - WUDA90LWX-H-4G IE2	131,33	0	21000	79,0	M20-M27
10,40	2,03	1.377	SI..56C140 - WUDA90LWX-H-4G IE2	138,44	0	25500	120,0	M28-M35
9,19	1,03	1.559	SI..46C160 - WUDA90LWX-H-4G IE2	156,72	0	21000	79,0	M20-M27
9,35	1,83	1.531	SI..56C160 - WUDA90LWX-H-4G IE2	153,96	0	25500	120,0	M28-M35
8,20	0,92	1.748	SI..46C180 - WUDA90LWX-H-4G IE2	175,71	0	21000	79,0	M20-M27
8,21	1,60	1.746	SI..56C16B180 - WUDA90LWX-H-4G IE2	175,50	0	25500	129,00	M28-M35
7,16	1,40	2.001	SI..56C16B200 - WUDA90LWX-H-4G IE2	201,19	0	25500	129,00	M28-M35
6,68	1,31	2.144	SI..56C16B224 - WUDA90LWX-H-4G IE2	215,58	0	25500	129,00	M28-M35
5,80	1,13	2.468	SI..56C16B250 - WUDA90LWX-H-4G IE2	248,11	0	25500	129,00	M28-M35
5,02	0,98	2.853	SI..56C16B280 - WUDA90LWX-H-4G IE2	286,83	0	25500	129,00	M28-M35
4,66	0,91	3.075	SI..56C16B315 - WUDA90LWX-H-4G IE2	309,10	0	25500	129,00	M28-M35
3,72	1,30	3.853	SI..66C36B400 - WUDA90LWX-H-4G IE2	387,33	0	38000	214,00	M36-M45
3,55	2,23	4.031	SI..76C36B400 - WUDA90LWX-H-4G IE2	405,24	0	52500	309,00	M46-M54
3,28	1,15	4.364	SI..66C36B450 - WUDA90LWX-H-4G IE2	438,67	0	38000	214,00	M36-M45
3,20	2,01	4.475	SI..76C36B450 - WUDA90LWX-H-4G IE2	449,84	0	52500	309,00	M46-M54
2,81	0,98	5.097	SI..66C36B500 - WUDA90LWX-H-4G IE2	512,37	0	38000	214,00	M36-M45
2,92	1,83	4.912	SI..76C36B500 - WUDA90LWX-H-4G IE2	493,78	0	52500	309,00	M46-M54
2,62	0,91	5.472	SI..66C36B560 - WUDA90LWX-H-4G IE2	550,14	0	38000	214,00	M36-M45
2,60	1,63	5.514	SI..76C36B560 - WUDA90LWX-H-4G IE2	554,31	0	52500	309,00	M46-M54
2,57	2,70	5.564	SI..86C36B560 - WUDA90LWX-H-4G IE2	559,36	0	82000	479,00	M55-M63
2,29	1,44	6.245	SI..76C36B630 - WUDA90LWX-H-4G IE2	627,78	0	52500	309,00	M46-M54
2,37	2,48	6.056	SI..86C36B630 - WUDA90LWX-H-4G IE2	608,83	0	82000	479,00	M55-M63

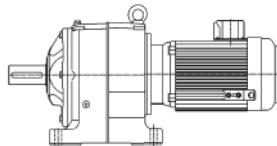


P 1,50 kW
n₁ 1440 min⁻¹

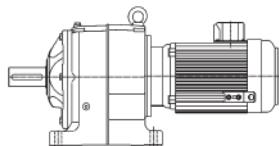
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
2,09	1,31	6.854	SI..76C36B710 - WUDA90LWX-H-4G IE2	689,07	0	52500	309,00	M46-M54
2,09	2,19	6.859	SI..86C36B710 - WUDA90LWX-H-4G IE2	689,53	0	82000	479,00	M55-M63
1,85	1,16	7.763	SI..76C36B800 - WUDA90LWX-H-4G IE2	780,40	0	52500	309,00	M46-M54
1,86	1,95	7.708	SI..86C36B800 - WUDA90LWX-H-4G IE2	774,86	0	82000	479,00	M55-M63
1,55	0,97	9.268	SI..76C36B900 - WUDA90LWX-H-4G IE2	931,69	0	52500	309,00	M46-M54
1,65	1,73	8.657	SI..86C36B900 - WUDA90LWX-H-4G IE2	870,34	0	82000	479,00	M55-M63
1,65	2,88	8.677	SI..96C36B900 - WUDA90LWX-H-4G IE2	872,30	0	105000	689,00	M64-M72
1,46	0,92	9.798	SI..76C36B1000 - WUDA90LWX-H-4G IE2	985,04	0	52500	309,00	M46-M54
1,47	1,54	9.729	SI..86C36B1000 - WUDA90LWX-H-4G IE2	978,04	0	82000	479,00	M55-M63
1,46	2,54	9.827	SI..96C36B1000 - WUDA90LWX-H-4G IE2	987,93	0	105000	689,00	M64-M72
1,25	1,31	11.437	SI..86C36B1120 - WUDA90LWX-H-4G IE2	1.149,77	0	82000	479,00	M55-M63
1,32	2,31	10.843	SI..96C36B1120 - WUDA90LWX-H-4G IE2	1.090,09	0	105000	689,00	M64-M72
1,12	1,18	12.734	SI..86C36B1250 - WUDA90LWX-H-4G IE2	1.280,17	0	82000	479,00	M55-M63
1,15	2,02	12.404	SI..96C36B1250 - WUDA90LWX-H-4G IE2	1.246,98	0	105000	689,00	M64-M72
1,00	1,05	14.310	SI..86C36B1400 - WUDA90LWX-H-4G IE2	1.438,59	0	82000	479,00	M55-M63
1,05	1,83	13.696	SI..96C36B1400 - WUDA90LWX-H-4G IE2	1.376,90	0	105000	689,00	M64-M72
0,90	0,94	15.933	SI..86C36B1600 - WUDA90LWX-H-4G IE2	1.601,76	0	82000	479,00	M55-M63
0,87	1,53	16.386	SI..96C36B1600 - WUDA90LWX-H-4G IE2	1.647,33	0	105000	689,00	M64-M72
0,79	1,37	18.245	SI..96C36B1800 - WUDA90LWX-H-4G IE2	1.834,16	0	105000	689,00	M64-M72
0,71	1,24	20.183	SI..96C36B2000 - WUDA90LWX-H-4G IE2	2.029,03	0	105000	689,00	M64-M72
0,64	1,12	22.421	SI..96C36B2240 - WUDA90LWX-H-4G IE2	2.254,03	0	105000	689,00	M64-M72
0,58	1,01	24.740	SI..96C36B2500 - WUDA90LWX-H-4G IE2	2.487,13	0	105000	689,00	M64-M72
0,52	0,90	27.801	SI..96C36B2800 - WUDA90LWX-H-4G IE2	2.794,90	0	105000	689,00	M64-M72

P 2,20 kW
n₁ 1435 min⁻¹

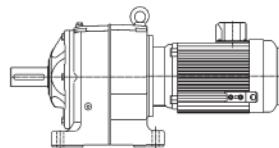
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
512,42	2,44	41	SI..16B2,8 - WUDA100LS-H-4G IE2	2,80	0	3500	43,0	M01-M05
446,98	2,23	47	SI..16B3,15 - WUDA100LS-H-4G IE2	3,21	0	3600	43,0	M01-M05
417,15	2,18	50	SI..16B3,55 - WUDA100LS-H-4G IE2	3,44	0	3700	43,0	M01-M05
362,46	1,98	58	SI..16B4 - WUDA100LS-H-4G IE2	3,96	0	3800	43,0	M01-M05
313,52	1,79	67	SI..16B4,5 - WUDA100LS-H-4G IE2	4,58	0	4000	43,0	M01-M05
310,92	2,74	68	SI..26B4,5 - WUDA100LS-H-4G IE2	4,62	0	4100	51,0	M06-M11
290,94	1,73	72	SI..16B5 - WUDA100LS-H-4G IE2	4,93	0	4000	43,0	M01-M05
292,86	2,58	72	SI..26B5 - WUDA100LS-H-4G IE2	4,90	0	4200	51,0	M06-M11
250,86	1,55	84	SI..16B5,6 - WUDA100LS-H-4G IE2	5,72	0	4300	43,0	M01-M05
218,83	1,43	96	SI..16B6,3 - WUDA100LS-H-4G IE2	6,56	0	4400	43,0	M01-M05
204,22	1,41	103	SI..16B7,1 - WUDA100LS-H-4G IE2	7,03	0	4500	43,0	M01-M05
199,31	2,75	105	SI..26B7,1 - WUDA100LS-H-4G IE2	7,20	0	4700	51,0	M06-M11
177,45	1,29	118	SI..16B8 - WUDA100LS-H-4G IE2	8,09	0	4600	43,0	M01-M05
177,93	2,59	118	SI..26B8 - WUDA100LS-H-4G IE2	8,06	0	4900	51,0	M06-M11
153,49	1,18	137	SI..16B9 - WUDA100LS-H-4G IE2	9,35	0	4800	43,0	M01-M05
158,34	2,43	133	SI..26B9 - WUDA100LS-H-4G IE2	9,06	0	5000	51,0	M06-M11
142,43	1,15	147	SI..16B10 - WUDA100LS-H-4G IE2	10,08	0	4800	43,0	M01-M05
149,14	2,42	141	SI..26B10 - WUDA100LS-H-4G IE2	9,62	0	5100	51,0	M06-M11
131,93	1,13	159	SI..16B11,2 - WUDA100LS-H-4G IE2	10,88	0	4900	43,0	M01-M05
123,67	2,12	170	SI..26B11,2 - WUDA100LS-H-4G IE2	11,60	0	5300	51,0	M06-M11
112,42	0,96	187	SI..16B12,5 - WUDA100LS-H-4G IE2	12,76	0	5000	43,0	M01-M05



P 2,20 kW	n ₁ 1435 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
115,82	1,98	181	SI..26B12,5 - WUDA100LS-H-4G IE2	12,39	0	5300	51,0	M06-M11		
103,35	0,89	203	SI..16B14 - WUDA100LS-H-4G IE2	13,89	0	5100	43,0	M01-M05		
100,98	1,73	208	SI..26B14 - WUDA100LS-H-4G IE2	14,21	0	5500	51,0	M06-M11		
87,18	1,49	241	SI..26B16 - WUDA100LS-H-4G IE2	16,46	0	5600	51,0	M06-M11		
91,19	2,91	230	SI..36C16 - WUDA100LS-H-4G IE2	15,74	0	11000	71,0	M12-M19		
80,64	1,38	261	SI..26B18 - WUDA100LS-H-4G IE2	17,80	0	5700	51,0	M06-M11		
83,97	1,48	250	SI..26C18 - WUDA100LS-H-4G IE2	17,09	0	5600	51,0	M06-M11		
78,56	2,58	267	SI..36C18 - WUDA100LS-H-4G IE2	18,27	0	11000	71,0	M12-M19		
83,96	2,88	250	SI..36B18 - WUDA100LS-H-4G IE2	17,09	0	11000	71,0	M12-M19		
69,36	1,19	303	SI..26B20 - WUDA100LS-H-4G IE2	20,69	0	5800	51,0	M06-M11		
75,31	1,38	279	SI..26C20 - WUDA100LS-H-4G IE2	19,06	0	5700	51,0	M06-M11		
70,17	2,40	299	SI..36C20 - WUDA100LS-H-4G IE2	20,45	0	11000	71,0	M12-M19		
73,94	2,53	284	SI..36B20 - WUDA100LS-H-4G IE2	19,41	0	11000	71,0	M12-M19		
62,30	1,07	337	SI..26B22,4 - WUDA100LS-H-4G IE2	23,03	0	5800	51,0	M06-M11		
63,79	1,28	329	SI..26C22,4 - WUDA100LS-H-4G IE2	22,49	0	5800	51,0	M06-M11		
61,28	2,20	343	SI..36C22,4 - WUDA100LS-H-4G IE2	23,42	0	11000	71,0	M12-M19		
65,29	2,24	322	SI..36B22,4 - WUDA100LS-H-4G IE2	21,98	0	11000	71,0	M12-M19		
56,58	0,97	371	SI..26B25 - WUDA100LS-H-4G IE2	25,36	0	5900	51,0	M06-M11		
56,95	1,14	369	SI..26C25 - WUDA100LS-H-4G IE2	25,20	0	5900	51,0	M06-M11		
59,87	2,05	351	SI..36B25 - WUDA100LS-H-4G IE2	23,97	0	11000	71,0	M12-M19		
55,86	2,07	376	SI..36C25 - WUDA100LS-H-4G IE2	25,69	0	11000	71,0	M12-M19		
51,04	0,87	412	SI..26B28 - WUDA100LS-H-4G IE2	28,12	0	5900	51,0	M06-M11		
50,68	1,01	415	SI..26C28 - WUDA100LS-H-4G IE2	28,31	0	5900	51,0	M06-M11		
51,72	1,77	406	SI..36B28 - WUDA100LS-H-4G IE2	27,74	0	11000	71,0	M12-M19		
48,36	1,84	434	SI..36C28 - WUDA100LS-H-4G IE2	29,67	0	11000	71,0	M12-M19		
47,74	0,95	440	SI..26C31,5 - WUDA100LS-H-4G IE2	30,06	0	6000	51,0	M06-M11		
46,84	1,61	448	SI..36B31,5 - WUDA100LS-H-4G IE2	30,63	0	11000	71,0	M12-M19		
43,75	1,71	480	SI..36C31,5 - WUDA100LS-H-4G IE2	32,80	0	11000	71,0	M12-M19		
39,15	1,34	537	SI..36B35,5 - WUDA100LS-H-4G IE2	36,65	0	11000	71,0	M12-M19		
39,41	1,54	533	SI..36C35,5 - WUDA100LS-H-4G IE2	36,41	0	11000	71,0	M12-M19		
40,46	2,70	519	SI..46B35,5 - WUDA100LS-H-4G IE2	35,47	0	21000	90,0	M20-M27		
35,16	1,21	597	SI..36B40 - WUDA100LS-H-4G IE2	40,81	0	11000	71,0	M12-M19		
36,80	1,44	571	SI..36C40 - WUDA100LS-H-4G IE2	39,00	0	11000	71,0	M12-M19		
36,84	2,45	570	SI..46B40 - WUDA100LS-H-4G IE2	38,96	0	21000	90,0	M20-M27		
37,87	2,88	555	SI..46C40 - WUDA100LS-H-4G IE2	37,89	0	21000	90,0	M20-M27		
31,79	1,09	661	SI..36B45 - WUDA100LS-H-4G IE2	45,14	0	11000	71,0	M12-M19		
31,47	1,23	668	SI..36C45 - WUDA100LS-H-4G IE2	45,60	0	11000	71,0	M12-M19		
30,87	2,06	681	SI..46B45 - WUDA100LS-H-4G IE2	46,48	0	21000	90,0	M20-M27		
34,42	2,62	610	SI..46C45 - WUDA100LS-H-4G IE2	41,69	0	21000	90,0	M20-M27		
28,61	0,98	734	SI..36B50 - WUDA100LS-H-4G IE2	50,15	0	11000	71,0	M12-M19		
29,21	1,14	719	SI..36C50 - WUDA100LS-H-4G IE2	49,12	0	11000	71,0	M12-M19		
27,53	1,83	763	SI..46B50 - WUDA100LS-H-4G IE2	52,12	0	21000	90,0	M20-M27		
30,55	2,33	688	SI..46C50 - WUDA100LS-H-4G IE2	46,97	0	21000	90,0	M20-M27		
25,73	1,00	817	SI..36C56 - WUDA100LS-H-4G IE2	55,78	0	11000	71,0	M12-M19		
27,54	2,10	763	SI..46C56 - WUDA100LS-H-4G IE2	52,10	0	21000	90,0	M20-M27		
22,72	0,89	925	SI..36C63 - WUDA100LS-H-4G IE2	63,17	0	11000	71,0	M12-M19		
24,05	1,83	874	SI..46C63 - WUDA100LS-H-4G IE2	59,67	0	21000	90,0	M20-M27		
20,48	1,56	1.026	SI..46C71 - WUDA100LS-H-4G IE2	70,07	0	21000	90,0	M20-M27		
21,17	2,82	992	SI..56C71 - WUDA100LS-H-4G IE2	67,77	0	25500	131,0	M28-M35		
19,14	1,46	1.098	SI..46C80 - WUDA100LS-H-4G IE2	74,99	0	21000	90,0	M20-M27		
18,60	2,48	1.130	SI..56C80 - WUDA100LS-H-4G IE2	77,16	0	25500	131,0	M28-M35		

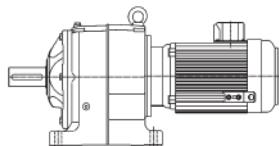


P 2,20 kW n ₁ 1435 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
17,13	1,30	1.226	SI..46C90 - WUDA100LS-H-4G IE2	83,75	0	21000	90,0	M20-M27
16,95	2,26	1.239	SI..56C90 - WUDA100LS-H-4G IE2	84,66	0	25500	131,0	M28-M35
15,02	1,14	1.399	SI..46C100 - WUDA100LS-H-4G IE2	95,56	0	21000	90,0	M20-M27
14,78	1,97	1.421	SI..56C100 - WUDA100LS-H-4G IE2	97,06	0	25500	131,0	M28-M35
13,85	1,05	1.517	SI..46C112 - WUDA100LS-H-4G IE2	103,60	0	21000	90,0	M20-M27
13,64	1,82	1.540	SI..56C112 - WUDA100LS-H-4G IE2	105,19	0	25500	131,0	M28-M35
12,00	0,91	1.751	SI..46C125 - WUDA100LS-H-4G IE2	119,59	0	21000	90,0	M20-M27
11,56	1,54	1.817	SI..56C125 - WUDA100LS-H-4G IE2	124,11	0	25500	131,0	M28-M35
10,37	1,38	2.027	SI..56C140 - WUDA100LS-H-4G IE2	138,44	0	25500	131,0	M28-M35
9,32	1,24	2.254	SI..56C160 - WUDA100LS-H-4G IE2	153,96	0	25500	131,0	M28-M35
9,25	2,20	2.272	SI..66C36B160 - WUDA100LS-H-4G IE2	155,21	0	38000	224,00	M36-M45
8,18	1,09	2.569	SI..56C16B180 - WUDA100LS-H-4G IE2	175,50	0	25500	139,00	M28-M35
8,00	1,90	2.627	SI..66C36B180 - WUDA100LS-H-4G IE2	179,42	0	38000	224,00	M36-M45
7,13	0,95	2.945	SI..56C16B200 - WUDA100LS-H-4G IE2	201,19	0	25500	139,00	M28-M35
7,15	1,70	2.938	SI..66C36B200 - WUDA100LS-H-4G IE2	200,69	0	38000	224,00	M36-M45
6,66	0,89	3.156	SI..56C16B224 - WUDA100LS-H-4G IE2	215,58	0	25500	139,00	M28-M35
6,62	1,58	3.172	SI..66C36B224 - WUDA100LS-H-4G IE2	216,68	0	38000	224,00	M36-M45
6,36	2,72	3.304	SI..76C36B224 - WUDA100LS-H-4G IE2	225,66	0	52500	319,00	M46-M54
5,88	1,40	3.572	SI..66C36B250 - WUDA100LS-H-4G IE2	244,01	0	38000	224,00	M36-M45
5,68	2,43	3.699	SI..76C36B250 - WUDA100LS-H-4G IE2	252,66	0	52500	319,00	M46-M54
5,07	1,21	4.147	SI..66C36B280 - WUDA100LS-H-4G IE2	283,24	0	38000	224,00	M36-M45
4,96	2,13	4.235	SI..76C36B280 - WUDA100LS-H-4G IE2	289,28	0	52500	319,00	M46-M54
4,52	1,08	4.643	SI..66C36B315 - WUDA100LS-H-4G IE2	317,13	0	38000	224,00	M36-M45
4,52	1,94	4.647	SI..76C36B315 - WUDA100LS-H-4G IE2	317,39	0	52500	319,00	M46-M54
3,95	0,94	5.316	SI..66C36B355 - WUDA100LS-H-4G IE2	363,09	0	38000	224,00	M36-M45
3,91	1,68	5.367	SI..76C36B355 - WUDA100LS-H-4G IE2	366,58	0	52500	319,00	M46-M54
4,01	2,86	5.242	SI..86C36B355 - WUDA100LS-H-4G IE2	358,05	0	82000	489,00	M55-M63
4,01	2,86	5.242	SI..86C36B355 - WUDA100LS-H-4G IE2	358,05	0	82000	489,00	M55-M63
3,70	0,88	5.671	SI..66C36B400 - WUDA100LS-H-4G IE2	387,33	0	38000	224,00	M36-M45
3,54	1,52	5.933	SI..76C36B400 - WUDA100LS-H-4G IE2	405,24	0	52500	319,00	M46-M54
3,54	1,52	5.933	SI..76C36B400 - WUDA100LS-H-4G IE2	405,24	0	52500	319,00	M46-M54
3,61	2,58	5.819	SI..86C36B400 - WUDA100LS-H-4G IE2	397,46	0	82000	489,00	M55-M63
3,19	1,37	6.586	SI..76C36B450 - WUDA100LS-H-4G IE2	449,84	0	52500	319,00	M46-M54
3,21	2,29	6.539	SI..86C36B450 - WUDA100LS-H-4G IE2	446,64	0	82000	489,00	M55-M63
2,91	1,24	7.229	SI..76C36B500 - WUDA100LS-H-4G IE2	493,78	0	52500	319,00	M46-M54
2,88	2,06	7.287	SI..86C36B500 - WUDA100LS-H-4G IE2	497,77	0	82000	489,00	M55-M63
2,59	1,11	8.115	SI..76C36B560 - WUDA100LS-H-4G IE2	554,31	0	52500	319,00	M46-M54
2,57	1,83	8.189	SI..86C36B560 - WUDA100LS-H-4G IE2	559,36	0	82000	489,00	M55-M63
2,52	3,00	8.337	SI..96C36B560 - WUDA100LS-H-4G IE2	569,46	0	105000	699,00	M64-M72
2,29	0,98	9.191	SI..76C36B630 - WUDA100LS-H-4G IE2	627,78	0	52500	319,00	M46-M54
2,36	1,68	8.913	SI..86C36B630 - WUDA100LS-H-4G IE2	608,83	0	82000	489,00	M55-M63
2,35	2,80	8.929	SI..96C36B630 - WUDA100LS-H-4G IE2	609,91	0	105000	699,00	M64-M72
2,08	0,89	10.088	SI..76C36B710 - WUDA100LS-H-4G IE2	689,07	0	52500	319,00	M46-M54
2,08	1,49	10.095	SI..86C36B710 - WUDA100LS-H-4G IE2	689,53	0	82000	489,00	M55-M63
2,01	2,39	10.441	SI..96C36B710 - WUDA100LS-H-4G IE2	713,17	0	105000	699,00	M64-M72
1,85	1,32	11.344	SI..86C36B800 - WUDA100LS-H-4G IE2	774,86	0	82000	489,00	M55-M63
1,82	2,17	11.521	SI..96C36B800 - WUDA100LS-H-4G IE2	786,93	0	105000	699,00	M64-M72
1,65	1,18	12.742	SI..86C36B900 - WUDA100LS-H-4G IE2	870,34	0	82000	489,00	M55-M63
1,65	1,96	12.771	SI..96C36B900 - WUDA100LS-H-4G IE2	872,30	0	105000	699,00	M64-M72
1,47	1,05	14.319	SI..86C36B1000 - WUDA100LS-H-4G IE2	978,04	0	82000	489,00	M55-M63
1,45	1,73	14.463	SI..96C36B1000 - WUDA100LS-H-4G IE2	987,93	0	105000	699,00	M64-M72

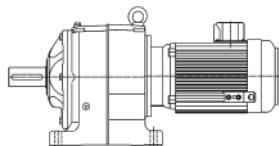


P 2,20 kW n ₁ 1435 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
1,25	0,89	16.833	SI..86C36B1120 - WUDA100LS-H-4G IE2	1.149,77	0	82000	489,00	M55-M63
1,32	1,57	15.959	SI..96C36B1120 - WUDA100LS-H-4G IE2	1.090,09	0	105000	699,00	M64-M72
1,15	1,37	18.256	SI..96C36B1250 - WUDA100LS-H-4G IE2	1.246,98	0	105000	699,00	M64-M72
1,04	1,24	20.158	SI..96C36B1400 - WUDA100LS-H-4G IE2	1.376,90	0	105000	699,00	M64-M72
0,87	1,04	24.117	SI..96C36B1600 - WUDA100LS-H-4G IE2	1.647,33	0	105000	699,00	M64-M72
0,78	0,93	26.852	SI..96C36B1800 - WUDA100LS-H-4G IE2	1.834,16	0	105000	699,00	M64-M72

P 3,00 kW n ₁ 1445 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
518,72	2,44	55	SI..26B2,8 - WUDA112MT-H-4G IE2	2,79	0	3500	63,0	M06-M11
465,22	2,44	62	SI..26B3,15 - WUDA112MT-H-4G IE2	3,11	0	3600	63,0	M06-M11
394,09	2,48	73	SI..26B3,55 - WUDA112MT-H-4G IE2	3,67	0	3800	63,0	M06-M11
351,83	2,27	81	SI..26B4 - WUDA112MT-H-4G IE2	4,11	0	3800	63,0	M06-M11
313,08	2,02	92	SI..26B4,5 - WUDA112MT-H-4G IE2	4,62	0	4000	63,0	M06-M11
294,90	1,90	97	SI..26B5 - WUDA112MT-H-4G IE2	4,90	0	4000	63,0	M06-M11
264,16	2,40	108	SI..26B5,6 - WUDA112MT-H-4G IE2	5,47	0	4200	63,0	M06-M11
236,92	2,27	121	SI..26B6,3 - WUDA112MT-H-4G IE2	6,10	0	4300	63,0	M06-M11
200,69	2,03	143	SI..26B7,1 - WUDA112MT-H-4G IE2	7,20	0	4500	63,0	M06-M11
179,17	1,91	160	SI..26B8 - WUDA112MT-H-4G IE2	8,06	0	4600	63,0	M06-M11
159,44	1,80	180	SI..26B9 - WUDA112MT-H-4G IE2	9,06	0	4700	63,0	M06-M11
150,18	1,79	191	SI..26B10 - WUDA112MT-H-4G IE2	9,62	0	4700	63,0	M06-M11
124,53	1,56	230	SI..26B11,2 - WUDA112MT-H-4G IE2	11,60	0	4900	63,0	M06-M11
116,63	1,47	246	SI..26B12,5 - WUDA112MT-H-4G IE2	12,39	0	4900	63,0	M06-M11
114,05	2,87	251	SI..36B12,5 - WUDA112MT-H-4G IE2	12,67	0	11000	83,0	M12-M19
101,69	1,28	282	SI..26B14 - WUDA112MT-H-4G IE2	14,21	0	5000	63,0	M06-M11
106,48	2,68	269	SI..36B14 - WUDA112MT-H-4G IE2	13,57	0	11000	83,0	M12-M19
87,79	1,10	326	SI..26B16 - WUDA112MT-H-4G IE2	16,46	0	5100	63,0	M06-M11
91,83	2,15	312	SI..36C16 - WUDA112MT-H-4G IE2	15,74	0	11000	83,0	M12-M19
91,07	2,29	315	SI..36B16 - WUDA112MT-H-4G IE2	15,87	0	11000	83,0	M12-M19
81,20	1,02	353	SI..26B18 - WUDA112MT-H-4G IE2	17,80	0	5100	63,0	M06-M11
84,55	1,09	339	SI..26C18 - WUDA112MT-H-4G IE2	17,09	0	5100	63,0	M06-M11
79,11	1,91	362	SI..36C18 - WUDA112MT-H-4G IE2	18,27	0	11000	83,0	M12-M19
84,55	2,12	339	SI..36B18 - WUDA112MT-H-4G IE2	17,09	0	11000	83,0	M12-M19
69,85	0,88	410	SI..26B20 - WUDA112MT-H-4G IE2	20,69	0	5100	63,0	M06-M11
75,83	1,02	378	SI..26C20 - WUDA112MT-H-4G IE2	19,06	0	5100	63,0	M06-M11
70,65	1,78	405	SI..36C20 - WUDA112MT-H-4G IE2	20,45	0	11000	83,0	M12-M19
74,45	1,87	385	SI..36B20 - WUDA112MT-H-4G IE2	19,41	0	11000	83,0	M12-M19
64,24	0,94	446	SI..26C22,4 - WUDA112MT-H-4G IE2	22,49	0	5100	63,0	M06-M11
61,71	1,63	464	SI..36C22,4 - WUDA112MT-H-4G IE2	23,42	0	11000	83,0	M12-M19
65,74	1,65	436	SI..36B22,4 - WUDA112MT-H-4G IE2	21,98	0	11000	83,0	M12-M19
60,29	1,52	475	SI..36B25 - WUDA112MT-H-4G IE2	23,97	0	11000	83,0	M12-M19
56,24	1,53	509	SI..36C25 - WUDA112MT-H-4G IE2	25,69	0	11000	83,0	M12-M19
58,17	2,84	493	SI..46B25 - WUDA112MT-H-4G IE2	24,84	0	19400	102,0	M20-M27
52,08	1,31	550	SI..36B28 - WUDA112MT-H-4G IE2	27,74	0	11000	83,0	M12-M19
48,70	1,36	588	SI..36C28 - WUDA112MT-H-4G IE2	29,67	0	11000	83,0	M12-M19
50,98	2,49	562	SI..46B28 - WUDA112MT-H-4G IE2	28,34	0	20100	102,0	M20-M27
54,28	2,84	528	SI..46C28 - WUDA112MT-H-4G IE2	26,62	0	19800	102,0	M20-M27



P 3,00 kW n ₁ 1445 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
47,17	1,19	607	SI..36B31,5 - WUDA112MT-H-4G IE2	30,63	0	11000	83,0	M12-M19
44,05	1,26	650	SI..36C31,5 - WUDA112MT-H-4G IE2	32,80	0	11000	83,0	M12-M19
47,02	2,30	609	SI..46B31,5 - WUDA112MT-H-4G IE2	30,73	0	20500	102,0	M20-M27
48,26	2,70	594	SI..46C31,5 - WUDA112MT-H-4G IE2	29,94	0	20400	102,0	M20-M27
39,43	0,99	727	SI..36B35,5 - WUDA112MT-H-4G IE2	36,65	0	11000	83,0	M12-M19
39,68	1,14	722	SI..36C35,5 - WUDA112MT-H-4G IE2	36,41	0	11000	83,0	M12-M19
40,74	1,99	703	SI..46B35,5 - WUDA112MT-H-4G IE2	35,47	0	21000	102,0	M20-M27
42,08	2,35	681	SI..46C35,5 - WUDA112MT-H-4G IE2	34,34	0	21000	102,0	M20-M27
35,41	0,89	809	SI..36B40 - WUDA112MT-H-4G IE2	40,81	0	11000	83,0	M12-M19
37,05	1,06	773	SI..36C40 - WUDA112MT-H-4G IE2	39,00	0	11000	83,0	M12-M19
37,09	1,81	772	SI..46B40 - WUDA112MT-H-4G IE2	38,96	0	21000	102,0	M20-M27
38,14	2,13	751	SI..46C40 - WUDA112MT-H-4G IE2	37,89	0	21000	102,0	M20-M27
31,69	0,91	904	SI..36C45 - WUDA112MT-H-4G IE2	45,60	0	11000	83,0	M12-M19
31,09	1,52	922	SI..46B45 - WUDA112MT-H-4G IE2	46,48	0	21000	102,0	M20-M27
34,66	1,94	827	SI..46C45 - WUDA112MT-H-4G IE2	41,69	0	21000	102,0	M20-M27
32,41	2,72	884	SI..56B45 - WUDA112MT-H-4G IE2	44,58	0	23500	143,0	M28-M35
27,73	1,35	1.033	SI..46B50 - WUDA112MT-H-4G IE2	52,12	0	21000	102,0	M20-M27
30,77	1,72	931	SI..46C50 - WUDA112MT-H-4G IE2	46,97	0	21000	102,0	M20-M27
30,68	3,00	934	SI..56C50 - WUDA112MT-H-4G IE2	47,10	0	23900	143,0	M28-M35
27,74	1,55	1.033	SI..46C56 - WUDA112MT-H-4G IE2	52,10	0	21000	102,0	M20-M27
27,68	2,71	1.035	SI..56C56 - WUDA112MT-H-4G IE2	52,21	0	24500	143,0	M28-M35
24,21	1,35	1.183	SI..46C63 - WUDA112MT-H-4G IE2	59,67	0	21000	102,0	M20-M27
24,05	2,35	1.191	SI..56C63 - WUDA112MT-H-4G IE2	60,09	0	25300	143,0	M28-M35
20,62	1,15	1.389	SI..46C71 - WUDA112MT-H-4G IE2	70,07	0	21000	102,0	M20-M27
21,32	2,08	1.344	SI..56C71 - WUDA112MT-H-4G IE2	67,77	0	25500	143,0	M28-M35
19,27	1,08	1.487	SI..46C80 - WUDA112MT-H-4G IE2	74,99	0	21000	102,0	M20-M27
18,73	1,83	1.530	SI..56C80 - WUDA112MT-H-4G IE2	77,16	0	25500	143,0	M28-M35
17,25	0,96	1.660	SI..46C90 - WUDA112MT-H-4G IE2	83,75	0	21000	102,0	M20-M27
17,07	1,67	1.678	SI..56C90 - WUDA112MT-H-4G IE2	84,66	0	25500	143,0	M28-M35
16,65	2,91	1.720	SI..66C90 - WUDA112MT-H-4G IE2	86,77	0	38000	200,0	M36-M45
14,89	1,46	1.924	SI..56C100 - WUDA112MT-H-4G IE2	97,06	0	25500	143,0	M28-M35
14,98	2,61	1.912	SI..66C100 - WUDA112MT-H-4G IE2	96,46	0	38000	200,0	M36-M45
13,74	1,34	2.085	SI..56C112 - WUDA112MT-H-4G IE2	105,19	0	25500	143,0	M28-M35
13,20	2,30	2.170	SI..66C112 - WUDA112MT-H-4G IE2	109,44	0	38000	200,0	M36-M45
11,64	1,14	2.461	SI..56C125 - WUDA112MT-H-4G IE2	124,11	0	25500	143,0	M28-M35
12,10	2,11	2.368	SI..66C125 - WUDA112MT-H-4G IE2	119,46	0	38000	200,0	M36-M45
10,44	1,02	2.745	SI..56C140 - WUDA112MT-H-4G IE2	138,44	0	25500	143,0	M28-M35
10,57	1,84	2.711	SI..66C140 - WUDA112MT-H-4G IE2	136,74	0	38000	200,0	M36-M45
9,39	0,92	3.052	SI..56C160 - WUDA112MT-H-4G IE2	153,96	0	25500	143,0	M28-M35
9,31	1,62	3.077	SI..66C36B160 - WUDA112MT-H-4G IE2	155,21	0	38000	235,00	M36-M45
9,67	1,69	2.962	SI..66C160 - WUDA112MT-H-4G IE2	149,41	0	38000	200,0	M36-M45
8,05	1,41	3.557	SI..66C36B180 - WUDA112MT-H-4G IE2	179,42	0	38000	235,00	M36-M45
8,21	1,43	3.489	SI..66C180 - WUDA112MT-H-4G IE2	176,00	0	38000	200,0	M36-M45
7,20	1,26	3.979	SI..66C36B200 - WUDA112MT-H-4G IE2	200,69	0	38000	235,00	M36-M45
7,45	1,30	3.843	SI..66C200 - WUDA112MT-H-4G IE2	193,85	0	38000	200,0	M36-M45
7,43	2,34	3.854	SI..76C36B200 - WUDA112MT-H-4G IE2	194,40	0	52500	330,00	M46-M54
6,67	1,16	4.296	SI..66C36B224 - WUDA112MT-H-4G IE2	216,68	0	38000	235,00	M36-M45
6,71	1,17	4.268	SI..66C224 - WUDA112MT-H-4G IE2	215,26	0	38000	200,0	M36-M45
6,40	2,01	4.474	SI..76C36B224 - WUDA112MT-H-4G IE2	225,66	0	52500	330,00	M46-M54
5,92	1,03	4.838	SI..66C36B250 - WUDA112MT-H-4G IE2	244,01	0	38000	235,00	M36-M45
5,72	1,80	5.009	SI..76C36B250 - WUDA112MT-H-4G IE2	252,66	0	52500	330,00	M46-M54



P 3,00 kW

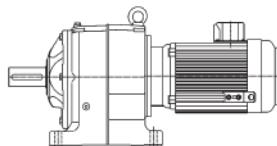
n₁ 1445 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
5,65	2,96	5.067	SI..86C36B250 - WUDA112MT-H-4G IE2	255,59	0	82000	500,00	M55-M63
5,10	0,89	5.615	SI..66C36B280 - WUDA112MT-H-4G IE2	283,24	0	38000	235,00	M36-M45
5,00	1,57	5.735	SI..76C36B280 - WUDA112MT-H-4G IE2	289,28	0	52500	330,00	M46-M54
5,15	2,70	5.560	SI..86C36B280 - WUDA112MT-H-4G IE2	280,43	0	82000	500,00	M55-M63
4,55	1,43	6.292	SI..76C36B315 - WUDA112MT-H-4G IE2	317,39	0	52500	330,00	M46-M54
4,46	2,34	6.421	SI..86C36B315 - WUDA112MT-H-4G IE2	323,90	0	82000	500,00	M55-M63
3,94	1,24	7.268	SI..76C36B355 - WUDA112MT-H-4G IE2	366,58	0	52500	330,00	M46-M54
4,04	2,11	7.099	SI..86C36B355 - WUDA112MT-H-4G IE2	358,05	0	82000	500,00	M55-M63
4,04	2,11	7.099	SI..86C36B355 - WUDA112MT-H-4G IE2	358,05	0	82000	500,00	M55-M63
3,57	1,12	8.034	SI..76C36B400 - WUDA112MT-H-4G IE2	405,24	0	52500	330,00	M46-M54
3,57	1,12	8.034	SI..76C36B400 - WUDA112MT-H-4G IE2	405,24	0	52500	330,00	M46-M54
3,64	1,90	7.880	SI..86C36B400 - WUDA112MT-H-4G IE2	397,46	0	82000	500,00	M55-M63
3,21	1,01	8.918	SI..76C36B450 - WUDA112MT-H-4G IE2	449,84	0	52500	330,00	M46-M54
3,24	1,69	8.855	SI..86C36B450 - WUDA112MT-H-4G IE2	446,64	0	82000	500,00	M55-M63
3,11	2,72	9.200	SI..96C36B450 - WUDA112MT-H-4G IE2	464,07	0	105000	710,00	M64-M72
2,93	0,92	9.789	SI..76C36B500 - WUDA112MT-H-4G IE2	493,78	0	52500	330,00	M46-M54
2,90	1,52	9.868	SI..86C36B500 - WUDA112MT-H-4G IE2	497,77	0	82000	500,00	M55-M63
2,82	2,46	10.170	SI..96C36B500 - WUDA112MT-H-4G IE2	513,00	0	105000	710,00	M64-M72
2,82	2,46	10.170	SI..96C36B500 - WUDA112MT-H-4G IE2	513,00	0	105000	710,00	M64-M72
2,58	1,35	11.090	SI..86C36B560 - WUDA112MT-H-4G IE2	559,36	0	82000	500,00	M55-M63
2,54	2,21	11.290	SI..96C36B560 - WUDA112MT-H-4G IE2	569,46	0	105000	710,00	M64-M72
2,37	1,24	12.070	SI..86C36B630 - WUDA112MT-H-4G IE2	608,83	0	82000	500,00	M55-M63
2,37	2,07	12.092	SI..96C36B630 - WUDA112MT-H-4G IE2	609,91	0	105000	710,00	M64-M72
2,10	1,10	13.670	SI..86C36B710 - WUDA112MT-H-4G IE2	689,53	0	82000	500,00	M55-M63
2,03	1,77	14.139	SI..96C36B710 - WUDA112MT-H-4G IE2	713,17	0	105000	710,00	M64-M72
1,86	0,98	15.362	SI..86C36B800 - WUDA112MT-H-4G IE2	774,86	0	82000	500,00	M55-M63
1,84	1,60	15.601	SI..96C36B800 - WUDA112MT-H-4G IE2	786,93	0	105000	710,00	M64-M72
1,66	0,87	17.255	SI..86C36B900 - WUDA112MT-H-4G IE2	870,34	0	82000	500,00	M55-M63
1,66	1,45	17.294	SI..96C36B900 - WUDA112MT-H-4G IE2	872,30	0	105000	710,00	M64-M72
1,46	1,28	19.586	SI..96C36B1000 - WUDA112MT-H-4G IE2	987,93	0	105000	710,00	M64-M72
1,33	1,16	21.612	SI..96C36B1120 - WUDA112MT-H-4G IE2	1.090,09	0	105000	710,00	M64-M72
1,16	1,01	24.722	SI..96C36B1250 - WUDA112MT-H-4G IE2	1.246,98	0	105000	710,00	M64-M72
1,05	0,92	27.298	SI..96C36B1400 - WUDA112MT-H-4G IE2	1.376,90	0	105000	710,00	M64-M72

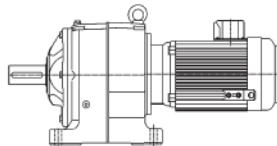
P 4,00 kW

n₁ 1460 min⁻¹

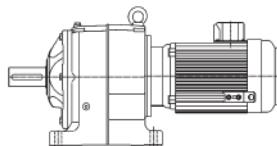
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
524,10	1,85	73	SI..26B2,8 - WUDA132SR-H-4G IE2	2,79	0	3400	73,0	M06-M11
470,05	1,85	81	SI..26B3,15 - WUDA132SR-H-4G IE2	3,11	0	3500	73,0	M06-M11
398,18	1,88	96	SI..26B3,55 - WUDA132SR-H-4G IE2	3,67	0	3600	73,0	M06-M11
355,48	1,72	107	SI..26B4 - WUDA132SR-H-4G IE2	4,11	0	3700	73,0	M06-M11
316,33	1,53	121	SI..26B4,5 - WUDA132SR-H-4G IE2	4,62	0	3700	73,0	M06-M11
297,96	1,44	128	SI..26B5 - WUDA132SR-H-4G IE2	4,90	0	3800	73,0	M06-M11
266,90	1,82	143	SI..26B5,6 - WUDA132SR-H-4G IE2	5,47	0	4000	73,0	M06-M11
239,38	1,72	160	SI..26B6,3 - WUDA132SR-H-4G IE2	6,10	0	4100	73,0	M06-M11
202,78	1,54	188	SI..26B7,1 - WUDA132SR-H-4G IE2	7,20	0	4200	73,0	M06-M11
181,03	1,45	211	SI..26B8 - WUDA132SR-H-4G IE2	8,06	0	4300	73,0	M06-M11
179,19	2,86	213	SI..36B8 - WUDA132SR-H-4G IE2	8,15	0	9700	93,0	M12-M19



P 4,00 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
161,10	1,36	237	SI..26B9 - WUDA132SR-H-4G IE2	9,06	0	4300	73,0	M06-M11
163,32	2,76	234	SI..36B9 - WUDA132SR-H-4G IE2	8,94	0	10000	93,0	M12-M19
151,74	1,35	252	SI..26B10 - WUDA132SR-H-4G IE2	9,62	0	4300	73,0	M06-M11
141,40	2,52	270	SI..36B10 - WUDA132SR-H-4G IE2	10,33	0	10300	93,0	M12-M19
125,83	1,19	304	SI..26B11,2 - WUDA132SR-H-4G IE2	11,60	0	4400	73,0	M06-M11
127,92	2,41	299	SI..36B11,2 - WUDA132SR-H-4G IE2	11,41	0	10600	93,0	M12-M19
117,84	1,11	324	SI..26B12,5 - WUDA132SR-H-4G IE2	12,39	0	4400	73,0	M06-M11
115,23	2,17	331	SI..36B12,5 - WUDA132SR-H-4G IE2	12,67	0	10900	93,0	M12-M19
102,74	0,97	372	SI..26B14 - WUDA132SR-H-4G IE2	14,21	0	4400	73,0	M06-M11
107,59	2,03	355	SI..36B14 - WUDA132SR-H-4G IE2	13,57	0	11000	93,0	M12-M19
92,78	1,63	412	SI..36C16 - WUDA132SR-H-4G IE2	15,74	0	11000	93,0	M12-M19
92,01	1,73	415	SI..36B16 - WUDA132SR-H-4G IE2	15,87	0	11000	93,0	M12-M19
79,93	1,44	478	SI..36C18 - WUDA132SR-H-4G IE2	18,27	0	11000	93,0	M12-M19
85,42	1,61	447	SI..36B18 - WUDA132SR-H-4G IE2	17,09	0	11000	93,0	M12-M19
71,39	1,35	535	SI..36C20 - WUDA132SR-H-4G IE2	20,45	0	11000	93,0	M12-M19
75,23	1,42	508	SI..36B20 - WUDA132SR-H-4G IE2	19,41	0	11000	93,0	M12-M19
70,25	2,57	544	SI..46B20 - WUDA132SR-H-4G IE2	20,78	0	18000	112,0	M20-M27
80,25	2,73	476	SI..46C20 - WUDA132SR-H-4G IE2	18,19	0	17400	112,0	M20-M27
62,35	1,23	613	SI..36C22,4 - WUDA132SR-H-4G IE2	23,42	0	11000	93,0	M12-M19
66,42	1,25	575	SI..36B22,4 - WUDA132SR-H-4G IE2	21,98	0	11000	93,0	M12-M19
65,64	2,41	582	SI..46B22,4 - WUDA132SR-H-4G IE2	22,24	0	18300	112,0	M20-M27
71,56	2,62	534	SI..46C22,4 - WUDA132SR-H-4G IE2	20,40	0	17900	112,0	M20-M27
60,91	1,15	627	SI..36B25 - WUDA132SR-H-4G IE2	23,97	0	11000	93,0	M12-M19
56,83	1,16	672	SI..36C25 - WUDA132SR-H-4G IE2	25,69	0	11000	93,0	M12-M19
58,77	2,15	650	SI..46B25 - WUDA132SR-H-4G IE2	24,84	0	18800	112,0	M20-M27
62,17	2,28	614	SI..46C25 - WUDA132SR-H-4G IE2	23,48	0	18600	112,0	M20-M27
52,62	0,99	726	SI..36B28 - WUDA132SR-H-4G IE2	27,74	0	11000	93,0	M12-M19
49,20	1,03	776	SI..36C28 - WUDA132SR-H-4G IE2	29,67	0	11000	93,0	M12-M19
51,51	1,89	742	SI..46B28 - WUDA132SR-H-4G IE2	28,34	0	19400	112,0	M20-M27
54,84	2,15	697	SI..46C28 - WUDA132SR-H-4G IE2	26,62	0	19100	112,0	M20-M27
47,66	0,90	801	SI..36B31,5 - WUDA132SR-H-4G IE2	30,63	0	11000	93,0	M12-M19
44,51	0,96	858	SI..36C31,5 - WUDA132SR-H-4G IE2	32,80	0	11000	93,0	M12-M19
47,51	1,74	804	SI..46B31,5 - WUDA132SR-H-4G IE2	30,73	0	19800	112,0	M20-M27
48,76	2,04	783	SI..46C31,5 - WUDA132SR-H-4G IE2	29,94	0	19700	112,0	M20-M27
40,10	0,86	953	SI..36C35,5 - WUDA132SR-H-4G IE2	36,41	0	11000	93,0	M12-M19
41,16	1,51	928	SI..46B35,5 - WUDA132SR-H-4G IE2	35,47	0	20400	112,0	M20-M27
42,52	1,78	898	SI..46C35,5 - WUDA132SR-H-4G IE2	34,34	0	20300	112,0	M20-M27
40,62	2,55	940	SI..56B35,5 - WUDA132SR-H-4G IE2	35,94	0	21500	153,0	M28-M35
37,48	1,37	1.019	SI..46B40 - WUDA132SR-H-4G IE2	38,96	0	20800	112,0	M20-M27
38,53	1,61	991	SI..46C40 - WUDA132SR-H-4G IE2	37,89	0	20700	112,0	M20-M27
36,42	2,29	1.049	SI..56B40 - WUDA132SR-H-4G IE2	40,09	0	22000	153,0	M28-M35
38,09	2,79	1.003	SI..56C40 - WUDA132SR-H-4G IE2	38,33	0	21800	153,0	M28-M35
31,41	1,15	1.216	SI..46B45 - WUDA132SR-H-4G IE2	46,48	0	21000	112,0	M20-M27
35,02	1,47	1.091	SI..46C45 - WUDA132SR-H-4G IE2	41,69	0	21000	112,0	M20-M27
32,75	2,06	1.166	SI..56B45 - WUDA132SR-H-4G IE2	44,58	0	22600	153,0	M28-M35
33,46	2,45	1.141	SI..56C45 - WUDA132SR-H-4G IE2	43,63	0	22500	153,0	M28-M35
28,01	1,03	1.364	SI..46B50 - WUDA132SR-H-4G IE2	52,12	0	21000	112,0	M20-M27
31,09	1,30	1.229	SI..46C50 - WUDA132SR-H-4G IE2	46,97	0	21000	112,0	M20-M27
31,00	2,27	1.232	SI..56C50 - WUDA132SR-H-4G IE2	47,10	0	22800	153,0	M28-M35
28,02	1,17	1.363	SI..46C56 - WUDA132SR-H-4G IE2	52,10	0	21000	112,0	M20-M27
27,96	2,05	1.366	SI..56C56 - WUDA132SR-H-4G IE2	52,21	0	23300	153,0	M28-M35



P 4,00 kW	n ₁ 1460 min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
27,13	2,63	1.408	SI..66B56 - WUDA132SR-H-4G IE2	53,82	0	38000	210,0	M36-M45	
24,47	1,02	1.561	SI..46C63 - WUDA132SR-H-4G IE2	59,67	0	21000	112,0	M20-M27	
24,30	1,78	1.572	SI..56C63 - WUDA132SR-H-4G IE2	60,09	0	24000	153,0	M28-M35	
20,84	0,87	1.833	SI..46C71 - WUDA132SR-H-4G IE2	70,07	0	21000	112,0	M20-M27	
21,54	1,58	1.773	SI..56C71 - WUDA132SR-H-4G IE2	67,77	0	24500	153,0	M28-M35	
19,97	2,61	1.913	SI..66C71 - WUDA132SR-H-4G IE2	73,11	0	38000	210,0	M36-M45	
18,92	1,39	2.019	SI..56C80 - WUDA132SR-H-4G IE2	77,16	0	25000	153,0	M28-M35	
17,97	2,35	2.125	SI..66C80 - WUDA132SR-H-4G IE2	81,23	0	38000	210,0	M36-M45	
17,25	1,26	2.215	SI..56C90 - WUDA132SR-H-4G IE2	84,66	0	25400	153,0	M28-M35	
16,83	2,20	2.270	SI..66C90 - WUDA132SR-H-4G IE2	86,77	0	38000	210,0	M36-M45	
15,04	1,10	2.539	SI..56C100 - WUDA132SR-H-4G IE2	97,06	0	25500	153,0	M28-M35	
15,14	1,98	2.524	SI..66C100 - WUDA132SR-H-4G IE2	96,46	0	38000	210,0	M36-M45	
13,88	1,02	2.752	SI..56C112 - WUDA132SR-H-4G IE2	105,19	0	25500	153,0	M28-M35	
13,34	1,75	2.863	SI..66C112 - WUDA132SR-H-4G IE2	109,44	0	38000	210,0	M36-M45	
11,76	0,86	3.247	SI..56C125 - WUDA132SR-H-4G IE2	124,11	0	25500	153,0	M28-M35	
12,22	1,60	3.125	SI..66C125 - WUDA132SR-H-4G IE2	119,46	0	38000	210,0	M36-M45	
12,14	2,86	3.146	SI..76C125 - WUDA132SR-H-4G IE2	120,26	0	52500	305,0	M46-M54	
10,68	1,40	3.577	SI..66C140 - WUDA132SR-H-4G IE2	136,74	0	38000	210,0	M36-M45	
10,28	2,42	3.714	SI..76C140 - WUDA132SR-H-4G IE2	141,97	0	52500	305,0	M46-M54	
9,41	1,23	4.061	SI..66C36B160 - WUDA132SR-H-4G IE2	155,21	0	38000	245,00	M36-M45	
9,77	1,28	3.909	SI..66C160 - WUDA132SR-H-4G IE2	149,41	0	38000	210,0	M36-M45	
9,32	2,20	4.100	SI..76C160 - WUDA132SR-H-4G IE2	156,70	0	52500	305,0	M46-M54	
8,14	1,07	4.694	SI..66C36B180 - WUDA132SR-H-4G IE2	179,42	0	38000	245,00	M36-M45	
8,30	1,09	4.605	SI..66C180 - WUDA132SR-H-4G IE2	176,00	0	38000	210,0	M36-M45	
8,37	1,97	4.562	SI..76C180 - WUDA132SR-H-4G IE2	174,37	0	52500	305,0	M46-M54	
7,27	0,95	5.250	SI..66C36B200 - WUDA132SR-H-4G IE2	200,69	0	38000	245,00	M36-M45	
7,53	0,99	5.071	SI..66C200 - WUDA132SR-H-4G IE2	193,85	0	38000	210,0	M36-M45	
7,51	1,77	5.086	SI..76C36B200 - WUDA132SR-H-4G IE2	194,40	0	52500	340,00	M46-M54	
7,32	2,88	5.216	SI..86C36B200 - WUDA132SR-H-4G IE2	199,38	0	82000	510,00	M55-M63	
6,74	0,88	5.669	SI..66C36B224 - WUDA132SR-H-4G IE2	216,68	0	38000	245,00	M36-M45	
6,78	0,89	5.632	SI..66C224 - WUDA132SR-H-4G IE2	215,26	0	38000	210,0	M36-M45	
6,47	1,52	5.904	SI..76C36B224 - WUDA132SR-H-4G IE2	225,66	0	52500	340,00	M46-M54	
6,54	2,57	5.840	SI..86C36B224 - WUDA132SR-H-4G IE2	223,24	0	82000	510,00	M55-M63	
5,78	1,36	6.610	SI..76C36B250 - WUDA132SR-H-4G IE2	252,66	0	52500	340,00	M46-M54	
5,71	2,24	6.687	SI..86C36B250 - WUDA132SR-H-4G IE2	255,59	0	82000	510,00	M55-M63	
5,05	1,19	7.568	SI..76C36B280 - WUDA132SR-H-4G IE2	289,28	0	52500	340,00	M46-M54	
5,21	2,04	7.337	SI..86C36B280 - WUDA132SR-H-4G IE2	280,43	0	82000	510,00	M55-M63	
4,60	1,08	8.304	SI..76C36B315 - WUDA132SR-H-4G IE2	317,39	0	52500	340,00	M46-M54	
4,51	1,77	8.474	SI..86C36B315 - WUDA132SR-H-4G IE2	323,90	0	82000	510,00	M55-M63	
4,56	2,99	8.368	SI..96C36B315 - WUDA132SR-H-4G IE2	319,84	0	105000	720,00	M64-M72	
3,98	0,94	9.591	SI..76C36B355 - WUDA132SR-H-4G IE2	366,58	0	52500	340,00	M46-M54	
4,08	1,60	9.367	SI..86C36B355 - WUDA132SR-H-4G IE2	358,05	0	82000	510,00	M55-M63	
4,08	1,60	9.367	SI..86C36B355 - WUDA132SR-H-4G IE2	358,05	0	82000	510,00	M55-M63	
3,99	2,61	9.581	SI..96C36B355 - WUDA132SR-H-4G IE2	366,20	0	105000	720,00	M64-M72	
3,67	1,44	10.398	SI..86C36B400 - WUDA132SR-H-4G IE2	397,46	0	82000	510,00	M55-M63	
3,63	2,38	10.512	SI..96C36B400 - WUDA132SR-H-4G IE2	401,79	0	105000	720,00	M64-M72	
3,27	1,28	11.685	SI..86C36B450 - WUDA132SR-H-4G IE2	446,64	0	82000	510,00	M55-M63	
3,15	2,06	12.141	SI..96C36B450 - WUDA132SR-H-4G IE2	464,07	0	105000	720,00	M64-M72	
2,93	1,15	13.023	SI..86C36B500 - WUDA132SR-H-4G IE2	497,77	0	82000	510,00	M55-M63	
2,85	1,86	13.421	SI..96C36B500 - WUDA132SR-H-4G IE2	513,00	0	105000	720,00	M64-M72	
2,85	1,86	13.421	SI..96C36B500 - WUDA132SR-H-4G IE2	513,00	0	105000	720,00	M64-M72	

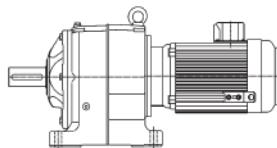


P 4,00 kW
n₁ 1460 min⁻¹

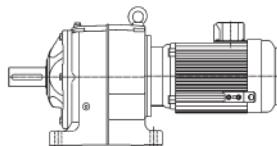
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
2,61	1,02	14.634	SI..86C36B560 - WUDA132SR-H-4G IE2	559,36	0	82000	510,00	M55-M63
2,56	1,68	14.898	SI..96C36B560 - WUDA132SR-H-4G IE2	569,46	0	105000	720,00	M64-M72
2,40	0,94	15.929	SI..86C36B630 - WUDA132SR-H-4G IE2	608,83	0	82000	510,00	M55-M63
2,39	1,57	15.957	SI..96C36B630 - WUDA132SR-H-4G IE2	609,91	0	105000	720,00	M64-M72
2,05	1,34	18.658	SI..96C36B710 - WUDA132SR-H-4G IE2	713,17	0	105000	720,00	M64-M72
1,86	1,21	20.588	SI..96C36B800 - WUDA132SR-H-4G IE2	786,93	0	105000	720,00	M64-M72
1,67	1,10	22.822	SI..96C36B900 - WUDA132SR-H-4G IE2	872,30	0	105000	720,00	M64-M72
1,48	0,97	25.847	SI..96C36B1000 - WUDA132SR-H-4G IE2	987,93	0	105000	720,00	M64-M72
1,34	0,88	28.519	SI..96C36B1120 - WUDA132SR-H-4G IE2	1.090,09	0	105000	720,00	M64-M72

P 5,50 kW
n₁ 1455 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
522,31	1,34	101	SI..26B2,8 - WUDA132STX-H-4G IE2	2,79	0	3200	76,0	M06-M11
522,61	2,49	100	SI..36B2,8 - WUDA132STX-H-4G IE2	2,78	0	6900	96,0	M12-M19
468,44	1,34	112	SI..26B3,15 - WUDA132STX-H-4G IE2	3,11	0	3200	76,0	M06-M11
450,23	2,49	117	SI..36B3,15 - WUDA132STX-H-4G IE2	3,23	0	7200	96,0	M12-M19
396,82	1,36	132	SI..26B3,55 - WUDA132STX-H-4G IE2	3,67	0	3300	76,0	M06-M11
402,11	2,49	131	SI..36B3,55 - WUDA132STX-H-4G IE2	3,62	0	7400	96,0	M12-M19
354,26	1,25	148	SI..26B4 - WUDA132STX-H-4G IE2	4,11	0	3300	76,0	M06-M11
351,21	2,47	150	SI..36B4 - WUDA132STX-H-4G IE2	4,14	0	7700	96,0	M12-M19
315,25	1,11	167	SI..26B4,5 - WUDA132STX-H-4G IE2	4,62	0	3400	76,0	M06-M11
320,10	2,47	164	SI..36B4,5 - WUDA132STX-H-4G IE2	4,55	0	7900	96,0	M12-M19
296,94	1,05	177	SI..26B5 - WUDA132STX-H-4G IE2	4,90	0	3400	76,0	M06-M11
277,14	2,48	190	SI..36B5 - WUDA132STX-H-4G IE2	5,25	0	8200	96,0	M12-M19
265,99	1,32	197	SI..26B5,6 - WUDA132STX-H-4G IE2	5,47	0	3700	76,0	M06-M11
265,74	2,63	198	SI..36B5,6 - WUDA132STX-H-4G IE2	5,48	0	8400	96,0	M12-M19
238,56	1,25	220	SI..26B6,3 - WUDA132STX-H-4G IE2	6,10	0	3700	76,0	M06-M11
228,93	2,40	229	SI..36B6,3 - WUDA132STX-H-4G IE2	6,36	0	8800	96,0	M12-M19
202,08	1,12	260	SI..26B7,1 - WUDA132STX-H-4G IE2	7,20	0	3800	76,0	M06-M11
204,46	2,26	257	SI..36B7,1 - WUDA132STX-H-4G IE2	7,12	0	9000	96,0	M12-M19
180,41	1,05	291	SI..26B8 - WUDA132STX-H-4G IE2	8,06	0	3800	76,0	M06-M11
178,58	2,07	294	SI..36B8 - WUDA132STX-H-4G IE2	8,15	0	9300	96,0	M12-M19
160,54	0,99	327	SI..26B9 - WUDA132STX-H-4G IE2	9,06	0	3800	76,0	M06-M11
162,76	2,00	323	SI..36B9 - WUDA132STX-H-4G IE2	8,94	0	9500	96,0	M12-M19
151,22	0,98	347	SI..26B10 - WUDA132STX-H-4G IE2	9,62	0	3800	76,0	M06-M11
140,92	1,82	373	SI..36B10 - WUDA132STX-H-4G IE2	10,33	0	9800	96,0	M12-M19
125,40	0,86	419	SI..26B11,2 - WUDA132STX-H-4G IE2	11,60	0	3700	76,0	M06-M11
127,48	1,75	412	SI..36B11,2 - WUDA132STX-H-4G IE2	11,41	0	10000	96,0	M12-M19
114,84	1,57	457	SI..36B12,5 - WUDA132STX-H-4G IE2	12,67	0	10200	96,0	M12-M19
117,66	2,91	446	SI..46B12,5 - WUDA132STX-H-4G IE2	12,37	0	15100	115,0	M20-M27
107,22	1,47	490	SI..36B14 - WUDA132STX-H-4G IE2	13,57	0	10400	96,0	M12-M19
104,45	2,78	503	SI..46B14 - WUDA132STX-H-4G IE2	13,93	0	15600	115,0	M20-M27
92,46	1,18	568	SI..36C16 - WUDA132STX-H-4G IE2	15,74	0	10700	96,0	M12-M19
91,70	1,26	573	SI..36B16 - WUDA132STX-H-4G IE2	15,87	0	10700	96,0	M12-M19
94,16	2,51	558	SI..46B16 - WUDA132STX-H-4G IE2	15,45	0	16000	115,0	M20-M27
79,66	1,05	659	SI..36C18 - WUDA132STX-H-4G IE2	18,27	0	10900	96,0	M12-M19
85,13	1,17	617	SI..36B18 - WUDA132STX-H-4G IE2	17,09	0	10800	96,0	M12-M19



P 5,50 kW n ₁ 1455 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _N N	F _{rN-G} N	m kg	
82,20	2,19	639	SI..46B18 - WUDA132STX-H-4G IE2	17,70	0	16500	115,0	M06-M11
71,14	0,98	738	SI..36C20 - WUDA132STX-H-4G IE2	20,45	0	11000	96,0	M01-M05
74,97	1,03	701	SI..36B20 - WUDA132STX-H-4G IE2	19,41	0	11000	96,0	M06-M11
70,01	1,87	750	SI..46B20 - WUDA132STX-H-4G IE2	20,78	0	17100	115,0	M06-M11
79,97	1,98	657	SI..46C20 - WUDA132STX-H-4G IE2	18,19	0	16600	115,0	M12-M19
62,14	0,89	845	SI..36C22,4 - WUDA132STX-H-4G IE2	23,42	0	11000	96,0	M06-M11
66,20	0,91	793	SI..36B22,4 - WUDA132STX-H-4G IE2	21,98	0	11000	96,0	M06-M11
65,42	1,74	803	SI..46B22,4 - WUDA132STX-H-4G IE2	22,24	0	17400	115,0	M12-M19
71,32	1,90	736	SI..46C22,4 - WUDA132STX-H-4G IE2	20,40	0	17100	115,0	M12-M19
67,12	2,94	783	SI..56C22,4 - WUDA132STX-H-4G IE2	21,68	0	18100	156,0	M06-M11
65,11	2,98	807	SI..56B22,4 - WUDA132STX-H-4G IE2	22,35	0	18300	156,0	M06-M11
58,57	1,56	897	SI..46B25 - WUDA132STX-H-4G IE2	24,84	0	17800	115,0	M12-M19
61,96	1,65	848	SI..46C25 - WUDA132STX-H-4G IE2	23,48	0	17600	115,0	M12-M19
59,35	2,71	885	SI..56B25 - WUDA132STX-H-4G IE2	24,52	0	18600	156,0	M06-M11
59,41	2,71	884	SI..56C25 - WUDA132STX-H-4G IE2	24,49	0	18600	156,0	M06-M11
51,34	1,37	1.023	SI..46B28 - WUDA132STX-H-4G IE2	28,34	0	18300	115,0	M12-M19
54,65	1,56	961	SI..46C28 - WUDA132STX-H-4G IE2	26,62	0	18100	115,0	M12-M19
51,77	2,37	1.015	SI..56B28 - WUDA132STX-H-4G IE2	28,11	0	19200	156,0	M06-M11
53,82	2,56	976	SI..56C28 - WUDA132STX-H-4G IE2	27,03	0	19100	156,0	M06-M11
47,35	1,26	1.109	SI..46B31,5 - WUDA132STX-H-4G IE2	30,73	0	18500	115,0	M12-M19
48,59	1,48	1.081	SI..46C31,5 - WUDA132STX-H-4G IE2	29,94	0	18500	115,0	M12-M19
47,77	2,18	1.100	SI..56B31,5 - WUDA132STX-H-4G IE2	30,46	0	19600	156,0	M06-M11
47,43	2,35	1.107	SI..56C31,5 - WUDA132STX-H-4G IE2	30,68	0	19600	156,0	M06-M11
41,02	1,09	1.280	SI..46B35,5 - WUDA132STX-H-4G IE2	35,47	0	19000	115,0	M12-M19
42,37	1,29	1.239	SI..46C35,5 - WUDA132STX-H-4G IE2	34,34	0	19000	115,0	M12-M19
40,48	1,85	1.297	SI..56B35,5 - WUDA132STX-H-4G IE2	35,94	0	20200	156,0	M06-M11
42,19	2,25	1.245	SI..56C35,5 - WUDA132STX-H-4G IE2	34,48	0	20100	156,0	M12-M19
37,35	1,00	1.406	SI..46B40 - WUDA132STX-H-4G IE2	38,96	0	19300	115,0	M12-M19
38,40	1,17	1.368	SI..46C40 - WUDA132STX-H-4G IE2	37,89	0	19300	115,0	M12-M19
36,29	1,66	1.447	SI..56B40 - WUDA132STX-H-4G IE2	40,09	0	20600	156,0	M12-M19
37,96	2,02	1.383	SI..56C40 - WUDA132STX-H-4G IE2	38,33	0	20500	156,0	M20-M27
34,90	1,06	1.505	SI..46C45 - WUDA132STX-H-4G IE2	41,69	0	19500	115,0	M12-M19
32,63	1,49	1.609	SI..56B45 - WUDA132STX-H-4G IE2	44,58	0	21000	156,0	M12-M19
33,35	1,78	1.575	SI..56C45 - WUDA132STX-H-4G IE2	43,63	0	21000	156,0	M20-M27
33,07	2,58	1.588	SI..66B45 - WUDA132STX-H-4G IE2	44,00	0	38000	213,0	M20-M27
30,98	0,94	1.695	SI..46C50 - WUDA132STX-H-4G IE2	46,97	0	19900	115,0	M12-M19
30,89	1,65	1.700	SI..56C50 - WUDA132STX-H-4G IE2	47,10	0	21200	156,0	M12-M19
30,02	2,29	1.749	SI..66B50 - WUDA132STX-H-4G IE2	48,46	0	38000	213,0	M20-M27
28,83	2,74	1.822	SI..66C50 - WUDA132STX-H-4G IE2	50,46	0	38000	213,0	M20-M27
27,93	0,85	1.881	SI..46C56 - WUDA132STX-H-4G IE2	52,10	0	20100	115,0	M12-M19
27,87	1,49	1.885	SI..56C56 - WUDA132STX-H-4G IE2	52,21	0	21600	156,0	M12-M19
27,04	1,90	1.943	SI..66B56 - WUDA132STX-H-4G IE2	53,82	0	38000	213,0	M20-M27
26,44	2,52	1.986	SI..66C56 - WUDA132STX-H-4G IE2	55,03	0	38000	213,0	M20-M27
24,21	1,29	2.169	SI..56C63 - WUDA132STX-H-4G IE2	60,09	0	22000	156,0	M12-M19
23,06	2,20	2.278	SI..66C63 - WUDA132STX-H-4G IE2	63,10	0	38000	213,0	M20-M27
21,47	1,14	2.446	SI..56C71 - WUDA132STX-H-4G IE2	67,77	0	22200	156,0	M12-M19
19,90	1,89	2.639	SI..66C71 - WUDA132STX-H-4G IE2	73,11	0	38000	213,0	M20-M27
18,86	1,01	2.785	SI..56C80 - WUDA132STX-H-4G IE2	77,16	0	22500	156,0	M20-M27
17,91	1,71	2.932	SI..66C80 - WUDA132STX-H-4G IE2	81,23	0	38000	213,0	M28-M35
17,19	0,92	3.056	SI..56C90 - WUDA132STX-H-4G IE2	84,66	0	22600	156,0	M20-M27
16,77	1,60	3.132	SI..66C90 - WUDA132STX-H-4G IE2	86,77	0	38000	213,0	M28-M35



P 5,50 kW

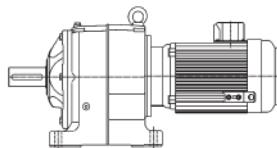
n₁ 1455 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
16,54	2,83	3.175	SI..76C90 - WUDA132STX-H-4G IE2	87,97	0	52500	308,0	M46-M54
15,08	1,44	3.482	SI..66C100 - WUDA132STX-H-4G IE2	96,46	0	38000	213,0	M36-M45
14,34	2,46	3.663	SI..76C100 - WUDA132STX-H-4G IE2	101,47	0	52500	308,0	M46-M54
13,30	1,27	3.950	SI..66C112 - WUDA132STX-H-4G IE2	109,44	0	38000	213,0	M36-M45
13,12	2,25	4.003	SI..76C112 - WUDA132STX-H-4G IE2	110,90	0	52500	308,0	M46-M54
12,18	1,16	4.312	SI..66C125 - WUDA132STX-H-4G IE2	119,46	0	38000	213,0	M36-M45
12,10	2,07	4.341	SI..76C125 - WUDA132STX-H-4G IE2	120,26	0	52500	308,0	M46-M54
10,64	1,01	4.936	SI..66C140 - WUDA132STX-H-4G IE2	136,74	0	38000	213,0	M36-M45
10,25	1,76	5.125	SI..76C140 - WUDA132STX-H-4G IE2	141,97	0	52500	308,0	M46-M54
9,37	0,89	5.602	SI..66C36B160 - WUDA132STX-H-4G IE2	155,21	0	38000	248,00	M36-M45
9,74	0,93	5.393	SI..66C160 - WUDA132STX-H-4G IE2	149,41	0	38000	213,0	M36-M45
9,29	1,59	5.656	SI..76C160 - WUDA132STX-H-4G IE2	156,70	0	52500	308,0	M46-M54
9,27	2,65	5.664	SI..86C36B160 - WUDA132STX-H-4G IE2	156,91	0	82000	513,00	M55-M63
8,34	1,43	6.294	SI..76C180 - WUDA132STX-H-4G IE2	174,37	0	52500	308,0	M46-M54
8,28	2,37	6.342	SI..86C36B180 - WUDA132STX-H-4G IE2	175,69	0	82000	513,00	M55-M63
7,48	1,28	7.017	SI..76C36B200 - WUDA132STX-H-4G IE2	194,40	0	52500	343,00	M46-M54
7,30	2,08	7.197	SI..86C36B200 - WUDA132STX-H-4G IE2	199,38	0	82000	513,00	M55-M63
6,45	1,10	8.145	SI..76C36B224 - WUDA132STX-H-4G IE2	225,66	0	52500	343,00	M46-M54
6,52	1,86	8.058	SI..86C36B224 - WUDA132STX-H-4G IE2	223,24	0	82000	513,00	M55-M63
5,76	0,99	9.120	SI..76C36B250 - WUDA132STX-H-4G IE2	252,66	0	52500	343,00	M46-M54
5,69	1,63	9.226	SI..86C36B250 - WUDA132STX-H-4G IE2	255,59	0	82000	513,00	M55-M63
5,91	2,81	8.883	SI..96C36B250 - WUDA132STX-H-4G IE2	246,10	0	105000	723,00	M64-M72
5,03	0,86	10.442	SI..76C36B280 - WUDA132STX-H-4G IE2	289,28	0	52500	343,00	M46-M54
5,19	1,48	10.123	SI..86C36B280 - WUDA132STX-H-4G IE2	280,43	0	82000	513,00	M55-M63
5,09	2,42	10.312	SI..96C36B280 - WUDA132STX-H-4G IE2	285,66	0	105000	723,00	M64-M72
4,49	1,28	11.692	SI..86C36B315 - WUDA132STX-H-4G IE2	323,90	0	82000	513,00	M55-M63
4,55	2,17	11.545	SI..96C36B315 - WUDA132STX-H-4G IE2	319,84	0	105000	723,00	M64-M72
4,06	1,16	12.925	SI..86C36B355 - WUDA132STX-H-4G IE2	358,05	0	82000	513,00	M55-M63
4,06	1,16	12.925	SI..86C36B355 - WUDA132STX-H-4G IE2	358,05	0	82000	513,00	M55-M63
3,97	1,89	13.219	SI..96C36B355 - WUDA132STX-H-4G IE2	366,20	0	105000	723,00	M64-M72
3,66	1,05	14.347	SI..86C36B400 - WUDA132STX-H-4G IE2	397,46	0	82000	513,00	M55-M63
3,62	1,72	14.503	SI..96C36B400 - WUDA132STX-H-4G IE2	401,79	0	105000	723,00	M64-M72
3,26	0,93	16.122	SI..86C36B450 - WUDA132STX-H-4G IE2	446,64	0	82000	513,00	M55-M63
3,14	1,49	16.751	SI..96C36B450 - WUDA132STX-H-4G IE2	464,07	0	105000	723,00	M64-M72
2,84	1,35	18.518	SI..96C36B500 - WUDA132STX-H-4G IE2	513,00	0	105000	723,00	M64-M72
2,84	1,35	18.518	SI..96C36B500 - WUDA132STX-H-4G IE2	513,00	0	105000	723,00	M64-M72
2,56	1,22	20.556	SI..96C36B560 - WUDA132STX-H-4G IE2	569,46	0	105000	723,00	M64-M72
2,39	1,14	22.016	SI..96C36B630 - WUDA132STX-H-4G IE2	609,91	0	105000	723,00	M64-M72
2,04	0,97	25.743	SI..96C36B710 - WUDA132STX-H-4G IE2	713,17	0	105000	723,00	M64-M72
1,85	0,88	28.406	SI..96C36B800 - WUDA132STX-H-4G IE2	786,93	0	105000	723,00	M64-M72

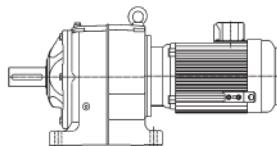
P 7,50 kW

n₁ 1460 min⁻¹

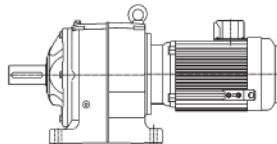
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
524,10	0,99	137	SI..26B2,8 - WUDA132MVX-H-4G IE2	2,79	0	2900	85,0	M06-M11
524,41	1,83	137	SI..36B2,8 - WUDA132MVX-H-4G IE2	2,78	0	6700	105,0	M12-M19
520,52	2,73	138	SI..46B2,8 - WUDA132MVX-H-4G IE2	2,80	0	9600	124,0	M20-M27
470,05	0,98	152	SI..26B3,15 - WUDA132MVX-H-4G IE2	3,11	0	2900	85,0	M06-M11



P 7,50 kW	n ₁ 1460 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
451,77	1,83	159	SI..36B3,15 - WUDA132MVX-H-4G IE2		3,23	0	7000	105,0	M06-M11	
464,18	2,72	154	SI..46B3,15 - WUDA132MVX-H-4G IE2		3,15	0	9900	124,0	M01-M05	
398,18	1,00	180	SI..26B3,55 - WUDA132MVX-H-4G IE2		3,67	0	2900	85,0	M06-M11	
403,49	1,83	178	SI..36B3,55 - WUDA132MVX-H-4G IE2		3,62	0	7200	105,0	M06-M11	
403,27	2,73	178	SI..46B3,55 - WUDA132MVX-H-4G IE2		3,62	0	10300	124,0	M12-M19	
355,48	0,92	201	SI..26B4 - WUDA132MVX-H-4G IE2		4,11	0	2900	85,0	M06-M11	
352,41	1,82	203	SI..36B4 - WUDA132MVX-H-4G IE2		4,14	0	7400	105,0	M06-M11	
355,72	2,73	201	SI..46B4 - WUDA132MVX-H-4G IE2		4,10	0	10700	124,0	M12-M19	
321,20	1,82	223	SI..36B4,5 - WUDA132MVX-H-4G IE2		4,55	0	7500	105,0	M12-M19	
316,26	2,74	226	SI..46B4,5 - WUDA132MVX-H-4G IE2		4,62	0	11000	124,0	M06-M11	
278,10	1,82	258	SI..36B5 - WUDA132MVX-H-4G IE2		5,25	0	7800	105,0	M06-M11	
275,80	2,73	260	SI..46B5 - WUDA132MVX-H-4G IE2		5,29	0	11500	124,0	M12-M19	
266,90	0,97	268	SI..26B5,6 - WUDA132MVX-H-4G IE2		5,47	0	3200	85,0	M12-M19	
266,65	1,94	269	SI..36B5,6 - WUDA132MVX-H-4G IE2		5,48	0	8100	105,0	M06-M11	
239,38	0,92	299	SI..26B6,3 - WUDA132MVX-H-4G IE2		6,10	0	3200	85,0	M06-M11	
229,72	1,76	312	SI..36B6,3 - WUDA132MVX-H-4G IE2		6,36	0	8400	105,0	M12-M19	
205,16	1,66	349	SI..36B7,1 - WUDA132MVX-H-4G IE2		7,12	0	8600	105,0	M12-M19	
209,61	2,87	342	SI..46B7,1 - WUDA132MVX-H-4G IE2		6,97	0	12600	124,0	M06-M11	
179,19	1,53	400	SI..36B8 - WUDA132MVX-H-4G IE2		8,15	0	8800	105,0	M06-M11	
184,89	2,71	387	SI..46B8 - WUDA132MVX-H-4G IE2		7,90	0	13000	124,0	M12-M19	
163,32	1,47	439	SI..36B9 - WUDA132MVX-H-4G IE2		8,94	0	9000	105,0	M12-M19	
164,38	2,59	436	SI..46B9 - WUDA132MVX-H-4G IE2		8,88	0	13400	124,0	M06-M11	
141,40	1,34	506	SI..36B10 - WUDA132MVX-H-4G IE2		10,33	0	9200	105,0	M06-M11	
143,35	2,42	500	SI..46B10 - WUDA132MVX-H-4G IE2		10,18	0	13800	124,0	M12-M19	
127,92	1,29	560	SI..36B11,2 - WUDA132MVX-H-4G IE2		11,41	0	9300	105,0	M12-M19	
129,92	2,36	551	SI..46B11,2 - WUDA132MVX-H-4G IE2		11,24	0	14200	124,0	M06-M11	
115,23	1,16	622	SI..36B12,5 - WUDA132MVX-H-4G IE2		12,67	0	9500	105,0	M12-M19	
118,06	2,14	607	SI..46B12,5 - WUDA132MVX-H-4G IE2		12,37	0	14500	124,0	M12-M19	
107,59	1,08	666	SI..36B14 - WUDA132MVX-H-4G IE2		13,57	0	9500	105,0	M12-M19	
104,81	2,05	683	SI..46B14 - WUDA132MVX-H-4G IE2		13,93	0	14900	124,0	M12-M19	
92,78	0,87	772	SI..36C16 - WUDA132MVX-H-4G IE2		15,74	0	9700	105,0	M20-M27	
92,01	0,93	778	SI..36B16 - WUDA132MVX-H-4G IE2		15,87	0	9700	105,0	M12-M19	
94,48	1,85	758	SI..46B16 - WUDA132MVX-H-4G IE2		15,45	0	15200	124,0	M12-M19	
85,42	0,86	838	SI..36B18 - WUDA132MVX-H-4G IE2		17,09	0	9700	105,0	M20-M27	
82,49	1,61	868	SI..46B18 - WUDA132MVX-H-4G IE2		17,70	0	15600	124,0	M20-M27	
85,53	2,51	837	SI..56C18 - WUDA132MVX-H-4G IE2		17,07	0	16300	165,0	M12-M19	
83,90	2,81	854	SI..56B18 - WUDA132MVX-H-4G IE2		17,40	0	16400	165,0	M12-M19	
70,25	1,37	1.020	SI..46B20 - WUDA132MVX-H-4G IE2		20,78	0	16100	124,0	M20-M27	
80,25	1,46	892	SI..46C20 - WUDA132MVX-H-4G IE2		18,19	0	15700	124,0	M20-M27	
77,55	2,38	924	SI..56C20 - WUDA132MVX-H-4G IE2		18,83	0	16700	165,0	M12-M19	
74,39	2,49	963	SI..56B20 - WUDA132MVX-H-4G IE2		19,63	0	16800	165,0	M12-M19	
65,64	1,28	1.091	SI..46B22,4 - WUDA132MVX-H-4G IE2		22,24	0	16300	124,0	M20-M27	
71,56	1,40	1.001	SI..46C22,4 - WUDA132MVX-H-4G IE2		20,40	0	16100	124,0	M20-M27	
67,35	2,16	1.063	SI..56C22,4 - WUDA132MVX-H-4G IE2		21,68	0	17200	165,0	M12-M19	
65,34	2,19	1.096	SI..56B22,4 - WUDA132MVX-H-4G IE2		22,35	0	17300	165,0	M20-M27	
58,77	1,15	1.219	SI..46B25 - WUDA132MVX-H-4G IE2		24,84	0	16500	124,0	M12-M19	
62,17	1,22	1.152	SI..46C25 - WUDA132MVX-H-4G IE2		23,48	0	16500	124,0	M20-M27	
59,55	2,00	1.203	SI..56B25 - WUDA132MVX-H-4G IE2		24,52	0	17600	165,0	M20-M27	
59,62	2,00	1.201	SI..56C25 - WUDA132MVX-H-4G IE2		24,49	0	17600	165,0	M28-M35	
51,51	1,01	1.390	SI..46B28 - WUDA132MVX-H-4G IE2		28,34	0	16800	124,0	M20-M27	
54,84	1,15	1.306	SI..46C28 - WUDA132MVX-H-4G IE2		26,62	0	16800	124,0	M28-M35	

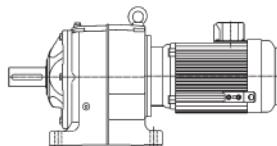


P 7,50 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
51,94	1,74	1.379	SI..56B28 - WUDA132MVX-H-4G IE2	28,11	0	18000	165,0	M20-M27
54,01	1,89	1.326	SI..56C28 - WUDA132MVX-H-4G IE2	27,03	0	17900	165,0	M28-M35
47,51	0,93	1.507	SI..46B31,5 - WUDA132MVX-H-4G IE2	30,73	0	17000	124,0	M20-M27
48,76	1,09	1.469	SI..46C31,5 - WUDA132MVX-H-4G IE2	29,94	0	17000	124,0	M28-M35
47,93	1,61	1.494	SI..56B31,5 - WUDA132MVX-H-4G IE2	30,46	0	18200	165,0	M20-M27
47,59	1,73	1.505	SI..56C31,5 - WUDA132MVX-H-4G IE2	30,68	0	18300	165,0	M28-M35
48,89	2,80	1.465	SI..66B31,5 - WUDA132MVX-H-4G IE2	29,86	0	38000	222,0	M20-M27
42,52	0,95	1.684	SI..46C35,5 - WUDA132MVX-H-4G IE2	34,34	0	17300	124,0	M28-M35
40,62	1,36	1.763	SI..56B35,5 - WUDA132MVX-H-4G IE2	35,94	0	18700	165,0	M28-M35
42,34	1,66	1.692	SI..56C35,5 - WUDA132MVX-H-4G IE2	34,48	0	18600	165,0	M28-M35
42,71	2,44	1.677	SI..66B35,5 - WUDA132MVX-H-4G IE2	34,18	0	38000	222,0	M36-M45
39,83	2,78	1.798	SI..66C35,5 - WUDA132MVX-H-4G IE2	36,65	0	38000	222,0	M28-M35
38,53	0,86	1.859	SI..46C40 - WUDA132MVX-H-4G IE2	37,89	0	17400	124,0	M36-M45
36,42	1,22	1.967	SI..56B40 - WUDA132MVX-H-4G IE2	40,09	0	18900	165,0	M28-M35
38,09	1,49	1.880	SI..56C40 - WUDA132MVX-H-4G IE2	38,33	0	18800	165,0	M36-M45
39,09	2,24	1.832	SI..66B40 - WUDA132MVX-H-4G IE2	37,35	0	38000	222,0	M28-M35
36,89	2,58	1.941	SI..66C40 - WUDA132MVX-H-4G IE2	39,57	0	38000	222,0	M36-M45
32,75	1,10	2.187	SI..56B45 - WUDA132MVX-H-4G IE2	44,58	0	19100	165,0	M46-M54
33,46	1,31	2.140	SI..56C45 - WUDA132MVX-H-4G IE2	43,63	0	19100	165,0	M36-M45
33,18	1,90	2.158	SI..66B45 - WUDA132MVX-H-4G IE2	44,00	0	38000	222,0	M46-M54
32,76	2,29	2.186	SI..66C45 - WUDA132MVX-H-4G IE2	44,56	0	38000	222,0	M36-M45
31,00	1,21	2.311	SI..56C50 - WUDA132MVX-H-4G IE2	47,10	0	19200	165,0	M46-M54
30,13	1,68	2.377	SI..66B50 - WUDA132MVX-H-4G IE2	48,46	0	38000	222,0	M36-M45
28,93	2,02	2.475	SI..66C50 - WUDA132MVX-H-4G IE2	50,46	0	38000	222,0	M46-M54
27,96	1,09	2.561	SI..56C56 - WUDA132MVX-H-4G IE2	52,21	0	19300	165,0	M36-M45
27,13	1,40	2.640	SI..66B56 - WUDA132MVX-H-4G IE2	53,82	0	38000	222,0	M46-M54
26,53	1,85	2.699	SI..66C56 - WUDA132MVX-H-4G IE2	55,03	0	38000	222,0	M55-M63
24,30	0,95	2.948	SI..56C63 - WUDA132MVX-H-4G IE2	60,09	0	19400	165,0	M55-M63
23,14	1,62	3.095	SI..66C63 - WUDA132MVX-H-4G IE2	63,10	0	38000	222,0	M36-M45
23,63	2,97	3.032	SI..76C63 - WUDA132MVX-H-4G IE2	61,80	0	52500	317,0	M46-M54
19,97	1,39	3.586	SI..66C71 - WUDA132MVX-H-4G IE2	73,11	0	38000	222,0	M46-M54
21,09	2,65	3.396	SI..76C71 - WUDA132MVX-H-4G IE2	69,24	0	52500	317,0	M55-M63
17,97	1,25	3.985	SI..66C80 - WUDA132MVX-H-4G IE2	81,23	0	38000	222,0	M46-M54
18,68	2,35	3.834	SI..76C80 - WUDA132MVX-H-4G IE2	78,17	0	52500	317,0	M55-M63
16,83	1,17	4.256	SI..66C90 - WUDA132MVX-H-4G IE2	86,77	0	38000	222,0	M46-M54
16,60	2,09	4.315	SI..76C90 - WUDA132MVX-H-4G IE2	87,97	0	52500	317,0	M55-M63
15,14	1,06	4.732	SI..66C100 - WUDA132MVX-H-4G IE2	96,46	0	38000	222,0	M46-M54
14,39	1,81	4.977	SI..76C100 - WUDA132MVX-H-4G IE2	101,47	0	52500	317,0	M55-M63
13,34	0,93	5.368	SI..66C112 - WUDA132MVX-H-4G IE2	109,44	0	38000	222,0	M64-M72
13,16	1,65	5.440	SI..76C112 - WUDA132MVX-H-4G IE2	110,90	0	52500	317,0	M46-M54
13,18	2,76	5.433	SI..86C112 - WUDA132MVX-H-4G IE2	110,75	0	82000	487,0	M55-M63
12,22	0,85	5.860	SI..66C125 - WUDA132MVX-H-4G IE2	119,46	0	38000	222,0	M64-M72
12,14	1,53	5.899	SI..76C125 - WUDA132MVX-H-4G IE2	120,26	0	52500	317,0	M46-M54
11,82	2,31	6.057	SI..86C36B125 - WUDA132MVX-H-4G IE2	123,47	0	82000	522,00	M55-M63
10,28	1,29	6.964	SI..76C140 - WUDA132MVX-H-4G IE2	141,97	0	52500	317,0	M64-M72
10,80	2,26	6.631	SI..86C36B140 - WUDA132MVX-H-4G IE2	135,18	0	82000	522,00	M55-M63
9,32	1,17	7.687	SI..76C160 - WUDA132MVX-H-4G IE2	156,70	0	52500	317,0	M64-M72
9,30	1,95	7.697	SI..86C36B160 - WUDA132MVX-H-4G IE2	156,91	0	82000	522,00	M55-M63
8,37	1,05	8.554	SI..76C180 - WUDA132MVX-H-4G IE2	174,37	0	52500	317,0	M64-M72
1,47	1,05	14.319	SI..86C36B1000 - WUDA100LS-H-4G IE2	978,04	0	82000	489,00	M55-M63
1,45	1,73	14.463	SI..96C36B1000 - WUDA100LS-H-4G IE2	987,93	0	105000	699,00	M64-M72

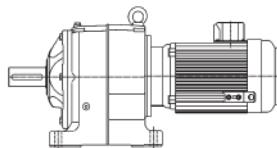


P 7,50 kW n₁ 1460 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
8,31	1,74	8.618	SI..86C36B180 - WUDA132MVX-H-4G IE2	175,69	0	82000	522,00	M55-M63
8,34	2,91	8.589	SI..96C180 - WUDA132MVX-H-4G IE2	175,09	0	105000	697,0	M64-M72
7,51	0,94	9.536	SI..76C36B200 - WUDA132MVX-H-4G IE2	194,40	0	52500	352,00	M46-M54
7,32	1,53	9.780	SI..86C36B200 - WUDA132MVX-H-4G IE2	199,38	0	82000	522,00	M55-M63
7,48	2,30	9.575	SI..96C36B200 - WUDA132MVX-H-4G IE2	195,20	0	105000	732,00	M64-M72
6,54	1,37	10.951	SI..86C36B224 - WUDA132MVX-H-4G IE2	223,24	0	82000	522,00	M55-M63
6,83	2,29	10.483	SI..96C36B224 - WUDA132MVX-H-4G IE2	213,71	0	105000	732,00	M64-M72
5,71	1,20	12.538	SI..86C36B250 - WUDA132MVX-H-4G IE2	255,59	0	82000	522,00	M55-M63
5,93	2,07	12.072	SI..96C36B250 - WUDA132MVX-H-4G IE2	246,10	0	105000	732,00	M64-M72
5,21	1,09	13.756	SI..86C36B280 - WUDA132MVX-H-4G IE2	280,43	0	82000	522,00	M55-M63
5,11	1,78	14.013	SI..96C36B280 - WUDA132MVX-H-4G IE2	285,66	0	105000	732,00	M64-M72
4,51	0,94	15.889	SI..86C36B315 - WUDA132MVX-H-4G IE2	323,90	0	82000	522,00	M55-M63
4,56	1,59	15.690	SI..96C36B315 - WUDA132MVX-H-4G IE2	319,84	0	105000	732,00	M64-M72
4,08	0,85	17.564	SI..86C36B355 - WUDA132MVX-H-4G IE2	358,05	0	82000	522,00	M55-M63
4,08	0,85	17.564	SI..86C36B355 - WUDA132MVX-H-4G IE2	358,05	0	82000	522,00	M55-M63
3,99	1,39	17.964	SI..96C36B355 - WUDA132MVX-H-4G IE2	366,20	0	105000	732,00	M64-M72
3,63	1,27	19.710	SI..96C36B400 - WUDA132MVX-H-4G IE2	401,79	0	105000	732,00	M64-M72
3,15	1,10	22.765	SI..96C36B450 - WUDA132MVX-H-4G IE2	464,07	0	105000	732,00	M64-M72
2,85	0,99	25.165	SI..96C36B500 - WUDA132MVX-H-4G IE2	513,00	0	105000	732,00	M64-M72
2,85	0,99	25.165	SI..96C36B500 - WUDA132MVX-H-4G IE2	513,00	0	105000	732,00	M64-M72
2,56	0,89	27.934	SI..96C36B560 - WUDA132MVX-H-4G IE2	569,46	0	105000	732,00	M64-M72

P 11,00 kW n₁ 1465 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
522,30	1,86	201	SI..46B2,8 - WUDA160MJ-H-4G IE2	2,80	0	9300	182,0	M20-M27
465,77	1,86	226	SI..46B3,15 - WUDA160MJ-H-4G IE2	3,15	0	9600	182,0	M20-M27
404,65	1,87	260	SI..46B3,55 - WUDA160MJ-H-4G IE2	3,62	0	9900	182,0	M20-M27
356,94	1,87	294	SI..46B4 - WUDA160MJ-H-4G IE2	4,10	0	10300	182,0	M20-M27
317,34	1,87	331	SI..46B4,5 - WUDA160MJ-H-4G IE2	4,62	0	10600	182,0	M20-M27
276,75	1,87	380	SI..46B5 - WUDA160MJ-H-4G IE2	5,29	0	10900	182,0	M20-M27
271,48	2,20	387	SI..46B5,6 - WUDA160MJ-H-4G IE2	5,40	0	11200	182,0	M20-M27
242,10	2,10	434	SI..46B6,3 - WUDA160MJ-H-4G IE2	6,05	0	11500	182,0	M20-M27
210,33	1,96	499	SI..46B7,1 - WUDA160MJ-H-4G IE2	6,97	0	11900	182,0	M20-M27
185,53	1,85	566	SI..46B8 - WUDA160MJ-H-4G IE2	7,90	0	12300	182,0	M20-M27
164,95	1,77	637	SI..46B9 - WUDA160MJ-H-4G IE2	8,88	0	12600	182,0	M20-M27
143,85	1,66	730	SI..46B10 - WUDA160MJ-H-4G IE2	10,18	0	12900	182,0	M20-M27
130,36	1,61	806	SI..46B11,2 - WUDA160MJ-H-4G IE2	11,24	0	13200	182,0	M20-M27
118,47	1,47	887	SI..46B12,5 - WUDA160MJ-H-4G IE2	12,37	0	13400	182,0	M20-M27
115,95	2,65	906	SI..56B12,5 - WUDA160MJ-H-4G IE2	12,63	0	14300	223,0	M28-M35
105,16	1,40	999	SI..46B14 - WUDA160MJ-H-4G IE2	13,93	0	13600	182,0	M20-M27
107,40	2,45	978	SI..56B14 - WUDA160MJ-H-4G IE2	13,64	0	14500	223,0	M28-M35
94,81	1,26	1.108	SI..46B16 - WUDA160MJ-H-4G IE2	15,45	0	13800	182,0	M20-M27
96,89	2,21	1.084	SI..56B16 - WUDA160MJ-H-4G IE2	15,12	0	14700	223,0	M28-M35
82,77	1,10	1.269	SI..46B18 - WUDA160MJ-H-4G IE2	17,70	0	14100	182,0	M20-M27
85,83	1,72	1.224	SI..56C18 - WUDA160MJ-H-4G IE2	17,07	0	15000	223,0	M28-M35
84,19	1,92	1.248	SI..56B18 - WUDA160MJ-H-4G IE2	17,40	0	15100	223,0	M28-M35
70,49	0,94	1.490	SI..46B20 - WUDA160MJ-H-4G IE2	20,78	0	14300	182,0	M20-M27

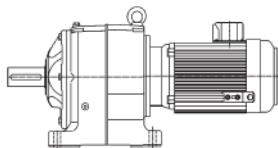


P 11,00 kW n ₁ 1465 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
65,87	0,88	1.595	SI..46B22,4 - WUDA160MJ-H-4G IE2	22,24	0	14300	182,0	M20-M27
71,81	0,96	1.463	SI..46C22,4 - WUDA160MJ-H-4G IE2	20,40	0	14300	182,0	M20-M27
67,58	1,48	1.554	SI..56C22,4 - WUDA160MJ-H-4G IE2	21,68	0	15500	223,0	M28-M35
65,56	1,50	1.602	SI..56B22,4 - WUDA160MJ-H-4G IE2	22,35	0	15600	223,0	M28-M35
67,54	2,64	1.555	SI..66B22,4 - WUDA160MJ-H-4G IE2	21,69	0	38000	281,0	M36-M45
66,13	2,83	1.588	SI..66C22,4 - WUDA160MJ-H-4G IE2	22,15	0	38000	281,0	M36-M45
59,76	1,37	1.758	SI..56B25 - WUDA160MJ-H-4G IE2	24,52	0	15700	223,0	M28-M35
59,82	1,37	1.756	SI..56C25 - WUDA160MJ-H-4G IE2	24,49	0	15700	223,0	M28-M35
60,75	2,37	1.729	SI..66B25 - WUDA160MJ-H-4G IE2	24,12	0	38000	281,0	M36-M45
55,49	2,43	1.893	SI..66C25 - WUDA160MJ-H-4G IE2	26,40	0	38000	281,0	M36-M45
52,12	1,19	2.015	SI..56B28 - WUDA160MJ-H-4G IE2	28,11	0	15900	223,0	M28-M35
54,19	1,29	1.938	SI..56C28 - WUDA160MJ-H-4G IE2	27,03	0	15900	223,0	M28-M35
53,55	2,09	1.962	SI..66B28 - WUDA160MJ-H-4G IE2	27,36	0	38000	281,0	M36-M45
51,68	2,36	2.032	SI..66C28 - WUDA160MJ-H-4G IE2	28,35	0	38000	281,0	M36-M45
48,09	1,10	2.184	SI..56B31,5 - WUDA160MJ-H-4G IE2	30,46	0	15900	223,0	M28-M35
47,75	1,18	2.200	SI..56C31,5 - WUDA160MJ-H-4G IE2	30,68	0	16000	223,0	M28-M35
49,06	1,91	2.141	SI..66B31,5 - WUDA160MJ-H-4G IE2	29,86	0	38000	281,0	M36-M45
44,71	2,13	2.350	SI..66C31,5 - WUDA160MJ-H-4G IE2	32,77	0	38000	281,0	M36-M45
40,76	0,93	2.577	SI..56B35,5 - WUDA160MJ-H-4G IE2	35,94	0	16000	223,0	M28-M35
42,48	1,13	2.472	SI..56C35,5 - WUDA160MJ-H-4G IE2	34,48	0	16000	223,0	M28-M35
42,86	1,67	2.451	SI..66B35,5 - WUDA160MJ-H-4G IE2	34,18	0	38000	281,0	M36-M45
39,97	1,90	2.628	SI..66C35,5 - WUDA160MJ-H-4G IE2	36,65	0	38000	281,0	M36-M45
40,69	2,83	2.582	SI..76B35,5 - WUDA160MJ-H-4G IE2	36,01	0	52500	376,0	M46-M54
38,22	1,02	2.748	SI..56C40 - WUDA160MJ-H-4G IE2	38,33	0	15900	223,0	M28-M35
39,22	1,53	2.678	SI..66B40 - WUDA160MJ-H-4G IE2	37,35	0	38000	281,0	M36-M45
37,02	1,76	2.838	SI..66C40 - WUDA160MJ-H-4G IE2	39,57	0	38000	281,0	M36-M45
36,86	2,56	2.850	SI..76B40 - WUDA160MJ-H-4G IE2	39,74	0	52500	376,0	M46-M54
33,58	0,90	3.128	SI..56C45 - WUDA160MJ-H-4G IE2	43,63	0	15800	223,0	M28-M35
33,30	1,30	3.155	SI..66B45 - WUDA160MJ-H-4G IE2	44,00	0	38000	281,0	M36-M45
32,87	1,56	3.195	SI..66C45 - WUDA160MJ-H-4G IE2	44,56	0	38000	281,0	M36-M45
33,13	2,11	3.171	SI..76B45 - WUDA160MJ-H-4G IE2	44,23	0	52500	376,0	M46-M54
32,73	2,80	3.210	SI..76C45 - WUDA160MJ-H-4G IE2	44,76	0	52500	376,0	M46-M54
30,23	1,15	3.475	SI..66B50 - WUDA160MJ-H-4G IE2	48,46	0	38000	281,0	M36-M45
29,03	1,38	3.618	SI..66C50 - WUDA160MJ-H-4G IE2	50,46	0	37700	281,0	M36-M45
29,66	2,54	3.541	SI..76C50 - WUDA160MJ-H-4G IE2	49,39	0	52500	376,0	M46-M54
27,22	0,96	3.859	SI..66B56 - WUDA160MJ-H-4G IE2	53,82	0	37200	281,0	M36-M45
26,62	1,27	3.946	SI..66C56 - WUDA160MJ-H-4G IE2	55,03	0	37000	281,0	M36-M45
26,39	2,26	3.980	SI..76C56 - WUDA160MJ-H-4G IE2	55,50	0	52500	376,0	M46-M54
23,22	1,11	4.524	SI..66C63 - WUDA160MJ-H-4G IE2	63,10	0	35500	281,0	M36-M45
23,71	2,03	4.431	SI..76C63 - WUDA160MJ-H-4G IE2	61,80	0	52500	376,0	M46-M54
20,04	0,95	5.242	SI..66C71 - WUDA160MJ-H-4G IE2	73,11	0	33200	281,0	M36-M45
21,16	1,81	4.965	SI..76C71 - WUDA160MJ-H-4G IE2	69,24	0	52500	376,0	M46-M54
20,80	2,97	5.051	SI..86C71 - WUDA160MJ-H-4G IE2	70,44	0	82000	546,0	M55-M63
18,04	0,86	5.824	SI..66C80 - WUDA160MJ-H-4G IE2	81,23	0	31200	281,0	M36-M45
18,74	1,61	5.605	SI..76C80 - WUDA160MJ-H-4G IE2	78,17	0	52500	376,0	M46-M54
19,18	2,74	5.477	SI..86C80 - WUDA160MJ-H-4G IE2	76,38	0	82000	546,0	M55-M63
16,65	1,43	6.307	SI..76C90 - WUDA160MJ-H-4G IE2	87,97	0	52500	376,0	M46-M54
16,25	2,32	6.465	SI..86C90 - WUDA160MJ-H-4G IE2	90,17	0	82000	546,0	M55-M63
14,44	1,24	7.275	SI..76C100 - WUDA160MJ-H-4G IE2	101,47	0	52500	376,0	M46-M54
14,72	2,10	7.136	SI..86C100 - WUDA160MJ-H-4G IE2	99,53	0	82000	546,0	M55-M63
13,21	1,13	7.952	SI..76C112 - WUDA160MJ-H-4G IE2	110,90	0	52500	376,0	M46-M54



P 11,00 kW n ₁ 1465 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
13,23	1,89	7.941	SI..86C112 - WUDA160MJ-H-4G IE2	110,75	0	82000	546,0	M55-M63
12,18	1,04	8.623	SI..76C125 - WUDA160MJ-H-4G IE2	120,26	0	52500	376,0	M46-M54
12,13	2,89	8.658	SI..96C125 - WUDA160MJ-H-4G IE2	120,75	0	105000	756,0	M64-M72
10,32	0,88	10.179	SI..76C140 - WUDA160MJ-H-4G IE2	141,97	0	52500	376,0	M46-M54
10,28	2,45	10.221	SI..96C140 - WUDA160MJ-H-4G IE2	142,55	0	105000	756,0	M64-M72
9,31	2,22	11.282	SI..96C160 - WUDA160MJ-H-4G IE2	157,34	0	105000	756,0	M64-M72
8,37	1,99	12.554	SI..96C180 - WUDA160MJ-H-4G IE2	175,09	0	105000	756,0	M64-M72

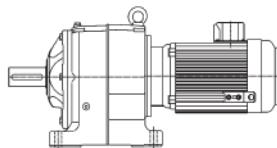
P 15,00 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
520,52	1,36	275	SI..46B2,8 - WUDA160LR-H-4G IE2	2,80	0	9000	193,0	M20-M27
532,60	2,53	269	SI..56B2,8 - WUDA160LR-H-4G IE2	2,74	0	9300	234,0	M28-M35
464,18	1,36	309	SI..46B3,15 - WUDA160LR-H-4G IE2	3,15	0	9200	193,0	M20-M27
482,89	2,53	297	SI..56B3,15 - WUDA160LR-H-4G IE2	3,02	0	9500	234,0	M28-M35
403,27	1,37	355	SI..46B3,55 - WUDA160LR-H-4G IE2	3,62	0	9500	193,0	M20-M27
419,36	2,53	342	SI..56B3,55 - WUDA160LR-H-4G IE2	3,48	0	9900	234,0	M28-M35
355,72	1,37	403	SI..46B4 - WUDA160LR-H-4G IE2	4,10	0	9800	193,0	M20-M27
371,22	2,53	386	SI..56B4 - WUDA160LR-H-4G IE2	3,93	0	10200	234,0	M28-M35
316,26	1,37	453	SI..46B4,5 - WUDA160LR-H-4G IE2	4,62	0	10000	193,0	M20-M27
336,30	2,54	426	SI..56B4,5 - WUDA160LR-H-4G IE2	4,34	0	10400	234,0	M28-M35
275,80	1,37	519	SI..46B5 - WUDA160LR-H-4G IE2	5,29	0	10300	193,0	M20-M27
270,55	1,61	529	SI..46B5,6 - WUDA160LR-H-4G IE2	5,40	0	10700	193,0	M20-M27
267,80	2,94	535	SI..56B5,6 - WUDA160LR-H-4G IE2	5,45	0	11300	234,0	M28-M35
241,27	1,53	594	SI..46B6,3 - WUDA160LR-H-4G IE2	6,05	0	10900	193,0	M20-M27
232,56	2,73	616	SI..56B6,3 - WUDA160LR-H-4G IE2	6,28	0	11600	234,0	M28-M35
209,61	1,43	683	SI..46B7,1 - WUDA160LR-H-4G IE2	6,97	0	11200	193,0	M20-M27
205,87	2,59	696	SI..56B7,1 - WUDA160LR-H-4G IE2	7,09	0	11900	234,0	M28-M35
184,89	1,36	775	SI..46B8 - WUDA160LR-H-4G IE2	7,90	0	11500	193,0	M20-M27
186,50	2,53	768	SI..56B8 - WUDA160LR-H-4G IE2	7,83	0	12200	234,0	M28-M35
164,38	1,30	871	SI..46B9 - WUDA160LR-H-4G IE2	8,88	0	11700	193,0	M20-M27
164,33	2,39	872	SI..56B9 - WUDA160LR-H-4G IE2	8,88	0	12500	234,0	M28-M35
143,35	1,21	999	SI..46B10 - WUDA160LR-H-4G IE2	10,18	0	11900	193,0	M20-M27
146,20	2,29	980	SI..56B10 - WUDA160LR-H-4G IE2	9,99	0	12700	234,0	M28-M35
129,92	1,18	1.103	SI..46B11,2 - WUDA160LR-H-4G IE2	11,24	0	12100	193,0	M20-M27
131,54	2,20	1.089	SI..56B11,2 - WUDA160LR-H-4G IE2	11,10	0	12900	234,0	M28-M35
118,06	1,07	1.213	SI..46B12,5 - WUDA160LR-H-4G IE2	12,37	0	12200	193,0	M20-M27
115,56	1,94	1.240	SI..56B12,5 - WUDA160LR-H-4G IE2	12,63	0	13200	234,0	M28-M35
104,81	1,02	1.367	SI..46B14 - WUDA160LR-H-4G IE2	13,93	0	12300	193,0	M20-M27
107,03	1,79	1.338	SI..56B14 - WUDA160LR-H-4G IE2	13,64	0	13300	234,0	M28-M35
94,48	0,92	1.516	SI..46B16 - WUDA160LR-H-4G IE2	15,45	0	12300	193,0	M20-M27
96,56	1,62	1.483	SI..56B16 - WUDA160LR-H-4G IE2	15,12	0	13400	234,0	M28-M35
92,55	2,65	1.548	SI..66B16 - WUDA160LR-H-4G IE2	15,77	0	34100	292,0	M36-M45
85,53	1,25	1.675	SI..56C18 - WUDA160LR-H-4G IE2	17,07	0	13600	234,0	M28-M35
83,90	1,41	1.707	SI..56B18 - WUDA160LR-H-4G IE2	17,40	0	13600	234,0	M28-M35
79,88	2,29	1.793	SI..66B18 - WUDA160LR-H-4G IE2	18,28	0	34300	292,0	M36-M45
77,55	1,19	1.847	SI..56C20 - WUDA160LR-H-4G IE2	18,83	0	13600	234,0	M28-M35
74,39	1,25	1.926	SI..56B20 - WUDA160LR-H-4G IE2	19,63	0	13700	234,0	M28-M35



P 15,00 kW

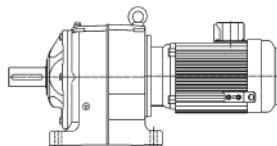
n₁ 1460 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
71,89	2,06	1.992	SI..66B20 - WUDA160LR-H-4G IE2	20,31	0	34400	292,0	M20-M27
73,16	2,30	1.958	SI..66C20 - WUDA160LR-H-4G IE2	19,96	0	34400	292,0	M20-M27
67,35	1,08	2.127	SI..56C22,4 - WUDA160LR-H-4G IE2	21,68	0	13700	234,0	M28-M35
65,34	1,09	2.192	SI..56B22,4 - WUDA160LR-H-4G IE2	22,35	0	13700	234,0	M28-M35
67,30	1,93	2.128	SI..66B22,4 - WUDA160LR-H-4G IE2	21,69	0	34400	292,0	M36-M45
65,90	2,07	2.173	SI..66C22,4 - WUDA160LR-H-4G IE2	22,15	0	34400	292,0	M36-M45
59,55	1,00	2.405	SI..56B25 - WUDA160LR-H-4G IE2	24,52	0	13600	234,0	M28-M35
59,62	1,00	2.403	SI..56C25 - WUDA160LR-H-4G IE2	24,49	0	13700	234,0	M28-M35
60,54	1,73	2.366	SI..66B25 - WUDA160LR-H-4G IE2	24,12	0	34200	292,0	M36-M45
55,30	1,78	2.590	SI..66C25 - WUDA160LR-H-4G IE2	26,40	0	34000	292,0	M36-M45
56,73	2,89	2.525	SI..76B25 - WUDA160LR-H-4G IE2	25,73	0	52500	387,0	M28-M35
51,94	0,87	2.758	SI..56B28 - WUDA160LR-H-4G IE2	28,11	0	13500	234,0	M28-M35
54,01	0,94	2.652	SI..56C28 - WUDA160LR-H-4G IE2	27,03	0	13500	234,0	M36-M45
53,36	1,53	2.684	SI..66B28 - WUDA160LR-H-4G IE2	27,36	0	33900	292,0	M36-M45
51,51	1,73	2.781	SI..66C28 - WUDA160LR-H-4G IE2	28,35	0	33800	292,0	M28-M35
51,91	2,65	2.760	SI..76B28 - WUDA160LR-H-4G IE2	28,13	0	52500	387,0	M28-M35
47,59	0,86	3.010	SI..56C31,5 - WUDA160LR-H-4G IE2	30,68	0	13300	234,0	M36-M45
48,89	1,40	2.930	SI..66B31,5 - WUDA160LR-H-4G IE2	29,86	0	33500	292,0	M36-M45
44,55	1,56	3.215	SI..66C31,5 - WUDA160LR-H-4G IE2	32,77	0	33000	292,0	M28-M35
47,87	2,44	2.992	SI..76B31,5 - WUDA160LR-H-4G IE2	30,50	0	52500	387,0	M28-M35
42,71	1,22	3.354	SI..66B35,5 - WUDA160LR-H-4G IE2	34,18	0	32700	292,0	M36-M45
39,83	1,39	3.596	SI..66C35,5 - WUDA160LR-H-4G IE2	36,65	0	32100	292,0	M36-M45
40,55	2,07	3.533	SI..76B35,5 - WUDA160LR-H-4G IE2	36,01	0	52500	387,0	M46-M54
39,09	1,12	3.665	SI..66B40 - WUDA160LR-H-4G IE2	37,35	0	31900	292,0	M28-M35
36,89	1,29	3.883	SI..66C40 - WUDA160LR-H-4G IE2	39,57	0	31400	292,0	M36-M45
36,74	1,87	3.899	SI..76B40 - WUDA160LR-H-4G IE2	39,74	0	52500	387,0	M36-M45
37,56	2,36	3.814	SI..76C40 - WUDA160LR-H-4G IE2	38,87	0	52500	387,0	M46-M54
33,18	0,95	4.317	SI..66B45 - WUDA160LR-H-4G IE2	44,00	0	30100	292,0	M28-M35
32,76	1,14	4.372	SI..66C45 - WUDA160LR-H-4G IE2	44,56	0	29900	292,0	M36-M45
33,01	1,54	4.339	SI..76B45 - WUDA160LR-H-4G IE2	44,23	0	52500	387,0	M36-M45
32,62	2,05	4.392	SI..76C45 - WUDA160LR-H-4G IE2	44,76	0	52500	387,0	M46-M54
28,93	1,01	4.951	SI..66C50 - WUDA160LR-H-4G IE2	50,46	0	28000	292,0	M46-M54
29,56	1,86	4.846	SI..76C50 - WUDA160LR-H-4G IE2	49,39	0	52500	387,0	M36-M45
26,53	0,93	5.399	SI..66C56 - WUDA160LR-H-4G IE2	55,03	0	26400	292,0	M36-M45
26,30	1,65	5.445	SI..76C56 - WUDA160LR-H-4G IE2	55,50	0	52500	387,0	M46-M54
26,13	2,74	5.481	SI..86C56 - WUDA160LR-H-4G IE2	55,87	0	82000	557,0	M36-M45
23,63	1,48	6.063	SI..76C63 - WUDA160LR-H-4G IE2	61,80	0	52500	387,0	M36-M45
22,65	2,37	6.323	SI..86C63 - WUDA160LR-H-4G IE2	64,45	0	82000	557,0	M46-M54
21,09	1,32	6.793	SI..76C71 - WUDA160LR-H-4G IE2	69,24	0	52500	387,0	M36-M45
20,73	2,17	6.911	SI..86C71 - WUDA160LR-H-4G IE2	70,44	0	82000	557,0	M46-M54
18,68	1,17	7.669	SI..76C80 - WUDA160LR-H-4G IE2	78,17	0	52500	387,0	M36-M45
19,11	2,00	7.494	SI..86C80 - WUDA160LR-H-4G IE2	76,38	0	82000	557,0	M46-M54
16,60	1,04	8.630	SI..76C90 - WUDA160LR-H-4G IE2	87,97	0	52500	387,0	M55-M63
16,19	1,70	8.847	SI..86C90 - WUDA160LR-H-4G IE2	90,17	0	82000	557,0	M36-M45
16,53	2,88	8.666	SI..96C90 - WUDA160LR-H-4G IE2	88,33	0	105000	767,0	M46-M54
14,39	0,90	9.955	SI..76C100 - WUDA160LR-H-4G IE2	101,47	0	52500	387,0	M55-M63
14,67	1,54	9.764	SI..86C100 - WUDA160LR-H-4G IE2	99,53	0	82000	557,0	M46-M54
14,33	2,50	9.996	SI..96C100 - WUDA160LR-H-4G IE2	101,88	0	105000	767,0	M55-M63
13,18	1,38	10.866	SI..86C112 - WUDA160LR-H-4G IE2	110,75	0	82000	557,0	M46-M54
13,11	2,29	10.925	SI..96C112 - WUDA160LR-H-4G IE2	111,36	0	105000	767,0	M55-M63
12,09	2,11	11.847	SI..96C125 - WUDA160LR-H-4G IE2	120,75	0	105000	767,0	M46-M54



P 15,00 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
10,24	1,79	13.986	SI..96C140 - WUDA160LR-H-4G IE2	142,55	0	105000	767,0	M64-M72
9,28	1,62	15.437	SI..96C160 - WUDA160LR-H-4G IE2	157,34	0	105000	767,0	M64-M72
8,34	1,46	17.178	SI..96C180 - WUDA160LR-H-4G IE2	175,09	0	105000	767,0	M64-M72

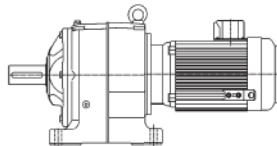
P 18,50 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
524,09	1,11	337	SI..46B2,8 - WUDA180ME-H-4G IE2	2,80	0	8700	245,0	M20-M27
536,25	2,06	329	SI..56B2,8 - WUDA180ME-H-4G IE2	2,74	0	9100	286,0	M28-M35
467,36	1,11	378	SI..46B3,15 - WUDA180ME-H-4G IE2	3,15	0	8900	245,0	M20-M27
486,20	2,06	363	SI..56B3,15 - WUDA180ME-H-4G IE2	3,02	0	9300	286,0	M28-M35
406,04	1,11	435	SI..46B3,55 - WUDA180ME-H-4G IE2	3,62	0	9100	245,0	M20-M27
422,23	2,07	418	SI..56B3,55 - WUDA180ME-H-4G IE2	3,48	0	9600	286,0	M28-M35
358,15	1,12	493	SI..46B4 - WUDA180ME-H-4G IE2	4,10	0	9400	245,0	M20-M27
373,77	2,06	473	SI..56B4 - WUDA180ME-H-4G IE2	3,93	0	9800	286,0	M28-M35
318,42	1,12	555	SI..46B4,5 - WUDA180ME-H-4G IE2	4,62	0	9500	245,0	M20-M27
338,60	2,07	522	SI..56B4,5 - WUDA180ME-H-4G IE2	4,34	0	10000	286,0	M28-M35
277,69	1,12	636	SI..46B5 - WUDA180ME-H-4G IE2	5,29	0	9700	245,0	M20-M27
297,39	2,46	594	SI..56B5 - WUDA180ME-H-4G IE2	4,94	0	10600	286,0	M28-M35
272,41	1,31	649	SI..46B5,6 - WUDA180ME-H-4G IE2	5,40	0	10200	245,0	M20-M27
269,63	2,40	655	SI..56B5,6 - WUDA180ME-H-4G IE2	5,45	0	10900	286,0	M28-M35
242,92	1,25	727	SI..46B6,3 - WUDA180ME-H-4G IE2	6,05	0	10400	245,0	M20-M27
234,15	2,23	754	SI..56B6,3 - WUDA180ME-H-4G IE2	6,28	0	11200	286,0	M28-M35
211,05	1,17	837	SI..46B7,1 - WUDA180ME-H-4G IE2	6,97	0	10600	245,0	M20-M27
207,28	2,11	852	SI..56B7,1 - WUDA180ME-H-4G IE2	7,09	0	11400	286,0	M28-M35
186,16	1,11	949	SI..46B8 - WUDA180ME-H-4G IE2	7,90	0	10800	245,0	M20-M27
187,78	2,06	941	SI..56B8 - WUDA180ME-H-4G IE2	7,83	0	11600	286,0	M28-M35
165,51	1,06	1.067	SI..46B9 - WUDA180ME-H-4G IE2	8,88	0	10900	245,0	M20-M27
165,45	1,95	1.068	SI..56B9 - WUDA180ME-H-4G IE2	8,88	0	11800	286,0	M28-M35
144,34	0,99	1.224	SI..46B10 - WUDA180ME-H-4G IE2	10,18	0	11000	245,0	M20-M27
147,21	1,87	1.200	SI..56B10 - WUDA180ME-H-4G IE2	9,99	0	12000	286,0	M28-M35
130,81	0,96	1.351	SI..46B11,2 - WUDA180ME-H-4G IE2	11,24	0	11100	245,0	M20-M27
132,44	1,80	1.334	SI..56B11,2 - WUDA180ME-H-4G IE2	11,10	0	12100	286,0	M28-M35
131,94	2,99	1.339	SI..66B11,2 - WUDA180ME-H-4G IE2	11,14	0	31100	345,0	M36-M45
116,35	1,58	1.518	SI..56B12,5 - WUDA180ME-H-4G IE2	12,63	0	12200	286,0	M28-M35
116,52	2,70	1.516	SI..66B12,5 - WUDA180ME-H-4G IE2	12,62	0	31300	345,0	M36-M45
107,76	1,46	1.639	SI..56B14 - WUDA180ME-H-4G IE2	13,64	0	12300	286,0	M28-M35
106,86	2,48	1.653	SI..66B14 - WUDA180ME-H-4G IE2	13,76	0	31400	345,0	M36-M45
97,22	1,32	1.817	SI..56B16 - WUDA180ME-H-4G IE2	15,12	0	12300	286,0	M28-M35
93,19	2,16	1.896	SI..66B16 - WUDA180ME-H-4G IE2	15,77	0	31400	345,0	M36-M45
86,12	1,02	2.051	SI..56C18 - WUDA180ME-H-4G IE2	17,07	0	12300	286,0	M28-M35
84,47	1,15	2.091	SI..56B18 - WUDA180ME-H-4G IE2	17,40	0	12300	286,0	M28-M35
80,43	1,87	2.196	SI..66B18 - WUDA180ME-H-4G IE2	18,28	0	31200	345,0	M36-M45
78,08	0,97	2.262	SI..56C20 - WUDA180ME-H-4G IE2	18,83	0	12200	286,0	M28-M35
74,90	1,02	2.359	SI..56B20 - WUDA180ME-H-4G IE2	19,63	0	12200	286,0	M28-M35
72,39	1,68	2.441	SI..66B20 - WUDA180ME-H-4G IE2	20,31	0	31000	345,0	M36-M45
73,66	1,88	2.398	SI..66C20 - WUDA180ME-H-4G IE2	19,96	0	31000	345,0	M36-M45
67,81	0,88	2.605	SI..56C22,4 - WUDA180ME-H-4G IE2	21,68	0	12100	286,0	M28-M35



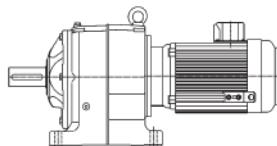
P 18,50 kW

n₁ 1470 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
65,78	0,89	2.686	SI..56B22,4 - WUDA180ME-H-4G IE2	22,35	0	12000	286,0	M28-M35
67,77	1,57	2.607	SI..66B22,4 - WUDA180ME-H-4G IE2	21,69	0	30700	345,0	M36-M45
66,35	1,69	2.662	SI..66C22,4 - WUDA180ME-H-4G IE2	22,15	0	30600	345,0	M36-M45
65,89	2,72	2.681	SI..76B22,4 - WUDA180ME-H-4G IE2	22,31	0	52500	440,0	M46-M54
60,96	1,41	2.898	SI..66B25 - WUDA180ME-H-4G IE2	24,12	0	30200	345,0	M36-M45
55,68	1,45	3.173	SI..66C25 - WUDA180ME-H-4G IE2	26,40	0	29600	345,0	M36-M45
57,12	2,36	3.093	SI..76B25 - WUDA180ME-H-4G IE2	25,73	0	52500	440,0	M46-M54
58,40	2,98	3.025	SI..76C25 - WUDA180ME-H-4G IE2	25,17	0	52500	440,0	M46-M54
53,73	1,25	3.288	SI..66B28 - WUDA180ME-H-4G IE2	27,36	0	29300	345,0	M36-M45
51,86	1,41	3.407	SI..66C28 - WUDA180ME-H-4G IE2	28,35	0	28900	345,0	M36-M45
52,26	2,16	3.380	SI..76B28 - WUDA180ME-H-4G IE2	28,13	0	52500	440,0	M46-M54
51,47	2,62	3.432	SI..76C28 - WUDA180ME-H-4G IE2	28,56	0	52500	440,0	M46-M54
49,22	1,14	3.589	SI..66B31,5 - WUDA180ME-H-4G IE2	29,86	0	28500	345,0	M36-M45
44,86	1,27	3.938	SI..66C31,5 - WUDA180ME-H-4G IE2	32,77	0	27400	345,0	M36-M45
48,20	1,99	3.665	SI..76B31,5 - WUDA180ME-H-4G IE2	30,50	0	52500	440,0	M46-M54
47,24	2,41	3.740	SI..76C31,5 - WUDA180ME-H-4G IE2	31,12	0	52500	440,0	M46-M54
43,00	1,00	4.108	SI..66B35,5 - WUDA180ME-H-4G IE2	34,18	0	26900	345,0	M36-M45
40,11	1,14	4.405	SI..66C35,5 - WUDA180ME-H-4G IE2	36,65	0	25900	345,0	M36-M45
40,83	1,69	4.327	SI..76B35,5 - WUDA180ME-H-4G IE2	36,01	0	52500	440,0	M46-M54
41,40	2,11	4.267	SI..76C35,5 - WUDA180ME-H-4G IE2	35,50	0	52500	440,0	M46-M54
39,36	0,91	4.489	SI..66B40 - WUDA180ME-H-4G IE2	37,35	0	25600	345,0	M36-M45
37,15	1,05	4.756	SI..66C40 - WUDA180ME-H-4G IE2	39,57	0	24600	345,0	M36-M45
36,99	1,53	4.776	SI..76B40 - WUDA180ME-H-4G IE2	39,74	0	52500	440,0	M46-M54
37,82	1,93	4.671	SI..76C40 - WUDA180ME-H-4G IE2	38,87	0	52500	440,0	M46-M54
32,99	0,93	5.356	SI..66C45 - WUDA180ME-H-4G IE2	44,56	0	22400	345,0	M36-M45
33,24	1,26	5.315	SI..76B45 - WUDA180ME-H-4G IE2	44,23	0	52500	440,0	M46-M54
32,84	1,67	5.379	SI..76C45 - WUDA180ME-H-4G IE2	44,76	0	52500	440,0	M46-M54
33,43	2,84	5.285	SI..86C45 - WUDA180ME-H-4G IE2	43,98	0	82000	610,0	M55-M63
29,76	1,52	5.936	SI..76C50 - WUDA180ME-H-4G IE2	49,39	0	52500	440,0	M46-M54
29,61	2,51	5.966	SI..86C50 - WUDA180ME-H-4G IE2	49,65	0	82000	610,0	M55-M63
26,48	1,35	6.670	SI..76C56 - WUDA180ME-H-4G IE2	55,50	0	52500	440,0	M46-M54
26,31	2,23	6.714	SI..86C56 - WUDA180ME-H-4G IE2	55,87	0	82000	610,0	M55-M63
23,79	1,21	7.427	SI..76C63 - WUDA180ME-H-4G IE2	61,80	0	52500	440,0	M46-M54
22,81	1,94	7.745	SI..86C63 - WUDA180ME-H-4G IE2	64,45	0	82000	610,0	M55-M63
21,23	1,08	8.321	SI..76C71 - WUDA180ME-H-4G IE2	69,24	0	52500	440,0	M46-M54
20,87	1,77	8.465	SI..86C71 - WUDA180ME-H-4G IE2	70,44	0	82000	610,0	M55-M63
21,14	2,99	8.355	SI..96C71 - WUDA180ME-H-4G IE2	69,52	0	105000	820,0	M64-M72
18,81	0,96	9.394	SI..76C80 - WUDA180ME-H-4G IE2	78,17	0	52500	440,0	M46-M54
19,25	1,63	9.179	SI..86C80 - WUDA180ME-H-4G IE2	76,38	0	82000	610,0	M55-M63
18,73	2,65	9.432	SI..96C80 - WUDA180ME-H-4G IE2	78,49	0	105000	820,0	M64-M72
16,71	0,85	10.572	SI..76C90 - WUDA180ME-H-4G IE2	87,97	0	52500	440,0	M46-M54
16,30	1,38	10.837	SI..86C90 - WUDA180ME-H-4G IE2	90,17	0	82000	610,0	M55-M63
16,64	2,36	10.615	SI..96C90 - WUDA180ME-H-4G IE2	88,33	0	105000	820,0	M64-M72
14,77	1,25	11.961	SI..86C100 - WUDA180ME-H-4G IE2	99,53	0	82000	610,0	M55-M63
14,43	2,04	12.244	SI..96C100 - WUDA180ME-H-4G IE2	101,88	0	105000	820,0	M64-M72
13,27	1,13	13.310	SI..86C112 - WUDA180ME-H-4G IE2	110,75	0	82000	610,0	M55-M63
13,20	1,87	13.383	SI..96C112 - WUDA180ME-H-4G IE2	111,36	0	105000	820,0	M64-M72
12,17	1,72	14.512	SI..96C125 - WUDA180ME-H-4G IE2	120,75	0	105000	820,0	M64-M72
10,31	1,46	17.132	SI..96C140 - WUDA180ME-H-4G IE2	142,55	0	105000	820,0	M64-M72
9,34	1,32	18.909	SI..96C160 - WUDA180ME-H-4G IE2	157,34	0	105000	820,0	M64-M72
8,40	1,19	21.042	SI..96C180 - WUDA180ME-H-4G IE2	175,09	0	105000	820,0	M64-M72



P 22,00 kW	n ₁ 1470 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
524,09	0,94	401	SI..46B2,8 - WUDA180LJ-H-4G IE2	2,80	0	8400	272,0	M20-M27		
536,25	1,74	392	SI..56B2,8 - WUDA180LJ-H-4G IE2	2,74	0	8800	313,0	M28-M35		
467,36	0,93	450	SI..46B3,15 - WUDA180LJ-H-4G IE2	3,15	0	8600	272,0	M20-M27		
486,20	1,74	432	SI..56B3,15 - WUDA180LJ-H-4G IE2	3,02	0	9000	313,0	M28-M35		
406,04	0,94	517	SI..46B3,55 - WUDA180LJ-H-4G IE2	3,62	0	8800	272,0	M20-M27		
422,23	1,74	498	SI..56B3,55 - WUDA180LJ-H-4G IE2	3,48	0	9300	313,0	M28-M35		
358,15	0,94	587	SI..46B4 - WUDA180LJ-H-4G IE2	4,10	0	8900	272,0	M20-M27		
373,77	1,73	562	SI..56B4 - WUDA180LJ-H-4G IE2	3,93	0	9500	313,0	M28-M35		
318,42	0,94	660	SI..46B4,5 - WUDA180LJ-H-4G IE2	4,62	0	9100	272,0	M20-M27		
338,60	1,74	620	SI..56B4,5 - WUDA180LJ-H-4G IE2	4,34	0	9600	313,0	M28-M35		
277,69	0,94	757	SI..46B5 - WUDA180LJ-H-4G IE2	5,29	0	9200	272,0	M20-M27		
297,39	2,07	706	SI..56B5 - WUDA180LJ-H-4G IE2	4,94	0	10300	313,0	M28-M35		
272,41	1,10	771	SI..46B5,6 - WUDA180LJ-H-4G IE2	5,40	0	9800	272,0	M20-M27		
269,63	2,01	779	SI..56B5,6 - WUDA180LJ-H-4G IE2	5,45	0	10500	313,0	M28-M35		
242,92	1,05	865	SI..46B6,3 - WUDA180LJ-H-4G IE2	6,05	0	9900	272,0	M20-M27		
234,15	1,87	897	SI..56B6,3 - WUDA180LJ-H-4G IE2	6,28	0	10700	313,0	M28-M35		
211,05	0,98	995	SI..46B7,1 - WUDA180LJ-H-4G IE2	6,97	0	10000	272,0	M20-M27		
207,28	1,78	1.014	SI..56B7,1 - WUDA180LJ-H-4G IE2	7,09	0	10900	313,0	M28-M35		
186,16	0,93	1.129	SI..46B8 - WUDA180LJ-H-4G IE2	7,90	0	10100	272,0	M20-M27		
187,78	1,73	1.119	SI..56B8 - WUDA180LJ-H-4G IE2	7,83	0	11000	313,0	M28-M35		
165,51	0,89	1.269	SI..46B9 - WUDA180LJ-H-4G IE2	8,88	0	10200	272,0	M20-M27		
165,45	1,64	1.270	SI..56B9 - WUDA180LJ-H-4G IE2	8,88	0	11100	313,0	M28-M35		
160,42	2,90	1.310	SI..66B9 - WUDA180LJ-H-4G IE2	9,16	0	28900	372,0	M36-M45		
147,21	1,57	1.427	SI..56B10 - WUDA180LJ-H-4G IE2	9,99	0	11200	313,0	M28-M35		
148,58	2,76	1.414	SI..66B10 - WUDA180LJ-H-4G IE2	9,89	0	29000	372,0	M36-M45		
132,44	1,51	1.586	SI..56B11,2 - WUDA180LJ-H-4G IE2	11,10	0	11300	313,0	M28-M35		
131,94	2,51	1.592	SI..66B11,2 - WUDA180LJ-H-4G IE2	11,14	0	29200	372,0	M36-M45		
116,35	1,33	1.806	SI..56B12,5 - WUDA180LJ-H-4G IE2	12,63	0	11300	313,0	M28-M35		
116,52	2,27	1.803	SI..66B12,5 - WUDA180LJ-H-4G IE2	12,62	0	29200	372,0	M36-M45		
107,76	1,23	1.950	SI..56B14 - WUDA180LJ-H-4G IE2	13,64	0	11300	313,0	M28-M35		
106,86	2,09	1.966	SI..66B14 - WUDA180LJ-H-4G IE2	13,76	0	29100	372,0	M36-M45		
97,22	1,11	2.161	SI..56B16 - WUDA180LJ-H-4G IE2	15,12	0	11200	313,0	M28-M35		
93,19	1,82	2.254	SI..66B16 - WUDA180LJ-H-4G IE2	15,77	0	28800	372,0	M36-M45		
86,12	0,86	2.439	SI..56C18 - WUDA180LJ-H-4G IE2	17,07	0	11000	313,0	M28-M35		
84,47	0,97	2.487	SI..56B18 - WUDA180LJ-H-4G IE2	17,40	0	11000	313,0	M28-M35		
80,43	1,57	2.612	SI..66B18 - WUDA180LJ-H-4G IE2	18,28	0	28200	372,0	M36-M45		
83,71	2,91	2.510	SI..76B18 - WUDA180LJ-H-4G IE2	17,56	0	52500	467,0	M46-M54		
74,90	0,86	2.805	SI..56B20 - WUDA180LJ-H-4G IE2	19,63	0	10700	313,0	M28-M35		
72,39	1,41	2.902	SI..66B20 - WUDA180LJ-H-4G IE2	20,31	0	27500	372,0	M36-M45		
73,66	1,58	2.852	SI..66C20 - WUDA180LJ-H-4G IE2	19,96	0	27700	372,0	M36-M45		
74,15	2,58	2.833	SI..76B20 - WUDA180LJ-H-4G IE2	19,83	0	52500	467,0	M46-M54		
67,77	1,32	3.100	SI..66B22,4 - WUDA180LJ-H-4G IE2	21,69	0	27100	372,0	M36-M45		
66,35	1,42	3.166	SI..66C22,4 - WUDA180LJ-H-4G IE2	22,15	0	26900	372,0	M36-M45		
65,89	2,29	3.188	SI..76B22,4 - WUDA180LJ-H-4G IE2	22,31	0	52500	467,0	M46-M54		
66,15	2,83	3.176	SI..76C22,4 - WUDA180LJ-H-4G IE2	22,22	0	52500	467,0	M46-M54		
60,96	1,19	3.446	SI..66B25 - WUDA180LJ-H-4G IE2	24,12	0	26100	372,0	M36-M45		
55,68	1,22	3.773	SI..66C25 - WUDA180LJ-H-4G IE2	26,40	0	25100	372,0	M36-M45		
57,12	1,98	3.678	SI..76B25 - WUDA180LJ-H-4G IE2	25,73	0	52500	467,0	M46-M54		
58,40	2,50	3.597	SI..76C25 - WUDA180LJ-H-4G IE2	25,17	0	52500	467,0	M46-M54		
53,73	1,05	3.910	SI..66B28 - WUDA180LJ-H-4G IE2	27,36	0	24600	372,0	M36-M45		
51,86	1,18	4.051	SI..66C28 - WUDA180LJ-H-4G IE2	28,35	0	24200	372,0	M36-M45		



P 22,00 kW

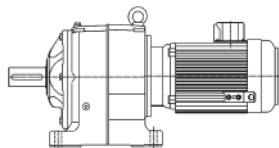
n₁ 1470 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
52,26	1,82	4.020	SI..76B28 - WUDA180LJ-H-4G IE2	28,13	0	52500	467,0	M46-M54
51,47	2,20	4.082	SI..76C28 - WUDA180LJ-H-4G IE2	28,56	0	52500	467,0	M46-M54
49,22	0,96	4.268	SI..66B31,5 - WUDA180LJ-H-4G IE2	29,86	0	23400	372,0	M36-M45
44,86	1,07	4.683	SI..66C31,5 - WUDA180LJ-H-4G IE2	32,77	0	21900	372,0	M36-M45
48,20	1,67	4.359	SI..76B31,5 - WUDA180LJ-H-4G IE2	30,50	0	52500	467,0	M46-M54
47,24	2,02	4.447	SI..76C31,5 - WUDA180LJ-H-4G IE2	31,12	0	52500	467,0	M46-M54
40,11	0,95	5.238	SI..66C35,5 - WUDA180LJ-H-4G IE2	36,65	0	19700	372,0	M36-M45
40,83	1,42	5.146	SI..76B35,5 - WUDA180LJ-H-4G IE2	36,01	0	52500	467,0	M46-M54
41,40	1,77	5.074	SI..76C35,5 - WUDA180LJ-H-4G IE2	35,50	0	52500	467,0	M46-M54
41,70	2,98	5.038	SI..86C35,5 - WUDA180LJ-H-4G IE2	35,25	0	82000	637,0	M55-M63
37,15	0,88	5.656	SI..66C40 - WUDA180LJ-H-4G IE2	39,57	0	18000	372,0	M36-M45
36,99	1,29	5.680	SI..76B40 - WUDA180LJ-H-4G IE2	39,74	0	52500	467,0	M46-M54
37,82	1,62	5.555	SI..76C40 - WUDA180LJ-H-4G IE2	38,87	0	52500	467,0	M46-M54
37,45	2,67	5.610	SI..86C40 - WUDA180LJ-H-4G IE2	39,25	0	82000	637,0	M55-M63
33,24	1,06	6.320	SI..76B45 - WUDA180LJ-H-4G IE2	44,23	0	52500	467,0	M46-M54
32,84	1,41	6.397	SI..76C45 - WUDA180LJ-H-4G IE2	44,76	0	52500	467,0	M46-M54
33,43	2,39	6.285	SI..86C45 - WUDA180LJ-H-4G IE2	43,98	0	82000	637,0	M55-M63
29,76	1,28	7.059	SI..76C50 - WUDA180LJ-H-4G IE2	49,39	0	52500	467,0	M46-M54
29,61	2,11	7.095	SI..86C50 - WUDA180LJ-H-4G IE2	49,65	0	82000	637,0	M55-M63
26,48	1,13	7.932	SI..76C56 - WUDA180LJ-H-4G IE2	55,50	0	52500	467,0	M46-M54
26,31	1,88	7.985	SI..86C56 - WUDA180LJ-H-4G IE2	55,87	0	82000	637,0	M55-M63
23,79	1,02	8.832	SI..76C63 - WUDA180LJ-H-4G IE2	61,80	0	52500	467,0	M46-M54
22,81	1,63	9.210	SI..86C63 - WUDA180LJ-H-4G IE2	64,45	0	82000	637,0	M55-M63
23,69	2,82	8.868	SI..96C63 - WUDA180LJ-H-4G IE2	62,05	0	105000	847,0	M64-M72
21,23	0,91	9.895	SI..76C71 - WUDA180LJ-H-4G IE2	69,24	0	52500	467,0	M46-M54
20,87	1,49	10.067	SI..86C71 - WUDA180LJ-H-4G IE2	70,44	0	82000	637,0	M55-M63
21,14	2,52	9.936	SI..96C71 - WUDA180LJ-H-4G IE2	69,52	0	105000	847,0	M64-M72
19,25	1,37	10.916	SI..86C80 - WUDA180LJ-H-4G IE2	76,38	0	82000	637,0	M55-M63
18,73	2,23	11.217	SI..96C80 - WUDA180LJ-H-4G IE2	78,49	0	105000	847,0	M64-M72
16,30	1,16	12.887	SI..86C90 - WUDA180LJ-H-4G IE2	90,17	0	82000	637,0	M55-M63
16,64	1,98	12.623	SI..96C90 - WUDA180LJ-H-4G IE2	88,33	0	105000	847,0	M64-M72
14,77	1,05	14.224	SI..86C100 - WUDA180LJ-H-4G IE2	99,53	0	82000	637,0	M55-M63
14,43	1,72	14.561	SI..96C100 - WUDA180LJ-H-4G IE2	101,88	0	105000	847,0	M64-M72
13,27	0,95	15.828	SI..86C112 - WUDA180LJ-H-4G IE2	110,75	0	82000	637,0	M55-M63
13,20	1,57	15.915	SI..96C112 - WUDA180LJ-H-4G IE2	111,36	0	105000	847,0	M64-M72
12,17	1,45	17.257	SI..96C125 - WUDA180LJ-H-4G IE2	120,75	0	105000	847,0	M64-M72
10,31	1,23	20.373	SI..96C140 - WUDA180LJ-H-4G IE2	142,55	0	105000	847,0	M64-M72
9,34	1,11	22.486	SI..96C160 - WUDA180LJ-H-4G IE2	157,34	0	105000	847,0	M64-M72
8,40	1,00	25.023	SI..96C180 - WUDA180LJ-H-4G IE2	175,09	0	105000	847,0	M64-M72

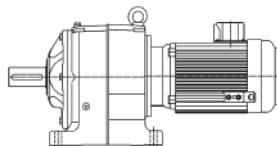
P 30,00 kW

n₁ 1470 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
536,25	1,30	524	SI..56B2,8U - 200-L1-4 IE2	2,74		8270	316,0	M28-M35
518,95	2,96	541	SI..66B2,8U - 200-L1-4 IE2	2,83		20930	373,0	M36-M45
486,20	1,30	577	SI..56B3,15U - 200-L1-4 IE2	3,02		8400	316,0	M28-M35
467,50	2,83	601	SI..66B3,15U - 200-L1-4 IE2	3,14		21110	373,0	M36-M45
422,23	1,30	665	SI..56B3,55U - 200-L1-4 IE2	3,48		8570	316,0	M28-M35



P 30,00 kW	n ₁ 1470 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _N N	F _{rN-G} N	m kg	
392,31	2,59	716	SI..66B3,55U - 200-L1-4 IE2	3,75		21290	373,0	M36-M45		
373,77	1,30	751	SI..56B4U - 200-L1-4 IE2	3,93		8680	316,0	M28-M35		
365,37	2,54	768	SI..66B4U - 200-L1-4 IE2	4,02		21310	373,0	M36-M45		
338,60	1,30	829	SI..56B4,5U - 200-L1-4 IE2	4,34		8760	316,0	M28-M35		
316,06	2,31	888	SI..66B4,5U - 200-L1-4 IE2	4,65		21260	373,0	M36-M45		
297,39	1,55	944	SI..56B5U - 200-L1-4 IE2	4,94		9430	316,0	M28-M35		
269,63	1,51	1.041	SI..56B5,6U - 200-L1-4 IE2	5,45		9520	316,0	M28-M35		
265,42	2,84	1.058	SI..66B5,6U - 200-L1-4 IE2	5,54		25230	373,0	M36-M45		
234,15	1,40	1.199	SI..56B6,3U - 200-L1-4 IE2	6,28		9620	316,0	M28-M35		
222,73	2,62	1.261	SI..66B6,3U - 200-L1-4 IE2	6,60		25490	373,0	M36-M45		
207,28	1,33	1.354	SI..56B7,1U - 200-L1-4 IE2	7,09		9660	316,0	M28-M35		
207,44	2,59	1.353	SI..66B7,1U - 200-L1-4 IE2	7,09		25530	373,0	M36-M45		
187,78	1,30	1.495	SI..56B8U - 200-L1-4 IE2	7,83		9660	316,0	M28-M35		
179,44	2,30	1.565	SI..66B8U - 200-L1-4 IE2	8,19		25530	373,0	M36-M45		
165,45	1,23	1.697	SI..56B9U - 200-L1-4 IE2	8,88		9620	316,0	M28-M35		
160,42	2,17	1.750	SI..66B9U - 200-L1-4 IE2	9,16		25390	373,0	M36-M45		
147,21	1,17	1.907	SI..56B10U - 200-L1-4 IE2	9,99		9520	316,0	M28-M35		
148,58	2,06	1.890	SI..66B10U - 200-L1-4 IE2	9,89		25250	373,0	M36-M45		
132,44	1,13	2.120	SI..56B11,2U - 200-L1-4 IE2	11,10		9380	316,0	M28-M35		
131,94	1,88	2.128	SI..66B11,2U - 200-L1-4 IE2	11,14		24870	373,0	M36-M45		
116,52	1,70	2.409	SI..66B12,5U - 200-L1-4 IE2	12,62		24300	373,0	M36-M45		
106,86	1,56	2.627	SI..66B14U - 200-L1-4 IE2	13,76		23750	373,0	M36-M45		
104,43	2,72	2.688	SI..76B14U - 200-L1-4 IE2	14,08		52270	468,0	M46-M54		
93,19	1,36	3.013	SI..66B16U - 200-L1-4 IE2	15,77		22670	373,0	M36-M45		
93,79	2,44	2.993	SI..76B16U - 200-L1-4 IE2	15,67		52500	468,0	M46-M54		
80,43	1,17	3.491	SI..66B18U - 200-L1-4 IE2	18,28		21130	373,0	M36-M45		
83,71	2,18	3.354	SI..76B18U - 200-L1-4 IE2	17,56		52500	468,0	M46-M54		
72,39	1,06	3.878	SI..66B20U - 200-L1-4 IE2	20,31		19710	373,0	M36-M45		
73,66	1,18	3.812	SI..66C20U - 200-L1-4 IE2	19,96		19950	373,0	M36-M45		
74,15	1,93	3.786	SI..76B20U - 200-L1-4 IE2	19,83		52500	468,0	M46-M54		
74,87	2,40	3.750	SI..76C20U - 200-L1-4 IE2	19,63		52500	468,0	M46-M54		
67,77	0,99	4.143	SI..66B22,4U - 200-L1-4 IE2	21,69		18680	373,0	M36-M45		
66,35	1,06	4.231	SI..66C22,4U - 200-L1-4 IE2	22,15		18340	373,0	M36-M45		
65,89	1,71	4.261	SI..76B22,4U - 200-L1-4 IE2	22,31		52500	468,0	M46-M54		
66,15	2,12	4.244	SI..76C22,4U - 200-L1-4 IE2	22,22		52500	468,0	M46-M54		
60,96	0,89	4.606	SI..66B25U - 200-L1-4 IE2	24,12		16780	373,0	M36-M45		
55,68	0,91	5.042	SI..66C25U - 200-L1-4 IE2	26,40		14910	373,0	M36-M45		
57,12	1,49	4.915	SI..76B25U - 200-L1-4 IE2	25,73		52500	468,0	M46-M54		
58,40	1,87	4.807	SI..76C25U - 200-L1-4 IE2	25,17		52500	468,0	M46-M54		
51,86	0,89	5.414	SI..66C28U - 200-L1-4 IE2	28,35		13240	373,0	M36-M45		
52,26	1,36	5.372	SI..76B28U - 200-L1-4 IE2	28,13		52500	468,0	M46-M54		
51,47	1,65	5.455	SI..76C28U - 200-L1-4 IE2	28,56		52500	468,0	M46-M54		
51,71	2,76	5.430	SI..86C28U - 200-L1-4 IE2	28,43		82000	638,0	M55-M63		
48,20	1,25	5.825	SI..76B31,5U - 200-L1-4 IE2	30,50		52500	468,0	M46-M54		
47,24	1,51	5.943	SI..76C31,5U - 200-L1-4 IE2	31,12		52500	468,0	M46-M54		
46,86	2,50	5.991	SI..86C31,5U - 200-L1-4 IE2	31,37		82000	638,0	M55-M63		
40,83	1,06	6.877	SI..76B35,5U - 200-L1-4 IE2	36,01		52500	468,0	M46-M54		
41,40	1,33	6.781	SI..76C35,5U - 200-L1-4 IE2	35,50		51650	468,0	M46-M54		
41,70	2,23	6.733	SI..86C35,5U - 200-L1-4 IE2	35,25		82000	638,0	M55-M63		
36,99	0,96	7.590	SI..76B40U - 200-L1-4 IE2	39,74		51630	468,0	M46-M54		
37,82	1,21	7.424	SI..76C40U - 200-L1-4 IE2	38,87		50700	468,0	M46-M54		



P 30,00 kW

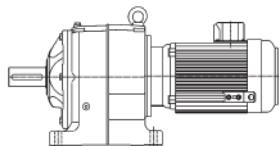
n₁ 1470 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
37,45	2,00	7.496	SI..86C40U - 200-L1-4 IE2	39,25		82000	638,0	M55-M63
32,84	1,05	8.549	SI..76C45U - 200-L1-4 IE2	44,76		48710	468,0	M46-M54
33,43	1,79	8.399	SI..86C45U - 200-L1-4 IE2	43,98		82000	638,0	M55-M63
32,71	2,91	8.584	SI..96C45U - 200-L1-4 IE2	44,95		105000	848,0	M64-M72
29,76	0,95	9.433	SI..76C50U - 200-L1-4 IE2	49,39		46900	468,0	M46-M54
29,61	1,58	9.482	SI..86C50U - 200-L1-4 IE2	49,65		82000	638,0	M55-M63
29,64	2,64	9.472	SI..96C50U - 200-L1-4 IE2	49,59		105000	848,0	M64-M72
26,31	1,41	10.670	SI..86C56U - 200-L1-4 IE2	55,87		82000	638,0	M55-M63
26,38	2,35	10.644	SI..96C56U - 200-L1-4 IE2	55,73		105000	848,0	M64-M72
22,81	1,22	12.308	SI..86C63U - 200-L1-4 IE2	64,45		82000	638,0	M55-M63
23,69	2,11	11.851	SI..96C63U - 200-L1-4 IE2	62,05		105000	848,0	M64-M72
20,87	1,12	13.453	SI..86C71U - 200-L1-4 IE2	70,44		82000	638,0	M55-M63
21,14	1,88	13.278	SI..96C71U - 200-L1-4 IE2	69,52		105000	848,0	M64-M72
19,25	1,03	14.587	SI..86C80U - 200-L1-4 IE2	76,38		82000	638,0	M55-M63
18,73	1,67	14.990	SI..96C80U - 200-L1-4 IE2	78,49		105000	848,0	M64-M72
16,30	0,87	17.221	SI..86C90U - 200-L1-4 IE2	90,17		82000	638,0	M55-M63
16,64	1,48	16.869	SI..96C90U - 200-L1-4 IE2	88,33		105000	848,0	M64-M72
14,43	1,28	19.458	SI..96C100U - 200-L1-4 IE2	101,88		105000	848,0	M64-M72
13,20	1,18	21.268	SI..96C112U - 200-L1-4 IE2	111,36		105000	848,0	M64-M72
12,17	1,08	23.061	SI..96C125U - 200-L1-4 IE2	120,75		105000	848,0	M64-M72
10,31	0,92	27.225	SI..96C140U - 200-L1-4 IE2	142,55		105000	848,0	M64-M72

P 37,00 kW

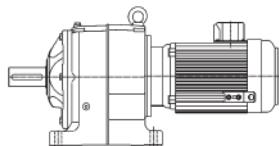
n₁ 1475 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
520,71	2,41	665	SI..66B2,8U - 225-S-4 IE2	2,83		19470	507,0	M36-M45
469,09	2,30	738	SI..66B3,15U - 225-S-4 IE2	3,14		19480	507,0	M36-M45
393,64	2,10	880	SI..66B3,55U - 225-S-4 IE2	3,75		19360	507,0	M36-M45
366,62	2,06	944	SI..66B4U - 225-S-4 IE2	4,02		19250	507,0	M36-M45
317,13	1,88	1.092	SI..66B4,5U - 225-S-4 IE2	4,65		18890	507,0	M36-M45
295,63	2,48	1.171	SI..66B5U - 225-S-4 IE2	4,99		23300	507,0	M36-M45
266,32	2,31	1.300	SI..66B5,6U - 225-S-4 IE2	5,54		23360	507,0	M36-M45
223,48	2,13	1.549	SI..66B6,3U - 225-S-4 IE2	6,60		23250	507,0	M36-M45
208,14	2,10	1.664	SI..66B7,1U - 225-S-4 IE2	7,09		23140	507,0	M36-M45
180,05	1,87	1.923	SI..66B8U - 225-S-4 IE2	8,19		22770	507,0	M36-M45
160,97	1,77	2.151	SI..66B9U - 225-S-4 IE2	9,16		22320	507,0	M36-M45
149,09	1,68	2.322	SI..66B10U - 225-S-4 IE2	9,89		21920	507,0	M36-M45
132,39	1,53	2.615	SI..66B11,2U - 225-S-4 IE2	11,14		21140	507,0	M36-M45
129,92	2,74	2.665	SI..76B11,2U - 225-S-4 IE2	11,35		48200	602,0	M46-M54
116,92	1,38	2.961	SI..66B12,5U - 225-S-4 IE2	12,62		20060	507,0	M36-M45
117,75	2,48	2.941	SI..76B12,5U - 225-S-4 IE2	12,53		48660	602,0	M46-M54
107,22	1,27	3.229	SI..66B14U - 225-S-4 IE2	13,76		19170	507,0	M36-M45
104,78	2,21	3.305	SI..76B14U - 225-S-4 IE2	14,08		49070	602,0	M46-M54
93,50	1,11	3.703	SI..66B16U - 225-S-4 IE2	15,77		17410	507,0	M36-M45
94,11	1,98	3.679	SI..76B16U - 225-S-4 IE2	15,67		49340	602,0	M46-M54
80,70	0,96	4.291	SI..66B18U - 225-S-4 IE2	18,28		15000	507,0	M36-M45
83,99	1,77	4.122	SI..76B18U - 225-S-4 IE2	17,56		49480	602,0	M46-M54
72,63	0,86	4.767	SI..66B20U - 225-S-4 IE2	20,31		12920	507,0	M36-M45



P 37,00 kW	n ₁ 1475 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
		74,40	1,57	4.654	SI..76B20U - 225-S-4 IE2	19,83		49420	602,0	M36-M45
		75,13	1,95	4.609	SI..76C20U - 225-S-4 IE2	19,63		48660	602,0	M28-M35
		66,58	0,87	5.201	SI..66C22,4U - 225-S-4 IE2	22,15		10930	507,0	M36-M45
		66,11	1,39	5.237	SI..76B22,4U - 225-S-4 IE2	22,31		49090	602,0	M28-M35
		66,38	1,73	5.216	SI..76C22,4U - 225-S-4 IE2	22,22		48260	602,0	M36-M45
		65,41	2,83	5.294	SI..86C22,4U - 225-S-4 IE2	22,55		82000	772,0	M28-M35
		57,32	1,21	6.041	SI..76B25U - 225-S-4 IE2	25,73		48370	602,0	M28-M35
		58,60	1,52	5.909	SI..76C25U - 225-S-4 IE2	25,17		47550	602,0	M36-M45
		59,74	2,59	5.796	SI..86C25U - 225-S-4 IE2	24,69		82000	772,0	M28-M35
		52,44	1,11	6.603	SI..76B28U - 225-S-4 IE2	28,13		47670	602,0	M36-M45
		51,64	1,34	6.705	SI..76C28U - 225-S-4 IE2	28,56		46460	602,0	M28-M35
		51,88	2,25	6.674	SI..86C28U - 225-S-4 IE2	28,43		82000	772,0	M36-M45
		48,36	1,02	7.160	SI..76B31,5U - 225-S-4 IE2	30,50		46880	602,0	M28-M35
		47,40	1,23	7.305	SI..76C31,5U - 225-S-4 IE2	31,12		45450	602,0	M36-M45
		47,02	2,04	7.364	SI..86C31,5U - 225-S-4 IE2	31,37		82000	772,0	M28-M35
		40,96	0,86	8.453	SI..76B35,5U - 225-S-4 IE2	36,01		44600	602,0	M36-M45
		41,54	1,08	8.335	SI..76C35,5U - 225-S-4 IE2	35,50		43480	602,0	M28-M35
		41,84	1,81	8.275	SI..86C35,5U - 225-S-4 IE2	35,25		82000	772,0	M36-M45
		41,37	2,99	8.369	SI..96C35,5U - 225-S-4 IE2	35,65		105000	982,0	M28-M35
		37,95	0,99	9.125	SI..76C40U - 225-S-4 IE2	38,87		41740	602,0	M36-M45
		37,58	1,63	9.214	SI..86C40U - 225-S-4 IE2	39,25		82000	772,0	M36-M45
		37,79	2,73	9.162	SI..96C40U - 225-S-4 IE2	39,03		105000	982,0	M36-M45
		32,95	0,86	10.508	SI..76C45U - 225-S-4 IE2	44,76		38440	602,0	M46-M54
		33,54	1,45	10.323	SI..86C45U - 225-S-4 IE2	43,98		82000	772,0	M36-M45
		32,82	2,37	10.551	SI..96C45U - 225-S-4 IE2	44,95		105000	982,0	M46-M54
		29,71	1,29	11.655	SI..86C50U - 225-S-4 IE2	49,65		82000	772,0	M36-M45
		29,74	2,15	11.642	SI..96C50U - 225-S-4 IE2	49,59		105000	982,0	M46-M54
		26,40	1,14	13.116	SI..86C56U - 225-S-4 IE2	55,87		82000	772,0	M36-M45
		26,47	1,91	13.083	SI..96C56U - 225-S-4 IE2	55,73		105000	982,0	M36-M45
		22,89	0,99	15.129	SI..86C63U - 225-S-4 IE2	64,45		82000	772,0	M46-M54
		23,77	1,72	14.567	SI..96C63U - 225-S-4 IE2	62,05		105000	982,0	M46-M54
		20,94	0,91	16.536	SI..86C71U - 225-S-4 IE2	70,44		81610	772,0	M36-M45
		21,22	1,53	16.320	SI..96C71U - 225-S-4 IE2	69,52		105000	982,0	M36-M45
		18,79	1,36	18.425	SI..96C80U - 225-S-4 IE2	78,49		105000	982,0	M46-M54
		16,70	1,21	20.735	SI..96C90U - 225-S-4 IE2	88,33		105000	982,0	M46-M54
		14,48	1,05	23.917	SI..96C100U - 225-S-4 IE2	101,88		105000	982,0	M36-M45
		13,25	0,96	26.141	SI..96C112U - 225-S-4 IE2	111,36		105000	982,0	M36-M45
		12,22	0,88	28.346	SI..96C125U - 225-S-4 IE2	120,75		105000	982,0	M46-M54

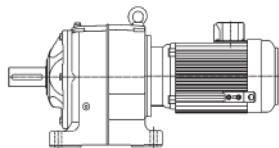
P 45,00 kW	n ₁ 1480 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
		522,48	1,99	806	SI..66B2,8U - 225-M-4 IE2	2,83		17810	529,0	M36-M45
		470,68	1,90	895	SI..66B3,15U - 225-M-4 IE2	3,14		17630	529,0	M36-M45
		394,98	1,74	1.066	SI..66B3,55U - 225-M-4 IE2	3,75		17160	529,0	M36-M45
		367,86	1,70	1.145	SI..66B4U - 225-M-4 IE2	4,02		16900	529,0	M36-M45
		318,21	1,55	1.323	SI..66B4,5U - 225-M-4 IE2	4,65		16150	529,0	M36-M45
		344,78	2,99	1.221	SI..76B4,5U - 225-M-4 IE2	4,29		36670	624,0	M46-M54



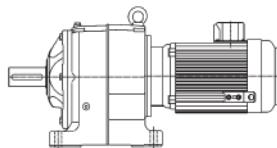
P 37,00 kW

n₁ 1475 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
296,63	2,04	1.420	SI..66B5U - 225-M-4 IE2	4,99		21390	529,0	M36-M45
267,22	1,90	1.576	SI..66B5,6U - 225-M-4 IE2	5,54		21220	529,0	M36-M45
224,24	1,76	1.878	SI..66B6,3U - 225-M-4 IE2	6,60		20730	529,0	M36-M45
208,85	1,74	2.016	SI..66B7,1U - 225-M-4 IE2	7,09		20430	529,0	M36-M45
180,66	1,54	2.331	SI..66B8U - 225-M-4 IE2	8,19		19620	529,0	M36-M45
161,52	1,46	2.607	SI..66B9U - 225-M-4 IE2	9,16		18810	529,0	M36-M45
164,36	2,77	2.562	SI..76B9U - 225-M-4 IE2	9,00		44540	624,0	M46-M54
149,59	1,39	2.815	SI..66B10U - 225-M-4 IE2	9,89		18120	529,0	M36-M45
150,12	2,60	2.805	SI..76B10U - 225-M-4 IE2	9,86		44880	624,0	M46-M54
132,84	1,26	3.170	SI..66B11,2U - 225-M-4 IE2	11,14		16850	529,0	M36-M45
130,36	2,26	3.230	SI..76B11,2U - 225-M-4 IE2	11,35		45300	624,0	M46-M54
117,32	1,14	3.590	SI..66B12,5U - 225-M-4 IE2	12,62		15230	529,0	M36-M45
118,15	2,05	3.564	SI..76B12,5U - 225-M-4 IE2	12,53		45450	624,0	M46-M54
107,58	1,05	3.914	SI..66B14U - 225-M-4 IE2	13,76		13880	529,0	M36-M45
105,14	1,82	4.005	SI..76B14U - 225-M-4 IE2	14,08		45510	624,0	M46-M54
93,82	0,91	4.489	SI..66B16U - 225-M-4 IE2	15,77		11330	529,0	M36-M45
94,43	1,64	4.460	SI..76B16U - 225-M-4 IE2	15,67		45370	624,0	M46-M54
84,28	1,46	4.997	SI..76B18U - 225-M-4 IE2	17,56		44980	624,0	M46-M54
81,59	2,91	5.162	SI..86C18U - 225-M-4 IE2	18,14		82000	794,0	M55-M63
74,65	1,29	5.641	SI..76B20U - 225-M-4 IE2	19,83		44340	624,0	M46-M54
75,38	1,61	5.587	SI..76C20U - 225-M-4 IE2	19,63		43520	624,0	M46-M54
74,88	2,67	5.624	SI..86C20U - 225-M-4 IE2	19,77		82000	794,0	M55-M63
66,34	1,15	6.348	SI..76B22,4U - 225-M-4 IE2	22,31		43400	624,0	M46-M54
66,60	1,42	6.323	SI..76C22,4U - 225-M-4 IE2	22,22		42440	624,0	M46-M54
65,63	2,34	6.417	SI..86C22,4U - 225-M-4 IE2	22,55		82000	794,0	M55-M63
57,51	1,00	7.323	SI..76B25U - 225-M-4 IE2	25,73		41800	624,0	M46-M54
58,80	1,26	7.162	SI..76C25U - 225-M-4 IE2	25,17		40930	624,0	M46-M54
59,95	2,14	7.025	SI..86C25U - 225-M-4 IE2	24,69		82000	794,0	M55-M63
52,62	0,91	8.004	SI..76B28U - 225-M-4 IE2	28,13		40490	624,0	M46-M54
51,82	1,11	8.127	SI..76C28U - 225-M-4 IE2	28,56		38920	624,0	M46-M54
52,06	1,85	8.090	SI..86C28U - 225-M-4 IE2	28,43		82000	794,0	M55-M63
47,56	1,02	8.855	SI..76C31,5U - 225-M-4 IE2	31,12		37250	624,0	M46-M54
47,18	1,68	8.926	SI..86C31,5U - 225-M-4 IE2	31,37		82000	794,0	M55-M63
47,36	2,81	8.891	SI..96C31,5U - 225-M-4 IE2	31,25		105000	1.004,0	M64-M72
41,68	0,89	10.103	SI..76C35,5U - 225-M-4 IE2	35,50		34130	624,0	M46-M54
41,98	1,50	10.031	SI..86C35,5U - 225-M-4 IE2	35,25		82000	794,0	M55-M63
41,51	2,46	10.144	SI..96C35,5U - 225-M-4 IE2	35,65		105000	1.004,0	M64-M72
37,71	1,34	11.169	SI..86C40U - 225-M-4 IE2	39,25		82000	794,0	M55-M63
37,92	2,25	11.106	SI..96C40U - 225-M-4 IE2	39,03		105000	1.004,0	M64-M72
33,65	1,20	12.513	SI..86C45U - 225-M-4 IE2	43,98		82000	794,0	M55-M63
32,93	1,95	12.789	SI..96C45U - 225-M-4 IE2	44,95		105000	1.004,0	M64-M72
29,81	1,06	14.127	SI..86C50U - 225-M-4 IE2	49,65		79990	794,0	M55-M63
29,84	1,77	14.112	SI..96C50U - 225-M-4 IE2	49,59		105000	1.004,0	M64-M72
26,49	0,94	15.898	SI..86C56U - 225-M-4 IE2	55,87		71310	794,0	M55-M63
26,56	1,58	15.858	SI..96C56U - 225-M-4 IE2	55,73		105000	1.004,0	M64-M72
23,85	1,42	17.656	SI..96C63U - 225-M-4 IE2	62,05		105000	1.004,0	M64-M72
21,29	1,26	19.782	SI..96C71U - 225-M-4 IE2	69,52		105000	1.004,0	M64-M72
18,86	1,12	22.333	SI..96C80U - 225-M-4 IE2	78,49		105000	1.004,0	M64-M72
16,76	0,99	25.133	SI..96C90U - 225-M-4 IE2	88,33		105000	1.004,0	M64-M72
14,53	0,86	28.990	SI..96C100U - 225-M-4 IE2	101,88		105000	1.004,0	M64-M72



P 55,00 kW	n ₁ 1480 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
522,48	1,62	985		SI..66B2,8U - 250-M-4 IE2	2,83		15730	702,0	M36-M45	
470,68	1,55	1.094		SI..66B3,15U - 250-M-4 IE2	3,14		15340	702,0	M36-M45	
482,84	2,95	1.066		SI..76B3,15U - 250-M-4 IE2	3,07		33420	797,0	M46-M54	
394,98	1,42	1.303		SI..66B3,55U - 250-M-4 IE2	3,75		14410	702,0	M36-M45	
426,27	2,77	1.207		SI..76B3,55U - 250-M-4 IE2	3,47		33940	797,0	M46-M54	
367,86	1,39	1.399		SI..66B4U - 250-M-4 IE2	4,02		13950	702,0	M36-M45	
375,66	2,59	1.370		SI..76B4U - 250-M-4 IE2	3,94		34350	797,0	M46-M54	
318,21	1,27	1.618		SI..66B4,5U - 250-M-4 IE2	4,65		12740	702,0	M36-M45	
344,78	2,44	1.493		SI..76B4,5U - 250-M-4 IE2	4,29		34580	797,0	M46-M54	
296,63	1,67	1.735		SI..66B5U - 250-M-4 IE2	4,99		19000	702,0	M36-M45	
267,22	1,56	1.926		SI..66B5,6U - 250-M-4 IE2	5,54		18550	702,0	M36-M45	
262,60	2,96	1.960		SI..76B5,6U - 250-M-4 IE2	5,64		40050	797,0	M46-M54	
224,24	1,44	2.295		SI..66B6,3U - 250-M-4 IE2	6,60		17550	702,0	M36-M45	
231,84	2,79	2.220		SI..76B6,3U - 250-M-4 IE2	6,38		40630	797,0	M46-M54	
208,85	1,42	2.465		SI..66B7,1U - 250-M-4 IE2	7,09		17020	702,0	M36-M45	
204,31	2,58	2.519		SI..76B7,1U - 250-M-4 IE2	7,24		41130	797,0	M46-M54	
180,66	1,26	2.849		SI..66B8U - 250-M-4 IE2	8,19		15680	702,0	M36-M45	
187,52	2,48	2.745		SI..76B8U - 250-M-4 IE2	7,89		41400	797,0	M46-M54	
161,52	1,19	3.187		SI..66B9U - 250-M-4 IE2	9,16		14390	702,0	M36-M45	
164,36	2,27	3.132		SI..76B9U - 250-M-4 IE2	9,00		41670	797,0	M46-M54	
149,59	1,13	3.441		SI..66B10U - 250-M-4 IE2	9,89		13360	702,0	M36-M45	
150,12	2,13	3.429		SI..76B10U - 250-M-4 IE2	9,86		41740	797,0	M46-M54	
132,84	1,03	3.875		SI..66B11,2U - 250-M-4 IE2	11,14		11510	702,0	M36-M45	
130,36	1,85	3.948		SI..76B11,2U - 250-M-4 IE2	11,35		41680	797,0	M46-M54	
117,32	0,93	4.387		SI..66B12,5U - 250-M-4 IE2	12,62		9170	702,0	M36-M45	
118,15	1,68	4.356		SI..76B12,5U - 250-M-4 IE2	12,53		41470	797,0	M46-M54	
107,58	0,86	4.784		SI..66B14U - 250-M-4 IE2	13,76		7260	702,0	M36-M45	
105,14	1,49	4.896		SI..76B14U - 250-M-4 IE2	14,08		41030	797,0	M46-M54	
104,86	2,95	4.908		SI..86C14U - 250-M-4 IE2	14,11		80330	967,0	M55-M63	
94,43	1,34	5.451		SI..76B16U - 250-M-4 IE2	15,67		40360	797,0	M46-M54	
92,58	2,70	5.560		SI..86C16U - 250-M-4 IE2	15,99		81550	967,0	M55-M63	
84,28	1,20	6.107		SI..76B18U - 250-M-4 IE2	17,56		39400	797,0	M46-M54	
81,59	2,38	6.309		SI..86C18U - 250-M-4 IE2	18,14		82000	967,0	M55-M63	
74,65	1,06	6.895		SI..76B20U - 250-M-4 IE2	19,83		38050	797,0	M46-M54	
75,38	1,32	6.828		SI..76C20U - 250-M-4 IE2	19,63		37050	797,0	M46-M54	
74,88	2,18	6.874		SI..86C20U - 250-M-4 IE2	19,77		82000	967,0	M55-M63	
66,34	0,94	7.759		SI..76B22,4U - 250-M-4 IE2	22,31		36290	797,0	M46-M54	
66,60	1,16	7.728		SI..76C22,4U - 250-M-4 IE2	22,22		35120	797,0	M46-M54	
65,63	1,91	7.842		SI..86C22,4U - 250-M-4 IE2	22,55		82000	967,0	M55-M63	
66,33	2,96	7.760		SI..96C22,4U - 250-M-4 IE2	22,31		105000	1.177,0	M64-M72	
58,80	1,03	8.754		SI..76C25U - 250-M-4 IE2	25,17		32640	797,0	M46-M54	
59,95	1,75	8.586		SI..86C25U - 250-M-4 IE2	24,69		82000	967,0	M55-M63	
58,56	2,73	8.789		SI..96C25U - 250-M-4 IE2	25,27		105000	1.177,0	M64-M72	
51,82	0,91	9.933		SI..76C28U - 250-M-4 IE2	28,56		29520	797,0	M46-M54	
52,06	1,52	9.887		SI..86C28U - 250-M-4 IE2	28,43		82000	967,0	M55-M63	
51,61	2,51	9.974		SI..96C28U - 250-M-4 IE2	28,68		105000	1.177,0	M64-M72	
47,18	1,37	10.910		SI..86C31,5U - 250-M-4 IE2	31,37		82000	967,0	M55-M63	
47,36	2,30	10.867		SI..96C31,5U - 250-M-4 IE2	31,25		105000	1.177,0	M64-M72	
41,98	1,22	12.260		SI..86C35,5U - 250-M-4 IE2	35,25		76700	967,0	M55-M63	
41,51	2,02	12.398		SI..96C35,5U - 250-M-4 IE2	35,65		105000	1.177,0	M64-M72	
37,71	1,10	13.650		SI..86C40U - 250-M-4 IE2	39,25		70150	967,0	M55-M63	



P 55,00 kW

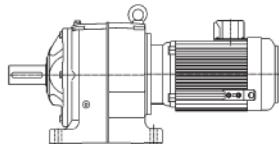
n₁ 1480 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
37,92	1,84	13.574	SI..96C40U - 250-M-4 IE2	39,03		105000	1.177,0	M64-M72
33,65	0,98	15.294	SI..86C45U - 250-M-4 IE2	43,98		61810	967,0	M55-M63
32,93	1,60	15.631	SI..96C45U - 250-M-4 IE2	44,95		105000	1.177,0	M64-M72
29,81	0,87	17.266	SI..86C50U - 250-M-4 IE2	49,65		105000	967,0	M55-M63
29,84	1,45	17.247	SI..96C50U - 250-M-4 IE2	49,59		105000	1.177,0	M64-M72
26,56	1,29	19.382	SI..96C56U - 250-M-4 IE2	55,73		105000	1.177,0	M64-M72
23,85	1,16	21.580	SI..96C63U - 250-M-4 IE2	62,05		105000	1.177,0	M64-M72
21,29	1,03	24.178	SI..96C71U - 250-M-4 IE2	69,52		105000	1.177,0	M64-M72
18,86	0,92	27.296	SI..96C80U - 250-M-4 IE2	78,49		105000	1.177,0	M64-M72

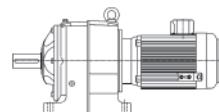
P 75,00 kW

n₁ 1485 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
548,32	2,34	1.280	SI..76B2,8U - 280-S-4 IE2	2,71		30220	908,0	M46-M54
484,47	2,17	1.449	SI..76B3,15U - 280-S-4 IE2	3,07		30460	908,0	M46-M54
427,71	2,04	1.641	SI..76B3,55U - 280-S-4 IE2	3,47		30570	908,0	M46-M54
376,93	1,91	1.862	SI..76B4U - 280-S-4 IE2	3,94		30530	908,0	M46-M54
345,95	1,80	2.029	SI..76B4,5U - 280-S-4 IE2	4,29		30440	908,0	M46-M54
298,22	2,34	2.354	SI..76B5U - 280-S-4 IE2	4,98		36180	908,0	M46-M54
263,49	2,18	2.664	SI..76B5,6U - 280-S-4 IE2	5,64		36440	908,0	M46-M54
232,62	2,05	3.017	SI..76B6,3U - 280-S-4 IE2	6,38		36560	908,0	M46-M54
205,00	1,90	3.424	SI..76B7,1U - 280-S-4 IE2	7,24		36490	908,0	M46-M54
188,15	1,82	3.730	SI..76B8U - 280-S-4 IE2	7,89		36340	908,0	M46-M54
164,91	1,67	4.256	SI..76B9U - 280-S-4 IE2	9,00		35920	908,0	M46-M54
150,63	1,57	4.660	SI..76B10U - 280-S-4 IE2	9,86		35470	908,0	M46-M54
130,80	1,36	5.366	SI..76B11,2U - 280-S-4 IE2	11,35		34460	908,0	M46-M54
118,55	1,23	5.921	SI..76B12,5U - 280-S-4 IE2	12,53		33520	908,0	M46-M54
119,08	2,29	5.894	SI..86C12,5U - 280-S-4 IE2	12,47		72670	1.078,0	M55-M63
105,49	1,10	6.653	SI..76B14U - 280-S-4 IE2	14,08		32060	908,0	M46-M54
105,22	2,17	6.671	SI..86C14U - 280-S-4 IE2	14,11		73230	1.078,0	M55-M63
94,75	0,99	7.408	SI..76B16U - 280-S-4 IE2	15,67		30420	908,0	M46-M54
92,89	1,99	7.556	SI..86C16U - 280-S-4 IE2	15,99		73520	1.078,0	M55-M63
84,56	0,88	8.300	SI..76B18U - 280-S-4 IE2	17,56		28280	908,0	M46-M54
81,86	1,75	8.574	SI..86C18U - 280-S-4 IE2	18,14		73490	1.078,0	M55-M63
75,13	1,61	9.342	SI..86C20U - 280-S-4 IE2	19,77		73190	1.078,0	M55-M63
75,33	2,31	9.318	SI..96C20U - 280-S-4 IE2	19,71		105000	1.288,0	M64-M72
65,85	1,41	10.658	SI..86C22,4U - 280-S-4 IE2	22,55		67490	1.078,0	M55-M63
66,55	2,18	10.546	SI..96C22,4U - 280-S-4 IE2	22,31		105000	1.288,0	M64-M72
60,15	1,29	11.669	SI..86C25U - 280-S-4 IE2	24,69		62750	1.078,0	M55-M63
58,76	2,01	11.945	SI..96C25U - 280-S-4 IE2	25,27		105000	1.288,0	M64-M72
52,23	1,12	13.437	SI..86C28U - 280-S-4 IE2	28,43		53840	1.078,0	M55-M63
51,78	1,84	13.554	SI..96C28U - 280-S-4 IE2	28,68		105000	1.288,0	M64-M72
47,34	1,01	14.827	SI..86C31,5U - 280-S-4 IE2	31,37		46390	1.078,0	M55-M63
47,53	1,69	14.768	SI..96C31,5U - 280-S-4 IE2	31,25		105000	1.288,0	M64-M72
42,12	0,90	16.662	SI..86C35,5U - 280-S-4 IE2	35,25		36080	1.078,0	M55-M63
41,65	1,48	16.850	SI..96C35,5U - 280-S-4 IE2	35,65		105000	1.288,0	M64-M72
38,05	1,36	18.447	SI..96C40U - 280-S-4 IE2	39,03		105000	1.288,0	M64-M72



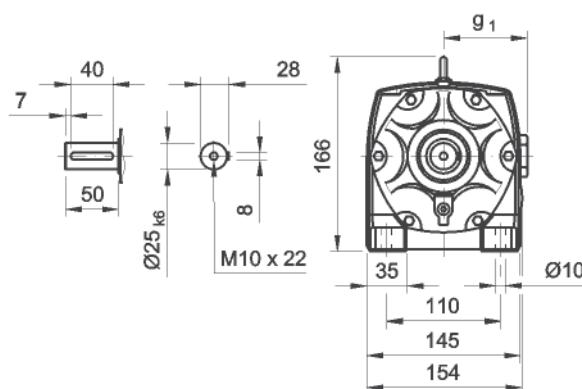
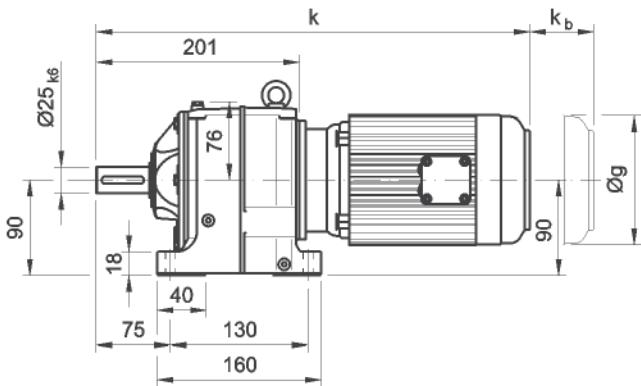
P 90,00 kW n₁ 1485 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
33,04	1,18	21.243	SI..96C45U - 280-S-4 IE2	44,95		105000	1.288,0	M64-M72
29,94	1,07	23.440	SI..96C50U - 280-S-4 IE2	49,59		105000	1.288,0	M64-M72
26,65	0,95	26.341	SI..96C56U - 280-S-4 IE2	55,73		105000	1.288,0	M64-M72
23,93	0,85	29.328	SI..96C63U - 280-S-4 IE2	62,05		105000	1.288,0	M64-M72
75,33	1,92	11.181	SI..96C20U - 280-M-4 IE2	19,71		105000	1.323,0	M64-M72
66,55	1,82	12.655	SI..96C22,4U - 280-M-4 IE2	22,31		105000	1.323,0	M64-M72
58,76	1,67	14.334	SI..96C25U - 280-M-4 IE2	25,27		105000	1.323,0	M64-M72
51,78	1,54	16.265	SI..96C28U - 280-M-4 IE2	28,68		105000	1.323,0	M64-M72
47,53	1,41	17.722	SI..96C31,5U - 280-M-4 IE2	31,25		105000	1.323,0	M64-M72
41,65	1,24	20.220	SI..96C35,5U - 280-M-4 IE2	35,65		105000	1.323,0	M64-M72
38,05	1,13	22.137	SI..96C40U - 280-M-4 IE2	39,03		105000	1.323,0	M64-M72
33,04	0,98	25.492	SI..96C45U - 280-M-4 IE2	44,95		92620	1.323,0	M64-M72
29,94	0,89	28.128	SI..96C50U - 280-M-4 IE2	49,59		79640	1.323,0	M64-M72

**4.5 Maßbilder Getriebemotoren**

Dimensional drawings of geared motors
Schémas dimensionnels des moteurs adaptés

SIFN16B/C
63 - 112

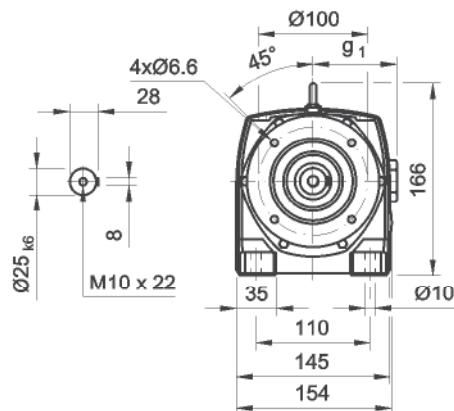
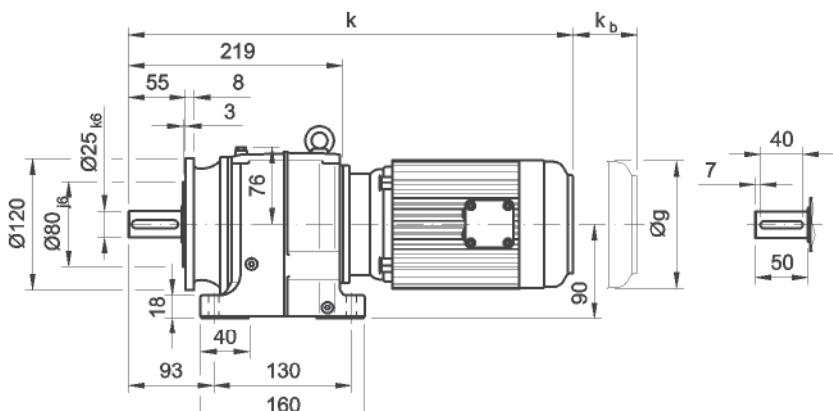
SIFN16..



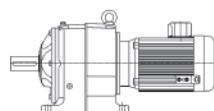
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	455	503	564	564	570													
ku																		
kz																		
kc																		
kb	56	89	101	101	90													
eg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		

SIFR16B/C
63 - 112

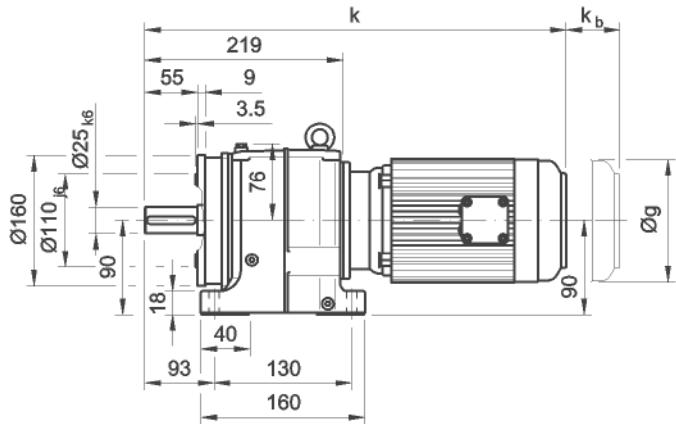
SIFR16..



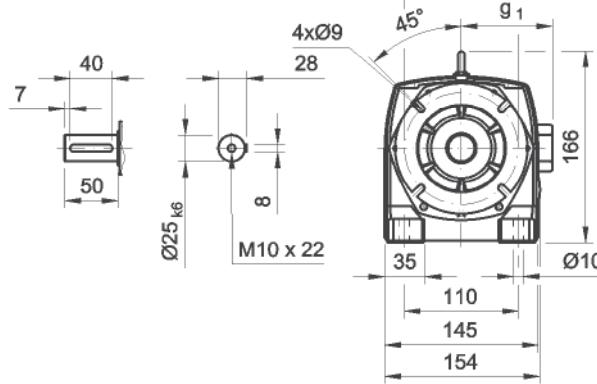
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	473	521	582	582	588													
ku																		
kz																		
kc																		
kb	56	89	101	101	90													
eg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		



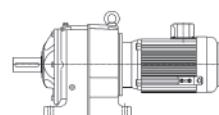
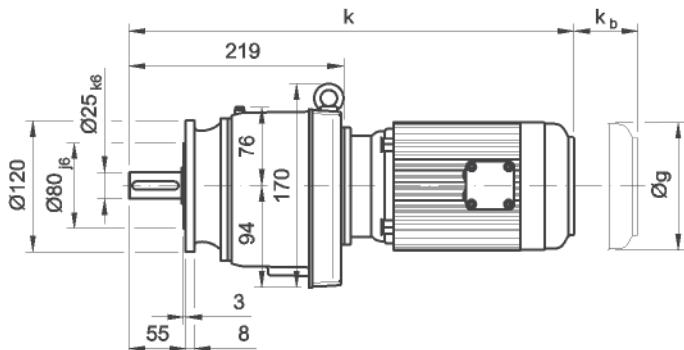
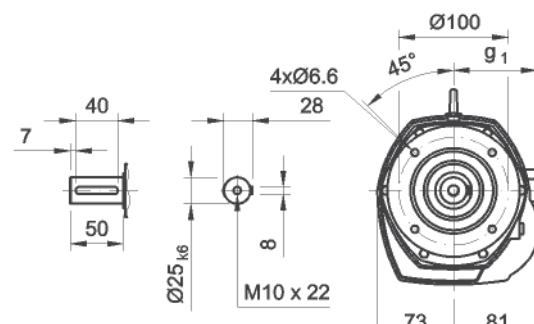
4. SI4

SIFE16B/C
63 - 112

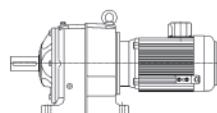
SIFE16..



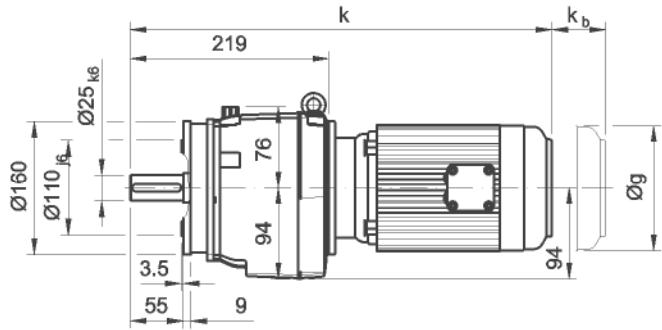
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	473	521	582	582	588													
ku																		
kz																		
kc																		
kb	56	89	101	101	90													
øg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		


SICR16B/C
63 - 112
**SICR16..**

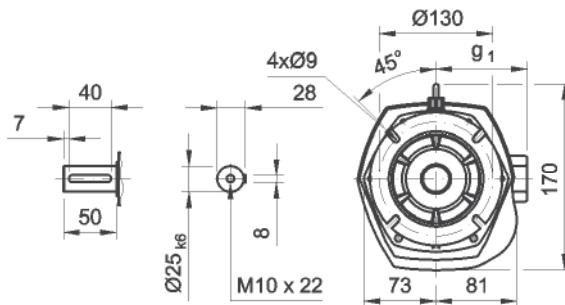
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	473	521	582	582	588													
ku																		
kz																		
kc																		
kb	56	89	101	101	90													
øg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		



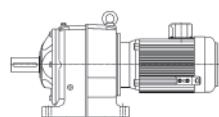
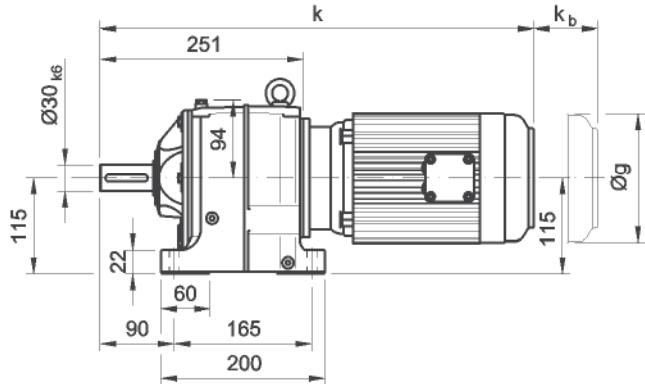
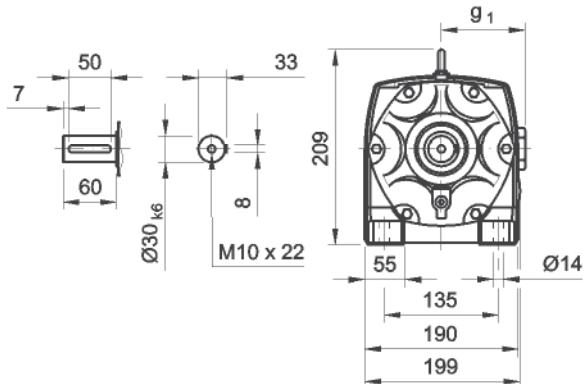
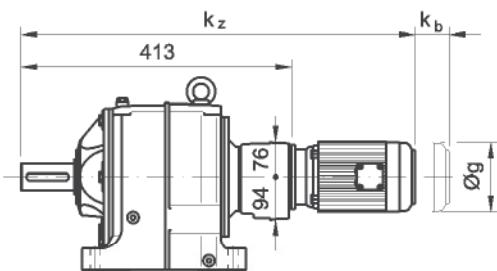
4. SI4

SICE16B/C
63 - 112

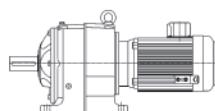
SICE16..



	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	473	521	582	582	588													
k_u																		
k_z																		
k_c																		
k_b	56	89	101	101	90													
$\varnothing g$	139	156	174	174	196													
g_1	102	125	133	133	144													
$\varnothing a_m$																		

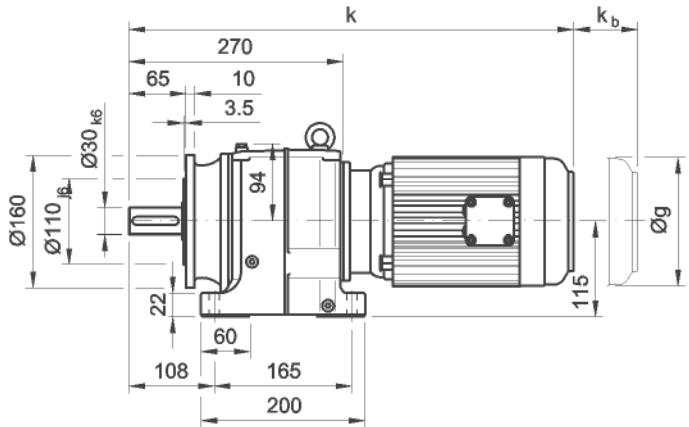

SIFN26B/C
63 - 160
**SIFN26..**
SIFN26C16B/C
63 - 112


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		544	605	605	611	638	686	724										
ku																		
kz	667	715	776	776	782													
kc																		
kb	56	89	101	101	90	89	109	109										
eg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		

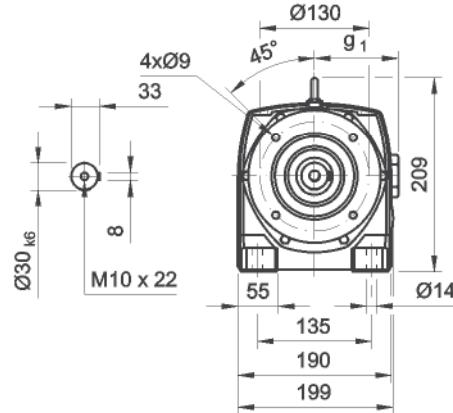


4. SI4

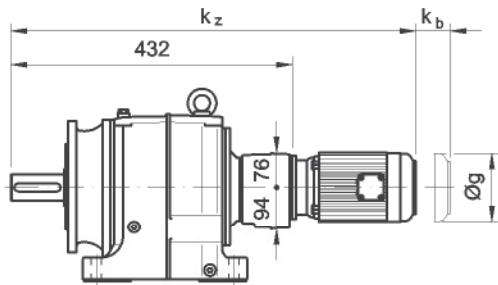
SIFR26B/C
63 - 160



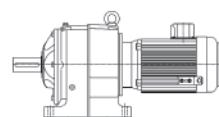
SIFR26..



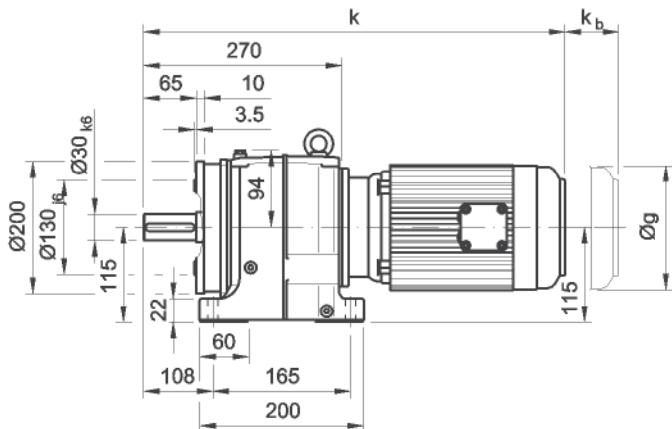
SIFR26C16B/C
63 - 112



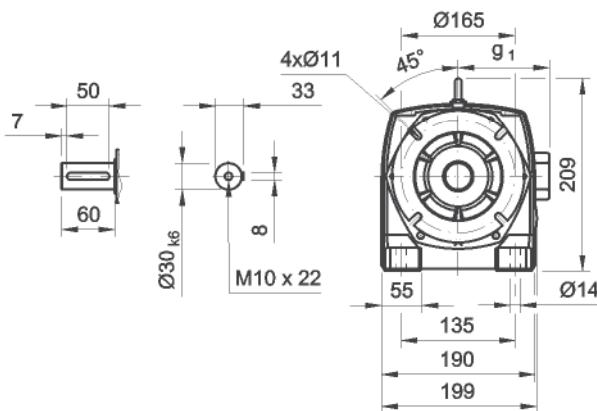
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		563	624	624	630	657	705	743										
ku																		
kz	686	734	795	795	801													
kc																		
kb	56	89	101	101	90	89	109	109										
eg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		



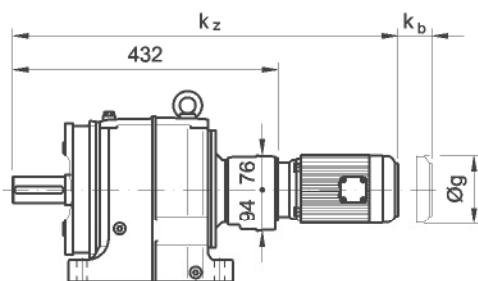
SIFE26B/C
63 - 160



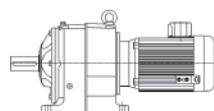
SIFE26..



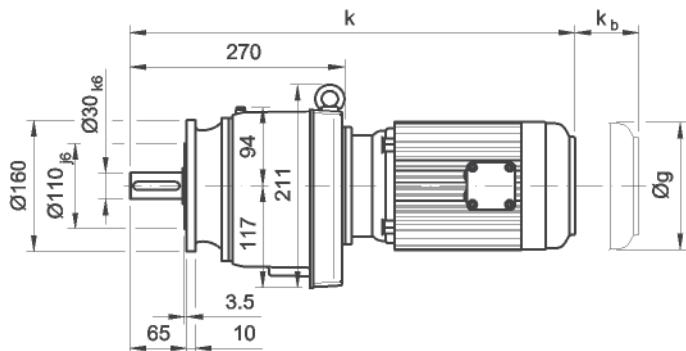
SIFE26C16B/C
63 - 112



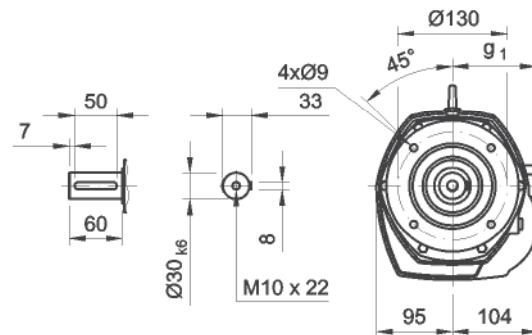
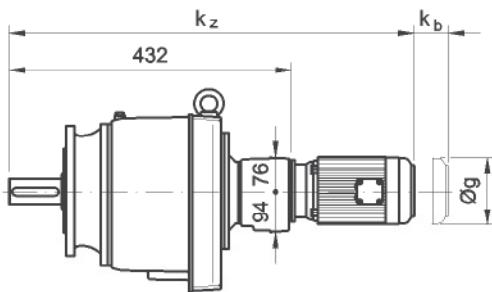
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		563	624	624	630	657	705	743										
ku																		
kz	686	734	795	795	801													
kc																		
kb	56	89	101	101	90	89	109	109										
øg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		



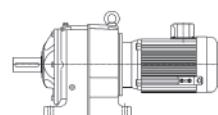
4. SI4

SICR26B/C
63 - 160

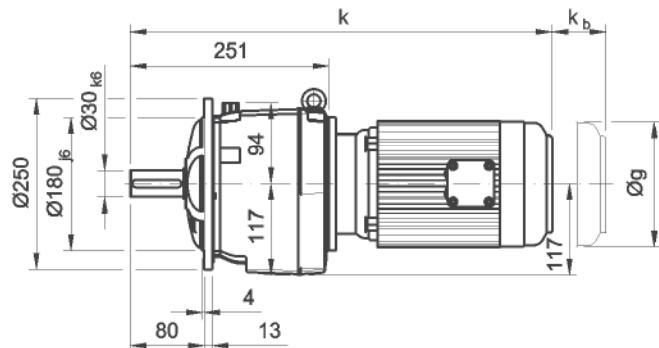
SICR26..

SICR26C16B/C
63 - 112

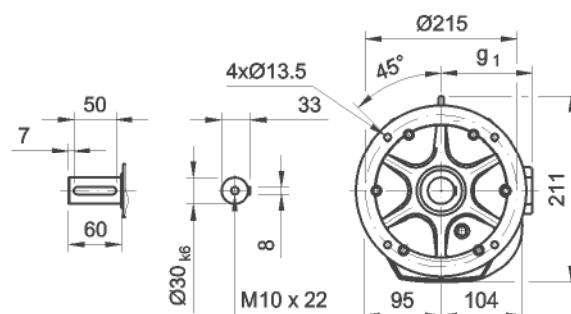
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		563	624	624	630	657	705	743										
ku																		
kz	686	734	795	795	801													
kc																		
kb	56	89	101	101	90	89	109	109										
og	139	156	174	174	196	213	255	255										
q1	102	125	133	133	144	165	182	182										
q1																		
øam																		



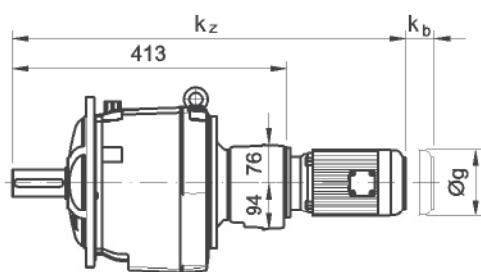
SICF26B/C
63 - 160



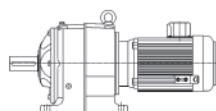
SICF26..



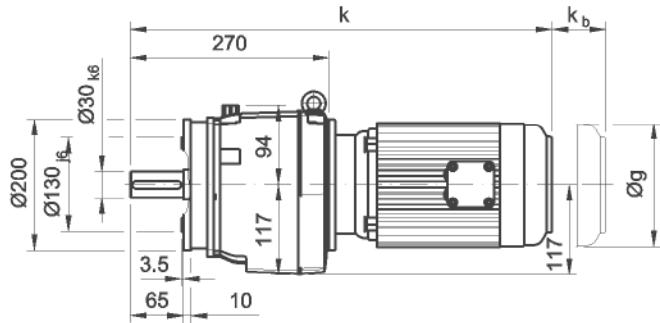
SICF26C16B/C
63 - 112



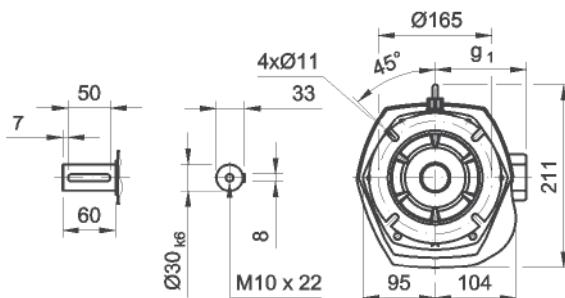
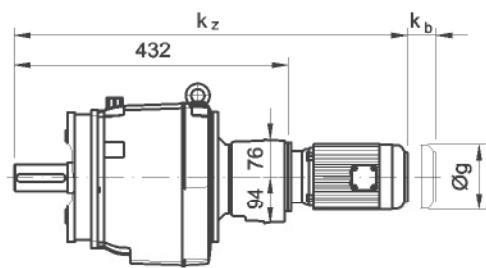
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		544	605	605	611	638	686	724										
ku																		
kz	667	715	776	776	782													
kc																		
kb	56	89	101	101	90	89	109	109										
øg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		



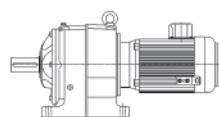
4. SI4

SICE26B/C
63 - 160

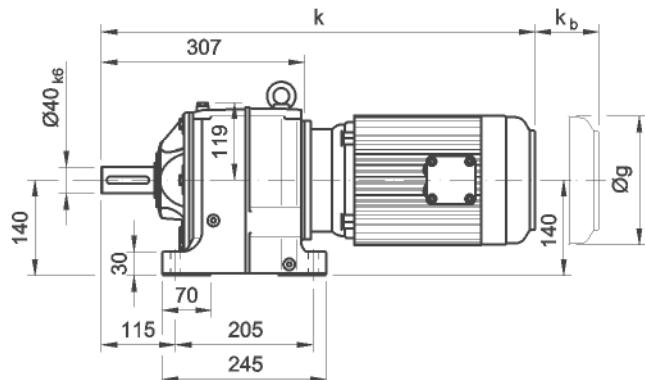
SICE26..

SICE26C16B/C
63 - 112

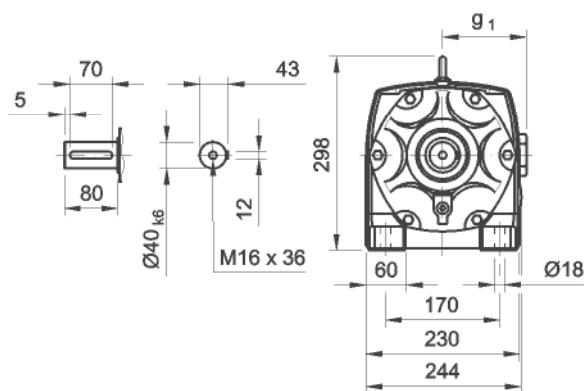
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		563	624	624	630	657	705	743										
ku																		
kz	686	734	795	795	801													
kc																		
kb	56	89	101	101	90	89	109	109										
og	139	156	174	174	196	213	255	255										
q1	102	125	133	133	144	165	182	182										
øam																		



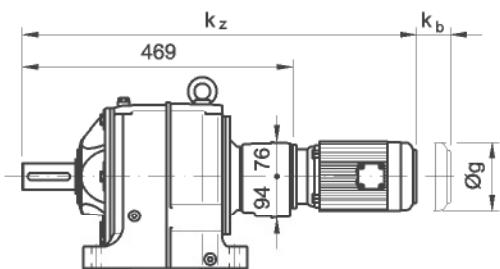
SIFN36B/C
63 - 160



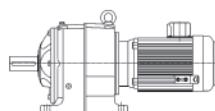
SIFN36..



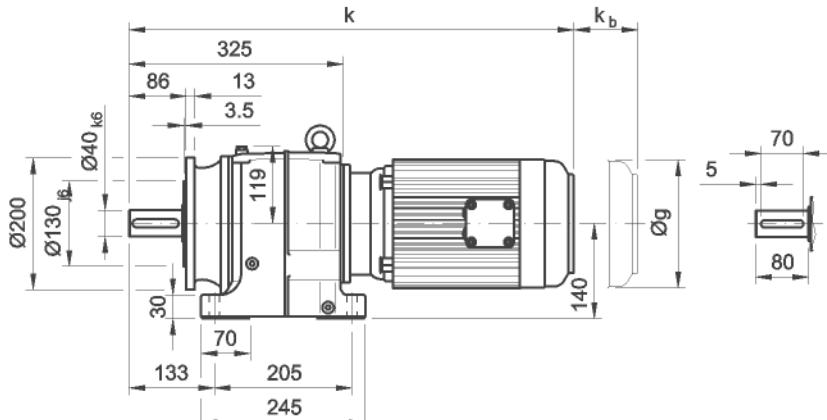
SIFN36C16B/C
63 - 112



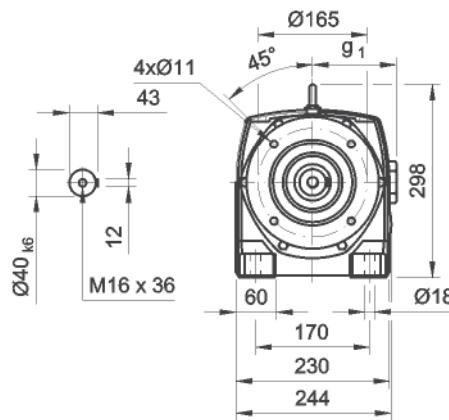
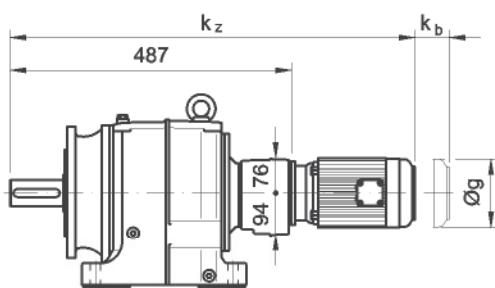
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		597	658	658	664	691	739	777										
ku																		
kz	723	771	832	832	838													
kc																		
kb	56	89	101	101	90	89	109	109										
dg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		



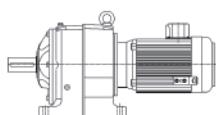
4. SI4

SIFR36B/C
63 - 160

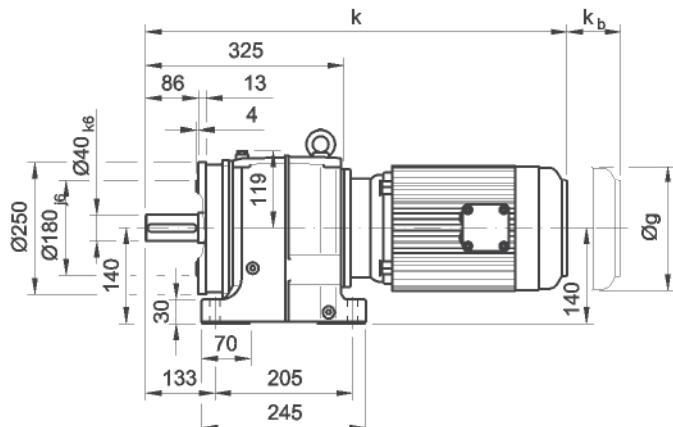
SIFR36..

SIFR36C16B/C
63 - 112

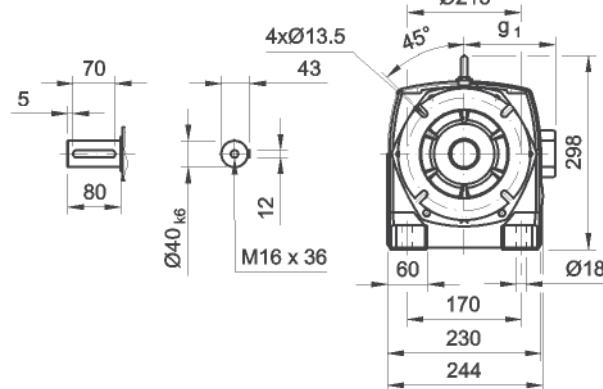
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		618	679	679	685	712	760	798										
ku																		
kz	741	789	850	850	856													
kc																		
kb	56	89	101	101	90	89	109	109										
og	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		



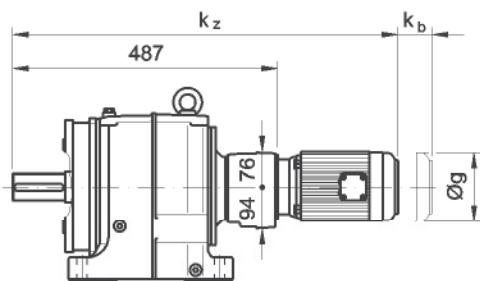
SIFE36B/C
63 - 160

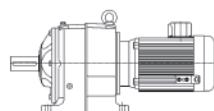


SIFE36..

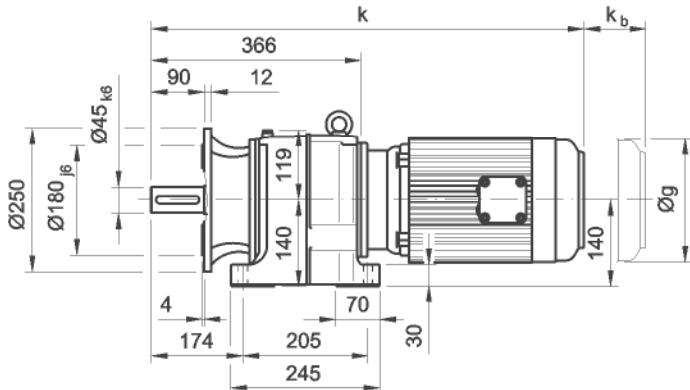


SIFE36C16B/C
63 - 112

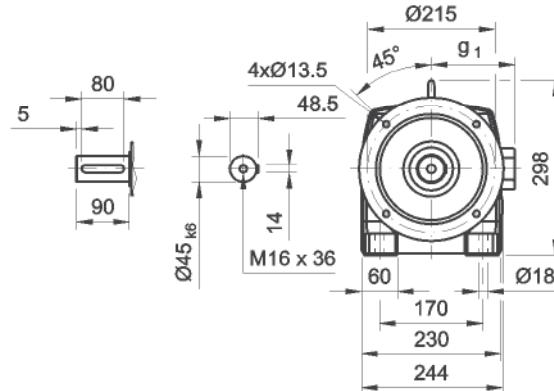
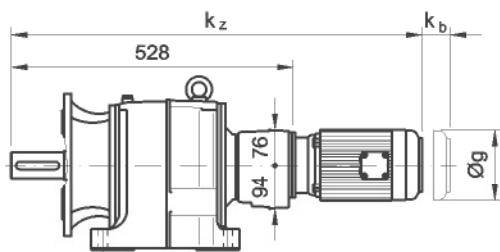




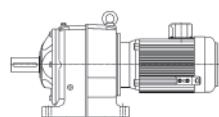
4. SI4

SIFM36/C
63 - 160

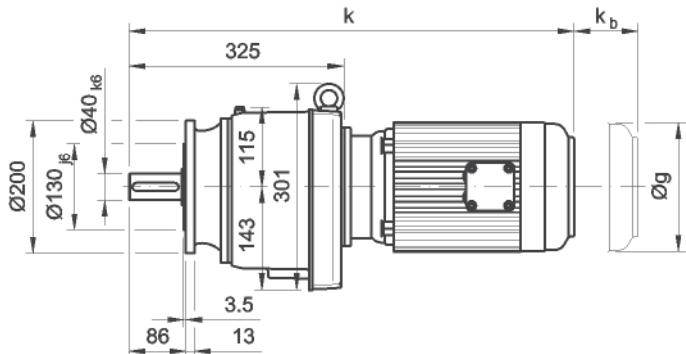
SIFM36..

SIFM36B16B/C
63 - 112

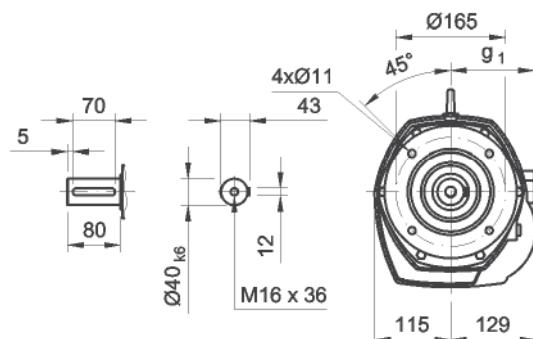
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		659	720	720	726	753	801	839										
ku																		
kz	782	830	891	891	897													
kc																		
kb	56	89	101	101	90	89	109	109										
øg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		



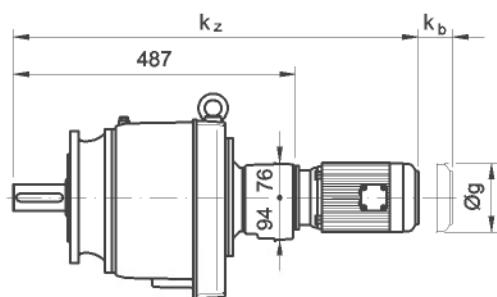
SICR36B/C
63 - 160



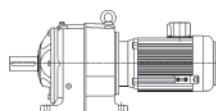
SICR36..



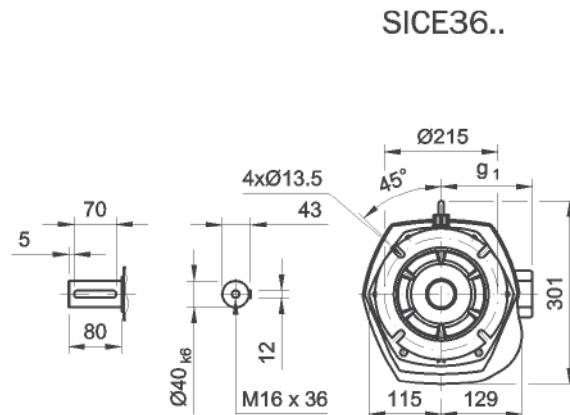
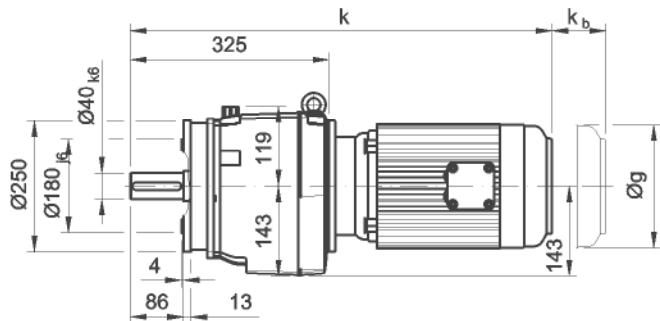
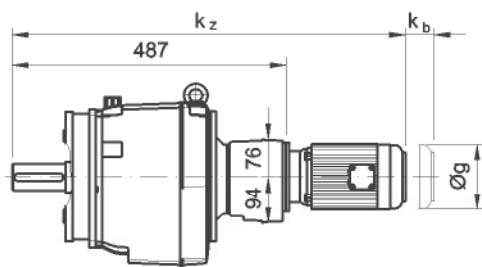
SICR36C16B/C
63 - 112



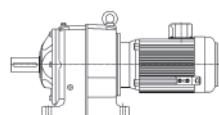
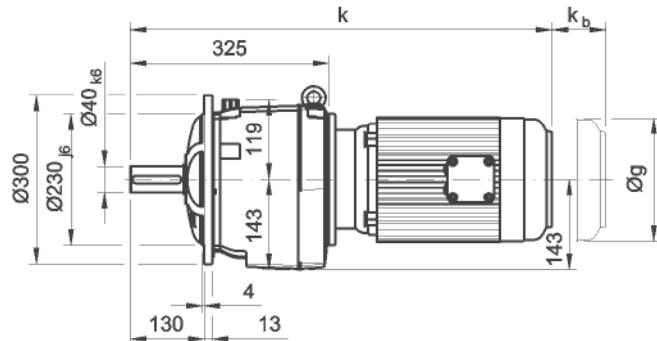
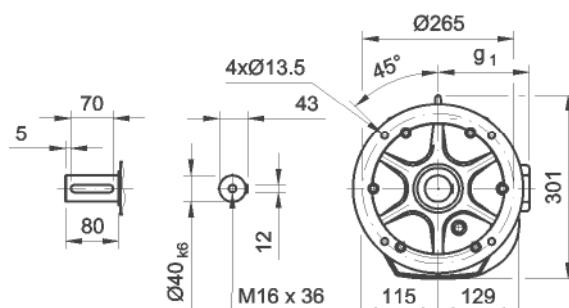
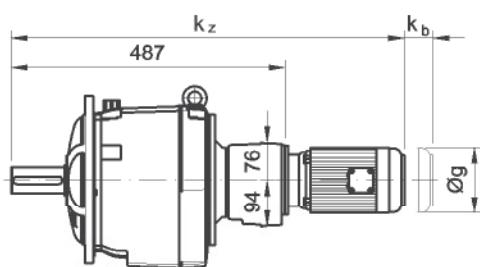
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		618	679	679	685	712	760	798										
ku																		
kz	741	789	850	850	856													
kc																		
kb	56	89	101	101	90	89	109	109										
øg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		



4. SI4

SICE36B/C
63 - 160SICE36C16B/C
63 - 112

	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		618	679	679	685	712	760	798										
k_u																		
k_z	741	789	850	850	856													
k_c																		
k_b	56	89	101	101	90	89	109	109										
$\varnothing g$	139	156	174	174	196	213	255	255										
g_1	102	125	133	133	144	165	182	182										
$\varnothing am$																		

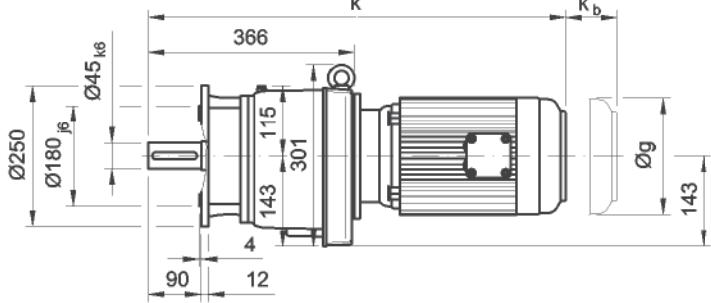

SICF36B/C
63 - 160

SICF36..

SICF36C16B/C
63 - 112


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		659	720	720	726	753	801	839										
ku																		
kz	782	830	891	891	897													
kc																		
kb	56	89	101	101	90	89	109	109										
øg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		

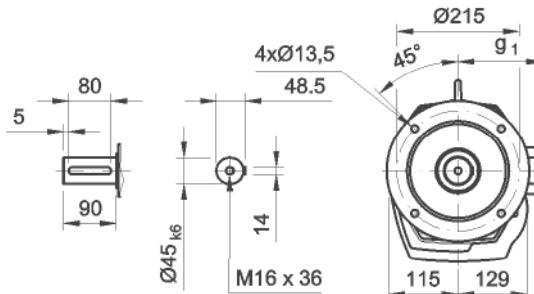
4. SI4

SICM36B

63 - 160

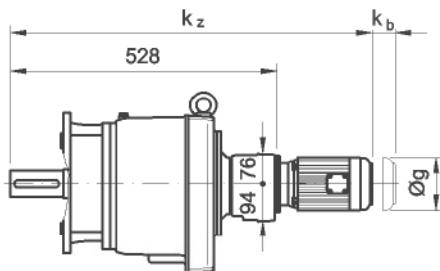


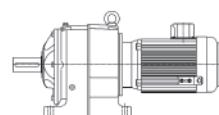
SICM36..



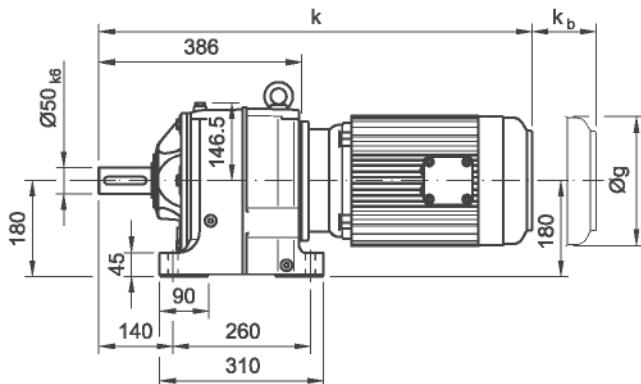
SICM36B16B/C
63 - 112

63 - 112

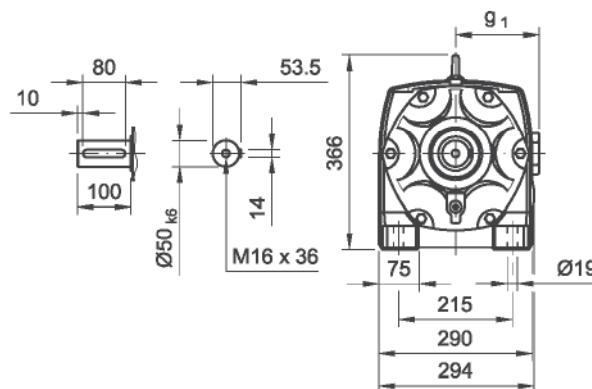




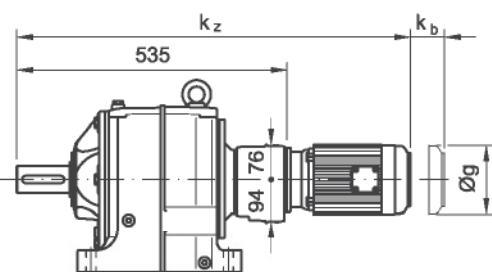
SIFN46B/C
80 - 200



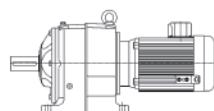
SIFN46..



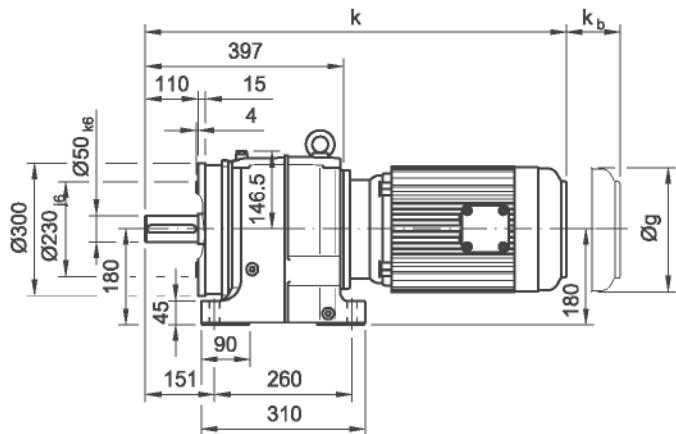
SIFN46C16B/C
63 - 112



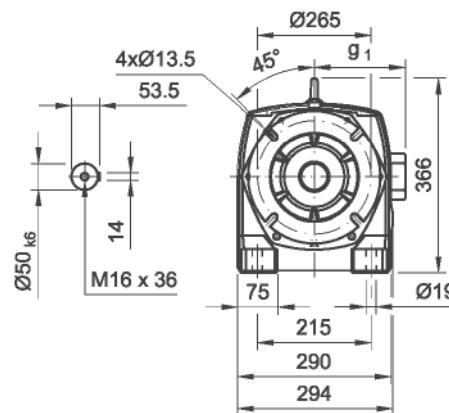
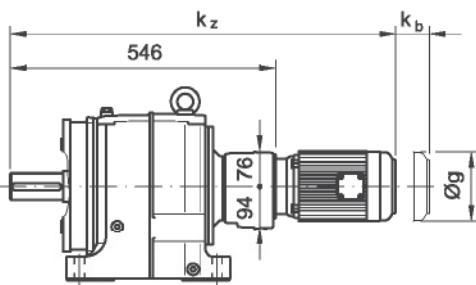
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		678	739	739	745	772	820	858	921	921	980	980						
ku																		
kz	800	848	909	909	915													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



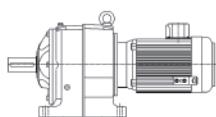
4. SI4

SIFE46B/C
80 - 200

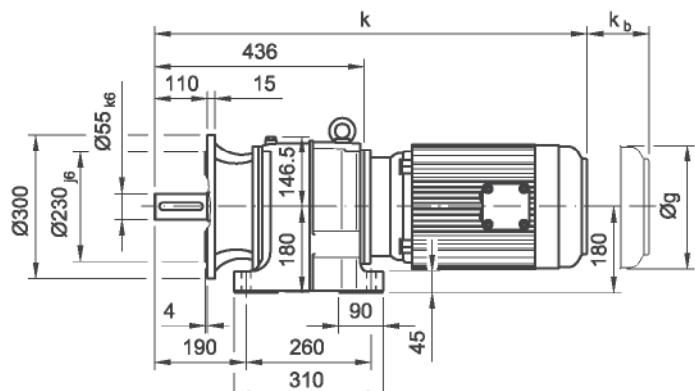
SIFE46..

SIFE46C16B/C
63 - 112

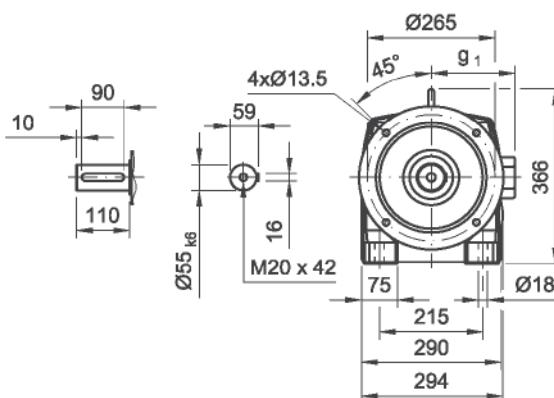
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	717	778	778	784	811	859	897	960	960	1019	1019							
ku																		
kz	839	887	948	948	954													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
q1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



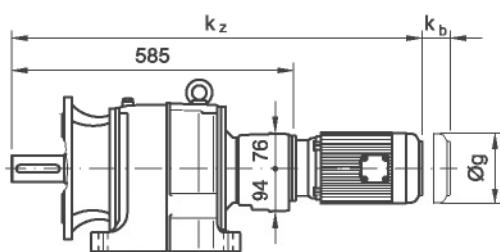
SIFM46B/C
80 - 200

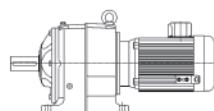


SIFM46..



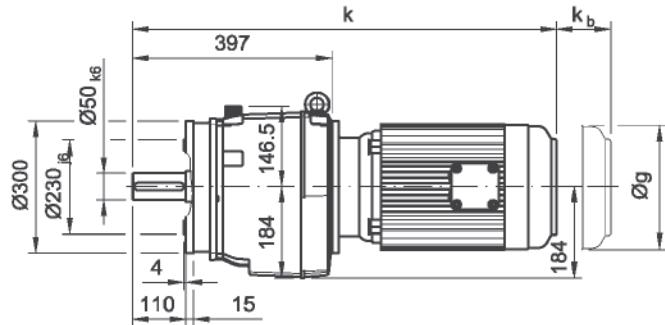
SIFM46C16B/C
63 - 112



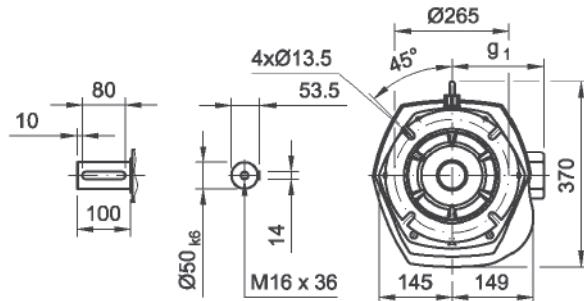


4. SI4

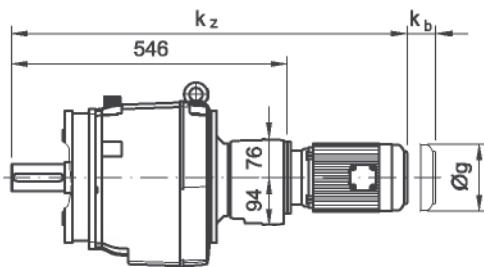
SICE46B/C
80 - 200



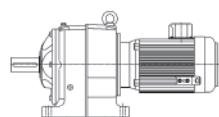
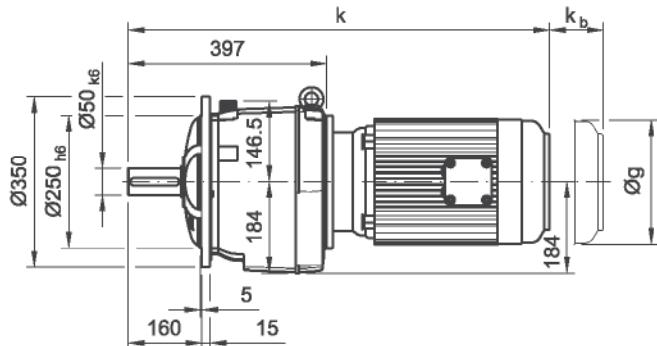
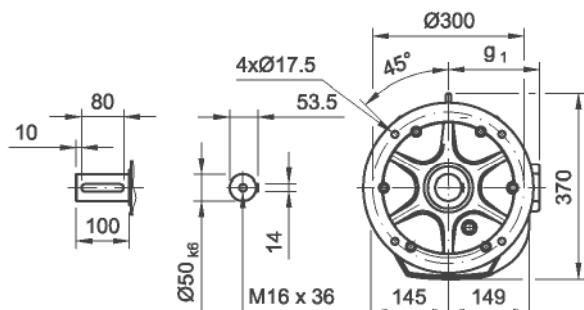
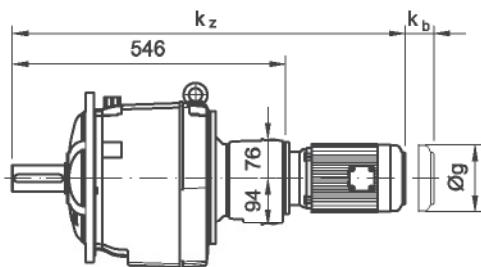
SICE46..



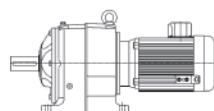
SICE46C16B/C
63 - 112



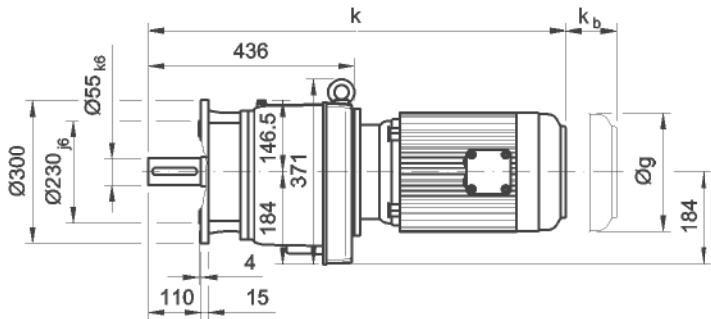
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		678	739	739	745	772	820	858	921	921	980	980						
ku																		
kz	800	848	909	909	915													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		


SICF46B/C
80 - 200
**SICF46..**
SICF46C16B/C
63 - 112


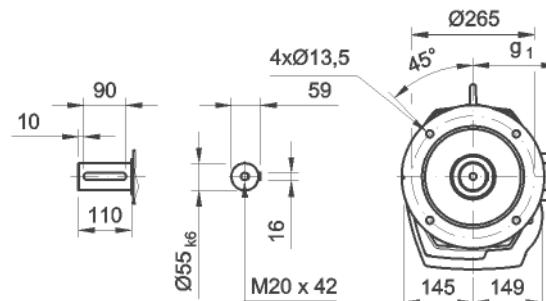
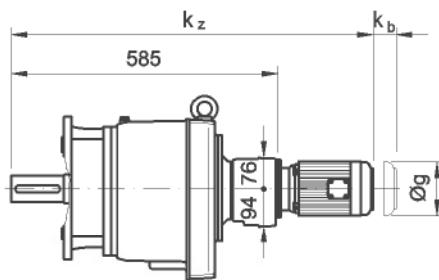
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		678	739	739	745	772	820	858	921	921	980	980						
ku																		
kz	800	848	909	909	915													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



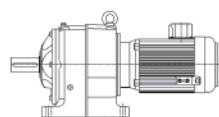
4. SI4

SICM46B/C
80 - 180

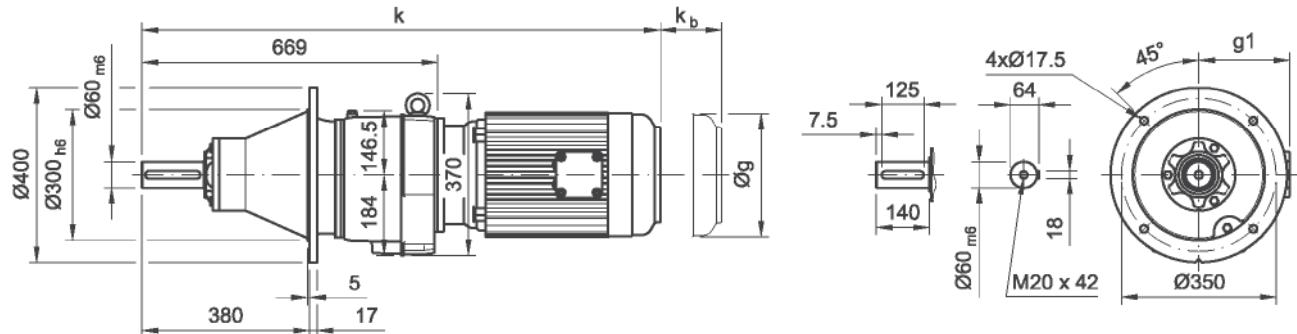
SICM46..

SICM46C16B/C
63 - 112

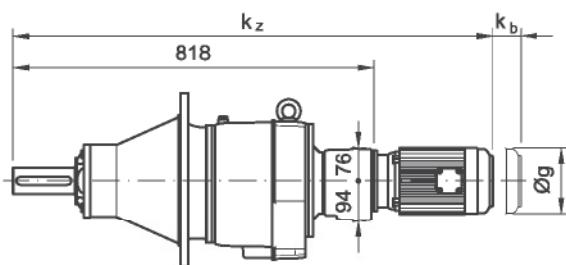
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		717	778	778	784	811	859	897	960	960	1019	1019						
ku																		
kz	839	887	948	948	954													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
q1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



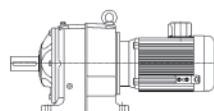
SICL46B/C
80 - 200



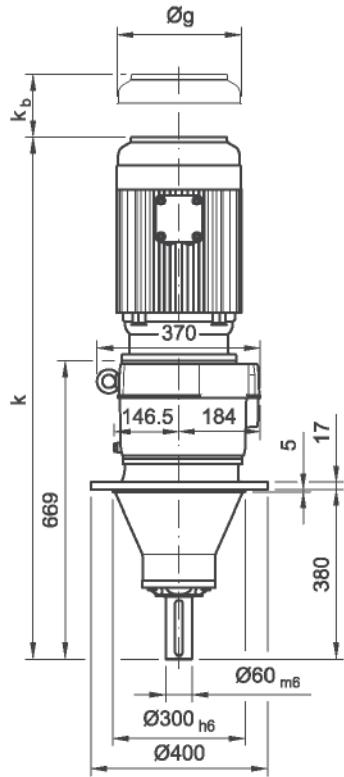
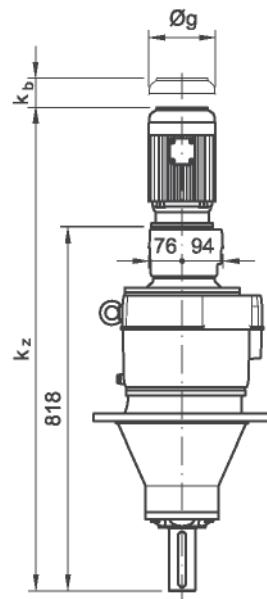
SICL46C16B/C
63 - 112



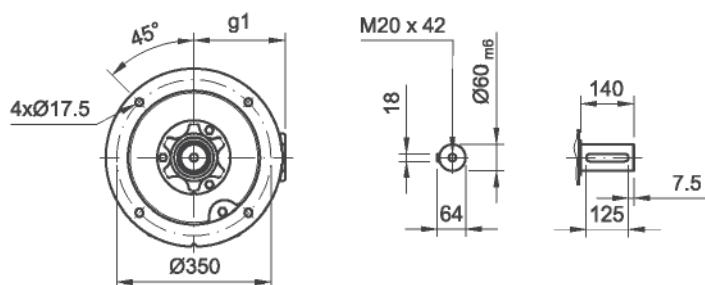
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		950	1011	1011	1017	1044	1092	1130	1193	1193	1252	1252						
ku																		
kz	1072	1120	1181	1181	1187													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



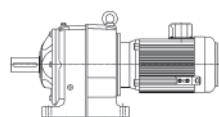
4. SI4

SICP46B/C
80 - 200SICP46C16B/C
63 - 112

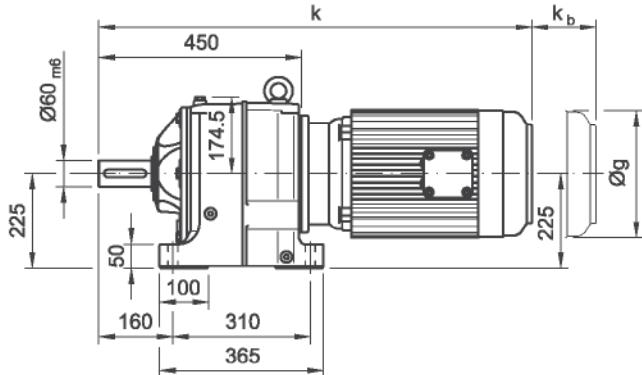
SICP46..



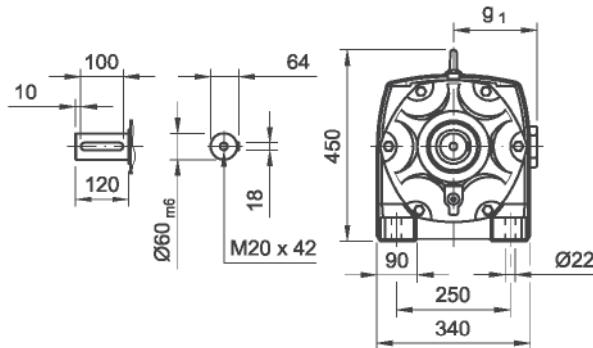
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		950	1011	1011	1017	1044	1092	1130	1193	1193	1252	1252						
k_u																		
k_z	1072	1120	1181	1181	1187													
k_c																		
k_b	56	89	101	101	90	89	109	109	128	128	151	151						
$\varnothing g$	139	156	174	174	196	213	255	255	314	314	354	354						
$g1$	102	125	133	133	144	165	182	182	287	287	312	312						
$\varnothing am$																		



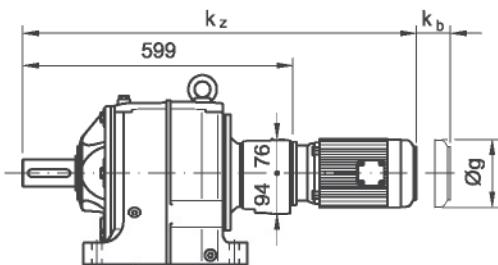
SIFN56B/C
80 - 200



SIFN56..



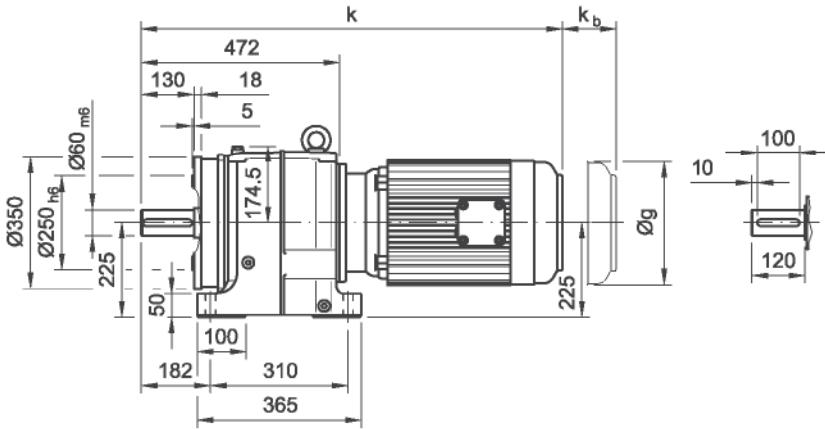
SIFN56C16B/C
63 - 112



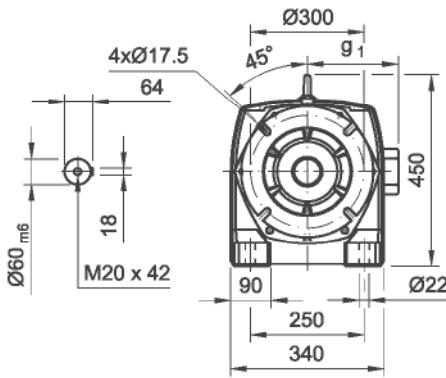
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		731	792	792	798	825	873	911	974	974	1033	1033						
ku																		
kz	853	901	962	962	968													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		

4. SI4

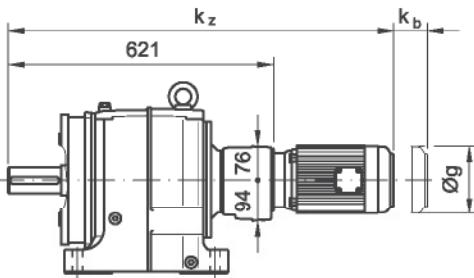
SIFE56B/C
80 - 200

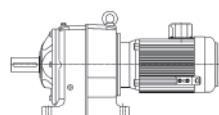
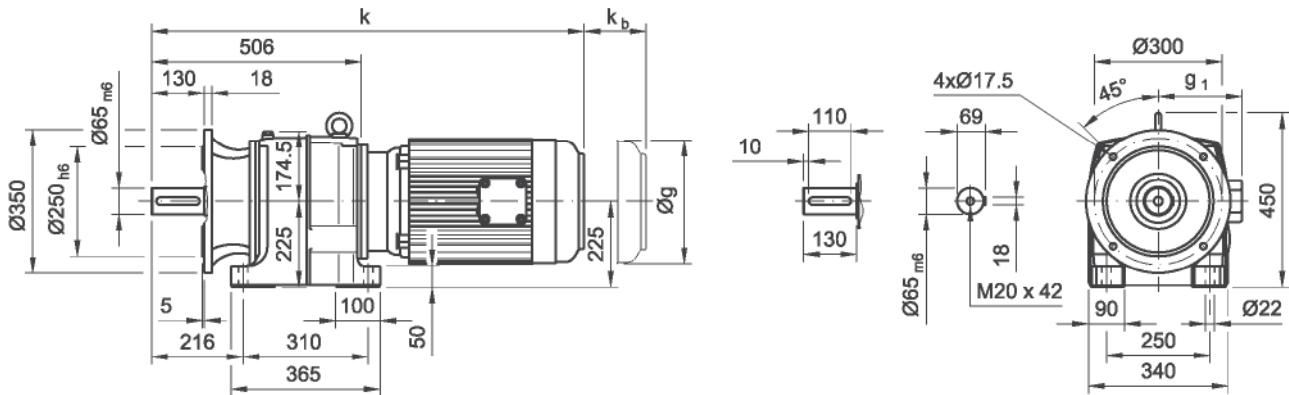


SIFE56..

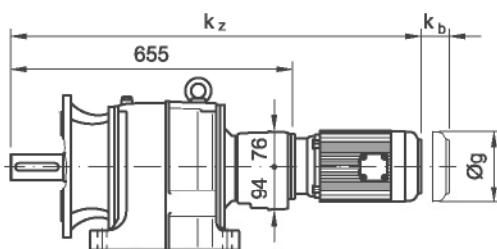


SIFE56C16B/C
63 - 112

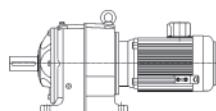



SIFM56B/C
80 - 200
SIFM56..

4

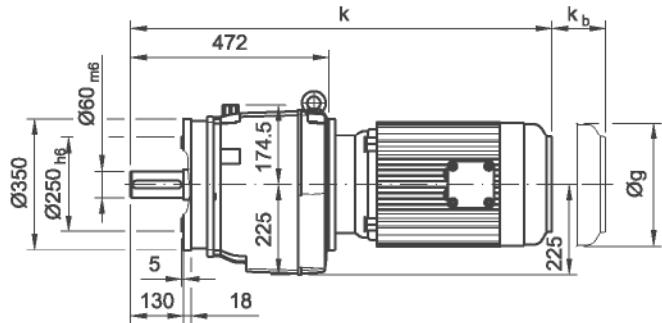
SIFM56C16B/C
63 - 112


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		787	848	848	854	881	929	967	1030	1030	1089	1089						
ku																		
kz	909	957	1018	1018	1024													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		

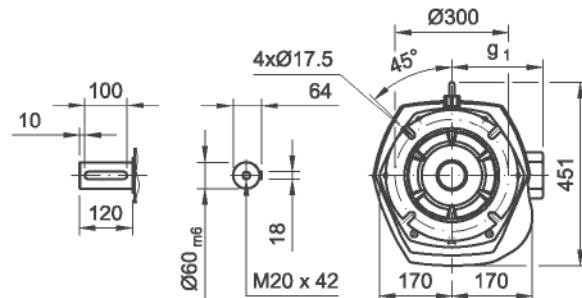


4. SI4

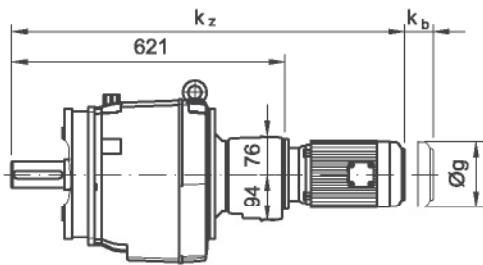
SICE56B/C
80 - 200



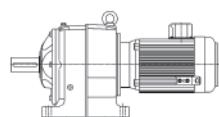
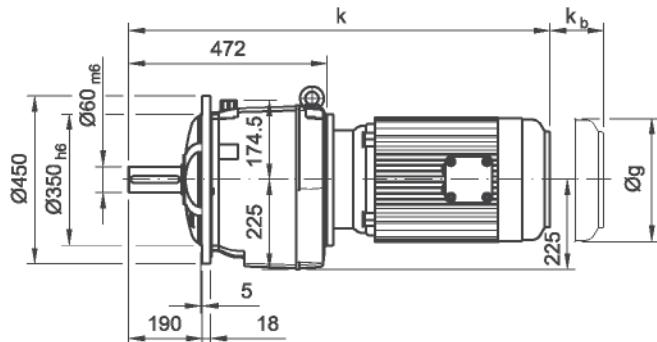
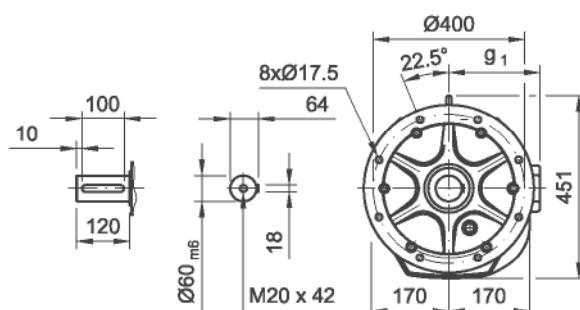
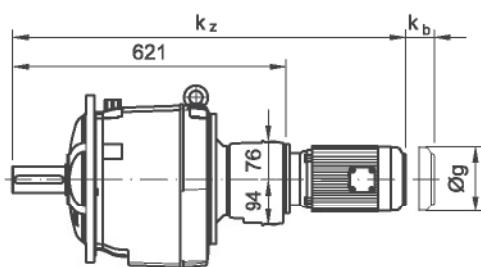
SICE56..



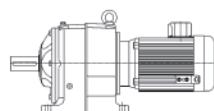
SICE56C16B/C
63 - 112



	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		753	814	814	820	847	895	933	996	996	1055	1055						
ku																		
kz	875	923	984	984	990													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		

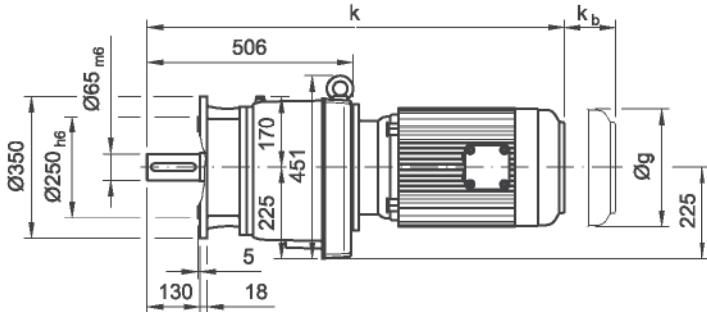

SICF56B/C
80 - 200

SICF56..

SICF56C16B/C
63 - 112


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		753	814	814	820	847	895	933	996	996	1055	1055						
ku																		
kz	875	923	984	984	990													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		

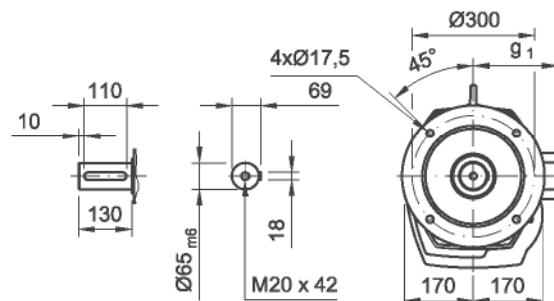


4. SI4

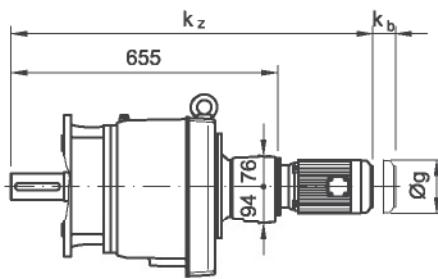
SICM56B/C
80 - 200



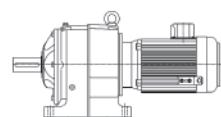
SICM56..



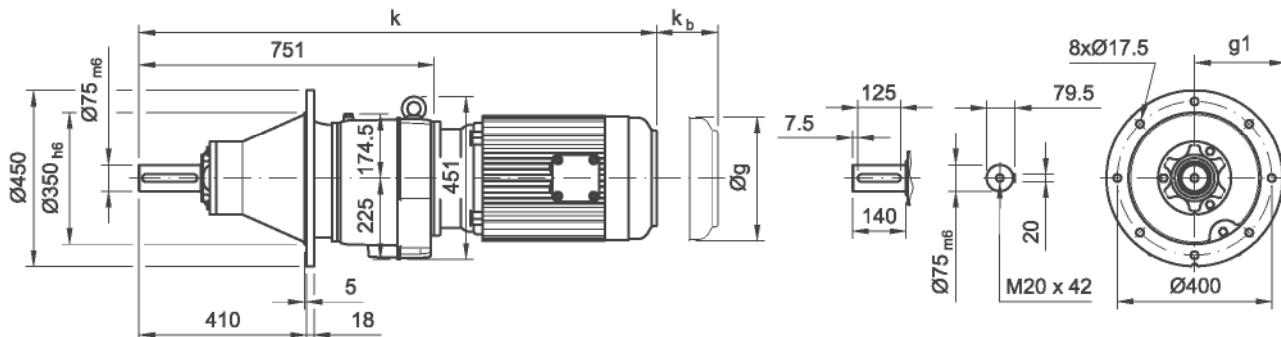
SICM56C16B/C
63 - 112



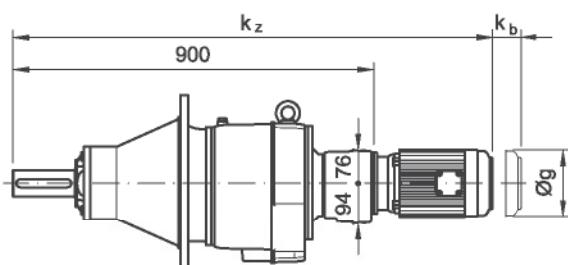
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		787	848	848	854	881	929	967	1030	1030	1089	1089						
ku																		
kz	909	957	1018	1018	1024													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
og	139	156	174	174	196	213	255	255	314	314	354	354						
q1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		

SICL56B/C
80 - 200

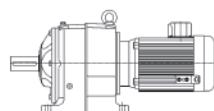
SICL56..



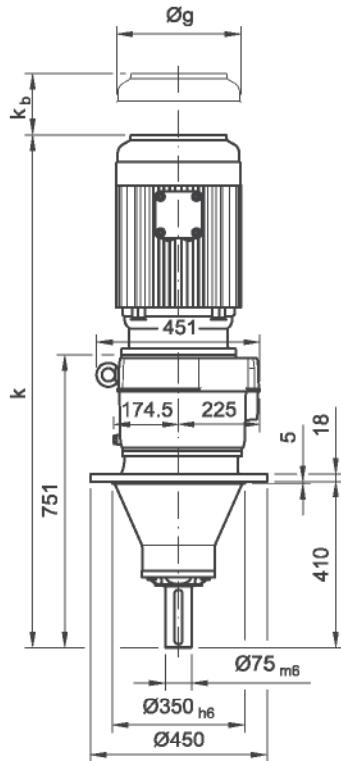
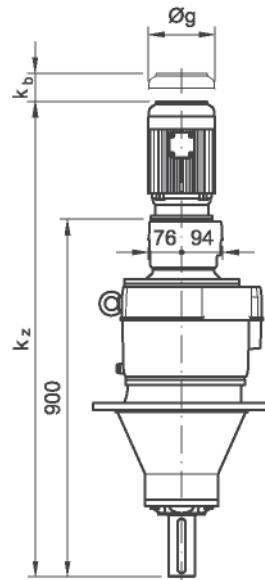
4

SICL56C16B/C
63 - 112

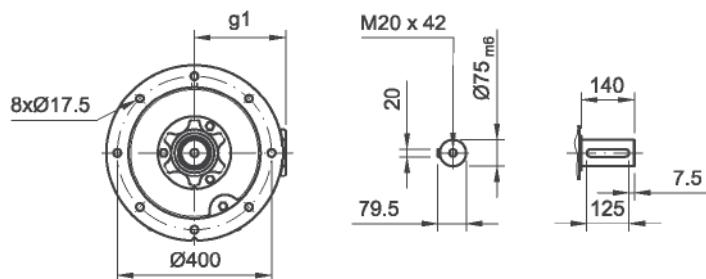
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		1032	1093	1093	1099	1126	1174	1212	1275	1275	1334	1334						
k _u																		
k _z	1154	1202	1263	1263	1269													
k _c																		
k _b	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g ₁	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



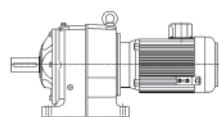
4. SI4

SICP56B/C
80 - 200SICP56C16B
63 - 112

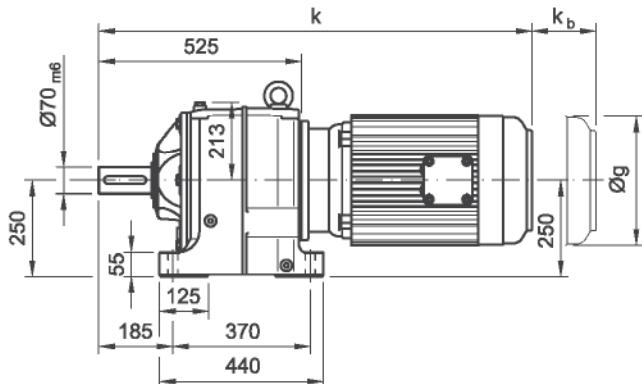
SICP56..



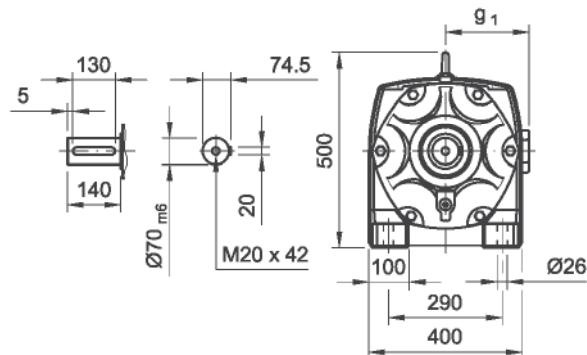
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		1032	1093	1093	1099	1126	1174	1212	1275	1275	1334	1334						
ku																		
kz	1154	1202	1263	1263	1269													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



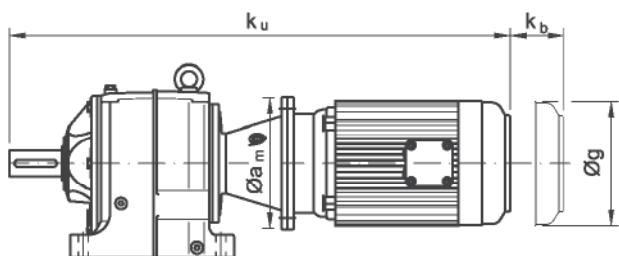
SIFN66B/C
100 - 225



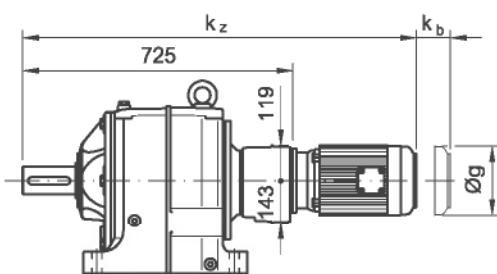
SIFN66..



SIFN66B/C-U
100 - 280

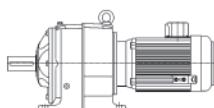


SIFN66C36B/C
63 - 160

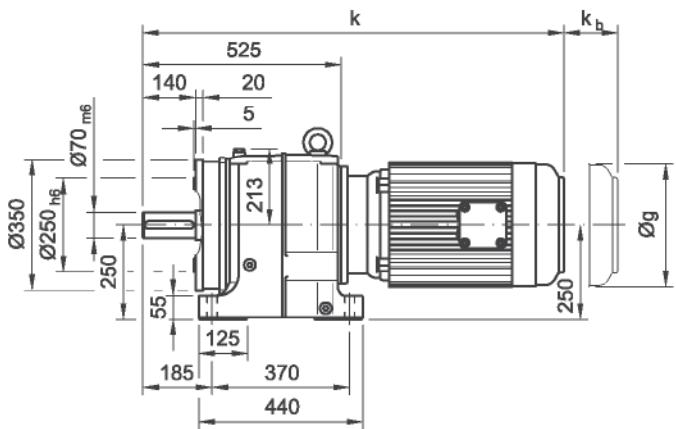


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						891	940	940	1049	1049	1108	1108						
ku					973	990	1029	1067	1210	1254	1368	1406	1496	1585	1615	1705	1811	1811
kz		1018	1079	1079	1085	1112	1198	1198										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550

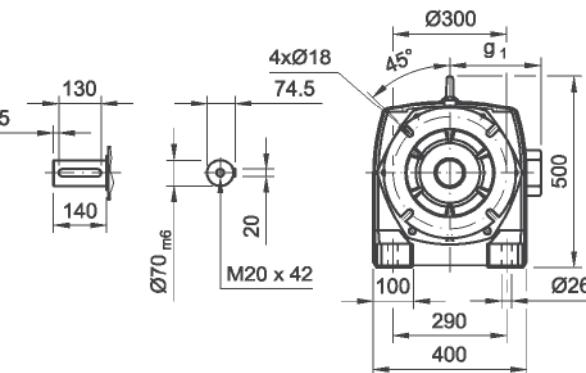
4. SI4



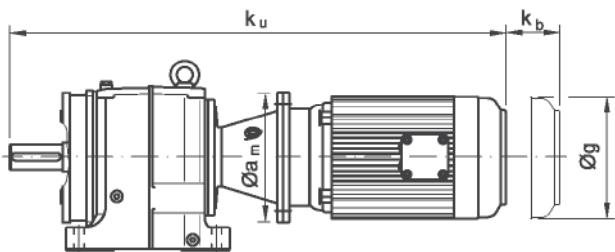
SIFE66B/C
100 - 225



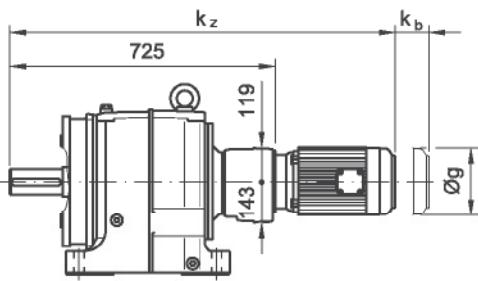
SIFE66..



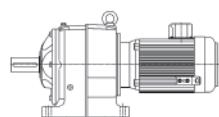
SIFE66B/C-U
100 - 280



SIFE66C36B/C
63 - 160

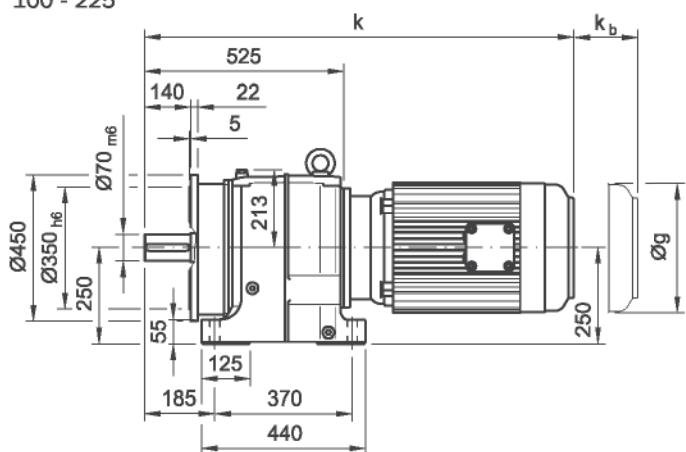


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						891	940	940	1049	1049	1108	1108						
ku					973	990	1029	1067	1210	1254	1368	1406	1496	1585	1615	1705	1811	1811
kz		1018	1079	1079	1085	1112	1198	1198										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	

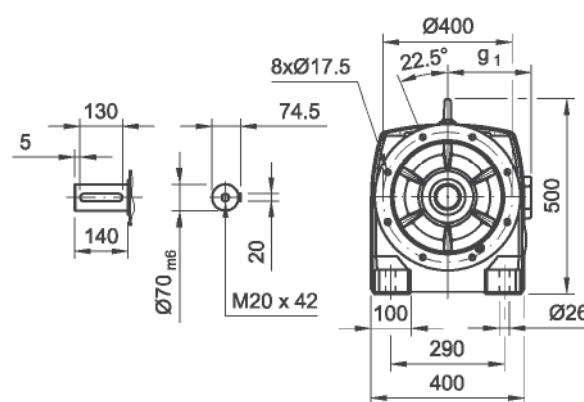


SIFD66B/C

100 - 225

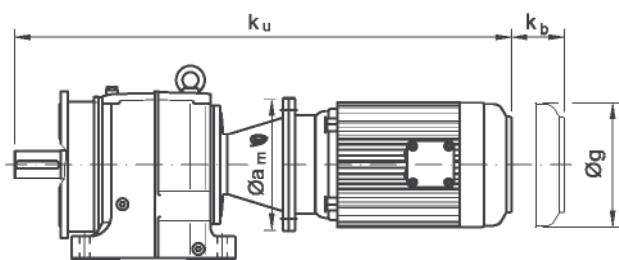


SIFD66..



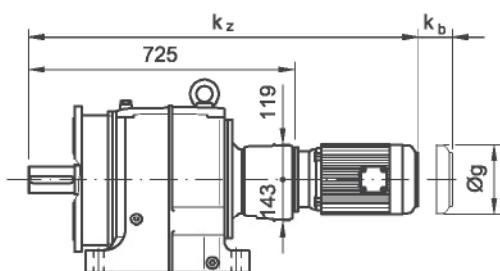
SIFD66B/C-U

100 - 280

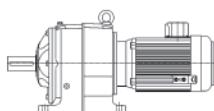


SIFD66C36B/C

63 - 160

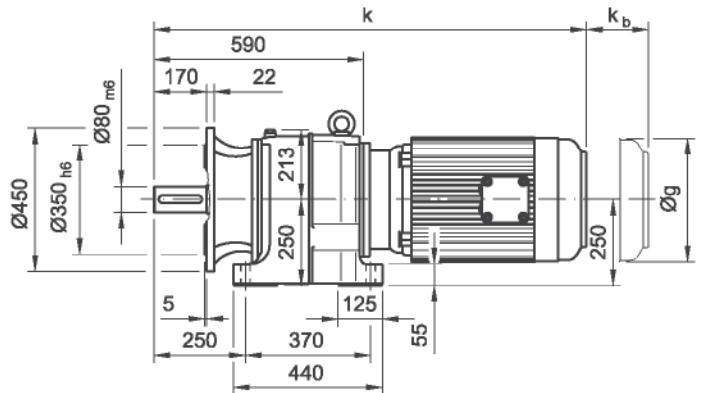


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						891	940	940	1049	1049	1108	1108						
ku					973	990	1029	1067	1210	1254	1368	1406	1496	1585	1615	1705	1811	1811
kz		1018	1079	1079	1085	1112	1198	1198										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550

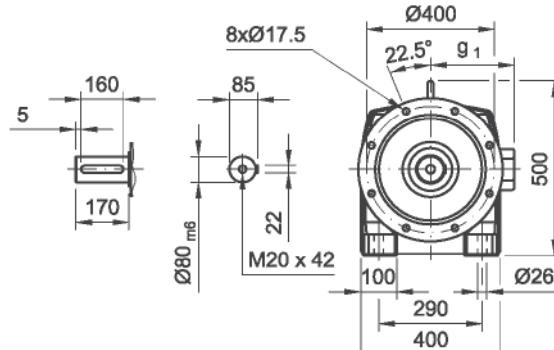


4. SI4

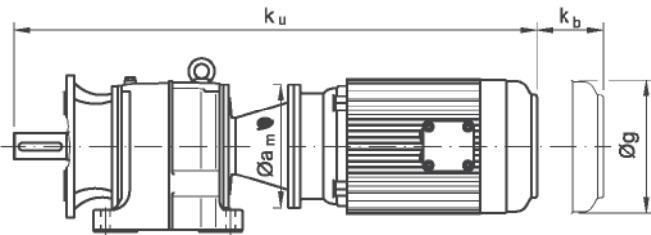
SIFM66B/C
100 - 225



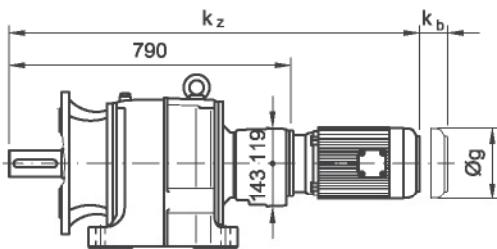
SIFM66..



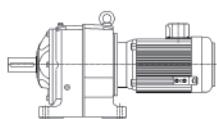
SIFM66B/C-U
100 - 280



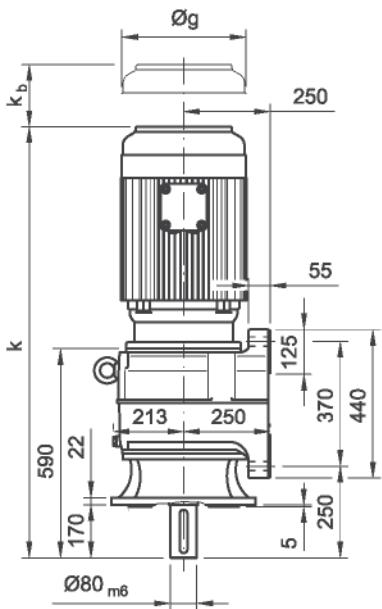
SIFM66C36B/C
63 - 160



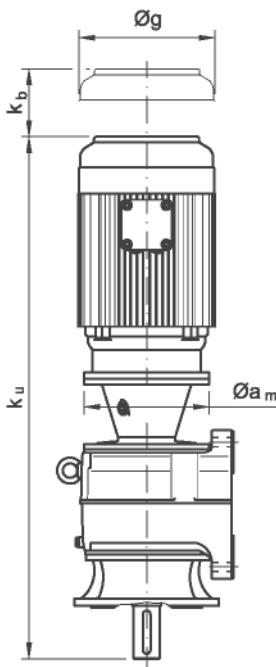
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						956	1005	1005	1114	1114	1173	1173						
ku					1038	1055	1094	1132	1275	1319	1433	1471	1561	1650	1680	1770	1876	1876
kz		1018	1144	1144	1150	1177	1263	1263										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam						250	250	300	300	350	350	350	400	450	450	550	550	550



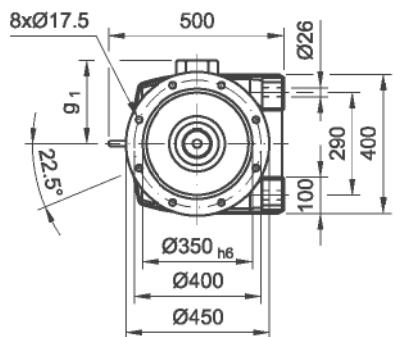
SIFA66B/C
100 - 225



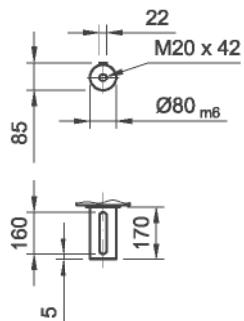
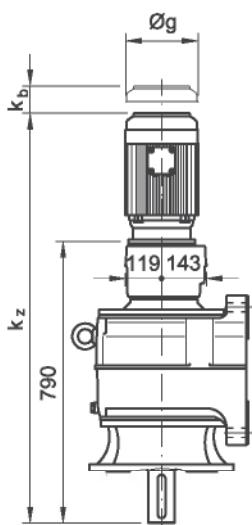
SIFA66B/C-U
100 - 280



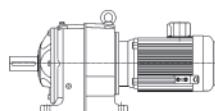
SIFA66..



SIFA66C36B/C
63 - 160



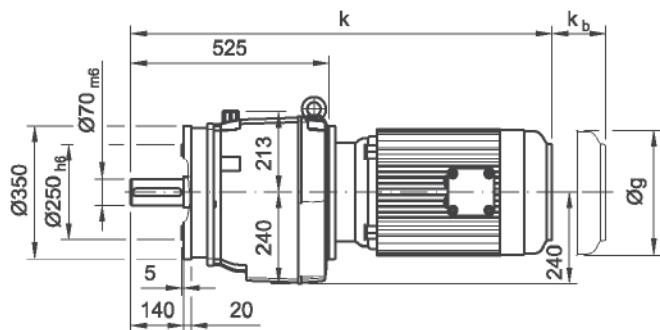
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						956	1005	1005	1114	1114	1173	1173						
ku					1038	1055	1094	1132	1275	1319	1433	1471	1561	1650	1680	1770	1876	1876
kz		1018	1144	1144	1150	1177	1263	1263										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550



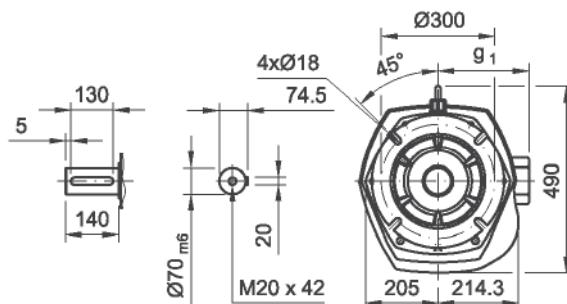
4. SI4

SICE66B/C

100 - 225

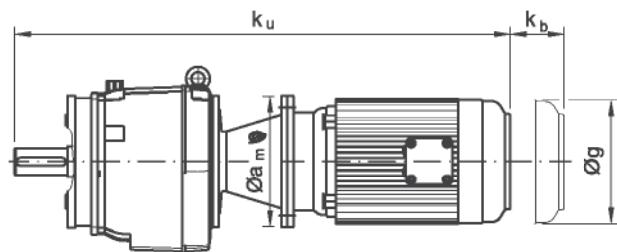


SICE66..



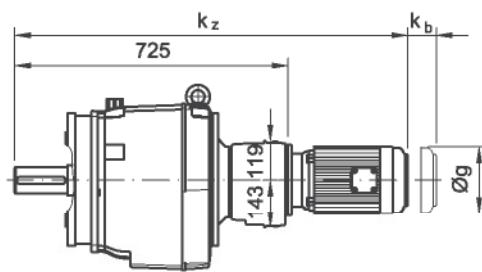
SICE66B/C-U

100 - 280

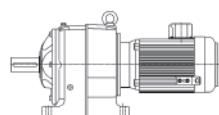


SICE66C36B/C

63 - 160

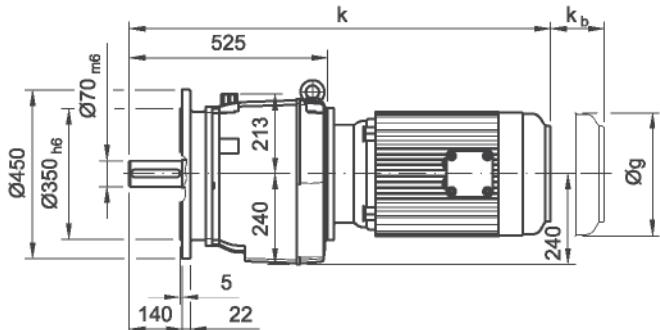


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						891	940	940	1049	1049	1108	1108						
ku						973	990	1029	1067	1210	1254	1368	1406	1496	1585	1615	1705	1811
kz		1018	1079	1079	1085	1112	1198	1198										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
og	139	156	174	174	196	213	255	255	314	314	354	354						
q1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550

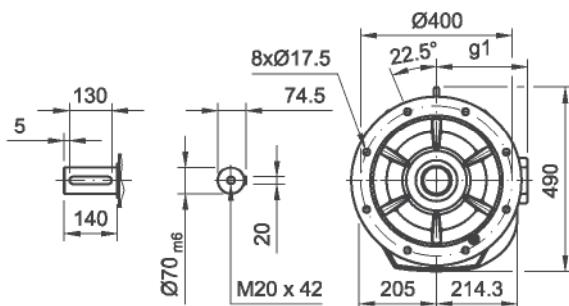


SICD66B/C

100 - 225

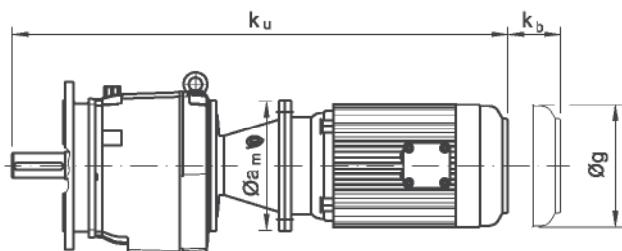


SICD66..



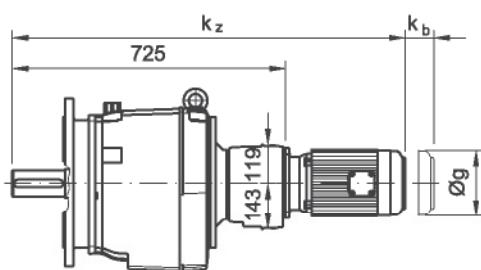
SICD66B/C-U

100 - 280

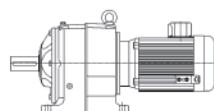


SICD66C36B/C

63 - 160



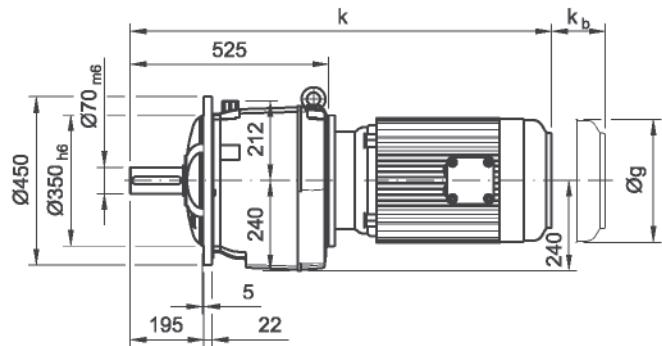
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						891	940	940	1049	1049	1108	1108						
ku					973	990	1029	1067	1210	1254	1368	1406	1496	1585	1615	1705	1811	1811
kz		1018	1079	1079	1085	1112	1198	1198										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550



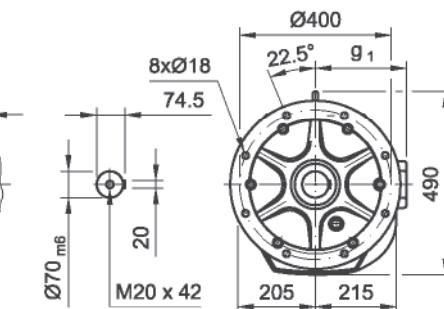
4. SI4

SICF66B/C

100 - 225

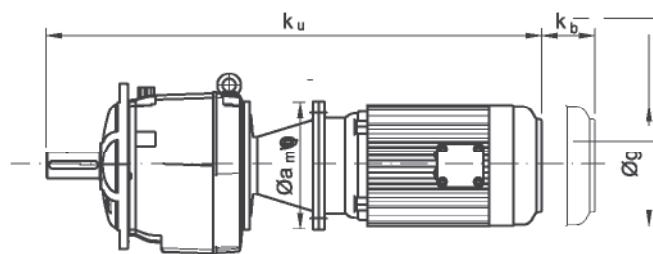


SICF66..



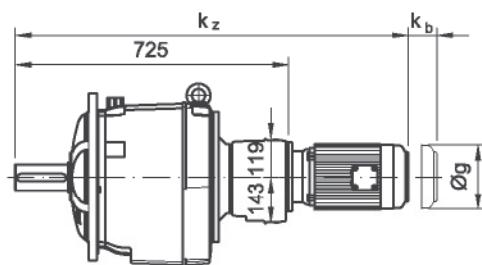
SICF66B/C

100 - 280

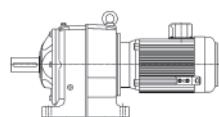


SICF66C36B/C

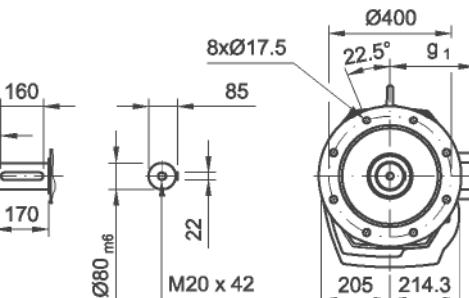
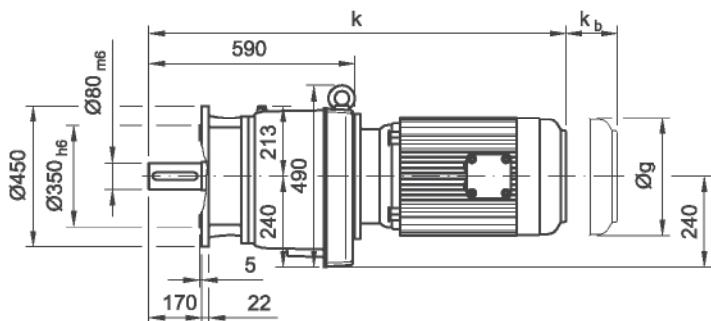
63 - 160



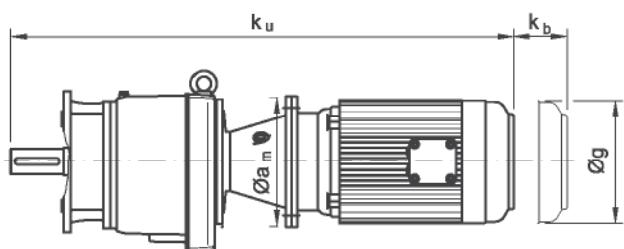
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						891	940	940	1049	1049	1108	1108						
ku						973	990	1029	1067	1210	1254	1368	1406	1496	1585	1615	1705	1811
kz		1018	1079	1079	1085	1112	1198	1198										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
og	139	156	174	174	196	213	255	255	314	314	354	354						
q1	102	125	133	133	144	165	182	182	287	287	312	312						
oram					250	250	300	300	350	350	350	350	400	450	450	550	550	550



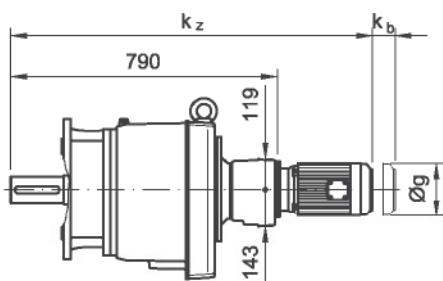
SICM66B/C
100 - 225



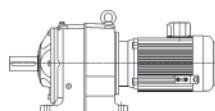
SICM66B/C-U
100 - 280



SICM66C36B/C
63 - 160

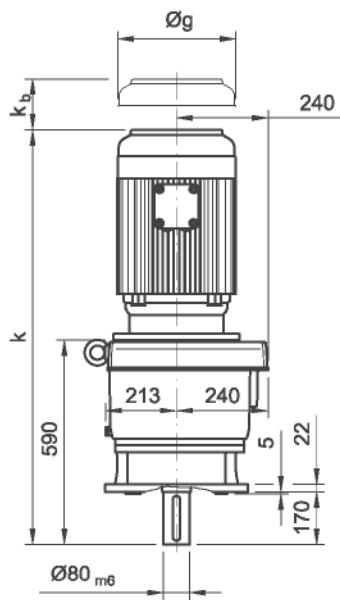


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						956	1005	1005	1114	1114	1173	1173						
ku					1038	1055	1094	1132	1275	1319	1433	1471	1561	1650	1680	1770	1876	1876
kz		1018	1144	1144	1150	1177	1263	1263										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	

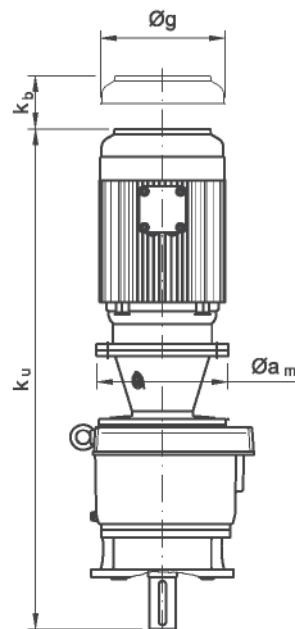


4. SI4

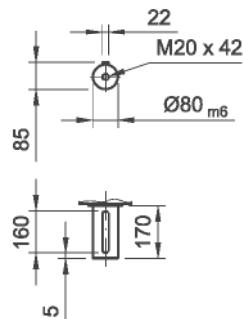
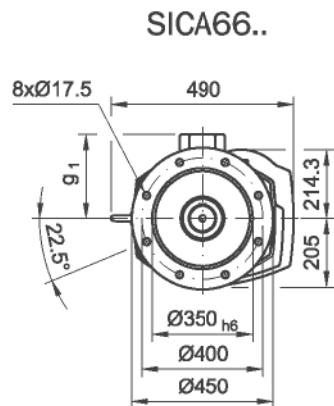
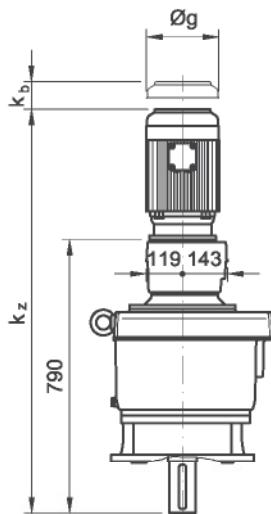
SICA66B/C
100 - 225



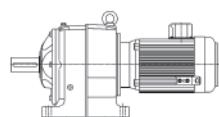
SICA66B/C-U
100 - 280



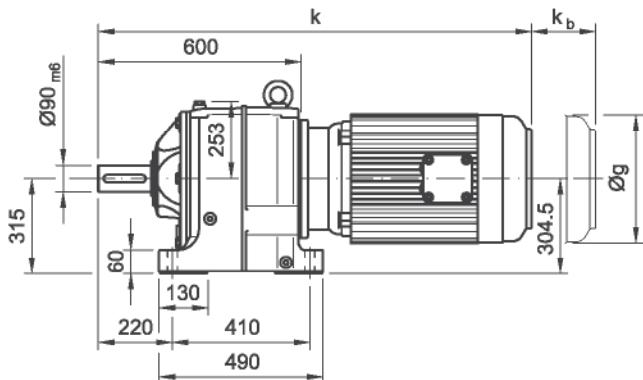
SICA66C36B/C
63 - 160



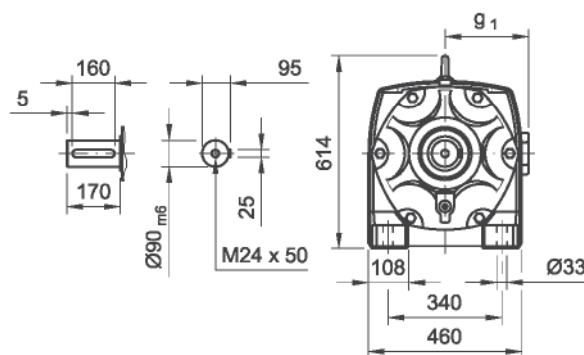
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						956	1005	1005	1114	1114	1173	1173						
ku					1038	1055	1094	1132	1275	1319	1433	1471	1561	1650	1680	1770	1876	1876
kz		1018	1144	1144	1150	1177	1263	1263										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
q1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	



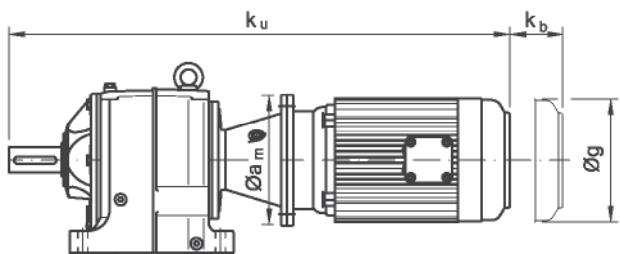
SIFN76B/C
100 - 225



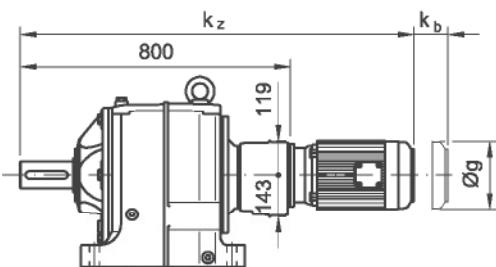
SIFN76..



SIFN76B/C-U
100 - 280

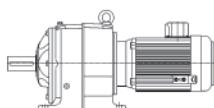


SIFN76C36B/C
63 - 160

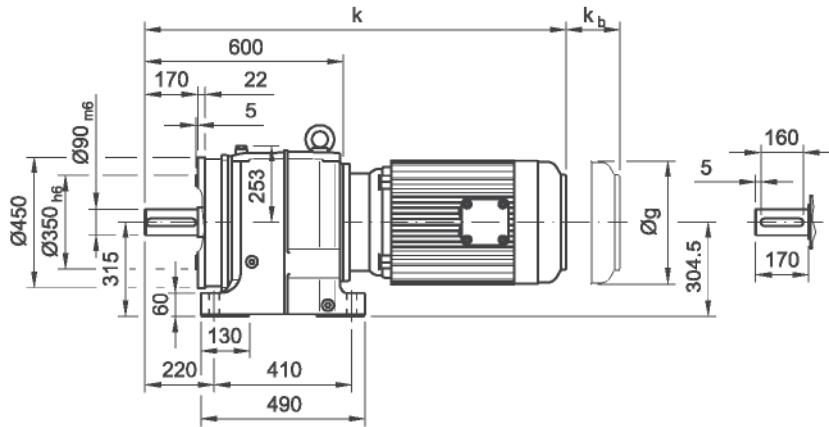


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						966	1015	1015	1124	1124	1183	1183						
ku					1048	1065	1104	1142	1285	1329	1443	1481	1571	1660	1690	1780	1886	1886
kz		1018	1154	1154	1160	1187	1273	1273										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	

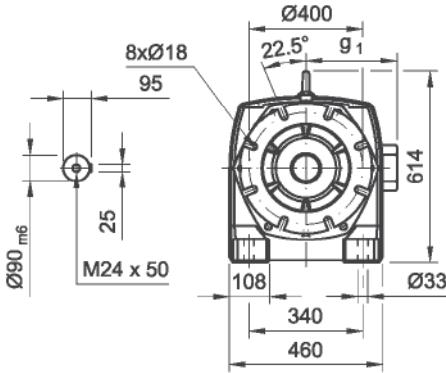
4. SI4



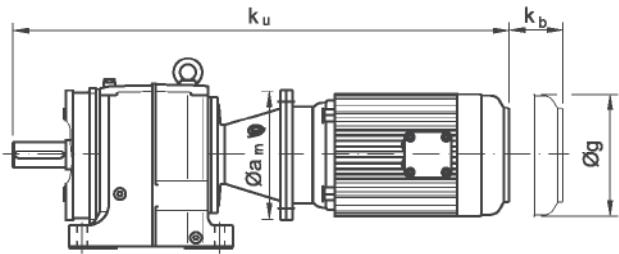
SIFE76B/C
100 - 225



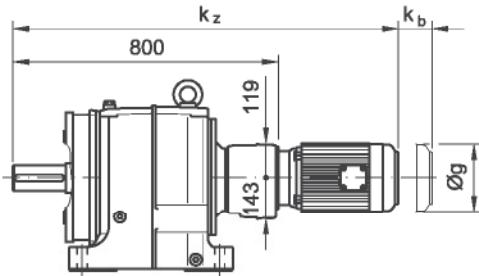
SIFE76..



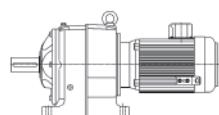
SIFE76B/C-U
100 - 280



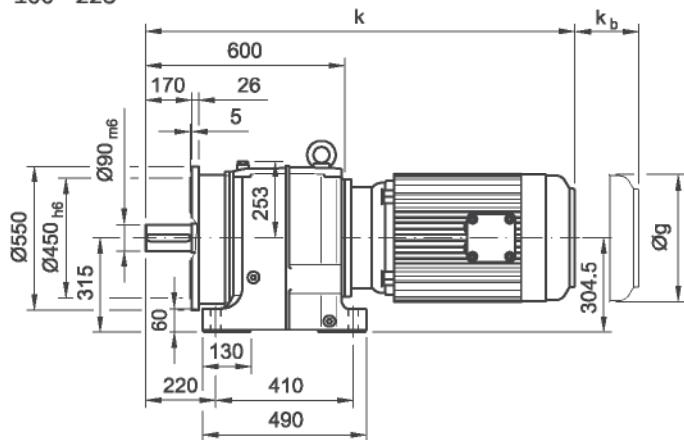
SIFE76C36B/C
63 - 160



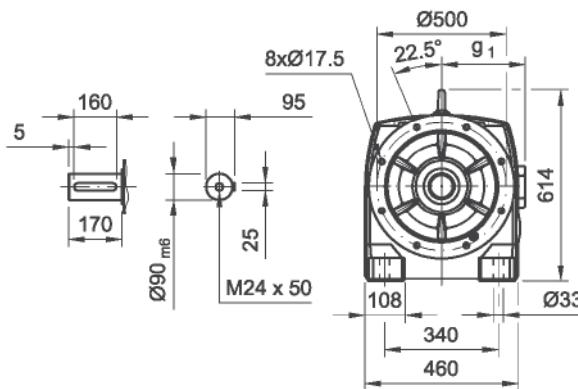
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						966	1015	1015	1124	1124	1183	1183						
ku					1048	1065	1104	1142	1285	1329	1443	1481	1571	1660	1690	1780	1886	1886
kz		1018	1154	1154	1160	1187	1273	1273										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam						250	250	300	300	350	350	350	400	450	450	550	550	



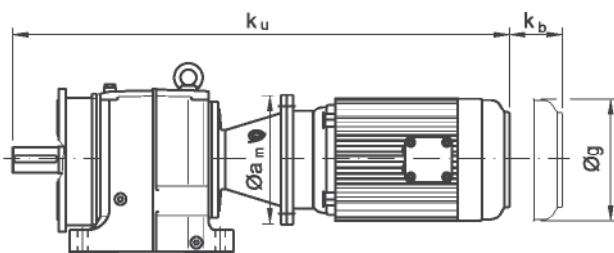
SIFD76B/C
100 - 225



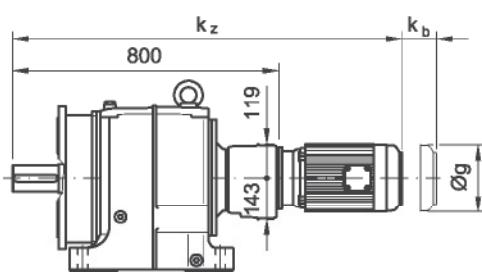
SIFD76..



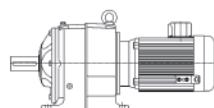
SIFD76B/C-U
100 - 280



SIFD76C36B/C
63 - 160



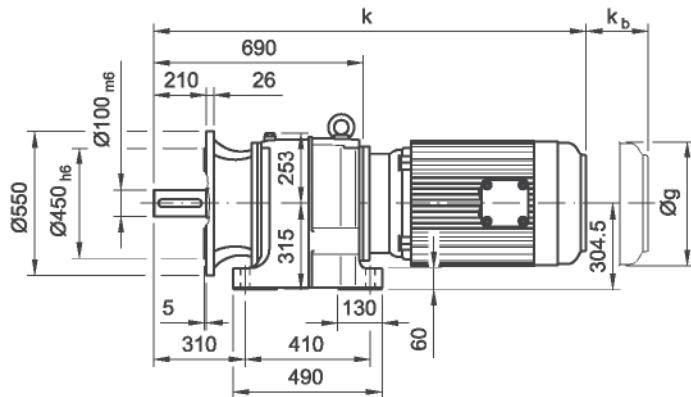
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						966	1015	1015	1124	1124	1183	1183						
ku					1048	1065	1104	1142	1285	1329	1443	1481	1571	1660	1690	1780	1886	1886
kz		1018	1154	1154	1160	1187	1273	1273										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	



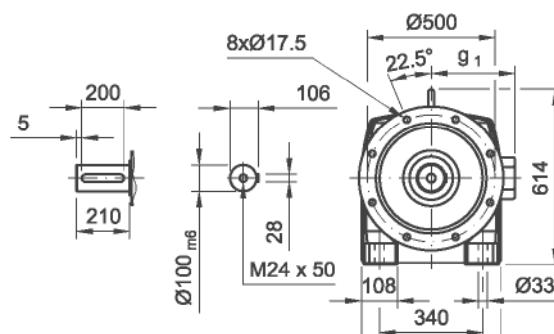
4. SI4

SIFM76B/C

100 - 225

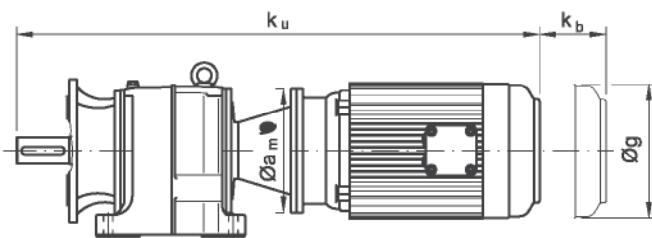


SIFM76..



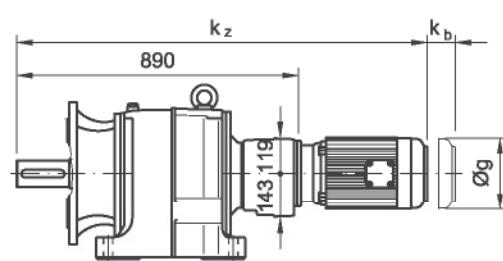
SIFM76B/C-U

100 - 280

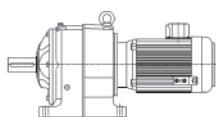


SIFM76C36B/C

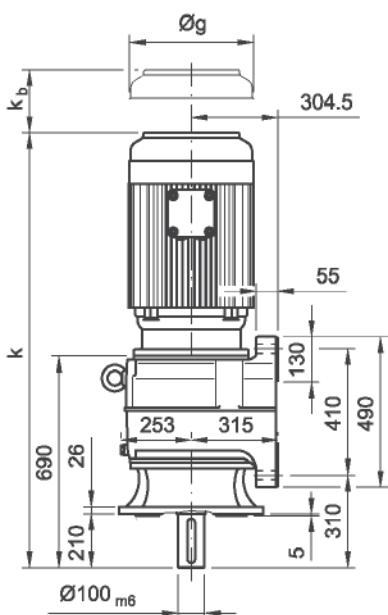
63 - 160



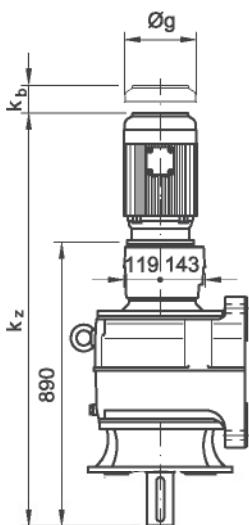
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1056	1105	1105	1214	1214	1273	1273						
ku					1138	1155	1194	1232	1375	1419	1533	1571	1661	1750	1780	1870	1976	
kz		1018	1244	1244	1250	1277	1363	1363										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
og	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
oram					250	250	300	300	350	350	350	350	400	450	450	550	550	



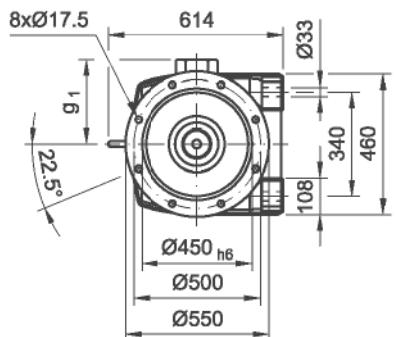
SIFA76B/C
100 - 225



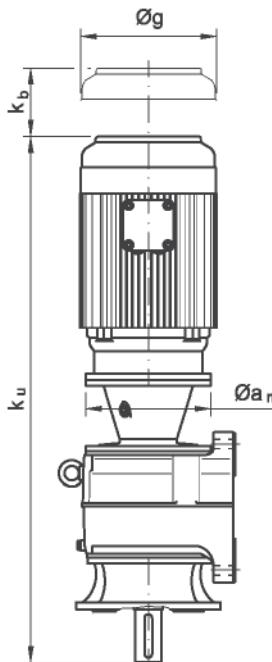
SIFA76C36B/C
63 - 160



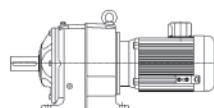
SIFA76..



SIFA76B/C-U
100 - 280



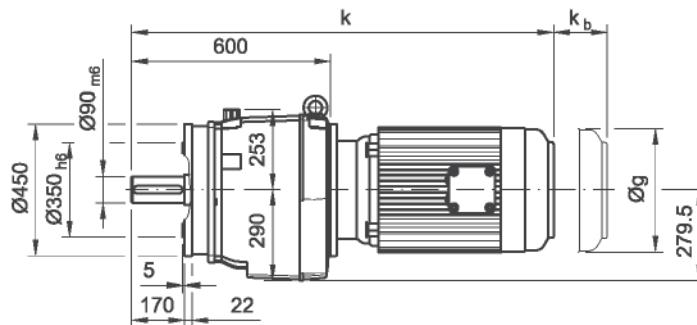
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1056	1105	1105	1214	1214	1273	1273						
ku					1138	1155	1194	1232	1375	1419	1533	1571	1661	1750	1780	1870	1976	1976
kz		1018	1244	1244	1250	1277	1363	1363										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
og	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
oam						250	250	300	300	350	350	350	350	400	450	450	550	550



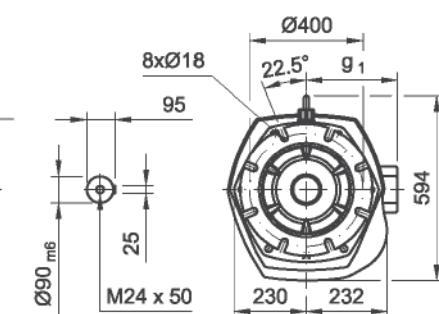
4. SI4

SICE76B/C

100 - 225

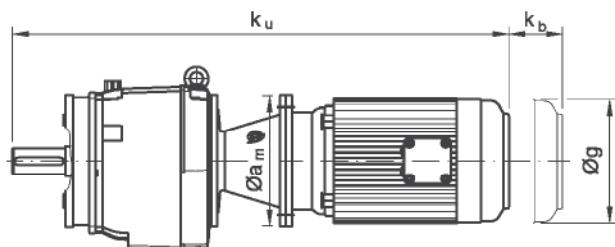


SICE76..



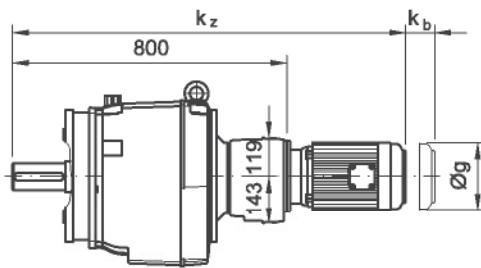
SICE76B/C-U

100 - 280

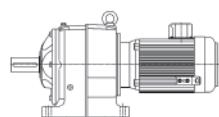


SICE76C36B/C

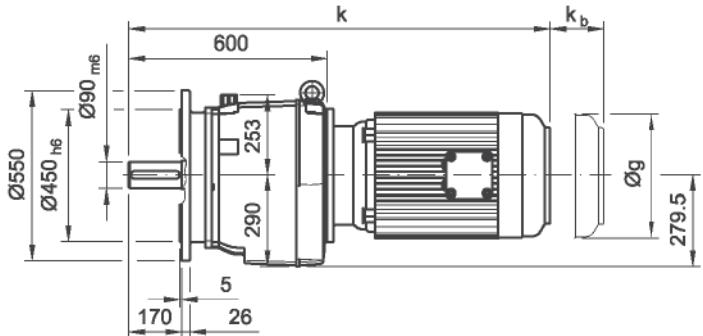
63 - 160



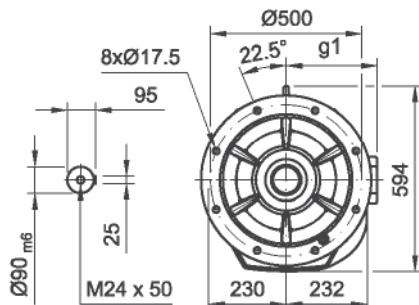
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						966	1015	1015	1124	1124	1183	1183						
ku						1048	1065	1104	1142	1285	1329	1443	1481	1571	1660	1690	1780	1886
kz		1018	1154	1154	1160	1187	1273	1273										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550



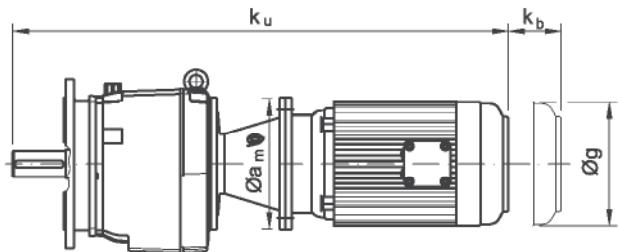
SICD76B/C
100 - 225



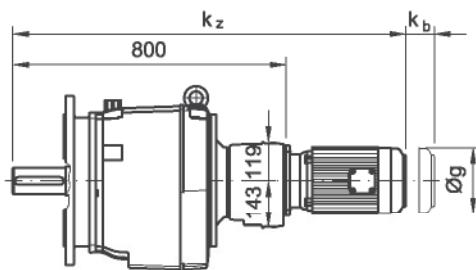
SICD76..



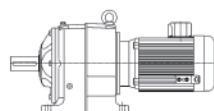
SICD76B/C-U
100 - 280



SICD76C36B/C
63 - 160

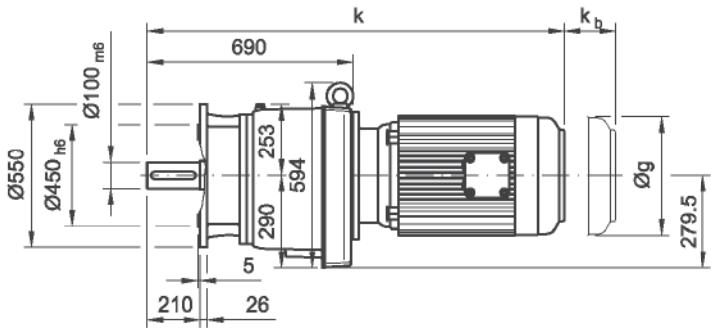
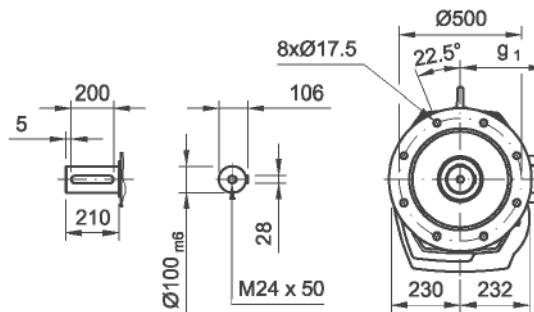


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						966	1015	1015	1124	1124	1183	1183						
ku					1048	1065	1104	1142	1285	1329	1443	1481	1571	1660	1690	1780	1886	1886
kz		1018	1154	1154	1160	1187	1273	1273										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	

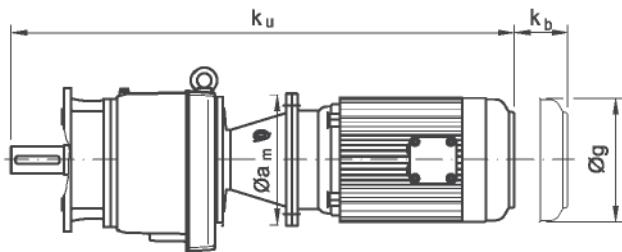


4. SI4

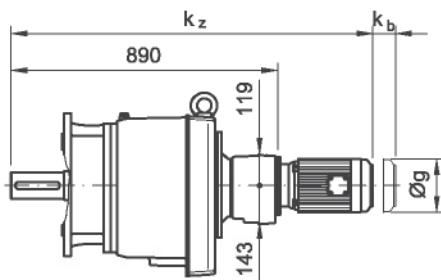
SICM76B/C
100 - 225

**SICM76..**

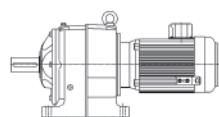
SICM76B/C-U
100 - 280



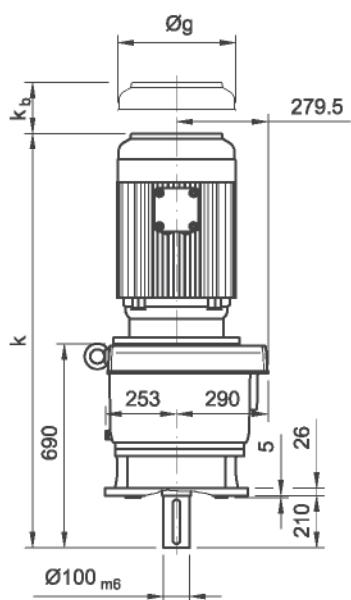
SICM76C36B/C
63 - 160



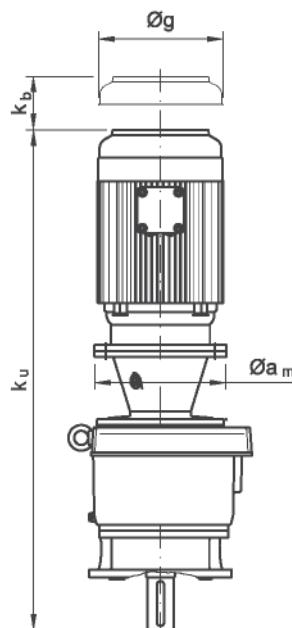
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1056	1105	1105	1214	1214	1273	1273						
ku					1138	1155	1194	1232	1375	1419	1533	1571	1661	1750	1780	1870	1976	
kz		1018	1244	1244	1250	1277	1363	1363										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
og	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	



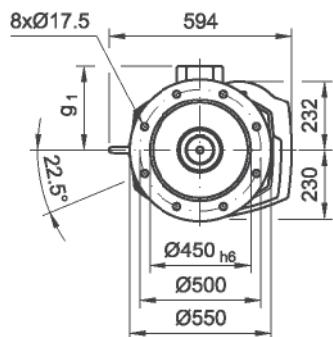
SICA76B/C
100 - 225



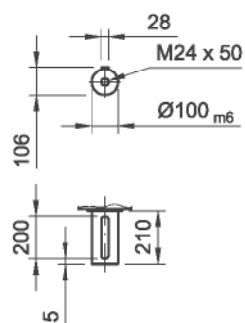
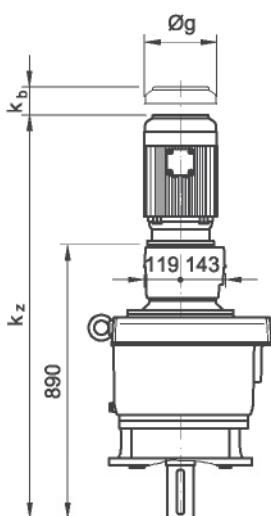
SICA76B/C-U
100 - 280



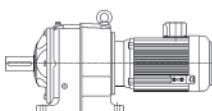
SICA76..



SICA76C36B/C
63 - 160



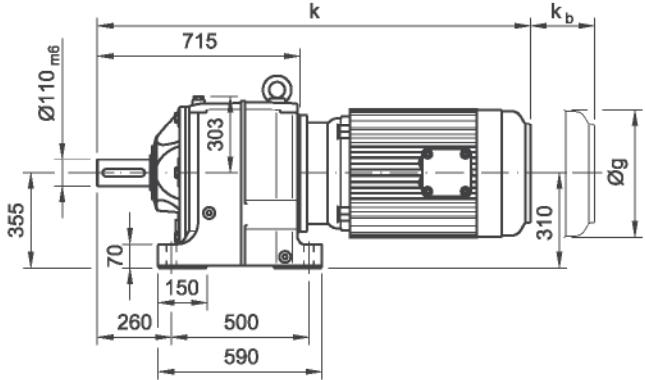
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1056	1105	1105	1214	1214	1273	1273						
ku					1138	1155	1194	1232	1375	1419	1533	1571	1661	1750	1780	1870	1976	1976
kz		1018	1244	1244	1250	1277	1363	1363										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam						250	250	300	300	350	350	350	350	400	450	450	550	550



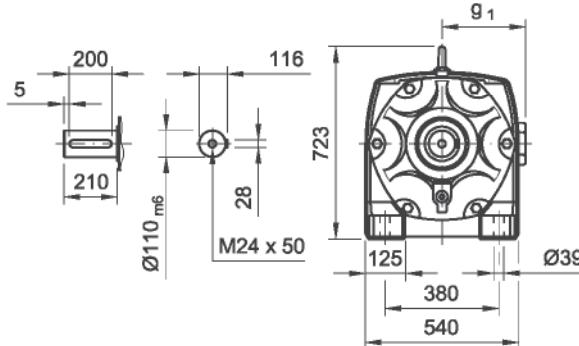
4. SI4

SIFN86B/C

100 - 225

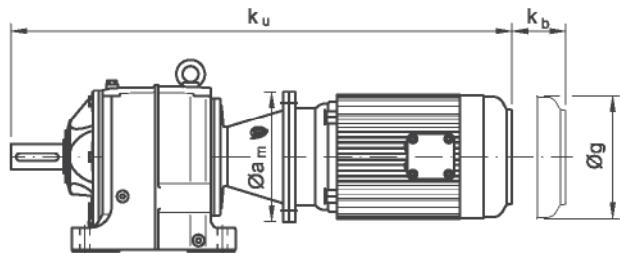


SIFN86..



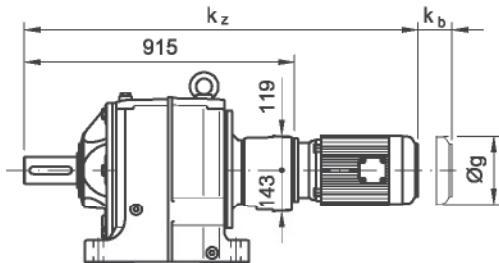
SIFN86B/C-U

100 - 280



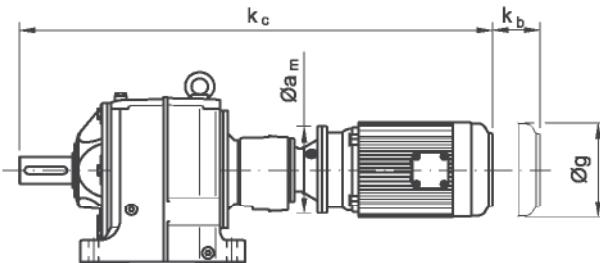
SIFN86C36B/C

63 - 160

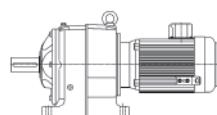


SIFN86C36B/C-U

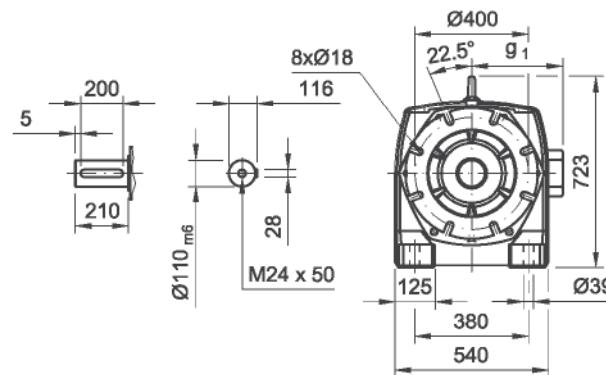
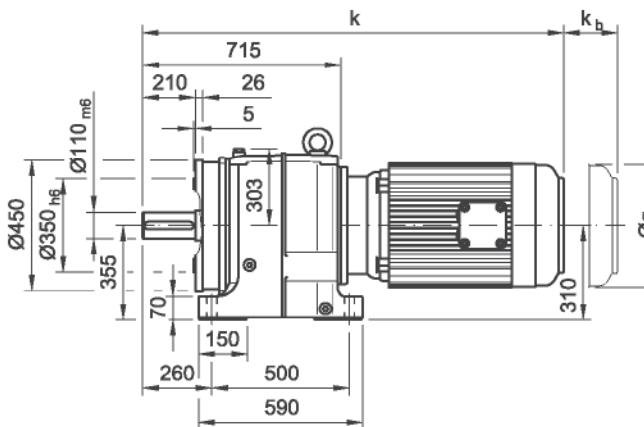
71 - 132



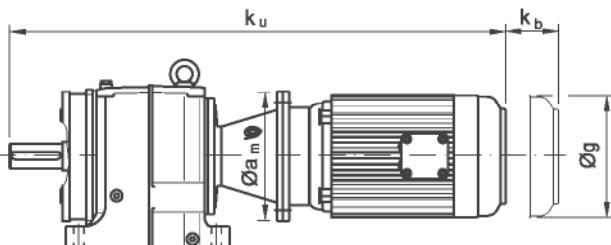
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1081	1130	1130	1239	1239	1298	1298						
ku					1163	1180	1219	1257	1400	1444	1558	1596	1686	1745	1805	1884	2001	2001
kz		1018	1269	1269	1275	1302	1388	1388										
kc	1222	1240	1258	1283	1320	1337	1439	1477										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	



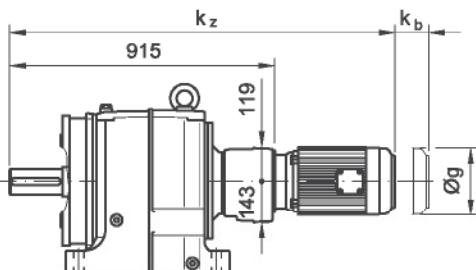
SIFE86B/C
100 - 225



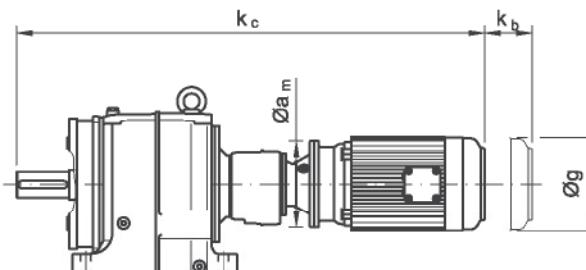
SIFE86B/C-U
100 - 280



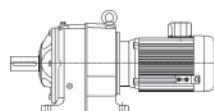
SIFE86C36B/C
63 - 160



SIFE86C36B/C-U
71 - 132



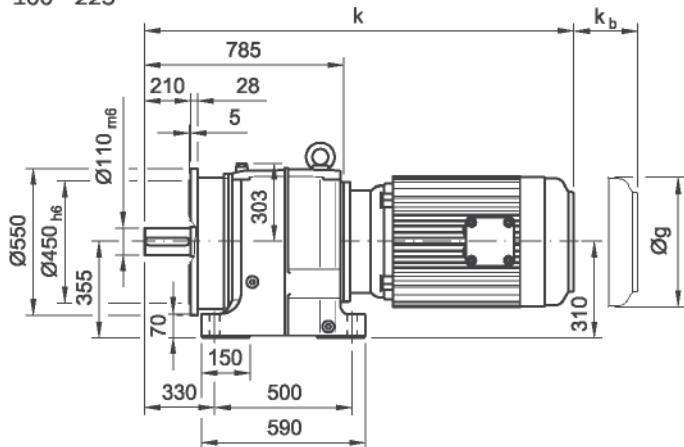
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1081	1130	1130	1239	1239	1298	1298						
ku					1163	1180	1219	1257	1400	1444	1558	1596	1686	1745	1805	1884	2001	
kz		1508	1269	1269	1275	1302	1388	1388										
kc	1222	1240	1258	1283	1320	1337	1439	1477										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
dam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	



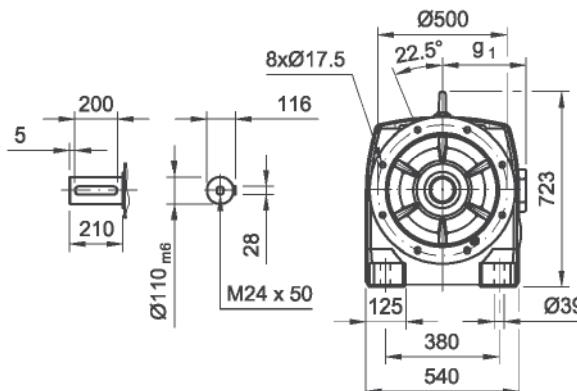
4. SI4

SIFD86B/C

100 - 225

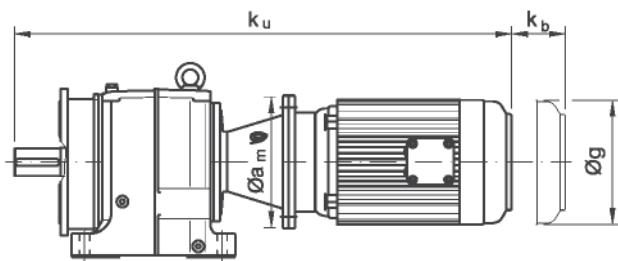


SIFD86..



SIFD86B/C-U

100 - 280

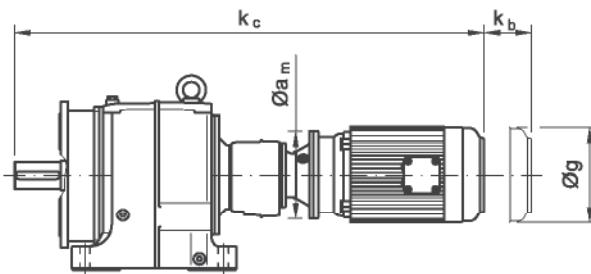
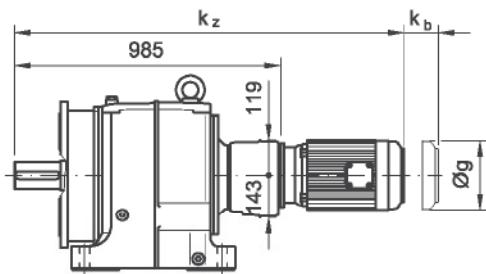


SIFD86C36B/C

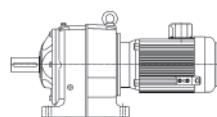
63 - 160

SIFD86C36B/C-I

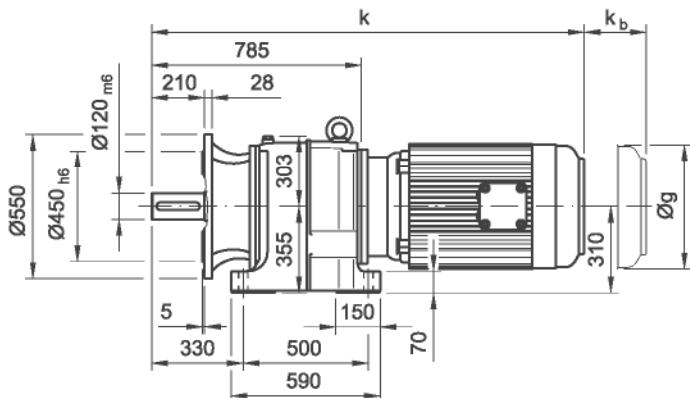
71 - 132



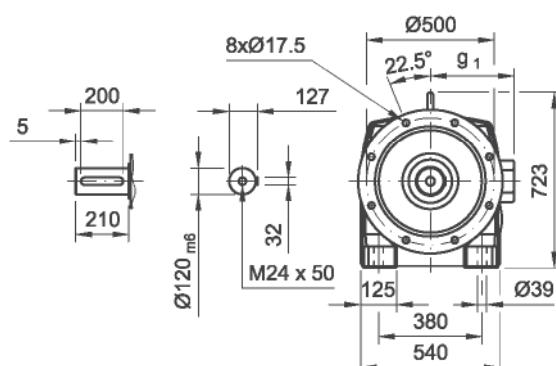
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1151	1200	1200	1309	1309	1368	1368						
ku					1233	1250	1289	1327	1470	1514	1628	1666	1756	1845	1875	1965	2071	2071
kz		1278	1339	1339	1345	1372	1458	1458										
kc	1292	1310	1328	1353	1390	1407	1509	1547										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
cam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	



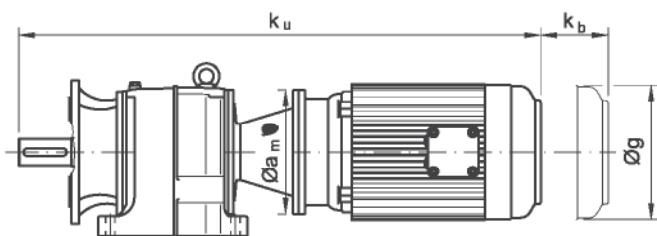
SIFM86B/C
100 - 225



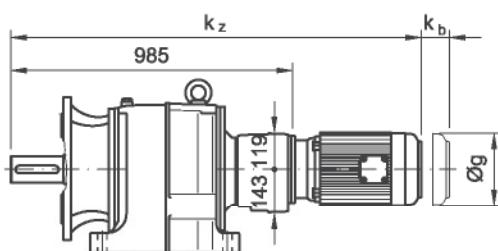
SIFM86..



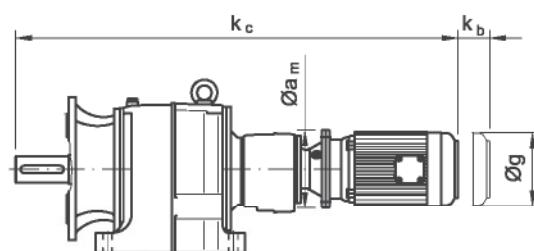
SIFM86B/C-U
100 - 280



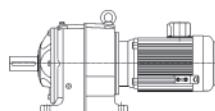
SIFM86C36B/C
63 - 160



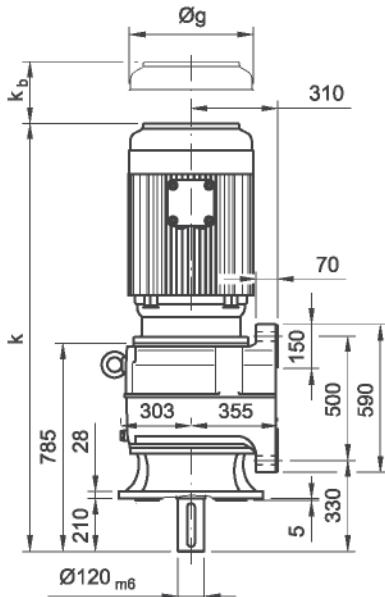
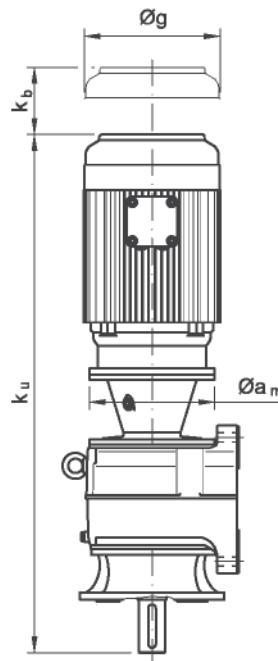
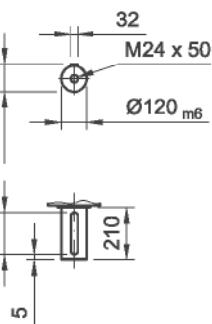
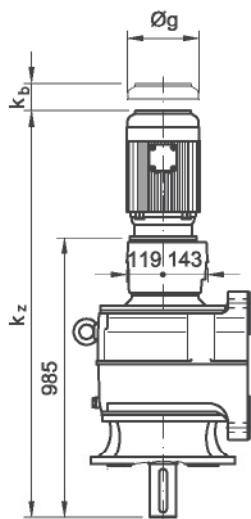
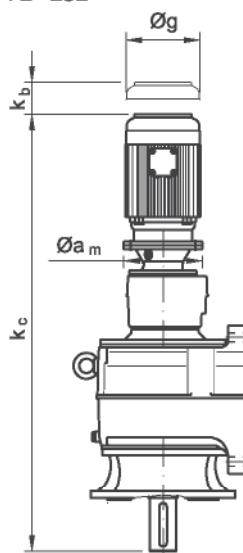
SIFM86C36B/C-U
71 - 132



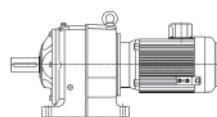
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1151	1200	1200	1309	1309	1368	1368						
ku					1233	1250	1289	1327	1470	1514	1628	1666	1756	1845	1875	1965	2071	2071
kz		1278	1339	1339	1345	1372	1458	1458										
kc	1292	1310	1328	1353	1390	1407	1509	1547										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	



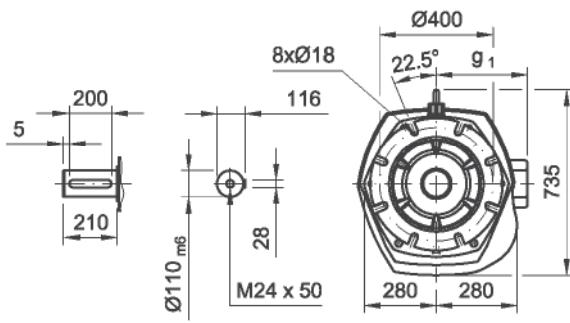
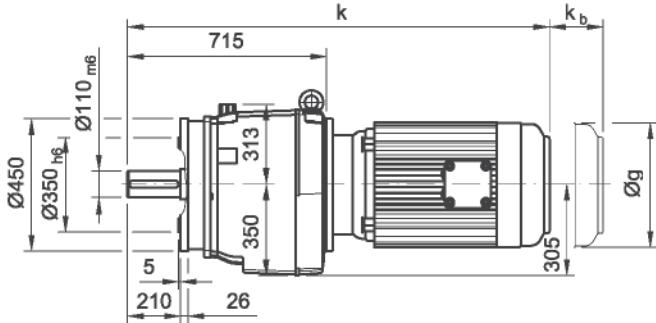
4. SI4

SIFA86B/C
100 - 225SIFA86B/C-U
100 - 280SIFA86C36B/C
63 - 160SIFA86C36B/C-U
71 - 132

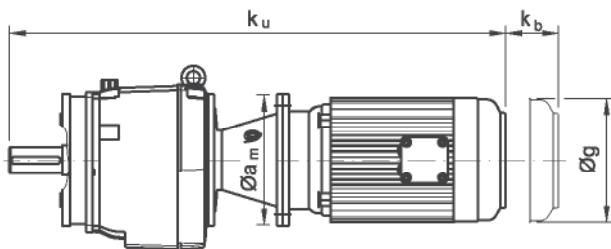
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1151	1200	1200	1309	1309	1368	1368						
ku					1233	1250	1289	1327	1470	1514	1628	1666	1756	1845	1875	1965	2071	2071
kz		1278	1339	1339	1345	1372	1458	1458										
kc	1292	1310	1328	1353	1390	1407	1509	1547										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
og	139	156	174	174	196	213	255	255	314	314	354	354						
q1	102	125	133	133	144	165	182	182	287	287	312	312						
cam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550



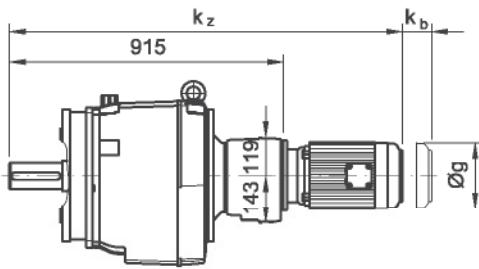
SICE86B/C
100 - 225



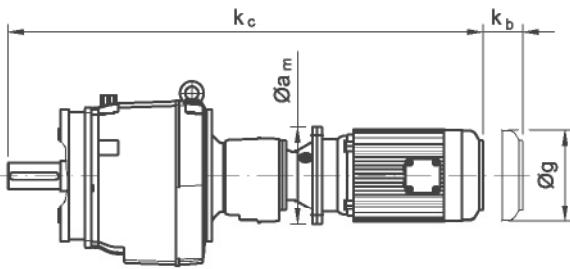
SICE86B/C-U
100 - 280



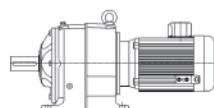
SICE86C36B/C
63 - 160



SICE86C36B/C-U
71 - 132



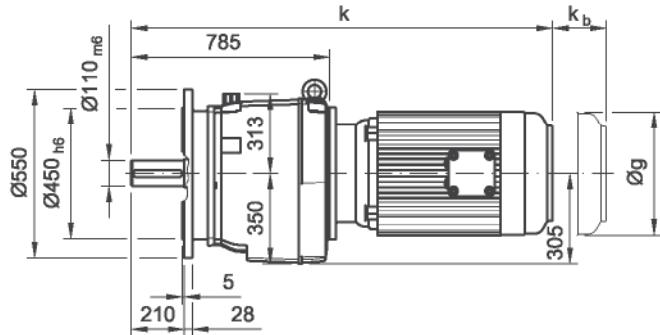
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1081	1130	1130	1239	1239	1298	1298						
ku					1163	1180	1219	1257	1400	1444	1558	1596	1686	1745	1805	1884	2001	2001
kz		1208	1269	1269	1275	1302	1388	1388										
kc	1222	1240	1258	1283	1320	1337	1439	1477										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550



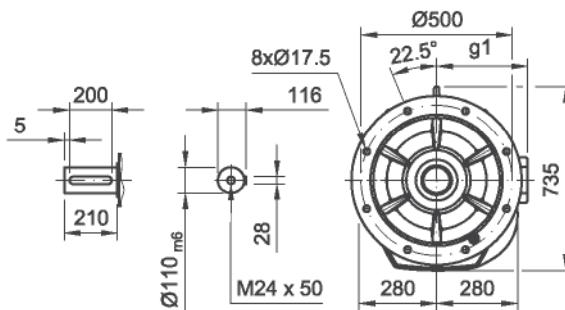
4. SI4

SICD86B/C

100 - 225

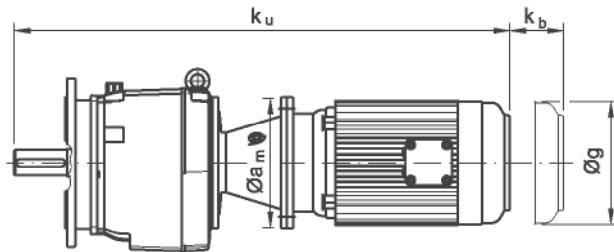


SICD86..



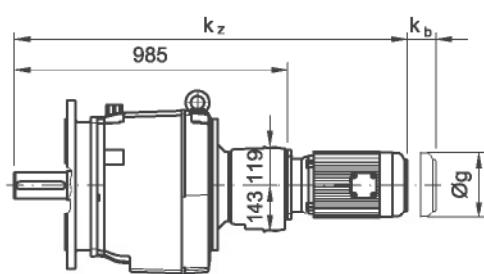
SICD86B/C-U

100 - 280



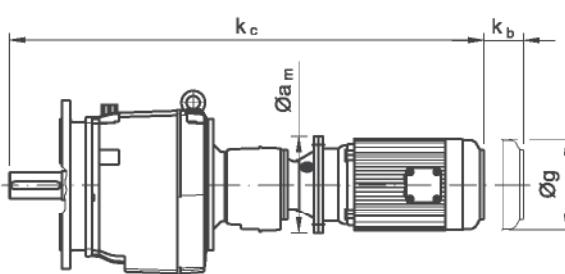
SICD86C36B/C

63 - 160

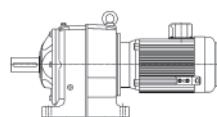


SICD86C36B/C-U

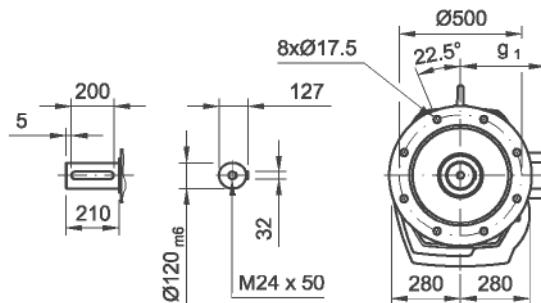
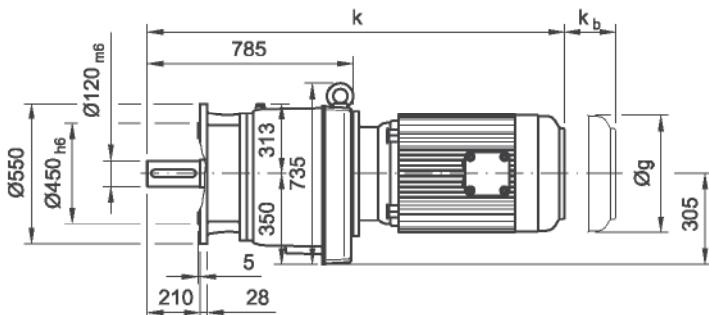
71 - 132



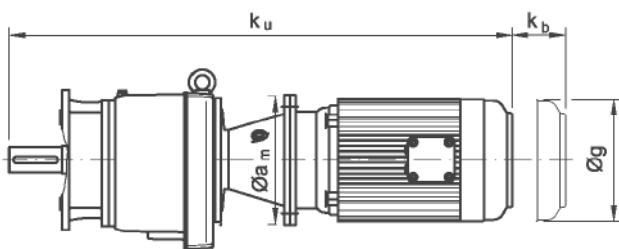
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1151	1200	1200	1309	1309	1368	1368						
ku					1233	1250	1289	1327	1470	1514	1628	1666	1756	1845	1875	1965	2071	2071
kz		1208	1339	1339	1345	1372	1458	1458										
kc	1292	1310	1328	1353	1390	1407	1509	1547										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
og	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
oram	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	



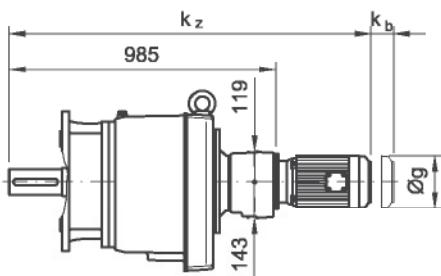
SICM86B/C
100 - 225



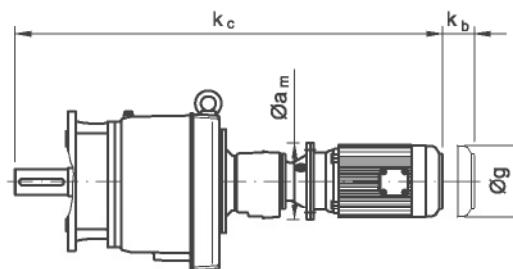
SICM86B/C-U
100 - 280



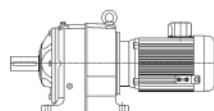
SICM86C36B/C
63 - 160



SICM86C36B/C-U
71 - 132

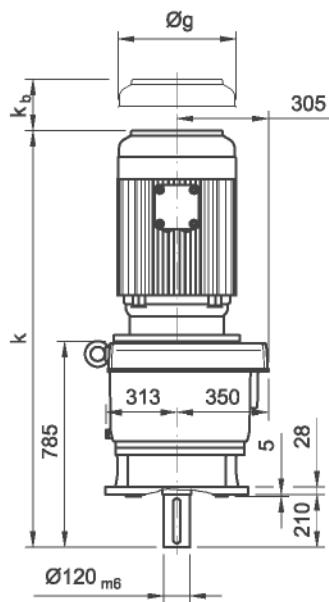


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1151	1200	1200	1309	1309	1368	1368						
ku					1233	1250	1289	1327	1470	1514	1628	1666	1756	1845	1875	1965	2071	2071
kz		1208	1339	1339	1345	1372	1458	1458										
kc	1292	1310	1328	1353	1390	1407	1509	1547										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550

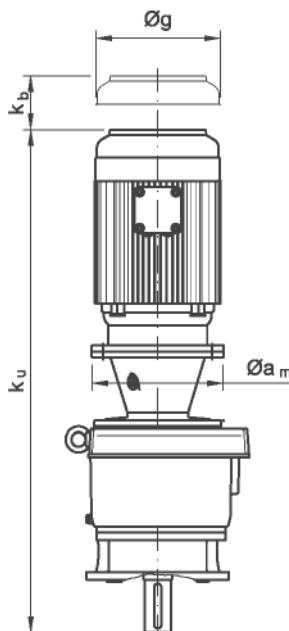


4. SI4

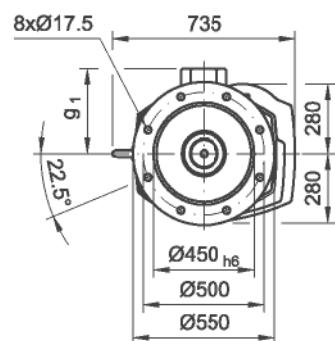
SICA86B/C
100 - 225



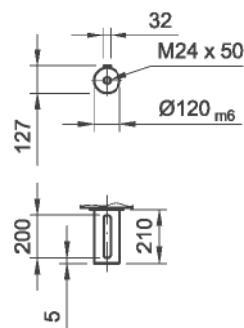
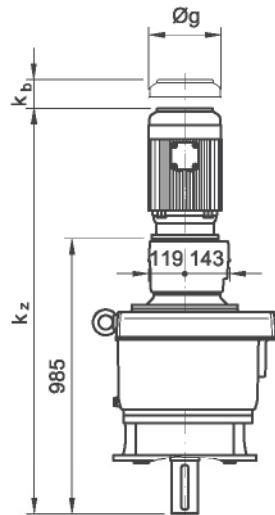
SICA86B/C-U
100 - 280



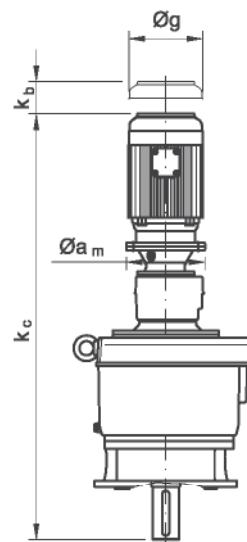
SICA86..



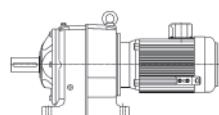
SICA86C36B/C
63 - 160



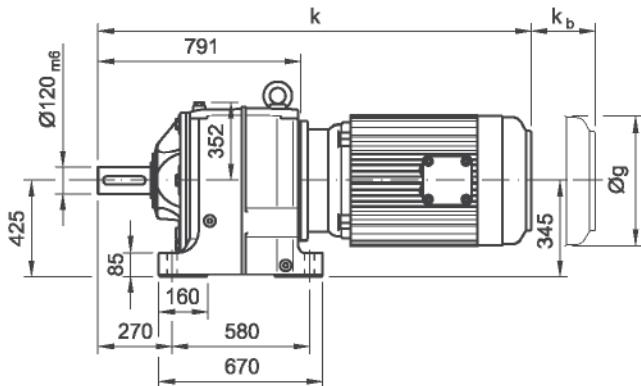
SICA86C36B/C-U
71 - 132



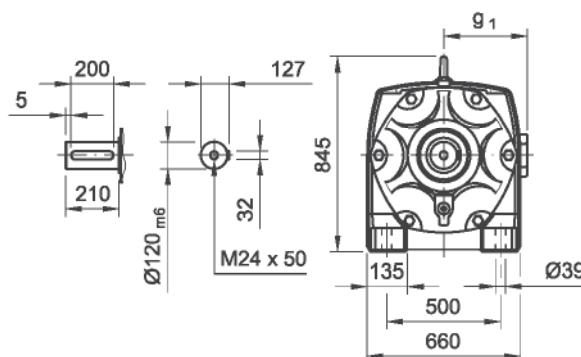
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k							1151	1200	1200	1309	1309	1368	1368					
k_u							1233	1250	1289	1327	1470	1514	1628	1666	1756	1845	1875	2071
k_z			1208	1339	1339	1345	1372	1458	1458									
k_c	1292	1310	1328	1353	1390	1407	1509	1547										
k_b	56	89	101	101	90	89	109	109	128	128	151	151						
$\text{Ø}g$	139	156	174	174	196	213	255	255	314	314	354	354						
q_1	102	125	133	133	144	165	182	182	287	287	312	312						
q_{am}	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550



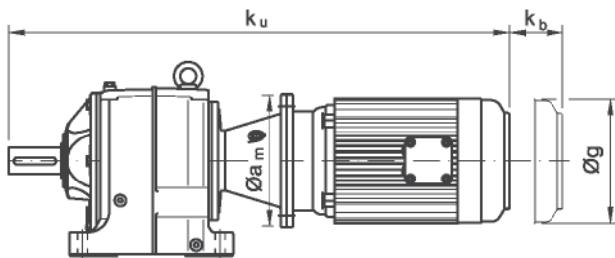
SIFN96B/C
100 - 225



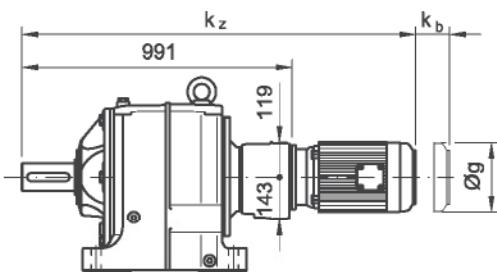
SIFN96..



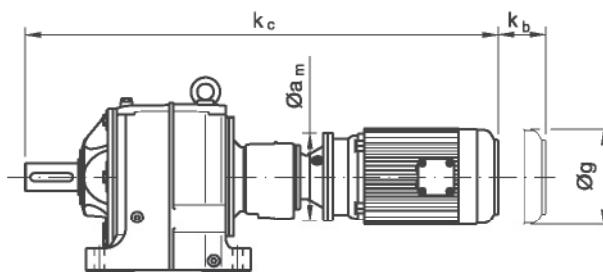
SIFN96B/C-U
100 - 280



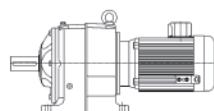
SIFN96C36B/C
63 - 160



SIFN96C36B/C-U
71 - 132



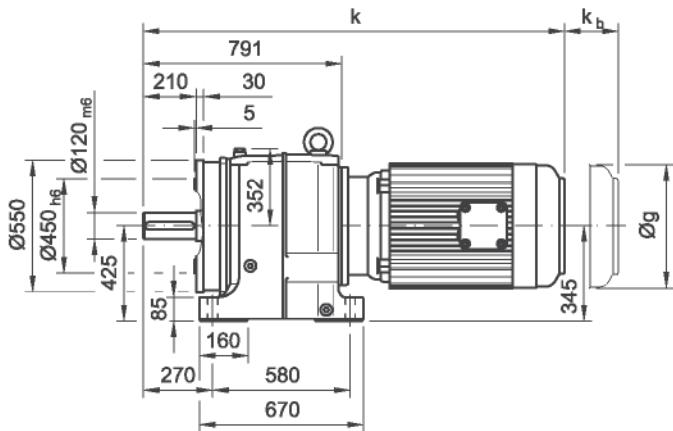
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1157	1206	1206	1315	1315	1374	1374						
ku					1239	1256	1295	1333	1476	1520	1634	1672	1762	1851	1881	1971	2077	2077
kz		1208	1345	1345	1351	1378	1464	1464										
kc	1298	1316	1334	1359	1396	1413	1515	1553										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550



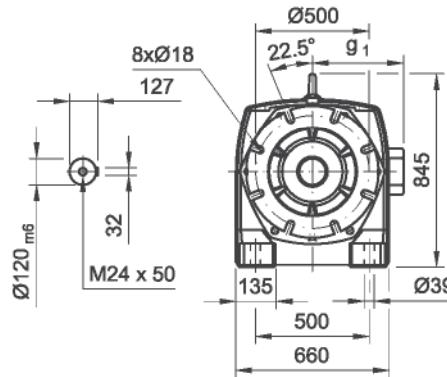
4. SI4

SIFE96B/C

100 - 225

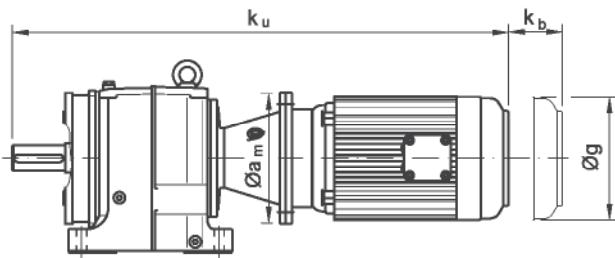


SIFE96..



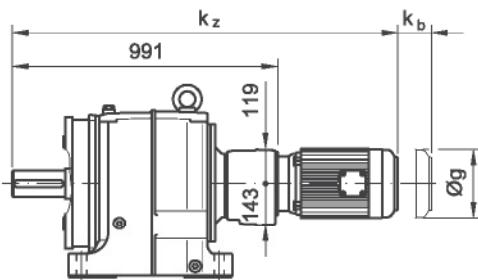
SIFE96B/C-U

100 - 280



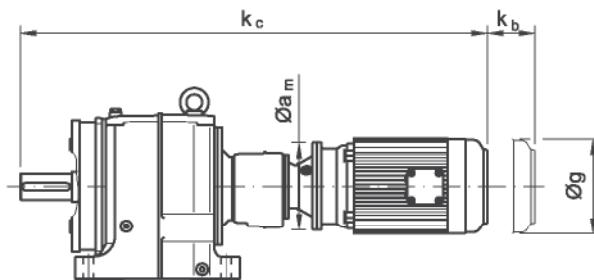
SIFE96C36B/C

63 - 160

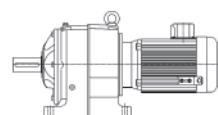


SIFE96C36B/C-U

71 - 132

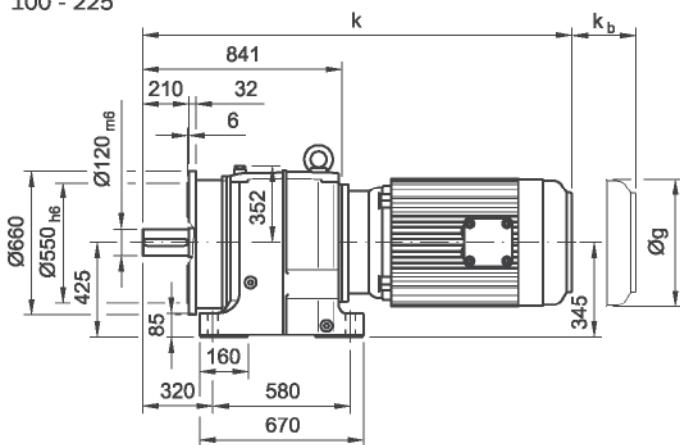


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1157	1206	1206	1315	1315	1374	1374						
k_u						1239	1256	1295	1333	1476	1520	1634	1672	1762	1851	1881	1971	2077
k_z		1208	1345	1345	1351	1378	1464	1464										
k_c	1298	1316	1334	1359	1396	1413	1515	1553										
k_b	56	89	101	101	90	89	109	109	128	128	151	151						
$\varnothing g$	139	156	174	174	196	213	255	255	314	314	354	354						
q_1	102	125	133	133	144	165	182	182	287	287	312	312						
q_{am}	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	

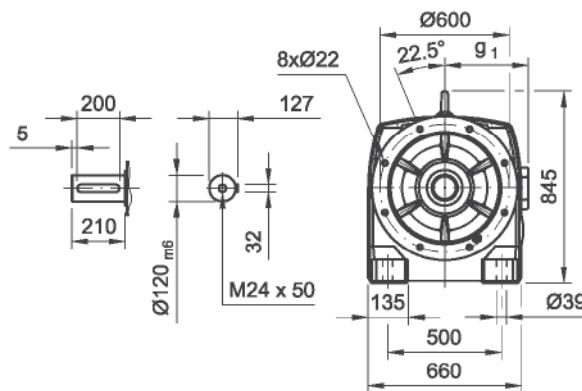


SIFD96B/C

100 - 225

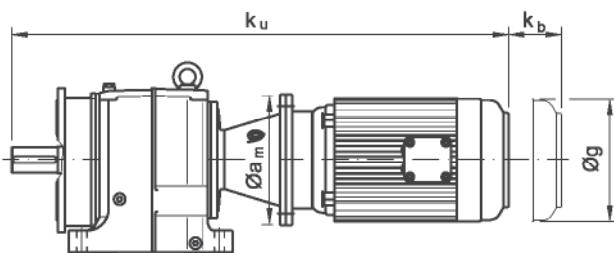


SIFD96..



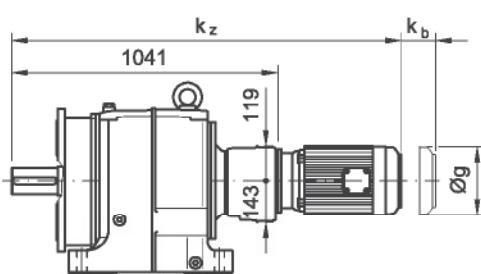
SIFD96B/C-U

100 - 280



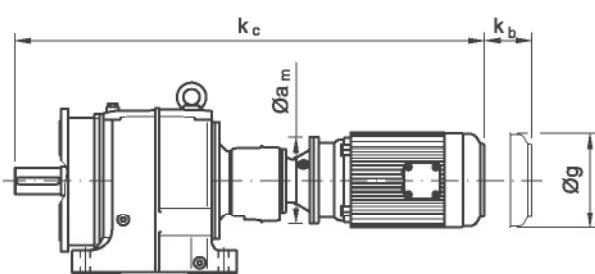
SIFD96C36B/C

63 - 160



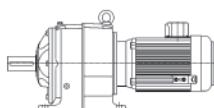
SIFD96C36B/C-I

71 - 132



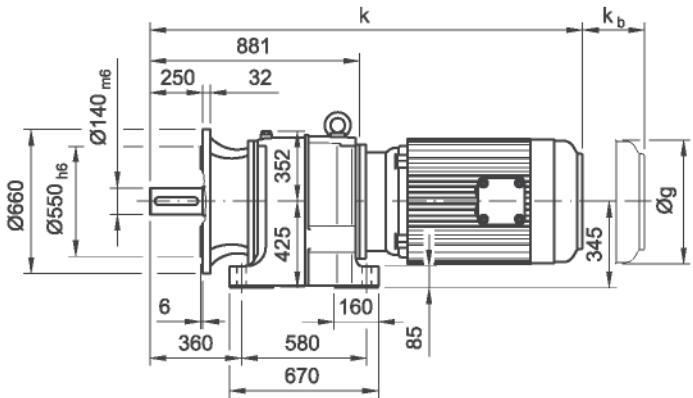
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	
k						1207	1256	1256	1365	1365	1424	1424							
ku						1289	1306	1345	1383	1461	1570	1592	1722	1787	1871	1931	2010	2127	2127
kz			1208	1395	1395	1401	1428	1514	1514										
kc	1348	1366	1384	1409	1446	1463	1565	1603											
kb	56	89	101	101	90	89	109	109	128	128	151	151							
øg	139	156	174	174	196	213	255	255	314	314	354	354							
g1	102	125	133	133	144	165	182	182	287	287	312	312							
øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	

4. SI4

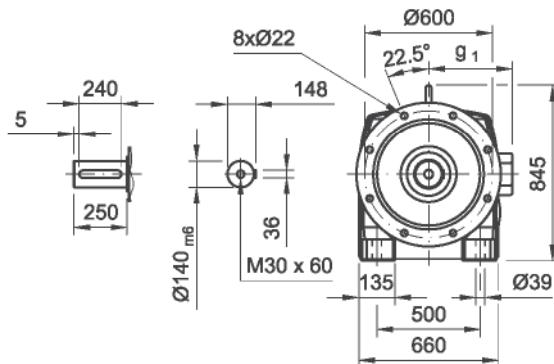


SIFM96B/C

100 - 225

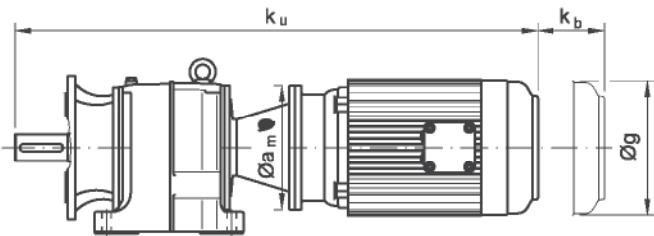


SIFM96..



SIFM96B/C-U

100 - 280

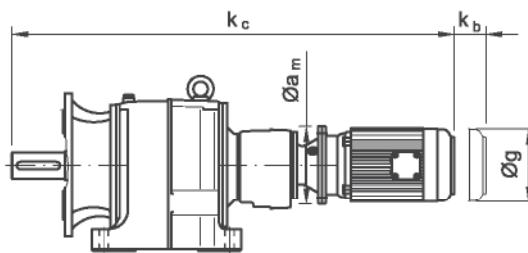
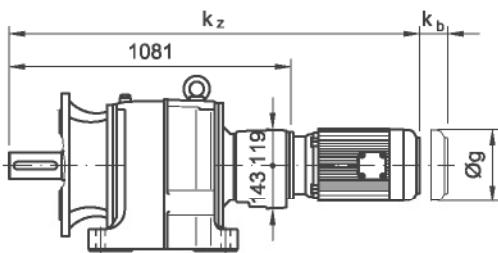


SIFM96C36B/C

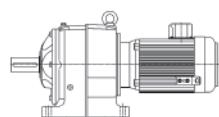
63 - 160

SIFM96C36B/C-U

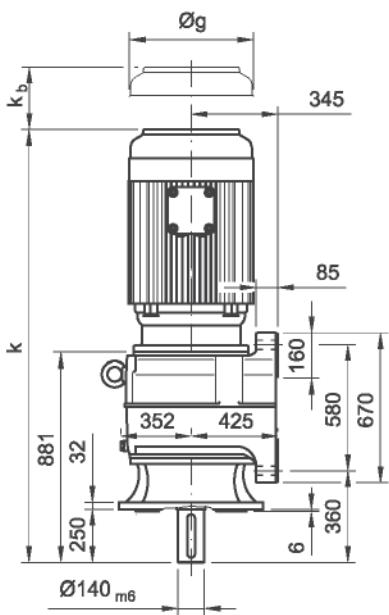
71 - 132



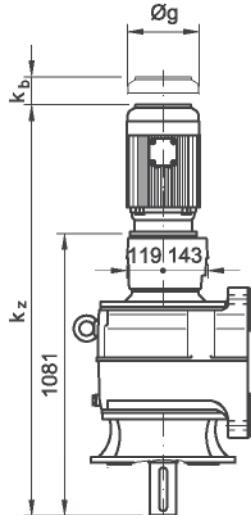
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1247	1296	1296	1405	1405	1464	1464						
ku					1329	1346	1385	1423	1566	1610	1724	1762	1852	1941	1971	2061	2167	2167
kz		1208	1435	1435	1441	1468	1554	1554										
kc	1388	1406	1424	1449	1486	1503	1605	1643										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	



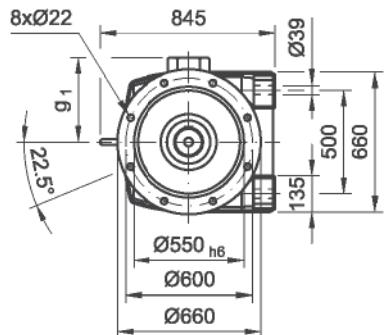
SIFA96B/C
100 - 225



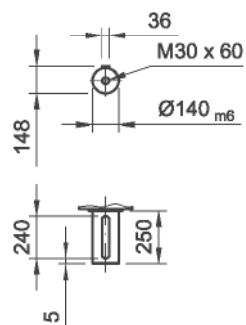
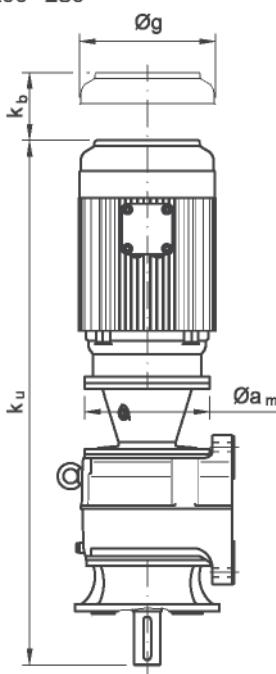
SIFA96C36B/C
63 - 160



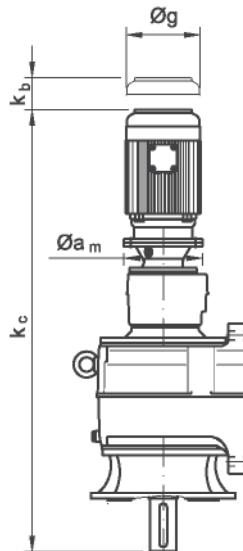
SIFA96..



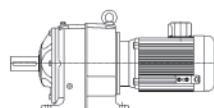
SIFA96B/C-U
100 - 280



SIFA96C36B/C-U
71 - 132

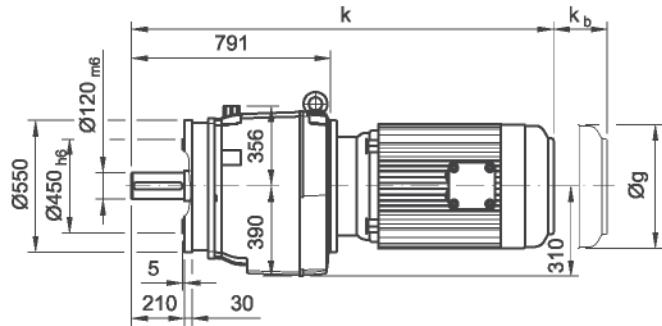


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1247	1296	1296	1405	1405	1464	1464						
ku					1329	1346	1385	1423	1566	1610	1724	1762	1852	1941	1971	2061	2167	2167
kz		1208	1435	1435	1441	1468	1554	1554										
kc	1388	1406	1424	1449	1486	1503	1605	1643										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
da_m	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550

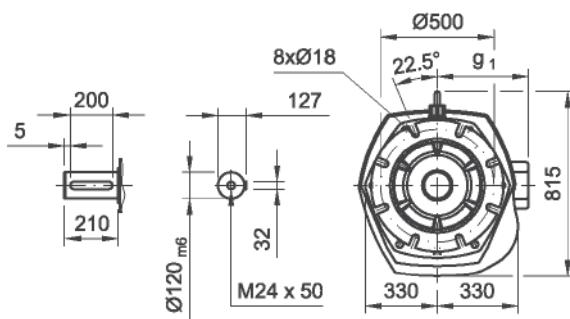


4. SI4

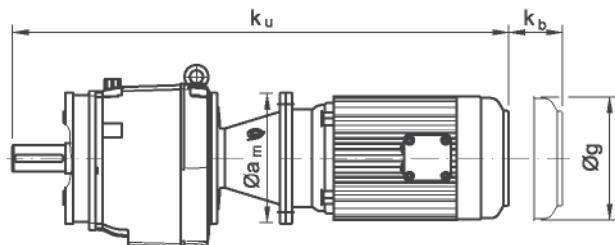
SICE96B/C
100 - 225



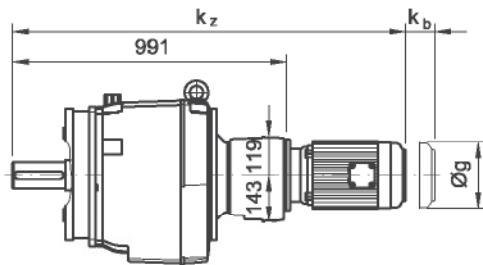
SICE96..



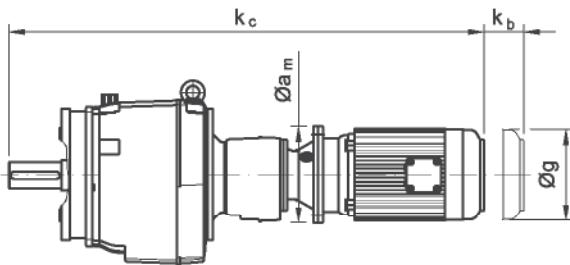
SICE96B/C-U
100 - 280



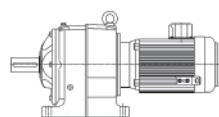
SICE96C36B/C
63 - 160



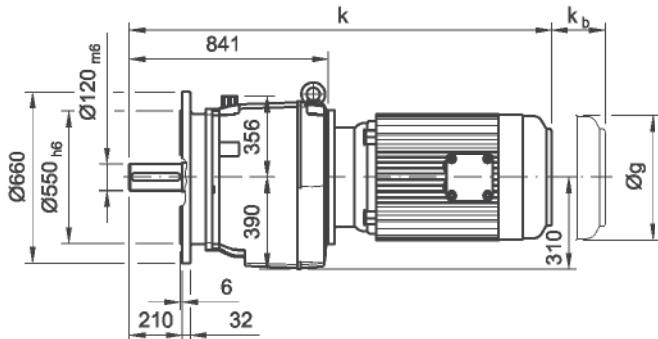
SICE96C36B/C-U
71 - 132



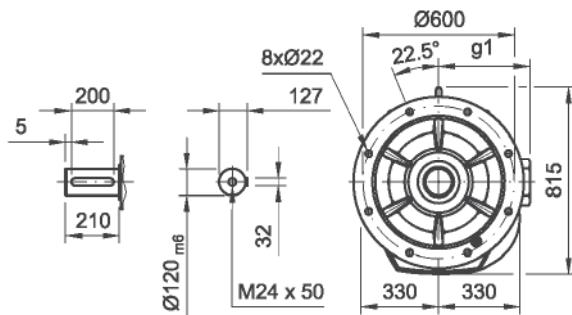
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1157	1206	1206	1315	1315	1374	1374						
ku					1239	1256	1295	1333	1476	1520	1634	1672	1762	1851	1881	1971	2077	2077
kz	1208	1345	1345	1351	1378	1464	1464											
kc	1298	1316	1334	1359	1396	1413	1515	1553										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550



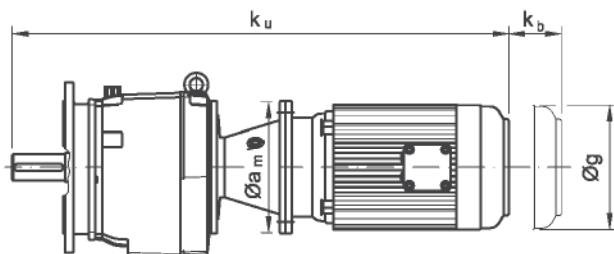
SICD96B/C
100 - 225



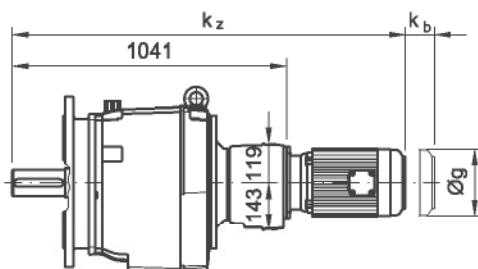
SICD96..



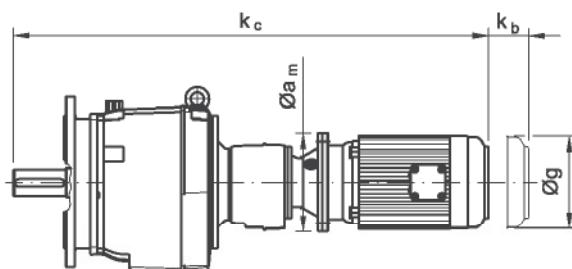
SICD96B/C-U
100 - 280



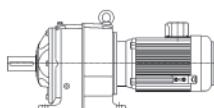
SICD96C36B/C
63 - 160



SICD96C36B/C-U
71 - 132

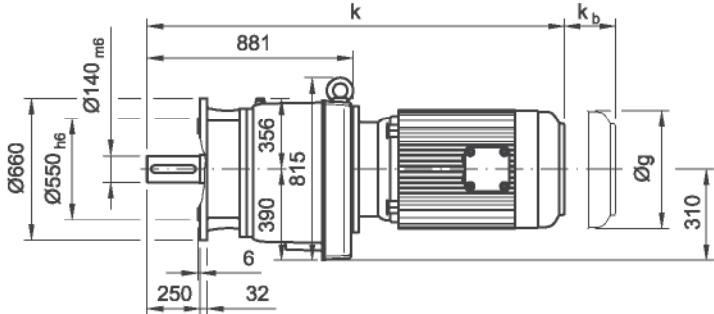


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1207	1256	1256	1365	1365	1424	1424						
ku					1289	1306	1345	1383	1461	1570	1592	1722	1787	1871	1931	2010	2127	2127
kz		1208	1395	1395	1401	1428	1514	1514										
kc	1348	1366	1384	1409	1446	1463	1565	1603										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
Da_m	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550

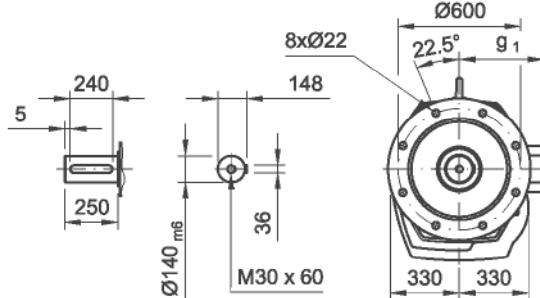


4. SI4

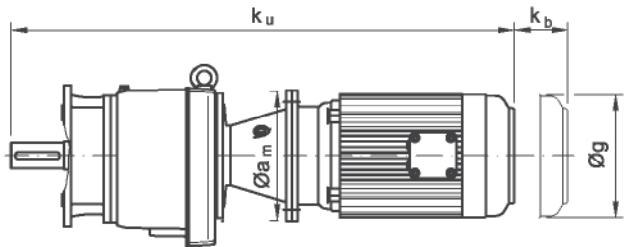
SICM96B/C
100 - 225



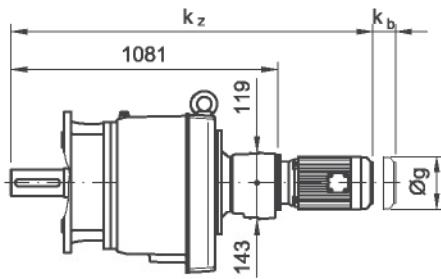
SICM96..



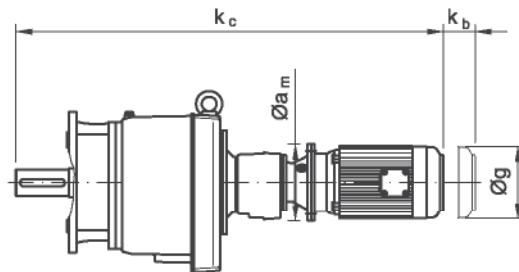
SICM96B/C-U
100 - 280



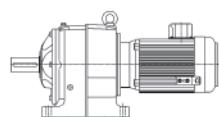
SICM96C36B/C
63 - 160



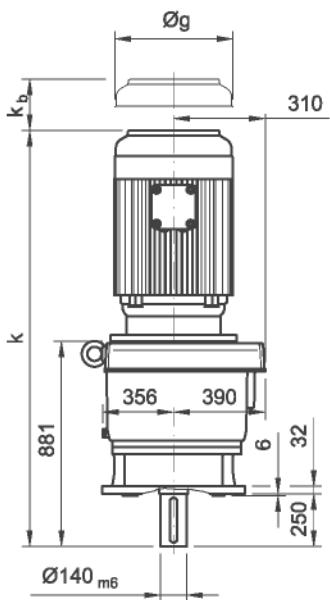
SICM96C36B/C-U
71 - 132



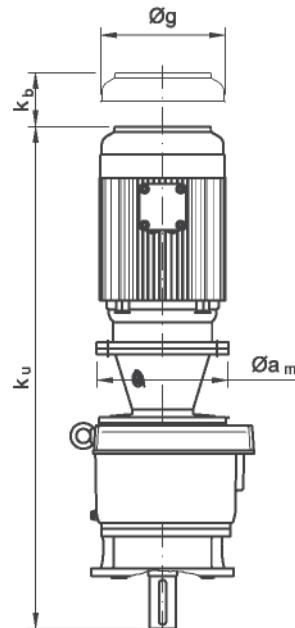
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1247	1296	1296	1405	1405	1464	1464						
ku						1346	1385	1423	1566	1610	1724	1762	1852	1941	1971	2061	2167	2167
kz		1208	1435	1435	1441	1468	1554	1554										
kc	1388	1406	1424	1449	1486	1503	1605	1643										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	



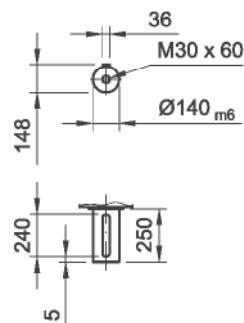
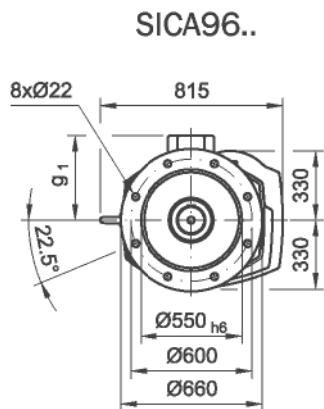
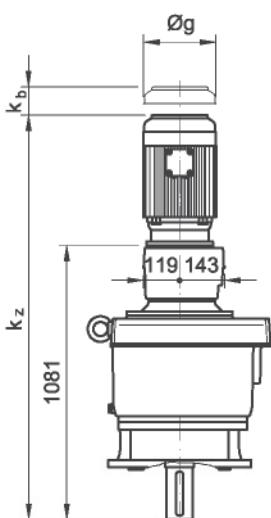
SICA96B/C
100 - 225



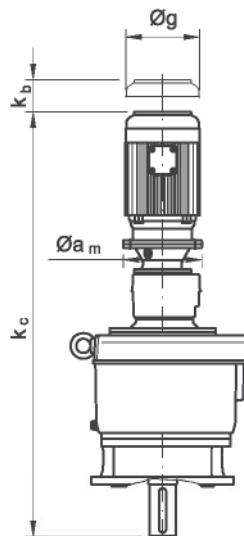
SICA96B/C-U
100 - 280



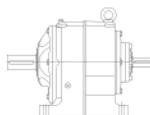
SICA96C36B/C
63 - 160



SICA96C36B/C-U
71 - 132



	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1247	1296	1296	1405	1405	1464	1464						
ku						1346	1385	1423	1566	1610	1724	1762	1852	1941	1971	2061	2167	2167
kz			1208	1435	1435	1441	1468	1554	1554									
kc	1388	1406	1424	1449	1486	1503	1605	1643										
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550



4. SI4

4.6 Auswahl Getriebe SI4

Selection of gear unit SI4

Sélection d'un réducteur SI4

Beispiel: Auswahltabellen Getriebe

Example: Gear unit selection table

Exemple de tableau de sélection pour réducteurs

Getriebeart und -größe Gear unit type and size Type et taille du réducteur			Abmessungen Seite Dimensional drawings Cotes latérales												
			Synchrongeschwindigkeit des Motors Synchronous speed of motor Vitesse synchrone du moteur												
			Gewichte Weights Poids												
SI..16			Type SI..16... -I SI..16... -U	m [kg] 25 27	M73										
Type	...	$n_{syn} =$	1500 min ⁻¹	1000 1/min	750 1/min										
		i_{ex}	n_2 min ⁻¹	P kW	T ₂ Nm	F _r N	n_2 min ⁻¹	P kW	T ₂ Nm	F _r N	n_2 min ⁻¹	P kW	T ₂ Nm	F _r N	
2.8		2.78	539	14	250										
3.15		3.23	464	14	290										
3.55		3.62	415	14	325										
4		4.14	362	14	370										
4.5		4.55	330	14	405										

200 Nm

Max. Nenndrehmoment
Max. rated torque
Couple nominal maxi.

Zulässige Radialkraft
Permissible radial force
Force radiale admissible

Drehmoment an der Abtriebswelle
Torque at output shaft
Couple au niveau de l'arbre de sortie

Mechanische Nennleistung des Getriebes
Mechanical rated power of gear unit
Puissance nominale mécanique du réducteur

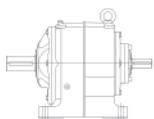
Auswahldrehzahl der Abtriebswelle
Selection speed of output shaft
Vitesse de l'arbre de sortie

Exakte Übersetzung
Exact gear ratio
Valeur exacte du rapport de démultiplication

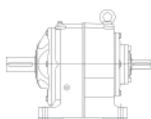
Nenn Übersetzung

Rated gear ratio

Réduction nominale

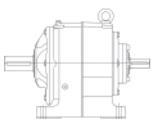


SI..16			Type SI..16... -I SI..16... -U		m [kg] 12 14				200 Nm					
Type	...	n _{syn} = <i>i_{ex}</i>	1500 min ⁻¹				1000 1/min				750 1/min			
			n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N
SI...16B...	2.8	2.80	536	5.6	100	3270								
	3.15	3.21	467	5.1	105	3880								
	3.55	3.44	436	5.0	110	3960								
	4	3.96	379	4.6	115	4000								
	4.5	4.58	328	4.1	120	4000								
	5	4.93	304	4.0	125	4000								
	5.6	5.72	262	3.6	130	4000	175	2.4	130	4000	131	1.8	130	4000
	6.3	6.56	229	3.2	135	4000	153	2.2	135	4000	114	1.6	135	4000
	7.1	7.03	213	3.2	145	4000	142	2.2	145	4000	107	1.6	145	4000
	8	8.09	185	3.0	155	4000	124	2.0	155	4000	93	1.5	155	4000
	9	9.35	160	2.7	160	4000	107	1.8	160	4000	80	1.3	160	4000
	10	10.08	149	2.6	170	4000	99	1.8	170	4000	74	1.3	170	4000
	11.2	10.88	138	2.6	180	4000	92	1.7	180	4000	69	1.3	180	4000
	12.5	12.76	118	2.2	180	4000	78	1.5	180	4000	59	1.1	180	5000
	14	13.89	108	2.0	180	4000	72	1.4	180	4500	54	1.0	180	5000
	16	16.61	90	1.7	180	4000	60	1.1	180	4500	45	0.9	180	5000
	18	18.28	82	1.5	180	4500	55	1.0	180	5000	41	0.8	180	5000
	20	20.24	74	1.4	180	4500	49	0.9	180	5000	37	0.7	180	5500
	22.4	22.55	67	1.3	180	4500	44	0.8	180	5000	33	0.6	180	5500
	25	25.32	59	1.1	180	5000	39	0.7	180	5000	30	0.6	180	5500
	28	28.18	53	1.0	180	5000	35	0.7	180	5500	27	0.5	180	5500
	31.5	31.52	48	0.9	180	5000	32	0.6	180	5500	24	0.4	180	5500
	35.5	36.64	41	0.8	180	5000	27	0.5	180	5500	20	0.4	180	5500
	40	40.82	37	0.7	180	5500	24	0.5	180	5500	18	0.3	180	5500
	45	42.13	36	0.7	180	5500	24	0.5	180	5500	18	0.3	180	5500
	50	50.73	30	0.6	180	5500	20	0.4	180	5500	15	0.3	180	5500
	56	56.32	27	0.5	180	5500	18	0.3	180	5500	13	0.3	180	5500
	63	63.15	24	0.4	180	5500	16	0.3	180	5500	12	0.2	180	5500
SI...16C...	12.5													
	14													
	16													
	18													
	20													
	22.4													
	25	24.36	62	1.2	190	4500	41	0.8	190	5500	31	0.6	190	6000
	28	28.16	53	1.1	190	5000	36	0.7	190	5500	27	0.5	190	6000
	31.5	30.35	49	1.0	200	5000	33	0.7	200	5500	25	0.5	200	6000
	35.5	32.76	46	1.0	200	5500	31	0.6	200	6000	23	0.5	200	6000
	40	38.45	39	0.8	200	5500	26	0.5	200	6000	20	0.4	200	6000
	45	41.82	36	0.8	200	5500	24	0.5	200	6000	18	0.4	200	6000
	50	50.02	30	0.6	200	6000	20	0.4	200	6000	15	0.3	200	6000
	56	55.07	27	0.6	200	6000	18	0.4	200	6000	14	0.3	200	6000
	63	60.95	25	0.5	200	6000	16	0.3	200	6000	12	0.3	200	6000
	71	67.91	22	0.5	200	6000	15	0.3	200	6000	11	0.2	200	6000
	80	76.26	20	0.4	200	6000	13	0.3	200	6000	10	0.2	200	6000
	90	84.89	18	0.4	200	6000	12	0.2	200	6000	9	0.2	200	6000
	100	94.93	16	0.3	200	6000	11	0.2	200	6000	8	0.2	200	6000
	112	110.40	14	0.3	200	6000	9	0.2	200	6000	7	0.14	200	6000
	125	122.90	12	0.3	200	6000	8	0.2	200	6000	6	0.13	200	6000
	140	126.90	12	0.2	200	6000	8	0.2	200	6000	6	0.12	200	6000
	160	152.80	10	0.2	200	6000	7	0.1	200	6000	5	0.10	200	6000
	180	169.60	9	0.2	200	6000	6	0.12	200	6000	4	0.09	200	6000
	200	190.20	8	0.2	200	6000	5	0.11	200	6000	4	0.08	200	6000
	224													
250	125													
	140													
	160													
	180													
	200													
	224													
	250													
	280													
	315													
	355													
	400													
	450													
	500													
	560													
	630													
	710													
	800													
	900													
	1000													
	1120													
	1250													



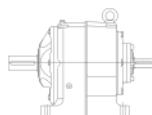
4. SI4

SI..26		Type SI..26... -I SI..26... -U	m [kg] 22 26		M78		420 Nm							
Type	...	n _{syn} =	1500 min ⁻¹				1000 1/min				750 1/min			
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N
SI..26B...	2.8	2.79	538	7.6	135	2890								
	3.15	3.11	483	7.6	150	2910								
	3.55	3.67	409	7.7	180	2940								
	4	4.11	365	7.1	185	2950								
	4.5	4.62	325	6.3	185	2940								
	5	4.90	306	5.9	185	2940								
	5.6	5.47	274	7.5	260	3000	183	5.0	260	3500	137	3.7	260	4000
	6.3	6.10	246	7.1	275	3000	164	4.7	275	4000	123	3.5	275	4500
	7.1	7.20	208	6.3	290	3000	139	4.2	290	4000	104	3.2	290	4500
	8	8.07	186	5.9	305	3500	124	4.0	305	4000	93	3.0	305	4500
	9	9.06	166	5.6	325	3500	110	3.8	325	4000	83	2.8	325	5000
	10	9.62	156	5.6	340	3500	104	3.7	340	4000	78	2.8	340	5000
	11.2	11.60	129	4.9	360	3500	86	3.2	360	4500	65	2.4	360	5000
	12.5	12.39	121	4.6	360	4000	81	3.0	360	4500	61	2.3	360	5500
	14	14.21	106	4.0	360	4000	70	2.7	360	5000	53	2.0	360	5500
	16	16.46	91	3.4	360	4500	61	2.3	360	5000	46	1.7	360	5500
	18	17.80	84	3.2	360	4500	56	2.1	360	5500	42	1.6	360	5500
	20	20.69	72	2.7	360	5000	48	1.8	360	5500	36	1.4	360	6000
	22.4	23.03	65	2.5	360	5000	43	1.6	360	5500	33	1.2	360	6000
	25	25.36	59	2.2	360	5500	39	1.5	360	6000	30	1.1	360	7500
	28	28.12	53	2.0	360	5500	36	1.3	360	6000	27	1.0	360	7500
	31.5	31.42	48	1.8	360	5500	32	1.2	360	6000	24	0.9	360	7500
	35.5	34.81	43	1.6	360	5500	29	1.1	360	7500	22	0.8	360	7500
	40	38.78	39	1.5	360	6000	26	1.0	360	7500	19	0.7	360	7500
	45	44.63	34	1.3	360	7500	22	0.8	360	7500	17	0.6	360	7500
	50	50.07	30	1.1	360	7500	20	0.8	360	7500	15	0.6	360	7500
	56													
	63													
SI..26C...	12.5													
	14													
	16													
	18	17.09	88	3.4	370	4500	59	2.6	420	5000	44	1.9	420	5500
	20	19.06	79	3.2	385	4500	52	2.3	420	5000	39	1.7	420	6000
	22.4	22.49	67	2.9	420	4500	44	2.0	420	5000	33	1.5	420	6500
	25	25.20	60	2.6	420	5000	40	1.7	420	5500	30	1.3	420	6500
	28	28.31	53	2.3	420	5000	35	1.6	420	6000	26	1.2	420	6500
	31.5	30.06	50	2.2	420	5000	33	1.5	420	6500	25	1.1	420	6500
	35.5	36.25	41	1.8	420	5500	28	1.2	420	6500	21	0.9	420	6500
	40	38.71	39	1.7	420	6000	26	1.1	420	6500	19	0.9	420	6500
	45	44.40	34	1.5	420	6500	23	1.0	420	6500	17	0.7	420	6500
	50	51.42	29	1.3	420	6500	19	0.9	420	6500	15	0.6	420	6500
	56	55.60	27	1.2	420	6500	18	0.8	420	6500	13	0.6	420	6500
	63	64.64	23	1.0	420	6500	15	0.7	420	6500	12	0.5	420	6500
	71	71.97	21	0.9	420	6500	14	0.6	420	6500	10.4	0.5	420	6500
	80	79.24	19	0.8	420	6500	13	0.6	420	6500	9.5	0.4	420	6500
	90	87.84	17	0.8	420	6500	11	0.5	420	6500	8.5	0.4	420	6500
	100	98.16	15	0.7	420	6500	10.2	0.4	420	6500	7.6	0.3	420	6500
	112	108.80	14	0.6	420	6500	9.2	0.4	420	6500	6.9	0.3	420	6500
	125	121.20	12	0.5	420	6500	8.3	0.4	420	6500	6.2	0.3	420	6500
	140	139.40	11	0.5	420	6500	7.2	0.3	420	6500	5.4	0.2	420	6500
	160	156.40	9.6	0.4	420	6500	6.4	0.3	420	6500	4.8	0.2	420	6500
	180													
	200													
	224													
SI..26C16B...	125													
	140													
	160													
	180	171.90	8.7	0.4	420	6500	5.8	0.3	420	6500	4.4	0.2	420	6500
	200	197.10	7.6	0.3	420	6500	5.1	0.2	420	6500	3.8	0.2	420	6500
	224	211.20	7.1	0.3	420	6500	4.7	0.2	420	6500	3.6	0.2	420	6500
	250	243.10	6.2	0.3	420	6500	4.1	0.2	420	6500	3.1	0.14	420	6500
	280	281.00	5.3	0.2	420	6500	3.6	0.2	420	6500	2.7	0.12	420	6500
	315	303.00	5.0	0.2	420	6500	3.3	0.15	420	6500	2.5	0.11	420	6500
	355	327.10	4.6	0.2	420	6500	3.1	0.13	420	6500	2.3	0.10	420	6500
	400	383.60	3.9	0.2	420	6500	2.6	0.11	420	6500	2.0	0.09	420	6500
	450	417.50	3.6	0.2	420	6500	2.4	0.11	420	6500	1.8	0.08	420	6500
	500	499.30	3.0	0.13	420	6500	2.0	0.09	420	6500	1.5	0.07	420	6500
	560	549.50	2.7	0.12	420	6500	1.8	0.08	420	6500	1.4	0.06	420	6500
	630	608.40	2.5	0.11	420	6500	1.6	0.07	420	6500	1.2	0.05	420	6500
	710	677.90	2.2	0.10	420	6500	1.5	0.06	420	6500	1.1	0.05	420	6500
	800	761.10	2.0	0.09	420	6500	1.3	0.06	420	6500	1.0	0.04	420	6500
	900	847.10	1.8	0.08	420	6500	1.2	0.05	420	6500	0.9	0.04	420	6500
	1000	947.50	1.6	0.07	420	6500	1.1	0.05	420	6500	0.8	0.03	420	6500
	1120	1101.00	1.4	0.06	420	6500	0.9	0.04	420	6500	0.7	0.03	420	6500
	1250	1227.00	1.2	0.05	420	6500	0.8	0.04	420	6500	0.6	0.03	420	6500



SI..36			Type SI..36... -I SI..36... -U		m [kg] 42 46		M85		820 Nm					
Type	...	n _{syn} =	1500 min ⁻¹				1000 1/min				750 1/min			
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N
SI...36B...	2.8	2.78	539	14(1)	250	6560								
	3.15	3.23	464	14(1)	290	6790								
	3.55	3.62	415	14(1)	325	6970								
	4	4.14	362	14(1)	370	7000								
	4.5	4.55	330	14(1)	405	7000								
	5	5.25	286	14(1)	470	7000								
	5.6	5.48	274	15(1)	520	7000	183	9.9	520	8500	137	7.5	520	9500
	6.3	6.36	236	14(1)	550	7000	157	9.1	550	8500	118	6.8	550	9500
	7.1	7.12	211	13(1)	580	7500	141	8.5	580	9000	105	6.4	580	10000
	8	8.15	184	12(1)	610	7500	123	7.8	610	9000	92	5.9	610	10500
	9	8.94	168	11(1)	645	8000	112	7.6	645	9500	84	5.7	645	11000
	10	10.33	145	10(1)	680	8500	97	6.9	680	10000	73	5.2	680	11000
	11.2	11.41	131	9.9	720	8500	88	6.6	720	10000	66	5.0	720	11000
	12.5	12.67	118	8.9	720	9000	79	6.0	720	11000	59	4.5	720	12000
	14	13.57	111	8.3	720	9500	74	5.6	720	11000	55	4.2	720	12000
	16	15.87	95	7.1	720	10000	63	4.8	720	11000	47	3.6	720	12000
	18	17.09	88	6.6	720	10500	59	4.4	720	11500	44	3.3	720	12000
	20	19.41	77	5.8	720	11000	52	3.9	720	12000	39	2.9	720	12000
	22.4	21.98	68	5.1	720	12000	45	3.4	720	12000	34	2.6	720	12000
	25	23.97	63	4.7	720	12000	42	3.1	720	12000	31	2.4	720	12000
	28	27.74	54	4.1	720	12000	36	2.7	720	12000	27	2.0	720	12000
	31.5	30.63	49	3.7	720	12000	33	2.5	720	12000	24	1.8	720	12000
	35.5	36.65	41	3.1	720	12000	27	2.1	720	12000	20	1.5	720	12000
	40	40.81	37	2.8	720	12000	25	1.8	720	12000	18	1.4	720	12000
	45	45.14	33	2.5	720	12000	22	1.7	720	12000	17	1.3	720	12000
	50	50.15	30	2.3	720	12000	20	1.5	720	12000	15	1.1	720	12000
	56													
	63													
SI...36C...	12.5													
	14													
	16													
	18													
	20													
	22.4	23.42	64	5.1	755	10500	43	3.6	800	11000	32	2.7	820	11000
	25	25.69	58	4.8	780	11000	39	3.3	820	11000	29	2.5	820	11000
	28	29.67	51	4.2	800	11000	34	2.9	820	11000	25	2.2	820	11000
	31.5	32.80	46	3.9	820	11000	30	2.6	820	11000	23	2.0	820	11000
	35.5	36.41	41	3.5	820	11000	27	2.4	820	11000	21	1.8	820	11000
	40	39.00	38	3.3	820	11000	26	2.2	820	11000	19	1.7	820	11000
	45	45.60	33	2.8	820	11000	22	1.9	820	11000	16	1.4	820	11000
	50	49.12	31	2.6	820	11000	20	1.7	820	11000	15	1.3	820	11000
	56	55.78	27	2.3	820	11000	18	1.5	820	11000	13	1.2	820	11000
	63	63.17	24	2.0	820	11000	16	1.4	820	11000	12	1.0	820	11000
	71	68.88	22	1.9	820	11000	15	1.2	820	11000	11	0.9	820	11000
	80	79.73	19	1.6	820	11000	13	1.1	820	11000	9.4	0.8	820	11000
	90	88.04	17	1.5	820	11000	11	1.0	820	11000	8.5	0.7	820	11000
	100	105.30	14	1.2	820	11000	9.5	0.8	820	11000	7.1	0.6	820	11000
	112	117.30	13	1.1	820	11000	8.5	0.7	820	11000	6.4	0.5	820	11000
	125	129.70	12	1.0	820	11000	7.7	0.7	820	11000	5.8	0.5	820	11000
	140	144.10	10	0.9	820	11000	6.9	0.6	820	11000	5.2	0.4	820	11000
	160													
	180													
	200													
	224													
SI...36C16B...	125													
	140													
	160	168.40	8.9	0.8	820	11000	5.9	0.5	820	11000	4.5	0.4	820	11000
	180	180.50	8.3	0.7	820	11000	5.5	0.5	820	11000	4.2	0.4	820	11000
	200	207.80	7.2	0.6	820	11000	4.8	0.4	820	11000	3.6	0.3	820	11000
	224	223.10	6.7	0.6	820	11000	4.5	0.4	820	11000	3.4	0.3	820	11000
	250	255.70	5.9	0.5	820	11000	3.9	0.3	820	11000	2.9	0.3	820	11000
	280	274.10	5.5	0.5	820	11000	3.6	0.3	820	11000	2.7	0.2	820	11000
	315	315.40	4.8	0.4	820	11000	3.2	0.3	820	11000	2.4	0.2	820	11000
	355	364.60	4.1	0.4	820	11000	2.7	0.2	820	11000	2.1	0.2	820	11000
	400	393.10	3.8	0.3	820	11000	2.5	0.2	820	11000	1.9	0.2	820	11000
	450	424.30	3.5	0.3	820	11000	2.4	0.2	820	11000	1.8	0.2	820	11000
	500	497.60	3.0	0.3	820	11000	2.0	0.2	820	11000	1.5	0.13	820	11000
	560	541.70	2.8	0.2	820	11000	1.8	0.2	820	11000	1.4	0.12	820	11000
	630	647.80	2.3	0.2	820	11000	1.5	0.13	820	11000	1.2	0.10	820	11000
	710	712.90	2.1	0.2	820	11000	1.4	0.12	820	11000	1.1	0.09	820	11000
	800	789.40	1.9	0.2	820	11000	1.3	0.11	820	11000	1.0	0.08	820	11000
	900	879.50	1.7	0.15	820	11000	1.1	0.10	820	11000				
	1000	987.50	1.5	0.13	820	11000	1.0	0.09	820	11000				
	1120	1099.00	1.4	0.12	820	11000	0.9	0.08	820	11000				
	1250	1229.00	1.2	0.10	820	11000	0.8	0.07	820	11000				

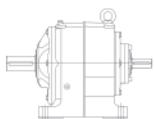
(1)Achtung! Maximale Thermische Leistung beachten • Attention! Please consult page 20 for thermal break even perfomance.
Attention! Vérifier svp la puissance thermique maximum.



4. SI4

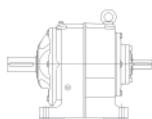
SI..46		Type SI..46... -I SI..46... -U	m [kg] 71 85		M92		1600 Nm							
Type	...	n _{syn} =	1500 min ⁻¹				1000 1/min				750 1/min			
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N
SI..46B...	2.8	2.80	535	21(1)	375	8690								
	3.15	3.15	477	21(1)	420	8890								
	3.55	3.62	414	21(1)	485	9000								
	4	4.10	365	21(1)	550	9000								
	4.5	4.62	325	21(1)	620	9000								
	5	5.29	283	21(1)	710	9000								
	5.6	5.40	278	25(1)	850	9000	185	16	850	10000	139	12	850	11000
	6.3	6.05	248	24(1)	910	9000	165	16	910	10500	124	12	910	12000
	7.1	6.97	215	22(1)	980	9000	144	15	980	11000	108	11	980	12000
	8	7.90	190	21(1)	1050	9000	127	14	1050	11000	95	10	1050	12500
	9	8.88	169	20(1)	1130	9500	113	13	1130	11500	84	10	1130	13000
	10	10.18	147	19(1)	1210	9500	98	12	1210	11500	74	9.3	1210	13000
	11.2	11.24	133	18(1)	1300	10000	89	12	1300	12000	67	9.1	1300	13500
	12.5	12.37	121	17(1)	1300	10500	81	11	1300	12500	61	8.3	1300	14000
	14	13.93	108	16	1400	10500	72	11	1400	13000	54	7.9	1400	14500
	16	15.45	97	14	1400	11000	65	9.5	1400	13500	49	7.1	1400	15500
	18	17.70	85	12	1400	12000	56	8.3	1400	14000	42	6.2	1400	16000
	20	20.78	72	11	1400	12500	48	7.1	1400	14000	36	5.3	1400	17000
	22.4	22.24	67	9.9	1400	13000	45	6.6	1400	16000	34	4.9	1400	18000
	25	24.84	60	8.9	1400	14000	40	5.9	1400	16500	30	4.4	1400	19000
	28	28.34	53	7.8	1400	14500	35	5.2	1400	17500	26	3.9	1400	19000
	31.5	30.73	49	7.2	1400	15000	33	4.8	1400	18000	24	3.6	1400	19000
	35.5	35.47	42	6.2	1400	16000	28	4.1	1400	19000	21	3.1	1400	19000
	40	38.96	39	5.6	1400	17000	26	3.8	1400	19000	19	2.8	1400	19000
	45	46.48	32	4.7	1400	18000	22	3.2	1400	19000	16	2.4	1400	19000
	50	52.12	29	4.2	1400	19000	19	2.8	1400	19000	14	2.1	1400	19000
	56													
	63													
SI..46C...	12.5													
	14													
	16													
	18													
	20													
	22.4													
	25													
	28	26.62	56	8.9	1500	14000	38	6.3	1600	16500	28	4.7	1600	17500
	31.5	29.94	50	8.4	1600	14500	33	5.6	1600	17500	25	4.2	1600	17500
	35.5	34.34	44	7.3	1600	15500	29	4.9	1600	17500	22	3.7	1600	17500
	40	37.89	40	6.6	1600	16000	26	4.4	1600	17500	20	3.3	1600	21000
	45	41.69	36	6.0	1600	17500	24	4.0	1600	17500	18	3.0	1600	21000
	50	46.97	32	5.4	1600	17500	21	3.6	1600	17500	16	2.7	1600	21000
	56	52.10	29	4.8	1600	17500	19	3.2	1600	19000	14	2.4	1600	21000
	63	59.67	25	4.2	1600	17500	17	2.8	1600	21000	13	2.1	1600	21000
	71	70.07	21	3.6	1600	18000	14	2.4	1600	21000	11	1.8	1600	21000
	80	74.99	20	3.4	1600	19000	13	2.2	1600	21000	10.0	1.7	1600	21000
	90	83.75	18	3.0	1600	21000	12	2.0	1600	21000	9.0	1.5	1600	21000
	100	95.56	16	2.6	1600	21000	10.5	1.8	1600	21000	7.8	1.3	1600	21000
	112	103.60	14	2.4	1600	21000	9.7	1.6	1600	21000	7.2	1.2	1600	21000
	125	119.60	13	2.1	1600	21000	8.4	1.4	1600	21000	6.3	1.1	1600	21000
	140	131.30	11	1.9	1600	21000	7.6	1.3	1600	21000	5.7	1.0	1600	21000
	160	158.20	9.5	1.6	1600	21000	6.3	1.1	1600	21000	4.7	0.8	1600	21000
	180	175.70	8.5	1.4	1600	21000	5.7	1.0	1600	21000	4.3	0.7	1600	21000
	200													
	224													
SI..46C16B...	125													
	140													
	160													
	180													
	200	196.40	7.6	1.3	1600	21000	5.1	0.9	1600	21000	3.8	0.6	1600	21000
	224	225.20	6.7	1.1	1600	21000	4.4	0.7	1600	21000	3.3	0.6	1600	21000
	250	241.30	6.2	1.0	1600	21000	4.1	0.7	1600	21000	3.1	0.5	1600	21000
	280	277.70	5.4	0.9	1600	21000	3.6	0.6	1600	21000	2.7	0.5	1600	21000
	315	321.00	4.7	0.8	1600	21000	3.1	0.5	1600	21000	2.3	0.4	1600	21000
	355	346.10	4.3	0.7	1600	21000	2.9	0.5	1600	21000	2.2	0.4	1600	21000
	400	373.60	4.0	0.7	1600	21000	2.7	0.4	1600	21000	2.0	0.3	1600	21000
	450	438.20	3.4	0.6	1600	21000	2.3	0.4	1600	21000	1.7	0.3	1600	21000
	500	477.00	3.1	0.5	1600	21000	2.1	0.4	1600	21000	1.6	0.3	1600	21000
	560	570.40	2.6	0.4	1600	21000	1.8	0.3	1600	21000	1.3	0.2	1600	21000
	630	627.70	2.4	0.4	1600	21000	1.6	0.3	1600	21000	1.2	0.2	1600	21000
	710	695.00	2.2	0.4	1600	21000	1.4	0.2	1600	21000	1.1	0.2	1600	21000
	800	774.40	1.9	0.3	1600	21000	1.3	0.2	1600	21000	1.0	0.2	1600	21000
	900	869.50	1.7	0.3	1600	21000	1.2	0.2	1600	21000	0.9	0.14	1600	21000
	1000	967.70	1.6	0.3	1600	21000	1.0	0.2	1600	21000	0.8	0.13	1600	21000
	1120	1082.00	1.4	0.2	1600	21000	0.9	0.2	1600	21000	0.7	0.12	1600	21000
	1250	1258.00	1.2	0.2	1600	21000	0.8	0.13	1600	21000	0.6	0.10	1600	21000

(1)Achtung! Maximale Thermische Leistung beachten • Attention! Please consult page 20 for thermal break even performance.
 Attention! Vérifier svp la puissance thermique maximum.



SI..56			Type SI..56... -I SI..56... -U		m [kg] 112 126				2800 Nm					
Type	...	n _{syn} =	1500 min ⁻¹				1000 1/min				750 1/min			
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N
SI...56B...	2.8	2.74	547	39(1)	680	8820								
	3.15	3.02	496	39(1)	750	9010								
	3.55	3.48	431	39(1)	865	9270								
	4	3.93	381	39(1)	975	9480								
	4.5	4.34	346	39(1)	1080	9650								
	5	4.94	303	46(1)	1460	10500								
	5.6	5.45	275	45(1)	1570	10500	183	29	1570	12000	138	22	1570	13500
	6.3	6.28	239	42(1)	1680	10500	159	28	1680	12500	119	21	1680	14000
	7.1	7.09	212	40(1)	1800	10500	141	27	1800	13000	106	20	1800	14500
	8	7.83	192	39(1)	1940	10500	128	26	1940	13000	96	19	1940	15000
	9	8.89	169	37(1)	2080	11000	113	25	2080	13500	84	18	2080	15500
	10	9.99	150	35(1)	2240	11000	100	23	2240	13500	75	18	2240	15500
	11.2	11.10	135	34(1)	2400	11500	90	23	2400	14000	68	17	2400	16000
	12.5	12.63	119	30	2400	11500	79	20	2400	14500	59	15	2400	17000
	14	13.64	110	28	2400	12500	73	18	2400	15500	55	14	2400	18000
	16	15.12	99	25	2400	13500	66	17	2400	16500	50	12	2400	19000
	18	17.40	86	22	2400	14500	57	14	2400	17500	43	11	2400	20000
	20	19.63	76	19	2400	15000	51	13	2400	18500	38	9.6	2400	21000
	22.4	22.35	67	17	2400	16000	45	11	2400	19500	34	8.4	2400	22000
	25	24.52	61	15	2400	17000	41	10	2400	20500	31	7.7	2400	23000
	28	28.11	53	13	2400	18000	36	8.9	2400	21500	27	6.7	2400	24000
	31.5	30.46	49	12	2400	18500	33	8.3	2400	22000	25	6.2	2400	24000
	35.5	35.94	42	10	2400	20000	28	7.0	2400	24000	21	5.2	2400	24000
	40	40.09	37	9.4	2400	21000	25	6.3	2400	24000	19	4.7	2400	24000
	45	44.58	34	8.5	2400	22000	22	5.6	2400	24000	17	4.2	2400	24000
	50													
	56													
	63													
SI...56C...	12.5													
	14													
	16													
	18													
	20													
	22.4													
	25													
	28	27.03	55	14.5	2500	17500	37	9.7	2500	19500	28	7.3	2500	22000
	31.5	30.68	49	13.3	2600	18000	33	8.9	2600	21000	24	6.7	2600	23000
	35.5	34.48	44	12.8	2800	18500	29	8.5	2800	22000	22	6.4	2800	23500
	40	38.33	39	11.5	2800	19500	26	7.6	2800	23000	20	5.7	2800	24000
	45	43.63	34	10.1	2800	21000	23	6.7	2800	23500	17	5.0	2800	25500
	50	47.10	32	9.3	2800	22000	21	6.2	2800	24000	16	4.7	2800	25500
	56	52.21	29	8.4	2800	22000	19	5.6	2800	25500	14	4.2	2800	25500
	63	60.09	25	7.3	2800	22500	17	4.9	2800	25500	12	3.7	2800	25500
	71	67.77	22	6.5	2800	23500	15	4.3	2800	25500	11	3.2	2800	25500
	80	77.16	19	5.7	2800	24000	13	3.8	2800	25500	9.7	2.8	2800	25500
	90	84.66	18	5.2	2800	25500	12	3.5	2800	25500	8.9	2.6	2800	25500
	100	97.06	15	4.5	2800	25500	10.3	3.0	2800	25500	7.7	2.3	2800	25500
	112	105.20	14	4.2	2800	25500	9.5	2.8	2800	25500	7.1	2.1	2800	25500
	125	124.10	12	3.5	2800	25500	8.1	2.4	2800	25500	6.0	1.8	2800	25500
	140	138.40	11	3.2	2800	25500	7.2	2.1	2800	25500	5.4	1.6	2800	25500
	160	154.00	9.7	2.9	2800	25500	6.5	1.9	2800	25500	4.9	1.4	2800	25500
	180													
	200													
	224													
SI...56C16B...	125													
	140													
	160													
	180	175.50	8.5	2.5	2800	25000	5.7	1.7	2800	25500	4.3	1.3	2800	25500
	200	201.20	7.5	2.2	2800	25000	5.0	1.5	2800	25500	3.7	1.1	2800	25500
	224	215.60	7.0	2.0	2800	25000	4.6	1.4	2800	25500	3.5	1.0	2800	25500
	250	248.10	6.0	1.8	2800	25000	4.0	1.2	2800	25500	3.0	0.9	2800	25500
	280	286.80	5.2	1.5	2800	25000	3.5	1.0	2800	25500	2.6	0.8	2800	25500
	315	309.30	4.8	1.4	2800	25000	3.2	0.9	2800	25500	2.4	0.7	2800	25500
	355	333.80	4.5	1.3	2800	25000	3.0	0.9	2800	25500	2.2	0.7	2800	25500
	400	391.50	3.8	1.1	2800	25000	2.6	0.7	2800	25500	1.9	0.6	2800	25500
	450	426.10	3.5	1.0	2800	25000	2.3	0.7	2800	25500	1.8	0.5	2800	25500
	500	509.60	2.9	0.9	2800	25000	2.0	0.6	2800	25500	1.5	0.4	2800	25500
	560	560.80	2.7	0.8	2800	25000	1.8	0.5	2800	25500	1.3	0.4	2800	25500
	630	621.00	2.4	0.7	2800	25000	1.6	0.5	2800	25500	1.2	0.4	2800	25500
	710	691.80	2.2	0.6	2800	25000	1.4	0.4	2800	25500	1.1	0.3	2800	25500
	800	776.80	1.9	0.6	2800	25000	1.3	0.4	2800	25500	1.0	0.3	2800	25500
	900	864.60	1.7	0.5	2800	25000	1.2	0.3	2800	25500	0.9	0.3	2800	25500
	1000	967.00	1.6	0.5	2800	25000	1.0	0.3	2800	25500	0.8	0.2	2800	25500
	1120	1124.00	1.3	0.4	2800	25000	0.9	0.3	2800	25500	0.7	0.2	2800	25500
	1250	1252.00	1.2	0.4	2800	25000	0.8	0.2	2800	25500	0.6	0.2	2800	25500

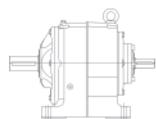
(1)Achtung! Maximale Thermische Leistung beachten • Attention! Please consult page 20 for thermal break even performance.
Attention! Vérifier svp la puissance thermique maximum.



4. SI4

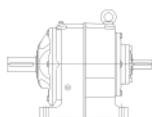
SI..66			Type SI..66... -I SI..66... -U	m [kg] 180 220			M108	5000 Nm						
Type	...	n _{syn} =	1500 min ⁻¹				1000 1/min				750 1/min			
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N
SI..66B...	2.8	2.83	530	89(1)	1600	20930								
	3.15	3.14	477	85(1)	1700	21110								
	3.55	3.75	400	78(1)	1850	21190								
	4	4.02	373	76(1)	1950	21370								
	4.5	4.65	323	69(1)	2050	21260								
	5	4.99	301	91(1)	2900	25500	200	60.9	2900	20000	150	46	2900	21000
	5.6	5.54	271	85(1)	3000	23500	181	56.7	3000	20000	135	43	3000	22000
	6.3	6.60	227	79(1)	3300	22500	152	52.4	3300	19000	114	39	3300	21500
	7.1	7.09	212	78(1)	3500	22500	141	51.7	3500	18500	106	39	3500	21500
	8	8.19	183	69(1)	3600	20500	122	46.0	3600	18500	92	35	3600	22500
	9	9.16	164	65(1)	3800	15500	109	43.4	3800	18000	82	33	3800	23500
	10	9.89	152	62(1)	3900	15500	101	41.3	3900	20000	76	31	3900	24000
	11.2	11.14	135	56(1)	4000	16000	90	37.6	4000	20500	67	28	4000	24500
	12.5	12.62	119	51(1)	4100	26500	79	34.0	4100	22000	59	26	4100	26000
	14	13.76	109	47(1)	4100	17500	73	31.2	4100	23500	55	23	4100	27500
	16	15.77	95	41	4100	19500	63	27.2	4100	25500	48	20	4100	30000
	18	18.28	82	35	4100	21500	55	23.5	4100	27000	41	18	4100	32000
	20	20.31	74	32	4100	23000	49	21.1	4100	29000	37	16	4100	33000
	22.4	21.69	69	30	4100	24500	46	19.8	4100	31000	35	15	4100	36000
	25	24.12	62	27	4100	26000	41	17.8	4100	32000	31	13	4100	38000
	28	27.36	55	24	4100	27500	37	15.7	4100	34000	27	12	4100	38000
	31.5	29.86	50	22	4100	29500	33	14.4	4100	36000	25	11	4100	38000
	35.5	34.18	44	19	4100	32000	29	12.6	4100	38000	22	9	4100	38000
	40	37.35	40	17	4100	33000	27	11.5	4100	38000	20	9	4100	38000
	45	44.00	34	15	4100	36000	23	9.8	4100	38000	17	7	4100	38000
	50	48.46	31	13	4000	38000	21	8.6	4000	38000	15	6	4000	38000
	56	53.82	28	11	3700	38000	19	7.2	3700	38000	14	5	3700	38000
	63													
SI..66C...	12.5													
	14													
	16													
	18													
	20	19.96	75	35(1)	4500	24500	50	26.2	5000	23500	38	20	5000	31000
	22.4	22.15	68	32(1)	4500	19000	45	23.6	5000	25000	34	18	5000	33000
	25	26.40	57	27	4600	20500	38	19.8	5000	29500	28	15	5000	35000
	28	28.35	53	27	4800	22500	35	18.5	5000	30000	26	14	5000	36000
	31.5	32.77	46	24	5000	24500	31	16.0	5000	31000	23	12	5000	37000
	35.5	36.65	41	21	5000	26500	27	14.3	5000	34000	20	11	5000	38000
	40	39.57	38	20	5000	28000	25	13.2	5000	36000	19	9.9	5000	38000
	45	44.56	34	18	5000	31000	22	11.7	5000	38000	17	8.8	5000	38000
	50	50.46	30	16	5000	32000	20	10.4	5000	38000	15	7.8	5000	38000
	56	55.03	27	14	5000	34000	18	9.5	5000	38000	14	7.1	5000	38000
	63	63.10	24	12	5000	36500	16	8.3	5000	38000	12	6.2	5000	38000
	71	73.11	21	11	5000	38000	14	7.2	5000	38000	10	5.4	5000	38000
	80	81.23	18	9.7	5000	38000	12	6.4	5000	38000	9.2	4.8	5000	38000
	90	86.77	17	9.1	5000	38000	12	6.0	5000	38000	8.6	4.5	5000	38000
	100	96.46	16	8.1	5000	38000	10	5.4	5000	38000	7.8	4.1	5000	38000
	112	109.44	14	7.2	5000	38000	9.1	4.8	5000	38000	6.9	3.6	5000	38000
	125	119.46	13	6.6	5000	38000	8.4	4.4	5000	38000	6.3	3.3	5000	38000
	140	136.74	11	5.7	5000	38000	7.3	3.8	5000	38000	5.5	2.9	5000	38000
	160	149.41	10.0	5.3	5000	38000	6.7	3.5	5000	38000	5.0	2.6	5000	38000
	180	176.00	8.5	4.5	5000	38000	5.7	3.0	5000	38000	4.3	2.2	5000	38000
	200	193.85	7.7	4.1	5000	38000	5	2.7	5000	38000	3.9	2.0	5000	38000
	224	215.26	7.0	3.6	5000	38000	5	2.4	5000	38000	3.5	1.8	5000	38000
SI..66C36B...	125													
	140													
	160	155.22	9.7	5.1	5000	38000	6.4	3.4	5000	38000	4.8	2.5	5000	38000
	180	179.42	8.4	4.4	5000	38000	5.6	2.9	5000	38000	4.2	2.2	5000	38000
	200	200.66	7.5	3.9	5000	38000	5.0	2.6	5000	38000	3.7	2.0	5000	38000
	224	216.65	6.9	3.6	5000	38000	4.6	2.4	5000	38000	3.5	1.8	5000	38000
	250	243.97	6.1	3.2	5000	38000	4.1	2.1	5000	38000	3.1	1.6	5000	38000
	280	283.22	5.3	2.8	5000	38000	3.5	1.8	5000	38000	2.6	1.4	5000	38000
	315	317.09	4.7	2.5	5000	38000	3.2	1.7	5000	38000	2.4	1.2	5000	38000
	355	363.07	4.1	2.2	5000	38000	2.8	1.4	5000	38000	2.1	1.1	5000	38000
	400	387.42	3.9	2.0	5000	38000	2.6	1.4	5000	38000	1.9	1.0	5000	38000
	450	438.72	3.4	1.8	5000	38000	2.3	1.2	5000	38000	1.7	0.9	5000	38000
	500	512.42	2.9	1.5	5000	38000	2.0	1.0	5000	38000	1.5	0.8	5000	38000
	560	550.27	2.7	1.4	5000	38000	1.8	1.0	5000	38000	1.4	0.7	5000	38000
	630	636.07	2.4	1.2	5000	38000	1.6	0.8	5000	38000	1.2	0.6	5000	38000
	710	711.38	2.1	1.1	5000	38000	1.4	0.7	5000	38000	1.1	0.6	5000	38000
	800	805.57	1.9	1.0	5000	38000	1.2	0.6	5000	38000	0.9	0.5	5000	38000
	900	864.91	1.7	0.9	5000	38000	1.2	0.6	5000	38000	0.9	0.5	5000	38000
	1000	979.43	1.5	0.8	5000	38000	1.0	0.5	5000	38000	0.8	0.4	5000	38000
	1120	1068.10	1.4	0.7	5000	38000	0.9	0.5	5000	38000	0.7	0.4	5000	38000
	1250	1236.09	1.2	0.6	5000	38000	0.8	0.4	5000	38000	0.6	0.3	5000	38000

(1)Achtung! Maximale Thermische Leistung beachten • Attention! Please consult page 20 for thermal break even performance.
Attention! Vérifier svp la puissance thermique maximum.



SI..76			Type SI..76... -I SI..76... -U		m [kg] 275 325		M118		9000 Nm					
Type	...	n _{syn} =	1500 min ⁻¹				1000 1/min				750 1/min			
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N
SI...76B...	2.8	2.71	554	174(1)	3000	36170								
	3.15	3.07	489	161(1)	3150	37160								
	3.55	3.47	432	152(1)	3350	38150								
	4	3.94	381	142(1)	3550	39140								
	4.5	4.29	349	134(1)	3650	39790								
	5	4.98	301	173(1)	5500	46000	201	71	3400	43500	151	87	5500	35000
	5.6	5.64	266	162(1)	5800	44000	177	76	4100	41000	133	81	5800	35000
	6.3	6.38	235	153(1)	6200	44000	157	74	4500	40000	117	76	6200	34000
	7.1	7.24	207	141(1)	6500	43000	138	72	5000	38000	104	70	6500	33000
	8	7.89	190	135(1)	6800	43000	127	70	5300	37000	95	68	6800	35000
	9	9.00	167	124(1)	7100	41000	111	83	7100	30000	83	62	7100	36000
	10	9.86	152	116(1)	7300	40000	101	78	7300	31000	76	58	7300	37000
	11.2	11.35	132	101(1)	7300	39000	88	67	7300	34000	66	50	7300	40000
	12.5	12.53	120	92(1)	7300	38000	80	61	7300	36000	60	46	7300	43000
	14	14.08	107	81(1)	7300	38000	71	54	7300	39000	53	41	7300	45000
	16	15.67	96	73(1)	7300	33000	64	49	7300	41000	48	37	7300	49000
	18	17.56	85	65(1)	7300	35000	57	44	7300	44000	43	33	7300	51000
	20	19.83	76	58(1)	7300	37000	50	39	7300	47000	38	29	7300	52500
	22.4	22.31	67	51(1)	7300	40000	45	34	7300	50000	34	26	7300	52500
	25	25.73	58	45	7300	43000	39	30	7300	52500	29	22	7300	52500
	28	28.13	53	41	7300	45000	36	27	7300	52500	27	20	7300	52500
	31.5	30.50	49	38	7300	48000	33	25	7300	52500	25	19	7300	52500
	35.5	36.01	42	32	7300	51000	28	21	7300	52500	21	16	7300	52500
	40	39.74	38	29	7300	52000	25	19	7300	52500	19	14	7300	52500
	45	44.23	34	24	6700	52500	23	17	7300	52500	17	13	7300	52500
	50													
	56													
	63													
SI...76C...	12.5													
	14													
	16													
	18													
	20	19.63	76	72(1)	9000	46000	51	48	9000	39000	38	36	9000	46000
	22.4	22.22	68	64(1)	9000	44000	45	42	9000	41000	34	32	9000	50000
	25	25.17	60	56(1)	9000	44000	40	37	9000	44000	30	28	9000	52000
	28	28.56	53	49(1)	9000	37000	35	33	9000	47000	26	25	9000	52500
	31.5	31.12	48	45(1)	9000	40000	32	30	9000	51000	24	23	9000	52500
	35.5	35.50	42	40(1)	9000	43000	28	27	9000	52500	21	20	9000	52500
	40	38.87	39	36	9000	46000	26	24	9000	52500	19	18	9000	52500
	45	44.76	34	32	9000	50000	22	21	9000	52500	17	16	9000	52500
	50	49.39	30	29	9000	52000	20	19	9000	52500	15	14	9000	52500
	56	55.50	27	25	9000	52500	18	17	9000	52500	14	13	9000	52500
	63	61.80	24	23	9000	52500	16	15	9000	52500	12	11	9000	52500
	71	69.24	22	20	9000	52500	14	14	9000	52500	11	10	9000	52500
	80	78.17	19	18	9000	52500	13	12	9000	52500	9.6	9.0	9000	52500
	90	87.97	17	16	9000	52500	11	11	9000	52500	8.5	8.0	9000	52500
	100	101.47	15	14	9000	52500	9.9	9.3	9000	52500	7.4	7.0	9000	52500
	112	110.90	14	13	9000	52500	9.0	8.5	9000	52500	6.8	6.4	9000	52500
	125	120.26	12	12	9000	52500	8.3	7.8	9000	52500	6.2	5.9	9000	52500
	140	141.97	11	10	9000	52500	7.0	6.6	9000	52500	5.3	5.0	9000	52500
	160	156.70	9.6	9.0	9000	52500	6.4	6.0	9000	52500	4.8	4.5	9000	52500
	180	174.37	8.6	8.1	9000	52500	5.7	5.4	9000	52500	4.3	4.1	9000	52500
	200													
	224													
SI...76C36B...	125													
	140													
	160													
	180													
	200	194.36	7.7	7.3	9000	52500	5.1	4.8	9000	52500	3.9	3.6	9000	52500
	224	225.64	6.6	6.3	9000	52500	4.4	4.2	9000	52500	3.3	3.1	9000	52500
	250	252.62	5.9	5.6	9000	52500	4.0	3.7	9000	52500	3.0	2.8	9000	52500
	280	289.25	5.2	4.9	9000	52500	3.5	3.3	9000	52500	2.6	2.4	9000	52500
	315	317.33	4.7	4.5	9000	52500	3.2	3.0	9000	52500	2.4	2.2	9000	52500
	355	366.72	4.1	3.9	9000	52500	2.7	2.6	9000	52500	2.0	1.9	9000	52500
	400	405.06	3.7	3.5	9000	52500	2.5	2.3	9000	52500	1.9	1.7	9000	52500
	450	449.79	3.3	3.1	9000	52500	2.2	2.1	9000	52500	1.7	1.6	9000	52500
	500	493.87	3.0	2.9	9000	52500	2.0	1.9	9000	52500	1.5	1.4	9000	52500
	560	554.35	2.7	2.6	9000	52500	1.8	1.7	9000	52500	1.4	1.3	9000	52500
	630	627.75	2.4	2.3	9000	52500	1.6	1.5	9000	52500	1.2	1.1	9000	52500
	710	689.06	2.2	2.1	9000	52500	1.5	1.4	9000	52500	1.1	1.0	9000	52500
	800	780.29	1.9	1.8	9000	52500	1.3	1.2	9000	52500	1.0	0.9	9000	52500
	900	931.71	1.6	1.5	9000	52500	1.1	1.0	9000	52500	0.8	0.8	9000	52500
	1000	984.77	1.5	1.4	9000	52500	1.0	1.0	9000	52500	0.8	0.7	9000	52500
	1120	1087.37	1.4	1.3	9000	52500	0.9	0.9	9000	52500	0.7	0.7	9000	52500
	1250	1270.01	1.2	1.1	9000	52500	0.8	0.7	9000	52500	0.6	0.6	9000	52500

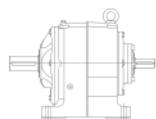
(1)Achtung! Maximale Thermische Leistung beachten • Attention! Please consult page 20 for thermal break even perfomance.
Attention! Vérifier svp la puissance thermique maximum.



4. SI4

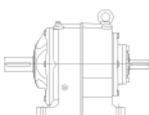
SI..86		Type SI..86... -I SI..86... -U	m [kg] 445 515						15000 Nm					
Type	...	n _{syn} =	1500 min ⁻¹				1000 1/min				750 1/min			
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N
SI..86B...	2.8													
	3.15													
	3.55													
	4													
	4.5													
	5													
	5.6	5.62	267	169(1)	6050	82000								
	6.3	6.23	241	162(1)	6400	82000								
	7.1	6.92	217	152(1)	6700	82000								
	8	7.70	195	143(1)	7000	82000								
	9	8.60	174	134(1)	7350	82000								
	10	9.65	155	125(1)	7700	82000								
	11.2	10.88	138	117(1)	8100	82000								
	12.5	12.34	122	109(1)	8500	82000								
	14	14.11	106	97(1)	8700	82000								
	16	15.14	99	92(1)	8900	82000								
	18													
	20													
	22.4													
	25													
	28													
	31.5													
	35.5													
	40													
	45													
	50													
	56													
	63													
SI..86C...	12.5	12.47	120	170(1)	13500	82000	80	113(1)	13500	82000	60	85	13500	77000
	14	14.11	106	161(1)	14500	82000	71	108(1)	14500	82000	53	81	14500	78000
	16	15.99	94	147(1)	15000	82000	63	98(1)	15000	82000	47	74	15000	82000
	18	18.14	83	130(1)	15000	82000	55	87(1)	15000	72000	41	65	15000	82000
	20	19.77	76	119(1)	15000	82000	51	79(1)	15000	79000	38	60	15000	82000
	22.4	22.55	67	104(1)	15000	82000	44	70(1)	15000	82000	33	52	15000	82000
	25	24.69	61	95(1)	15000	82000	41	64(1)	15000	82000	30	48	15000	82000
	28	28.43	53	83(1)	15000	76000	35	55(1)	15000	82000	26	41	15000	82000
	31.5	31.37	48	75(1)	15000	81000	32	50	15000	82000	24	38	15000	82000
	35.5	35.25	43	67(1)	15000	82000	28	45	15000	82000	21	33	15000	82000
	40	39.25	38	60(1)	15000	82000	25	40	15000	82000	19	30	15000	82000
	45	43.98	34	54(1)	15000	82000	23	36	15000	82000	17	27	15000	82000
	50	49.65	30	47	15000	82000	20	32	15000	82000	15	24	15000	82000
	56	55.87	27	42	15000	82000	18	28	15000	82000	13	21	15000	82000
	63	64.45	23	37	15000	82000	16	24	15000	82000	12	18	15000	82000
	71	70.44	21	33	15000	82000	14	22	15000	82000	11	17	15000	82000
	80	76.38	20	31	15000	82000	13	21	15000	82000	9.8	15	15000	82000
	90	90.17	17	26	15000	82000	11	17	15000	82000	8.3	13	15000	82000
	100	99.53	15	24	15000	82000	10	16	15000	82000	7.5	12	15000	82000
	112	110.75	14	21	15000	82000	9.0	14	15000	82000	6.8	11	15000	82000
	125													
	140													
	160													
	180													
	200													
	224													
SI..86C36B...	125	123.46	12	18	14000	82000	8.1	12	14000	82000	6.1	8.9	14000	82000
	140	135.18	11	17	15000	82000	7.4	12	15000	82000	5.5	8.7	15000	82000
	160	156.93	9.6	15	15000	82000	6.4	10	15000	82000	4.8	7.5	15000	82000
	180	175.69	8.5	13	15000	82000	5.7	8.9	15000	82000	4.3	6.7	15000	82000
	200	199.39	7.5	12	15000	82000	5.0	7.9	15000	82000	3.8	5.9	15000	82000
	224	223.23	6.7	11	15000	82000	4.5	7.0	15000	82000	3.4	5.3	15000	82000
	250	255.60	5.9	9.2	15000	82000	3.9	6.1	15000	82000	2.9	4.6	15000	82000
	280	280.42	5.3	8.4	15000	82000	3.6	5.6	15000	82000	2.7	4.2	15000	82000
	315	324.05	4.6	7.3	15000	82000	3.1	4.8	15000	82000	2.3	3.6	15000	82000
	355	357.93	4.2	6.6	15000	82000	2.8	4.4	15000	82000	2.1	3.3	15000	82000
	400	397.46	3.8	5.9	15000	82000	2.5	4.0	15000	82000	1.9	3.0	15000	82000
	450	446.62	3.4	5.3	15000	82000	2.2	3.5	15000	82000	1.7	2.6	15000	82000
	500	497.84	3.0	4.7	15000	82000	2.0	3.2	15000	82000	1.5	2.4	15000	82000
	560	559.42	2.7	4.2	15000	82000	1.8	2.8	15000	82000	1.3	2.1	15000	82000
	630	608.89	2.5	3.9	15000	82000	1.6	2.6	15000	82000	1.2	1.9	15000	82000
	710	689.51	2.2	3.4	15000	82000	1.5	2.3	15000	82000	1.1	1.7	15000	82000
	800	774.80	1.9	3.0	15000	82000	1.3	2.0	15000	82000	1.0	1.5	15000	82000
	900	870.20	1.7	2.7	15000	82000	1.1	1.8	15000	82000	0.9	1.4	15000	82000
	1000	977.84	1.5	2.4	15000	82000	1.0	1.6	15000	82000	0.8	1.2	15000	82000
	1120	1149.71	1.3	2.0	15000	82000	0.9	1.4	15000	82000	0.7	1.0	15000	82000
	1250	1280.21	1.2	1.8	15000	82000	0.8	1.2	15000	82000	0.6	0.9	15000	82000

(1)Achtung! Maximale Thermische Leistung beachten • Attention! Please consult page 20 for thermal break even performance.
Attention! Vérifier svp la puissance thermique maximum.



SI..96			Type SI..96... -I SI..96... -U		m [kg] 655 725		 M136		25000 Nm					
Type	...	n _{syn} =	1500 min ⁻¹				1000 1/min				750 1/min			
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _r N
SI...96B...	2.8													
	3.15													
	3.55													
	4													
	4.5													
	5													
	5.6													
	6.3													
	7.1													
	8													
	9													
	10													
	11.2													
	12.5													
	14													
	16													
	18													
	20													
	22.4													
	25													
	28													
	31.5													
	35.5													
	40													
	45													
	50													
	56													
	63													
SI...96C...	12.5													
	14													
	16													
	18													
	20	19.71	76	171(1)	21500	105000	51	114(1)	21500	105000	38	86	21500	105000
	22.4	22.31	67	162(1)	23000	105000	45	108(1)	23500	105000	34	81	23000	105000
	25	25.27	59	149(1)	24000	105000	40	99(1)	24000	105000	30	75	24000	105000
	28	28.68	52	137(1)	25000	105000	35	91(1)	25000	105000	26	68	25000	105000
	31.5	31.25	48	126(1)	25000	105000	32	84(1)	25000	105000	24	63	25000	105000
	35.5	35.65	42	110(1)	25000	105000	28	73(1)	25000	105000	21	55	25000	105000
	40	39.03	38	101(1)	25000	105000	26	67(1)	25000	105000	19	50	25000	105000
	45	44.95	33	87(1)	25000	105000	22	58	25000	105000	17	44	25000	105000
	50	49.59	30	79(1)	25000	105000	20	53	25000	105000	15	40	25000	105000
	56	55.73	27	70	25000	105000	18	47	25000	105000	13	35	25000	105000
	63	62.05	24	63	25000	105000	16	42	25000	105000	12	32	25000	105000
	71	69.52	22	56	25000	105000	14	38	25000	105000	11	28	25000	105000
	80	78.49	19	50	25000	105000	13	33	25000	105000	9.6	25	25000	105000
	90	88.33	17	44	25000	105000	11	30	25000	105000	8.5	22	25000	105000
	100	101.88	15	39	25000	105000	9.8	26	25000	105000	7.4	19	25000	105000
	112	111.36	13	35	25000	105000	9.0	24	25000	105000	6.7	18	25000	105000
	125	120.75	12	33	25000	105000	8.3	22	25000	105000	6.2	16	25000	105000
	140	142.55	11	28	25000	105000	7.0	18	25000	105000	5.3	14	25000	105000
	160	157.34	9.5	25	25000	105000	6.4	17	25000	105000	4.8	12	25000	105000
	180	175.09	8.6	22	25000	105000	5.7	15	25000	105000	4.3	11	25000	105000
SI...96C36B...	200													
	224													
	125													
	140													
	160													
	180													
	200	195.18	7.7	18	22000	105000	5.1	12	22000	105000	3.8	8.9	22000	105000
	224	213.69	7.0	18	24000	105000	4.7	12	24000	105000	3.5	8.8	24000	105000
	250	246.10	6.1	16	25000	105000	4.1	11	25000	105000	3.0	8.0	25000	105000
	280	285.70	5.3	14	25000	105000	3.5	9.2	25000	105000	2.6	6.9	25000	105000
	315	319.86	4.7	12	25000	105000	3.1	8.2	25000	105000	2.3	6.1	25000	105000
	355	366.25	4.1	11	25000	105000	2.7	7.1	25000	105000	2.0	5.4	25000	105000
	400	401.81	3.7	9.8	25000	105000	2.5	6.5	25000	105000	1.9	4.9	25000	105000
	450	464.33	3.2	8.5	25000	105000	2.2	5.6	25000	105000	1.6	4.2	25000	105000
	500	512.88	2.9	7.7	25000	105000	1.9	5.1	25000	105000	1.5	3.8	25000	105000
	560	569.52	2.6	6.9	25000	105000	1.8	4.6	25000	105000	1.3	3.4	25000	105000
	630	609.97	2.5	6.4	25000	105000	1.6	4.3	25000	105000	1.2	3.2	25000	105000
	710	713.36	2.1	5.5	25000	105000	1.4	3.7	25000	105000	1.1	2.8	25000	105000
	800	786.99	1.9	5.0	25000	105000	1.3	3.3	25000	105000	1.0	2.5	25000	105000
	900	872.48	1.7	4.5	25000	105000	1.1	3.0	25000	105000	0.9	2.3	25000	105000
	1000	988.00	1.5	4.0	25000	105000	1.0	2.6	25000	105000	0.8	2.0	25000	105000
	1120	1089.99	1.4	3.6	25000	105000	0.9	2.4	25000	105000	0.7	1.8	25000	105000
	1250	1246.91	1.2	3.1	25000	105000	0.8	2.1	25000	105000	0.6	1.6	25000	105000

(1)Achtung! Maximale Thermische Leistung beachten • Attention! Please consult page 20 for thermal break even perfomance.
Attention! Vérifier svp la puissance thermique maximum.



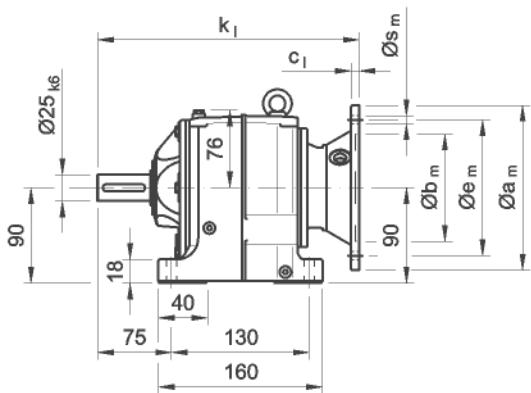
4. SI4

4.7 Maßbilder Getriebemotoren

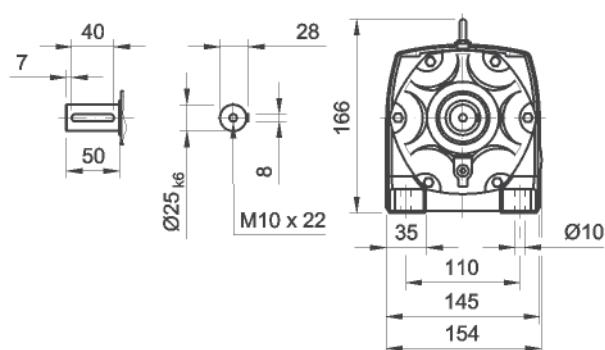
Dimensional drawings of gear units

Schémas dimensionnels des unités de vitesses

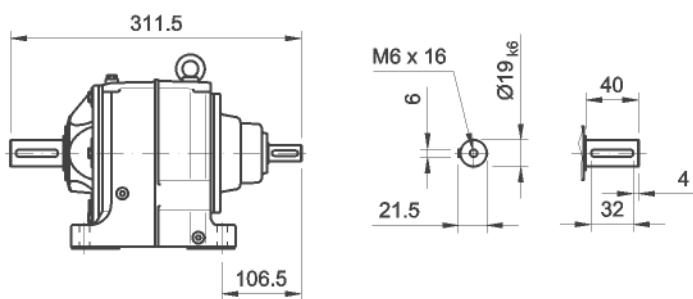
SIFN16B/C-U
63 - 112



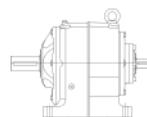
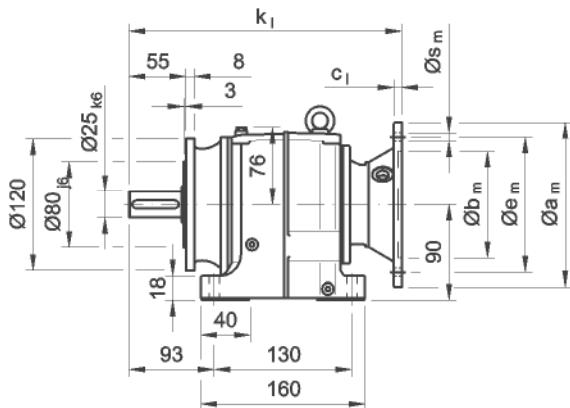
SIFN16..



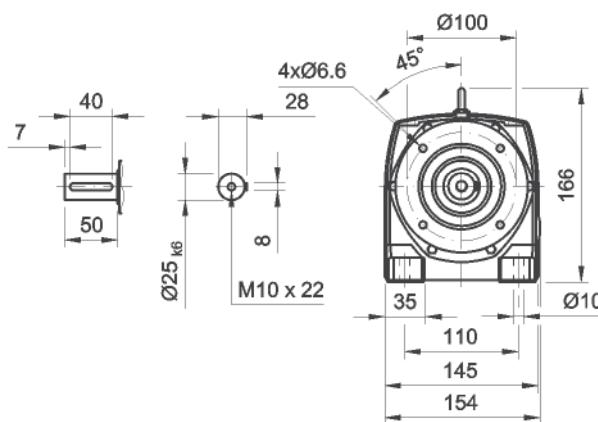
SIFN16B/C-I



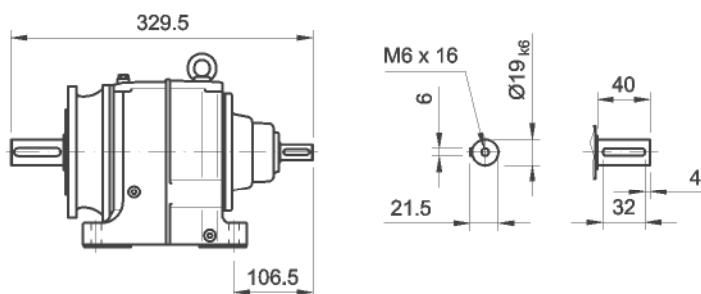
	63	71	80	90S	90L	100	112												
k1	299	299	299	299	299	299	299												
c1	8	8	10	10	10	12	12												
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7												
Øem	115	130	165	165	165	215	215												
Øam	140	160	200	200	200	250	250												
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5												
kc																			

SIFR16B/C-U
63 - 112

SIFR16..



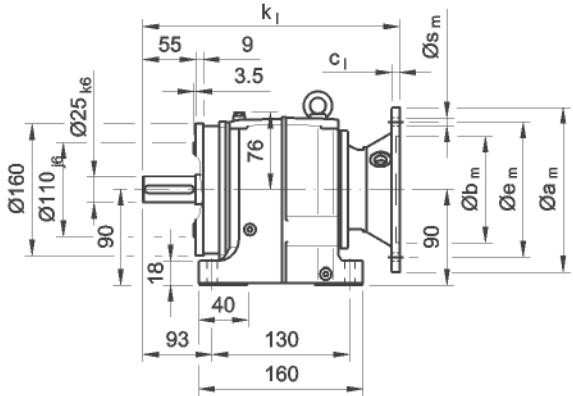
SIFR16B/C-I



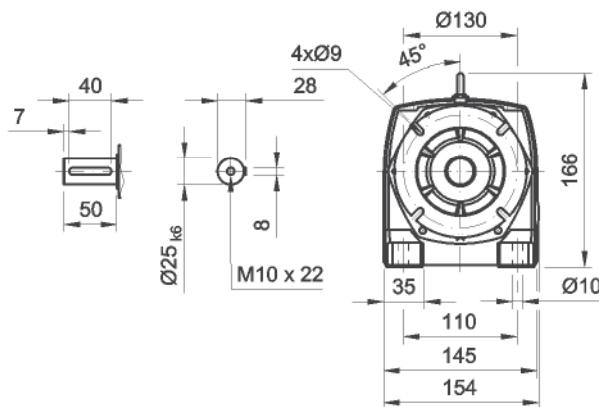
	63	71	80	90S	90L	100	112										
k₁	317	317	317	317	317	317	317										
c₁	8	8	10	10	10	12	12										
Ø_{bm}	95H7	110H7	130H7	130H7	130H7	180H7	180H7										
Ø_{em}	115	130	165	165	165	215	215										
Ø_{am}	140	160	200	200	200	250	250										
Ø_{sm}	4M8x16	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5										
k_c																	

4. SI4

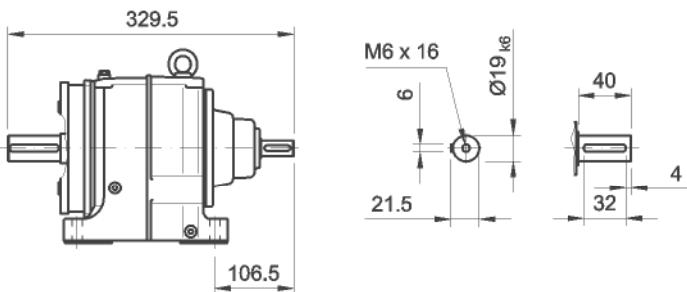
SIFE16B/C-U
63 - 112

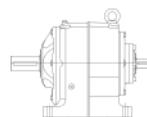


SIFE16..

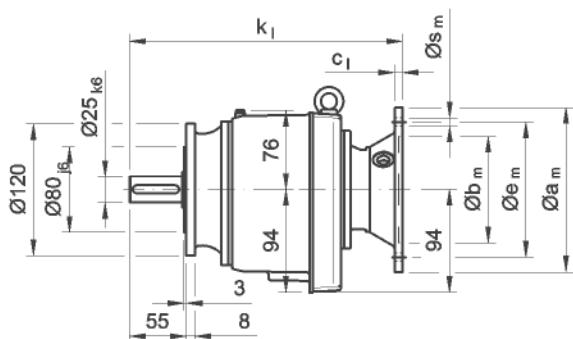


SIFE16B/C-I

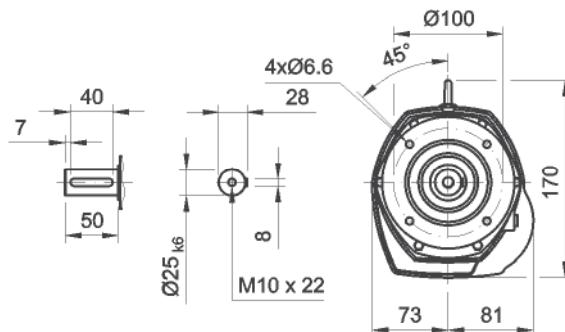




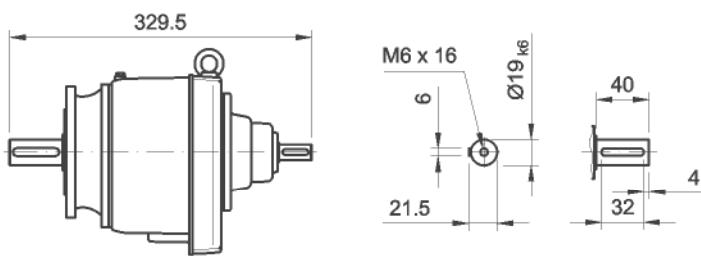
SICR16B/C-U
63 - 112



SICR16..



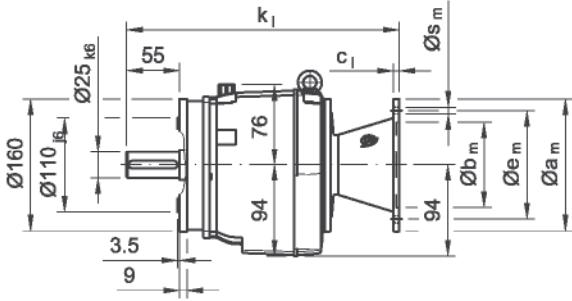
SICR16B/C-I



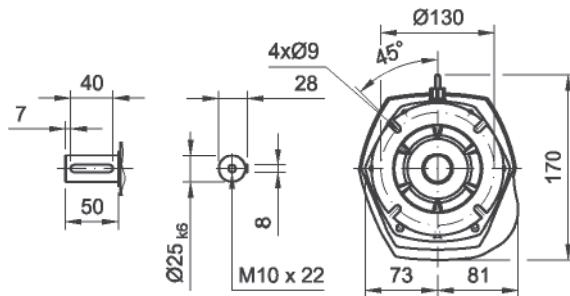
	63	71	80	90S	90L	100	112												
k1	317	317	317	317	317	317	317												
c1	8	8	10	10	10	12	12												
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7												
Øem	115	130	165	165	165	215	215												
Øam	140	160	200	200	200	250	250												
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5												
kc																			

4. SI4

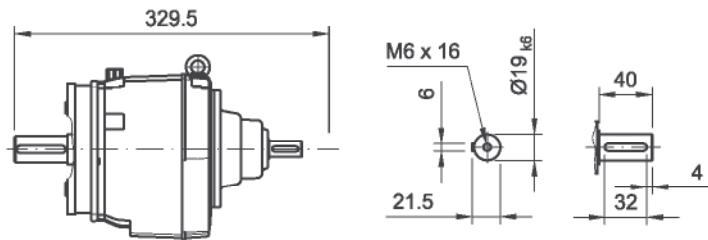
SICE16B/C-U
63 - 112

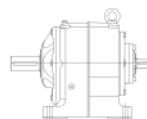


SICE16..

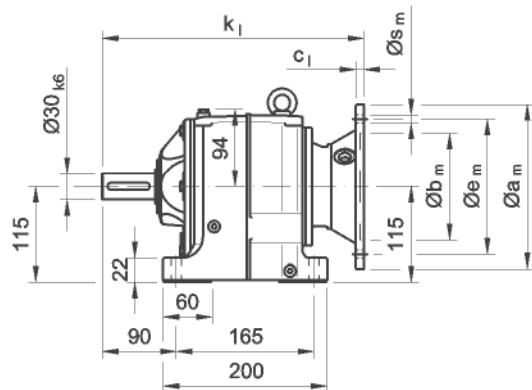


SICE16B/C-I

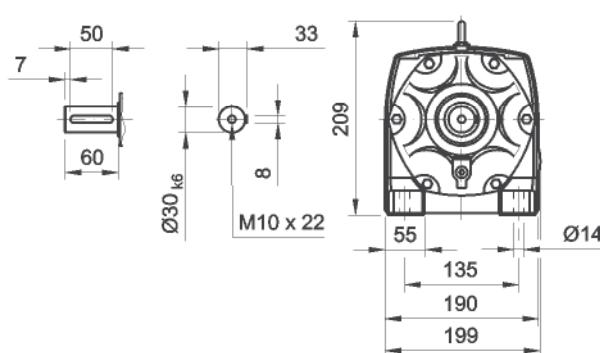




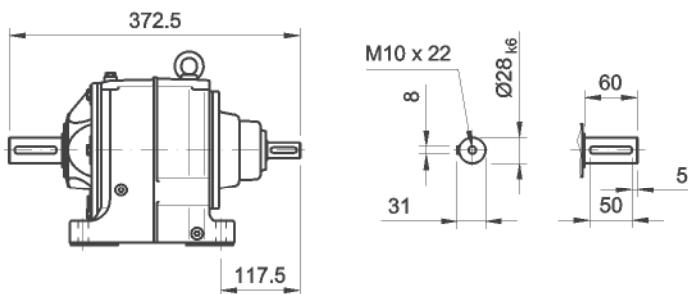
SIFN26B/C-U
71 - 132



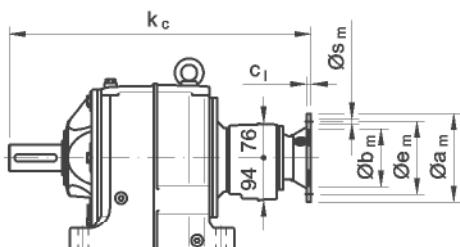
SIFN26..



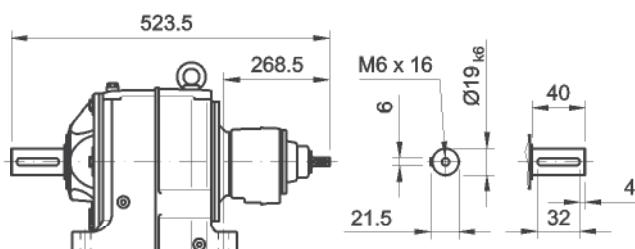
SIFN26B/C-I



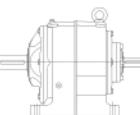
SIFN26C16B/C-U
63 - 112



SIFN26C16B/C-I

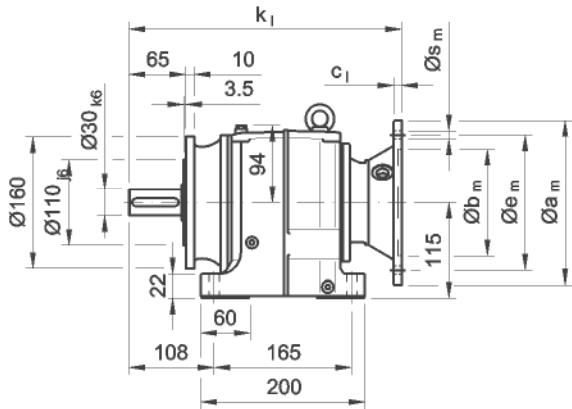


	63	71	80	90S	90L	100	112	132S	132M									
k _l			340	340	340	340	340	403	403									
c _l	8	8	10	10	10	12	12	13	13									
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7									
Øem	115	130	165	165	165	215	215	265	265									
Øam	140	160	200	200	200	250	250	300	300									
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5									
k _c	511	511	511	511	511	511	511											

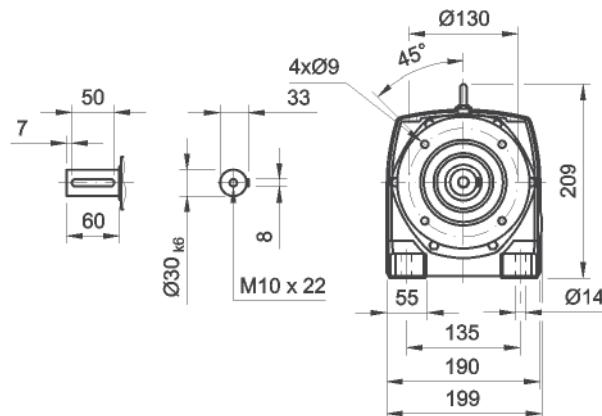


4. SI4

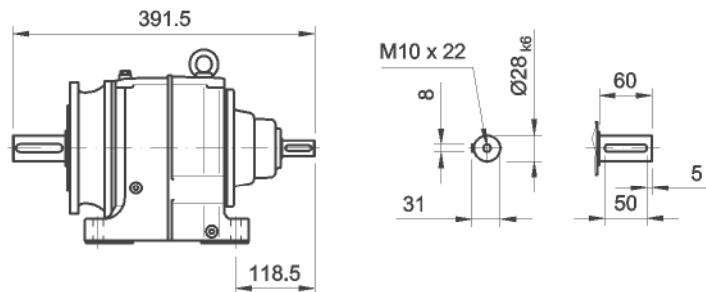
SIFR26B/C-U
71-132



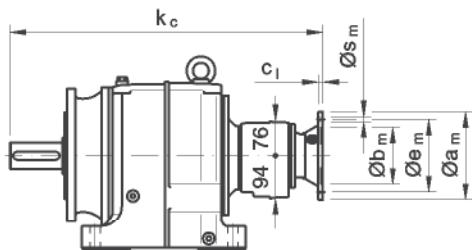
SIFR26..



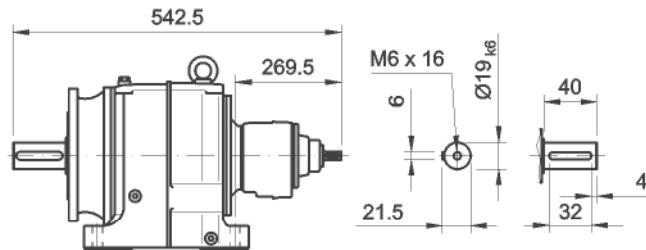
SIFR26B/C-I

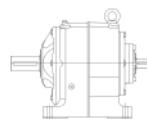


SIFR26C16B/C-U
63 - 112

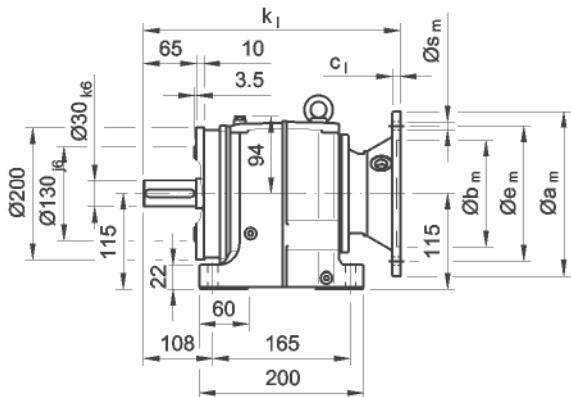


SIFR26C16B/C-I

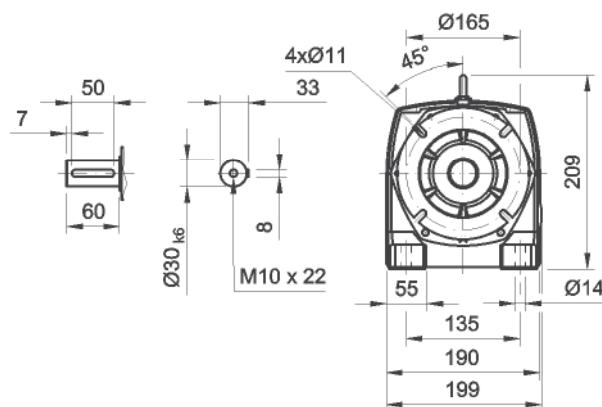




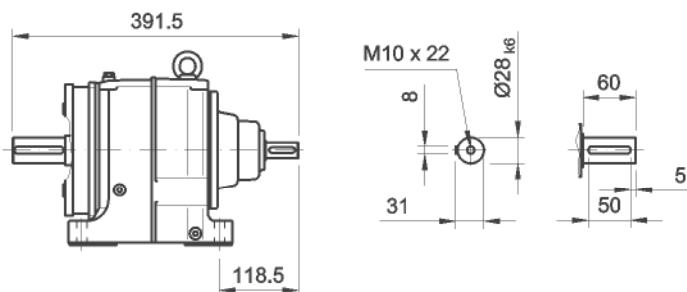
SIFE26B/C-U
71 - 132



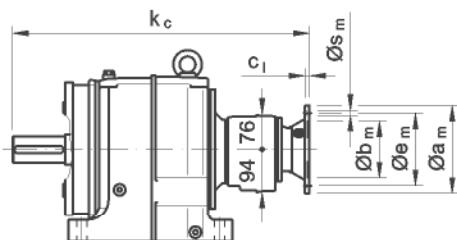
SIFE26..



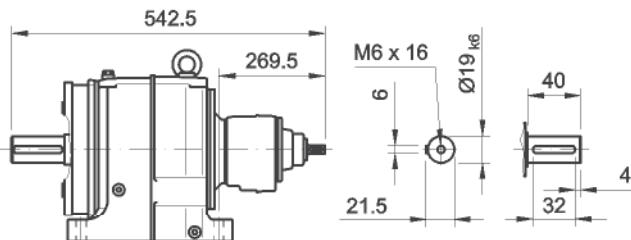
SIFE26B/C-I



SIFE26C16B/C-U
63 - 112

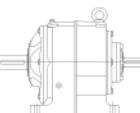


SIFE26C16B/C-I

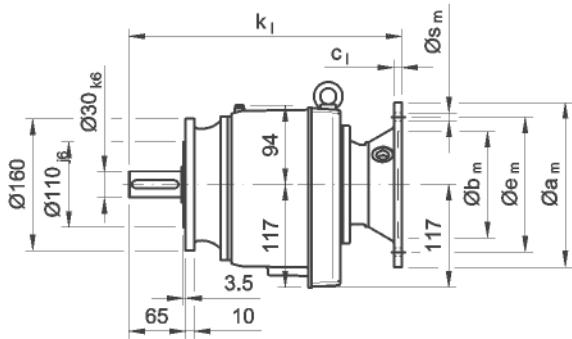


	63	71	80	90S	90L	100	112	132S	132M									
kI		359	359	359	359	359	359	422	422									
cI	8	8	10	10	10	12	12	13	13									
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7									
Øem	115	130	165	165	165	215	215	265	265									
Øam	140	160	200	200	200	250	250	300	300									
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5									
kC	530	530	530	530	530	530	530											

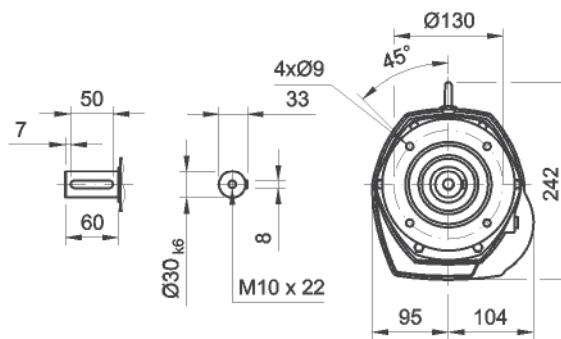
4. SI4



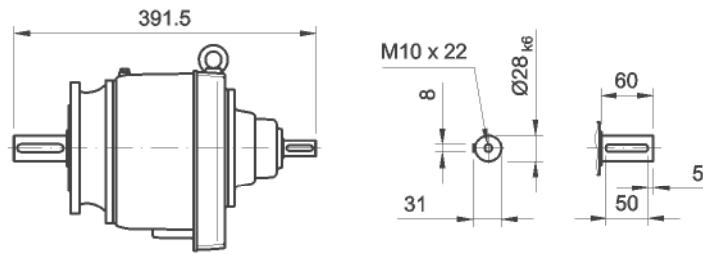
SICR26B/C-U
71 - 132



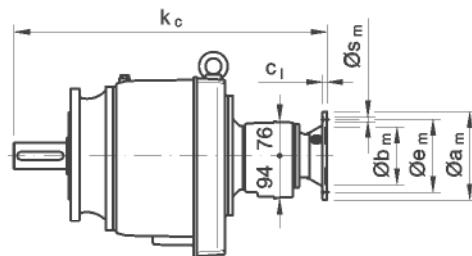
SICR26..



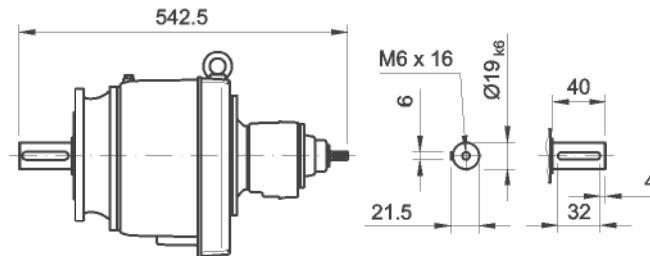
SICR26B/C-I

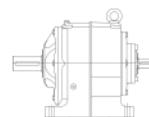


SICR26C16B/C-U
63 - 112

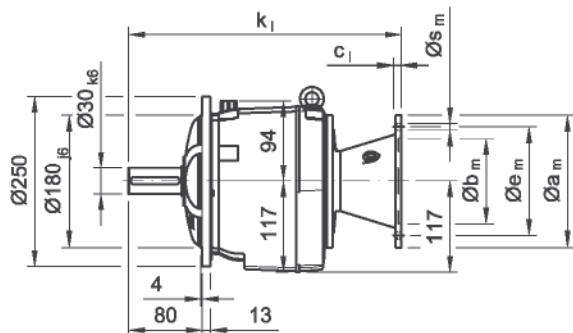


SICR26C16B/C-I

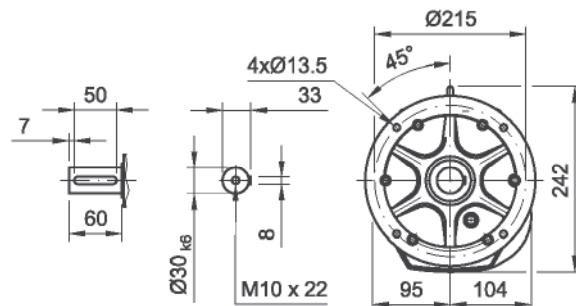




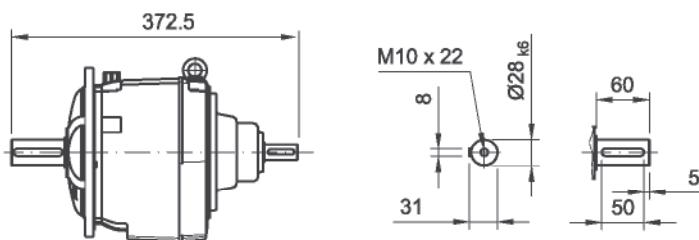
SICF26B/C-U
71 - 132



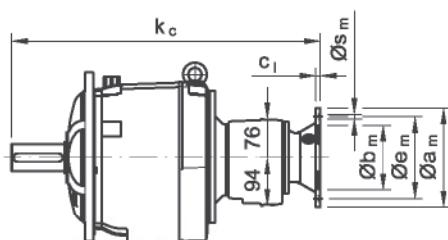
SICF26..



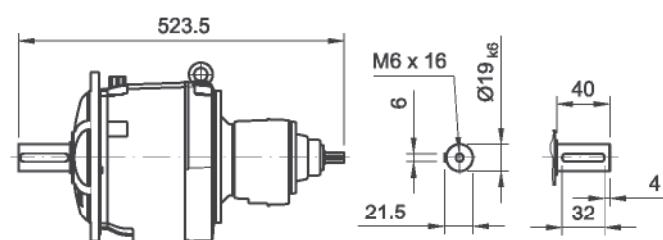
SICF26B/C-I



SICF26C16B/C-U
63 - 112

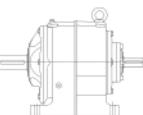


SICF26C16B/C-I

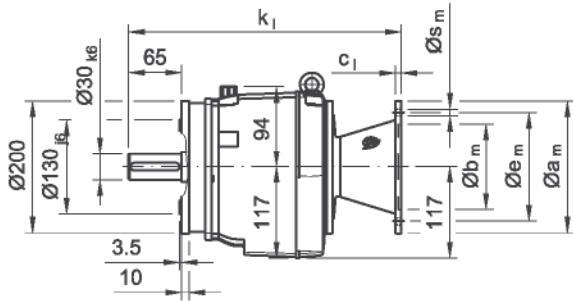


	63	71	80	90S	90L	100	112	132S	132M										
k_l		340	340	340	340	340	340	403	403										
c_l	8	8	10	10	10	12	12	13	13										
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7										
Øem	115	130	165	165	165	215	215	265	265										
Øam	140	160	200	200	200	250	250	300	300										
Øsm	4x M8x16	4x Ø9	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5										
k_c	511	511	511	511	511	511	511												

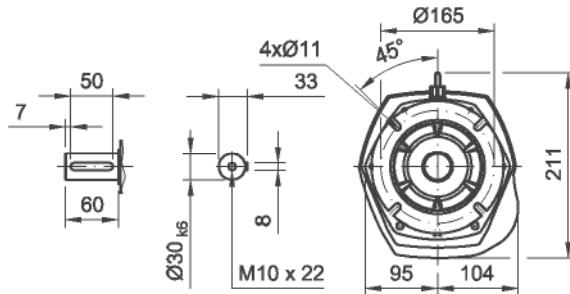
4. SI4



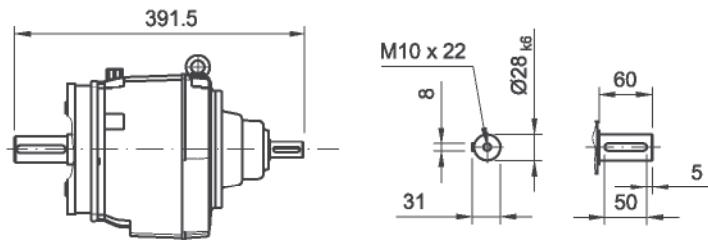
SICE26B/C-U
71 - 132



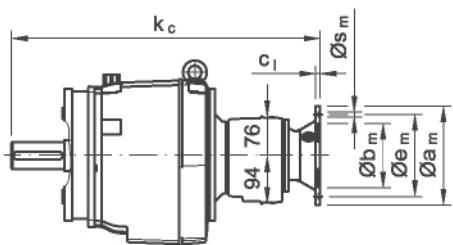
SICE26..



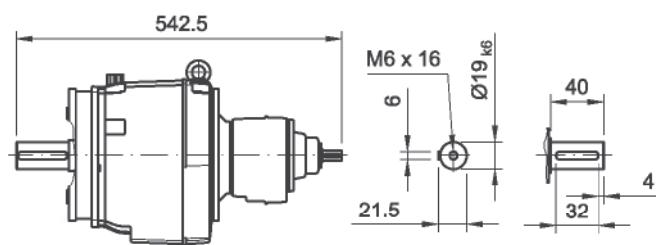
SICE26B/C-I



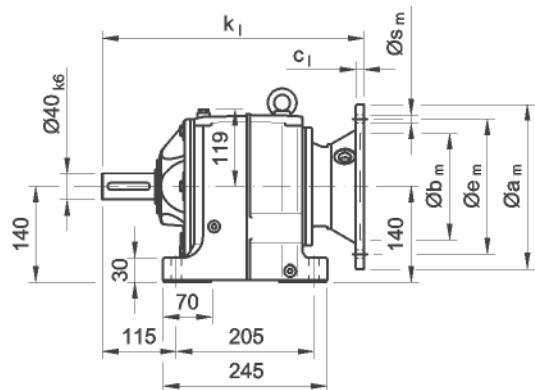
SICE26C16B/C-U
63 - 112



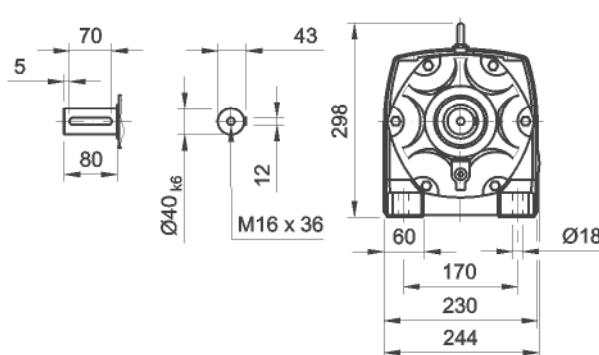
SICE26C16B/C-I



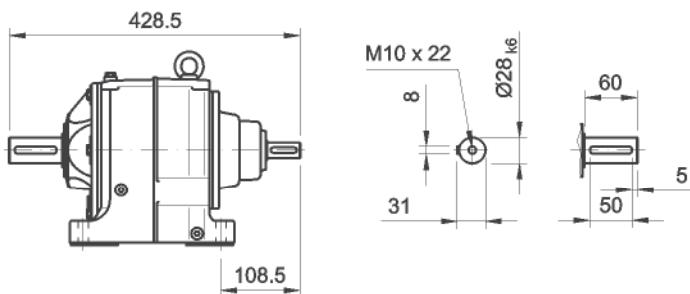
SIFN36B/C-U
71-132



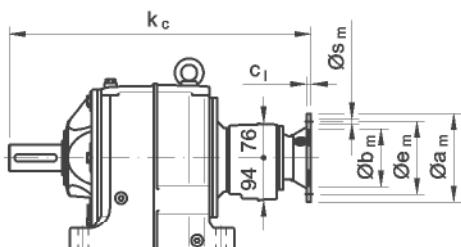
SIFN36..



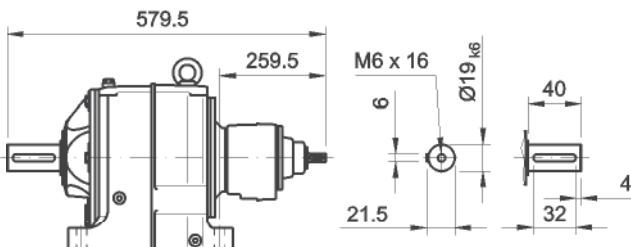
SIFN36B/C-I



SIFN36C16B/C-U
63 - 112

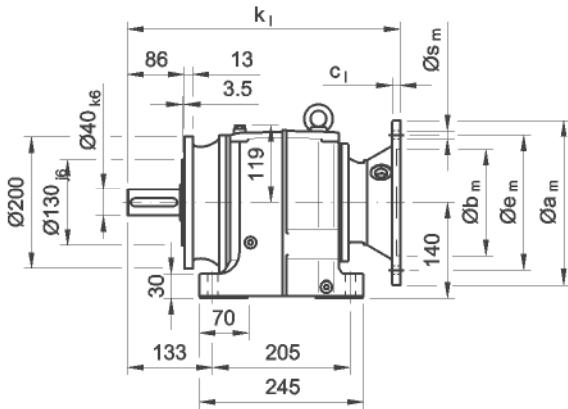


SIFN36C16B/C-I

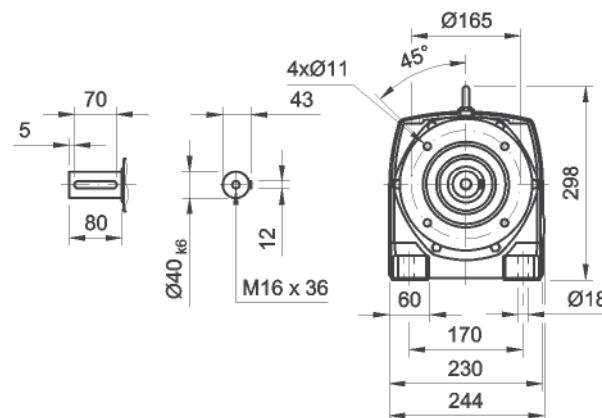


4. SI4

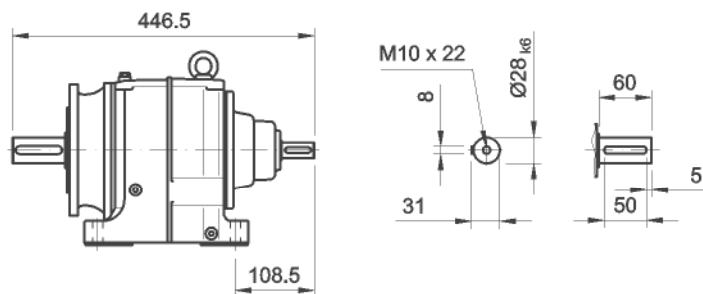
SIFR36B/C-U
71 - 132



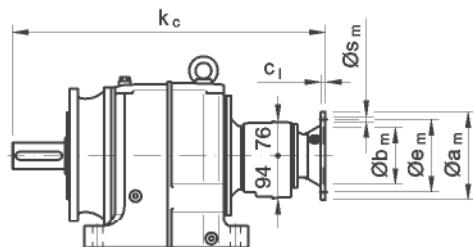
SIFR36..



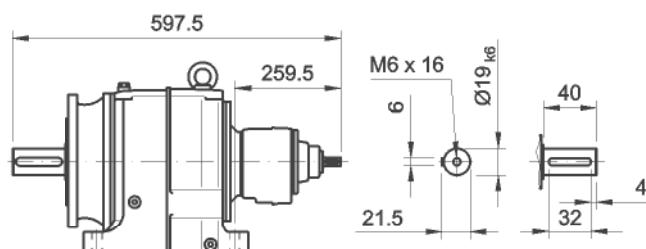
SIFR36B/C-I



SIFR36C16B/C-U
63 - 112

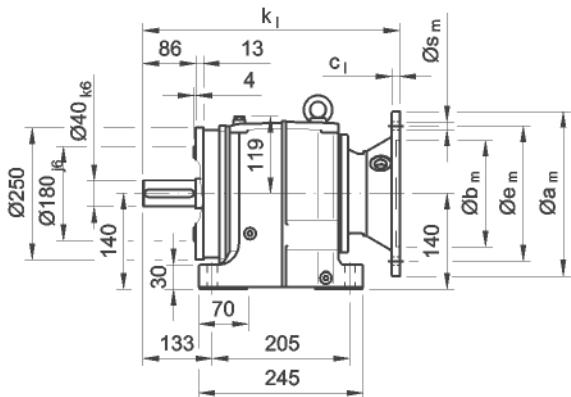


SIFR36C16B/C-I

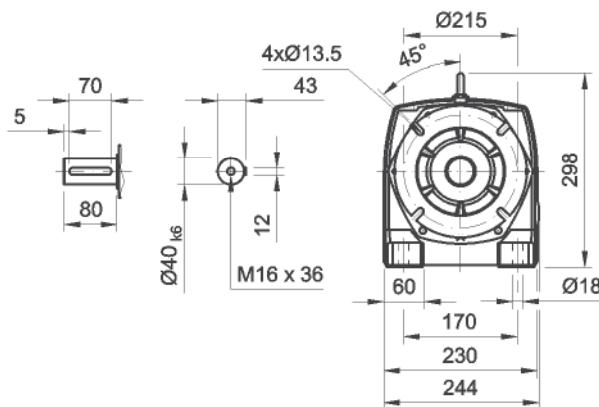


	63	71	80	90S	90L	100	112	132S	132M									
k1		414	414	414	414	414	414	477	477									
c1	8	8	10	10	10	12	12	13	13									
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7									
Øem	115	130	165	165	165	215	215	265	265									
Øam	140	160	200	200	200	250	250	300	300									
Øsm	4xM8x16	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5									
kc	585	585	585	585	585	585	585											

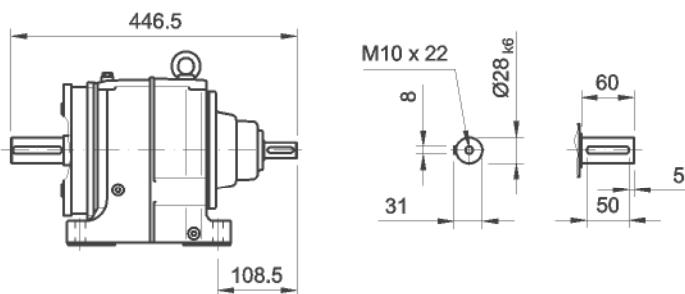
SIFE36B/C-U
71 - 132



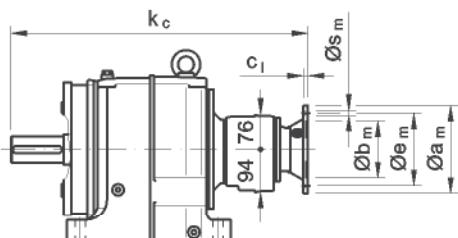
SIFE36..



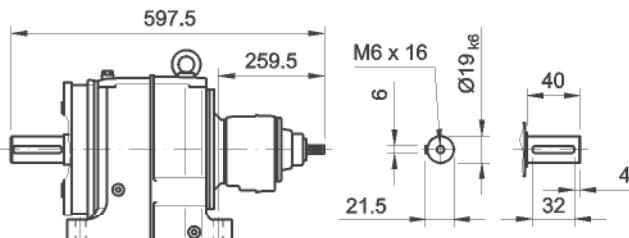
SIFE36B/C-I



SIFE36C16B/C-U
63 - 112

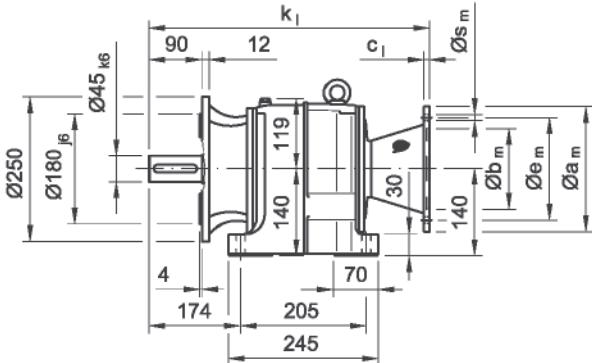


SIFE36C16B/C-I

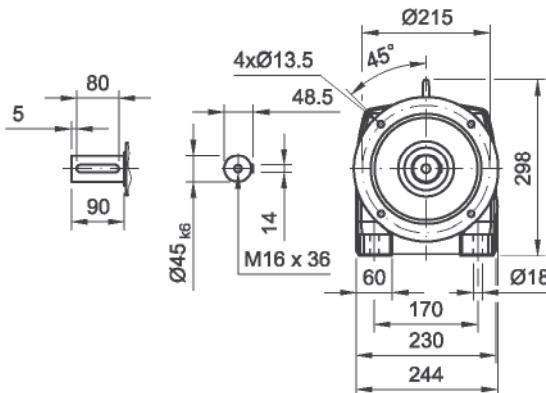


4. SI4

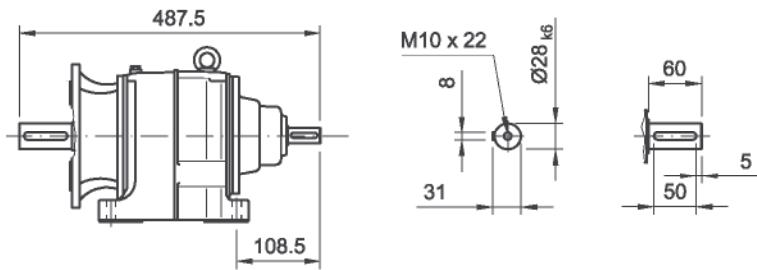
SIFM36B/U
71-132



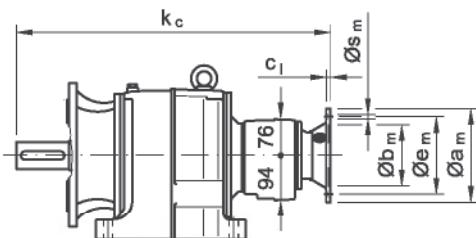
SIFM36..



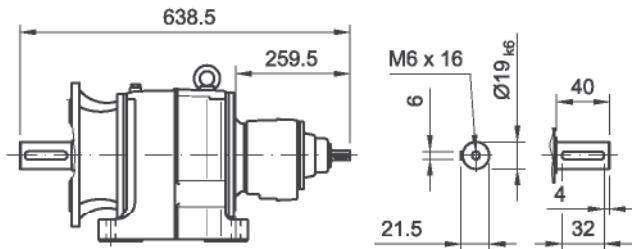
SIFM36B/I

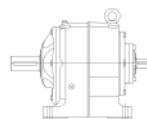
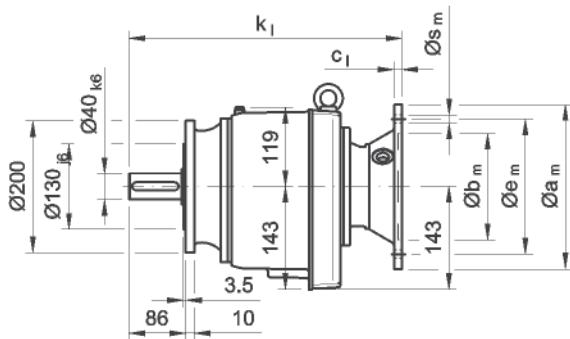


SIFM36B16B/C-U
63-112

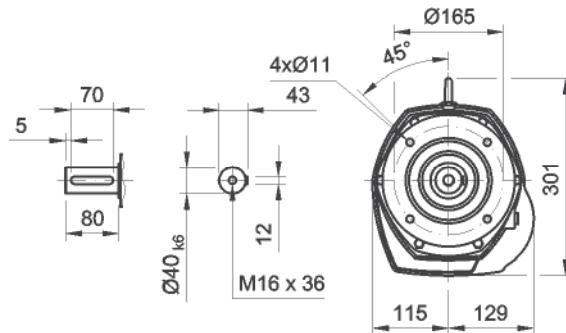


SIFM36B16B/C-I
71-132

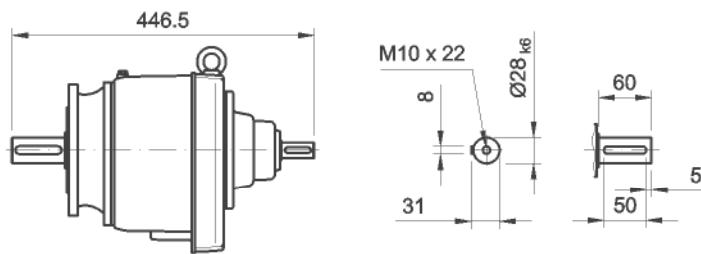
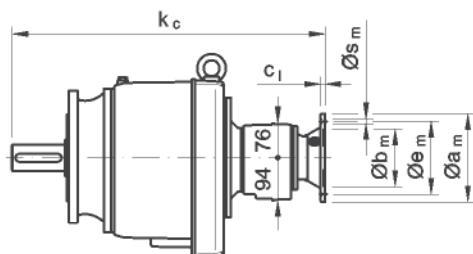


SICR36B/C-U
71 - 132

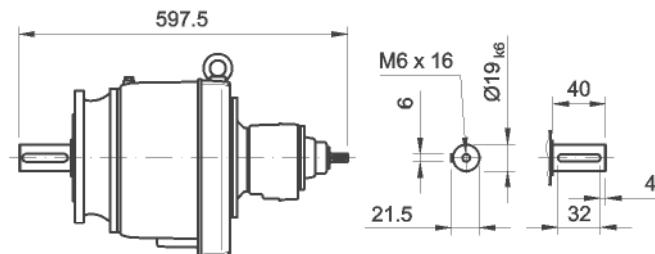
SICR36..



SICR36B/C-I

SICR36C16B/C-U
63 - 112

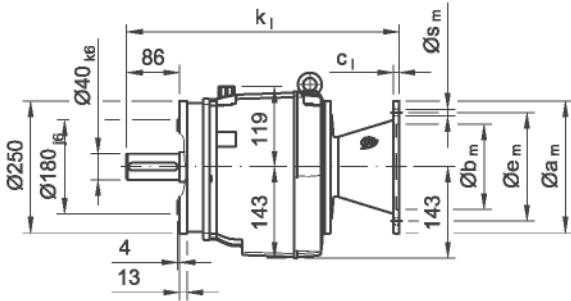
SICR36C16B/C-I



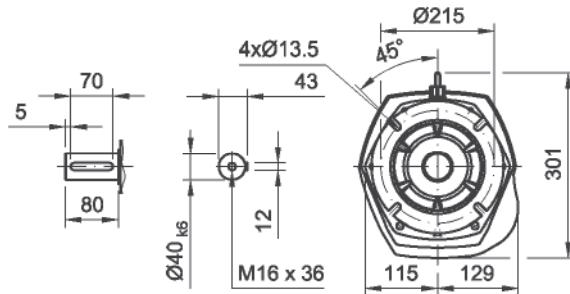
	63	71	80	90S	90L	100	112	132S	132M										
k1		414	414	414	414	414	414	477	477										
c1	8	8	10	10	10	12	12	13	13										
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7										
Øem	115	130	165	165	165	215	215	265	265										
Øam	140	160	200	200	200	250	250	300	300										
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5										
k2	585	585	585	585	585	585	585												

4. SI4

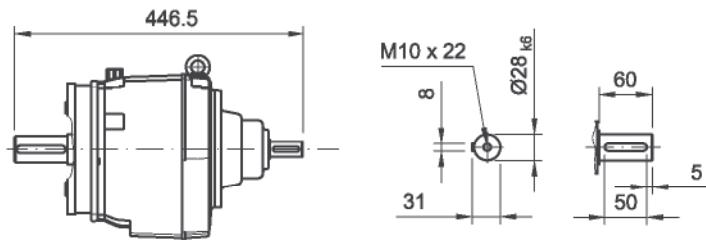
SICE36B/C-U
71 - 132



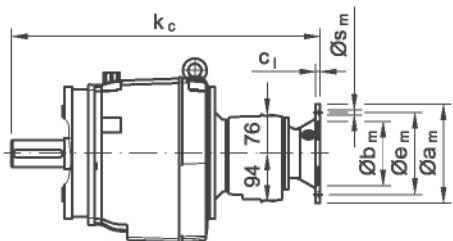
SICE36..



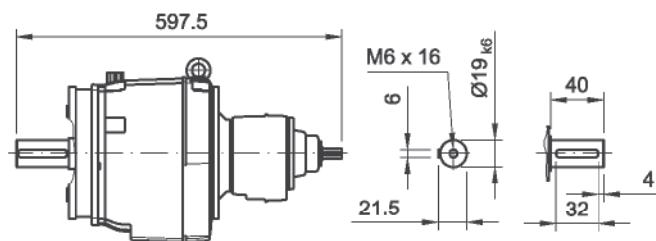
SICE36B/C-I

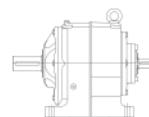


SICE36C16B/C-U
63 - 112

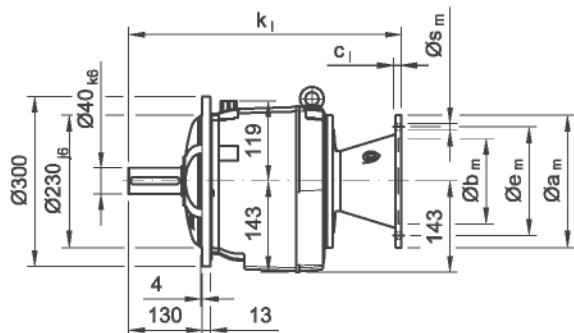


SICE36C16B/C-I

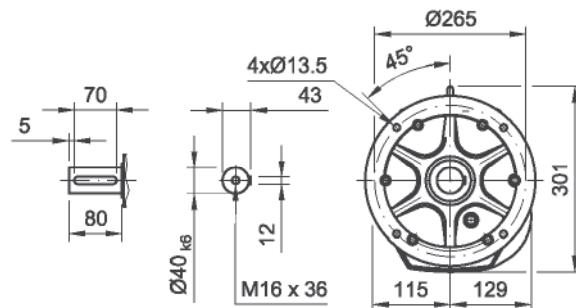




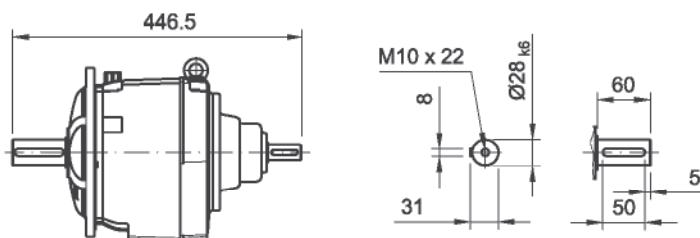
SICF36B/C-U
71 - 132



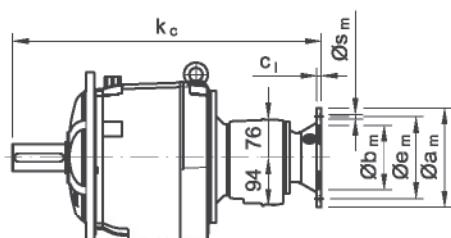
SICF36..



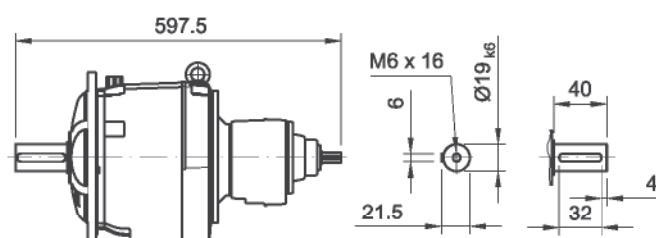
SICF36B/C-I



SICF36C16B/C-U
63 - 112



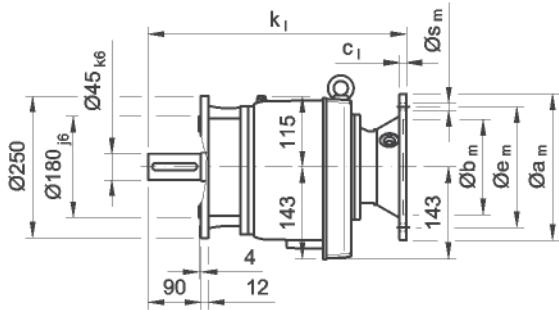
SICF36C16B/C-I



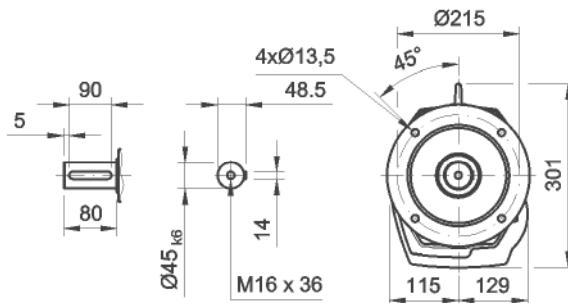
	63	71	80	90S	90L	100	112	132S	132M										
k1			414	414	414	414	414	477	477										
c1	8	8	10	10	10	12	12	13	13										
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7										
Øem	115	130	165	165	165	215	215	265	265										
Øam	140	160	200	200	200	250	250	300	300										
Øsm	4xM8x16	4xØ9	4xØ11	4xØ11	4xØ11	4xØ13.5	4xØ13.5	4xØ13.5	4xØ13.5										
k2	585	585	585	585	585	585	585												

4. SI4

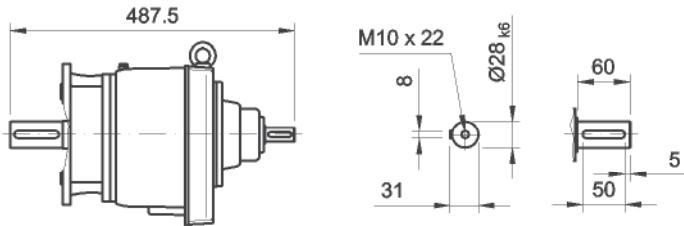
SICM36B/U
71-132



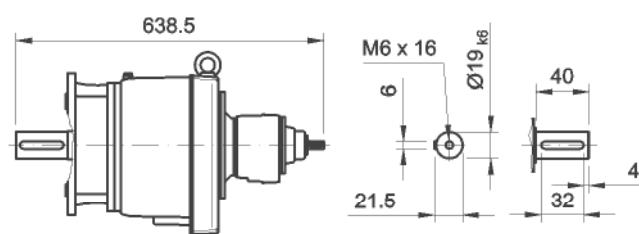
SICM36..

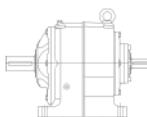


SICM36B/I

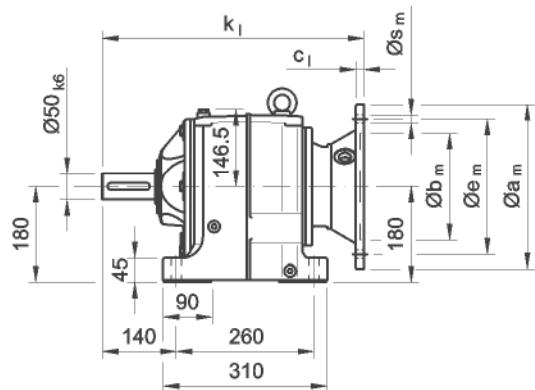


SICM36B16B/C-U
71-132

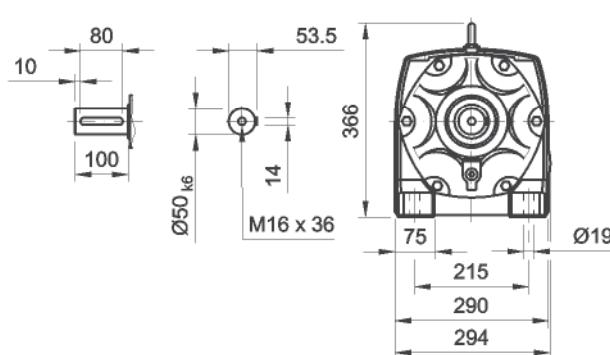




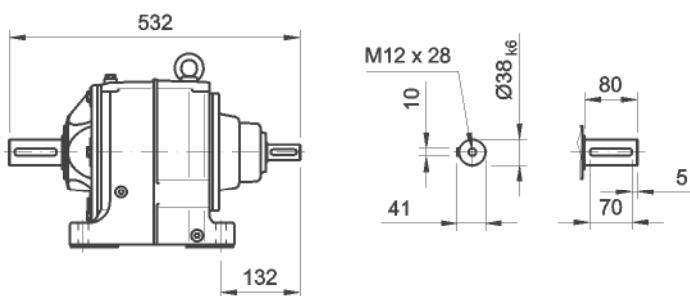
SIFN46B/C-U
80 - 180



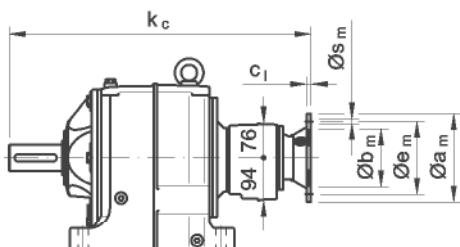
SIFN46..



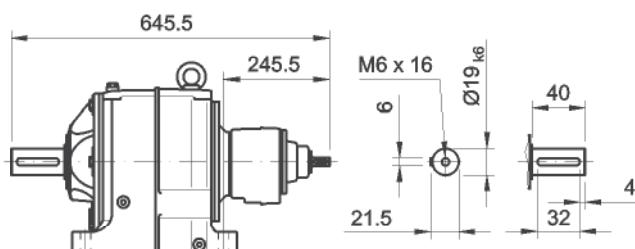
SIFN46B/C-I



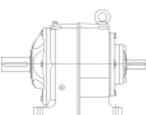
SIFN46C16B/C-U
63 - 112



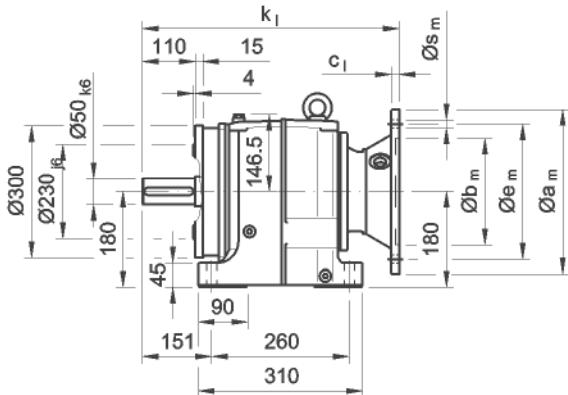
SIFN46C16B/C-I



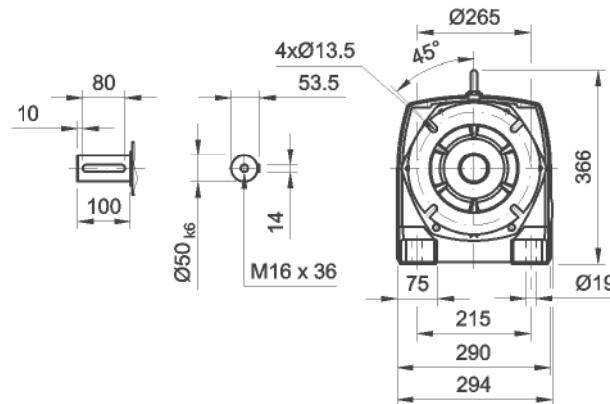
	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k _l				463	463	463	463	526	526	591	591	591	591				
c _l	8	8	10	10	10	12	12	13	13	15	15	15	15				
Øb _m	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Øe _m	115	130	165	165	165	215	215	265	265	300	300	300	300				
Øa _m	140	160	200	200	200	250	250	300	300	350	350	350	350				
Øs _m	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5				
k _c	633	633	633	633	633	633	633										



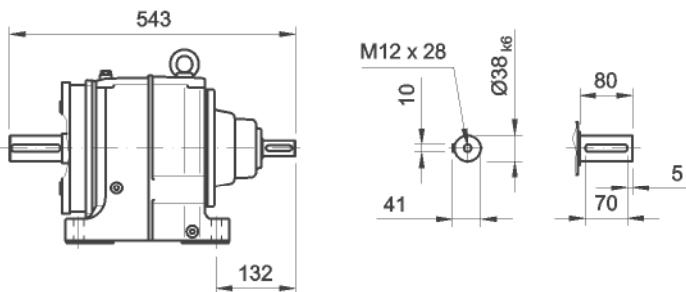
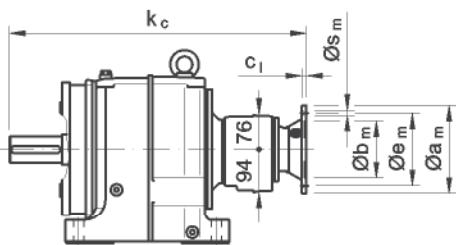
4. SI4

SIFE46B/C-U
80 - 180

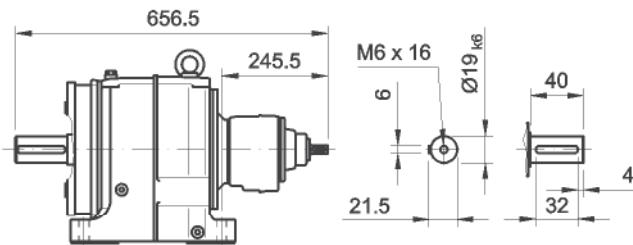
SIFE46..



SIFE46B/C-I

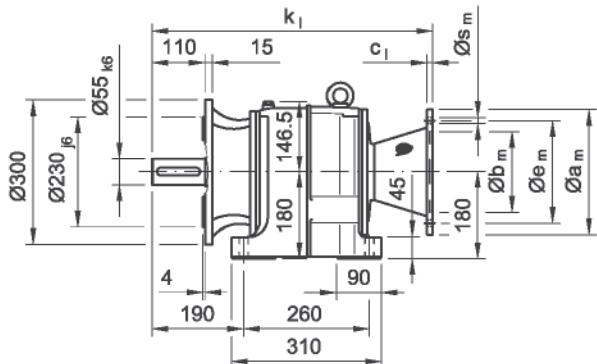
SIFE46C16B/C-U
63 - 112

SIFE46C16B/C-I

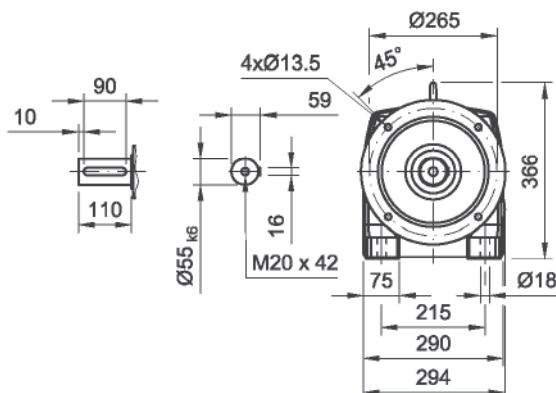


	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L						
k1			474	474	474	474	474	537	537	602	602	602	602						
c1	8	8	10	10	10	12	12	13	13	15	15	15	15						
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7						
Øem	115	130	165	165	165	215	215	265	265	300	300	300	300						
Øam	140	160	200	200	200	250	250	300	300	350	350	350	350						
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5						
kc	644	644	644	644	644	644	644												

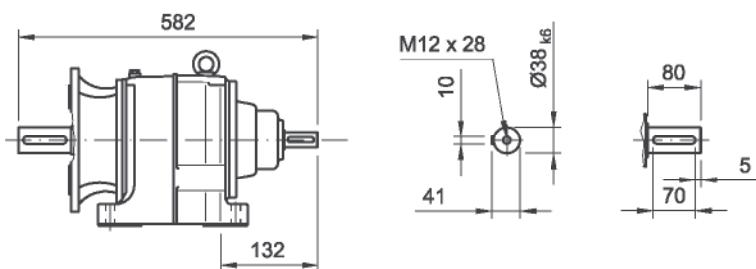
SIFM46B/C-U
80 - 180



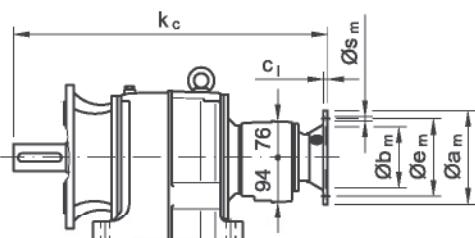
SIFM46..



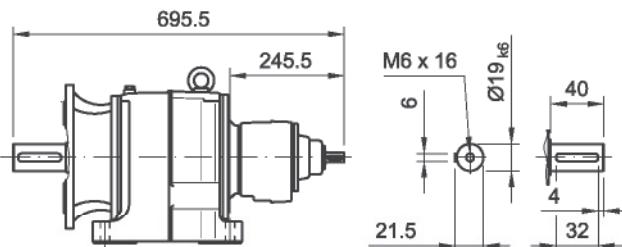
SIFM46B/C-I



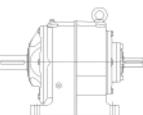
SIFM46C16B/C-U
63 - 112



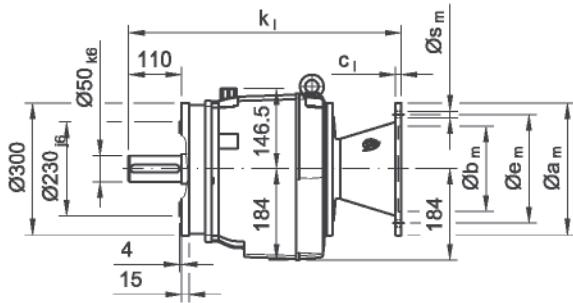
SIFM46C16B/C-I



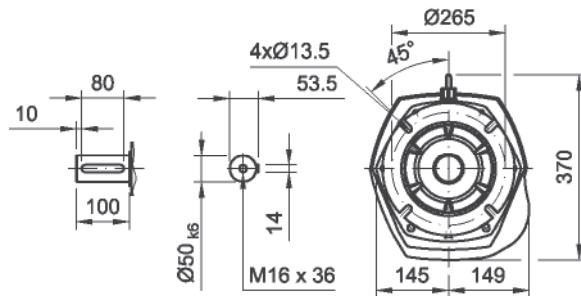
4. SI4



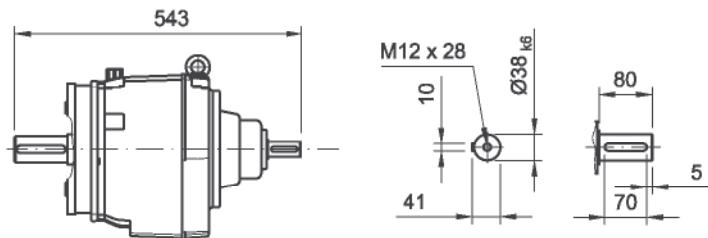
SICE46B/C-U
80 - 180



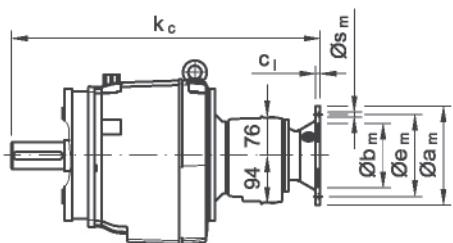
SICE46..



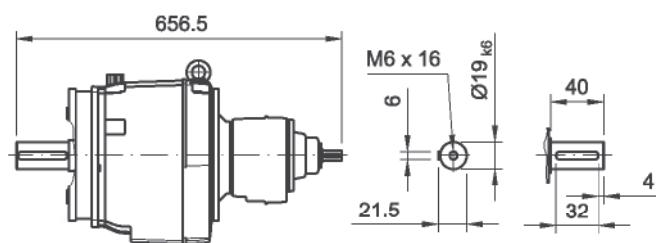
SICE46B/C-I

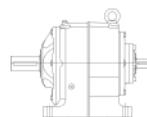


SICE46C16B/C-U
63 - 112

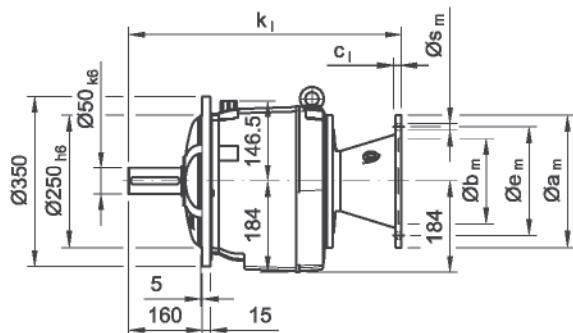


SICE46C16B/C-I

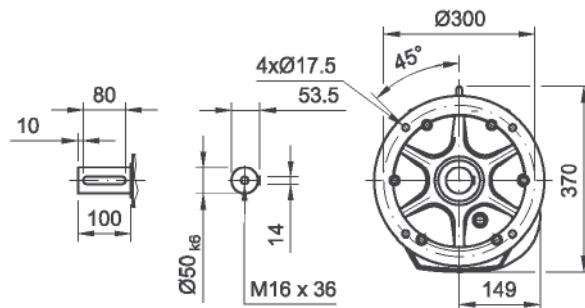




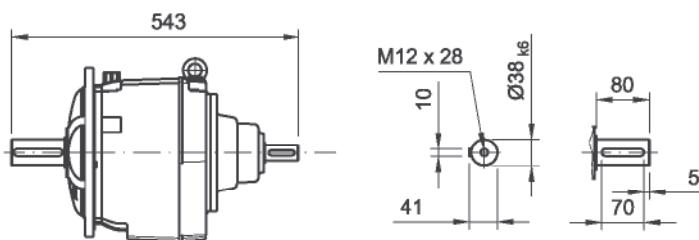
SICF46B/C-U
80 - 180



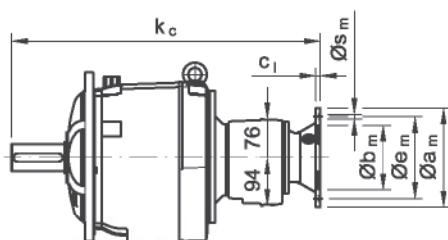
SICF46..



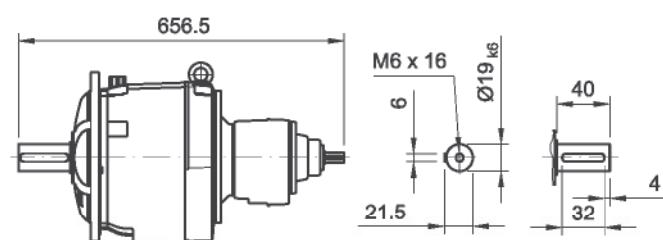
SICF46B/C-I



SICF46C16B/C-U
63 - 112



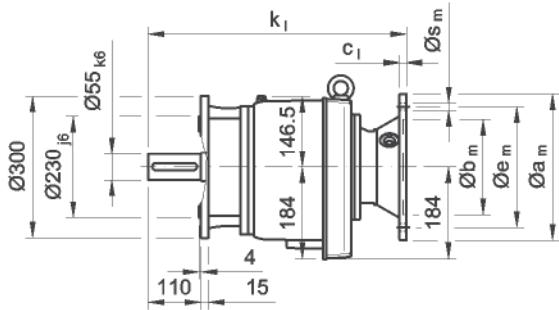
SICF46C16B/C-I



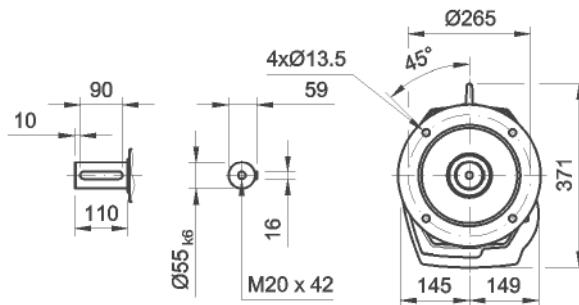
	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k_l				474	474	474	474	537	537	602	602	602	602				
c_l	8	8	10	10	10	12	12	13	13	15	15	15	15				
Ø_{bm}	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Ø_{em}	115	130	165	165	165	215	215	265	265	300	300	300	300				
Ø_{am}	140	160	200	200	200	250	250	300	300	350	350	350	350				
Ø_{sm}	4xM8x16	4xM8x16	4xØ11	4xØ11	4xØ11	4xØ13.5	4xØ13.5	4xØ13.5	4xØ13.5	4xØ17.5	4xØ17.5	4xØ17.5	4xØ17.5				
k_c	644	644	644	644	644	644	644										

4. SI4

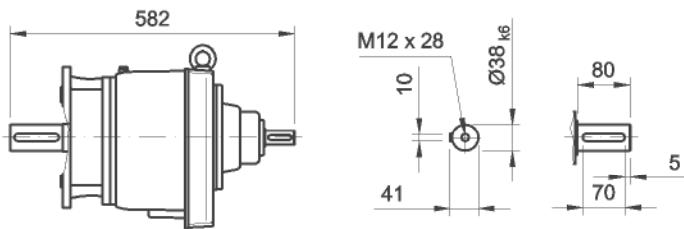
SICM46B/C-U
80 - 180



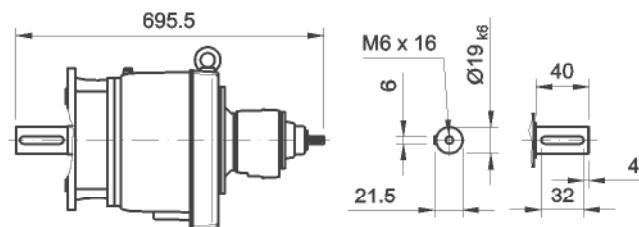
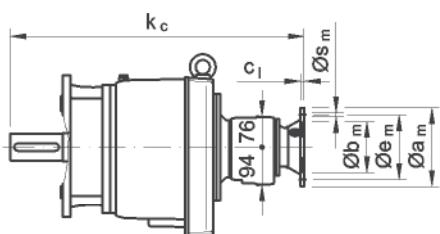
SICM46..

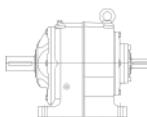
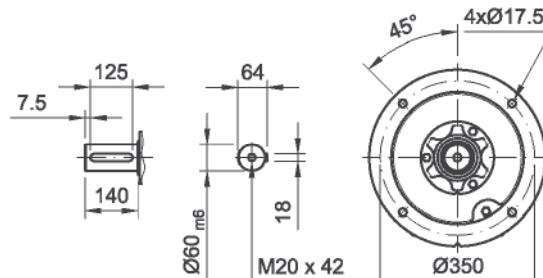
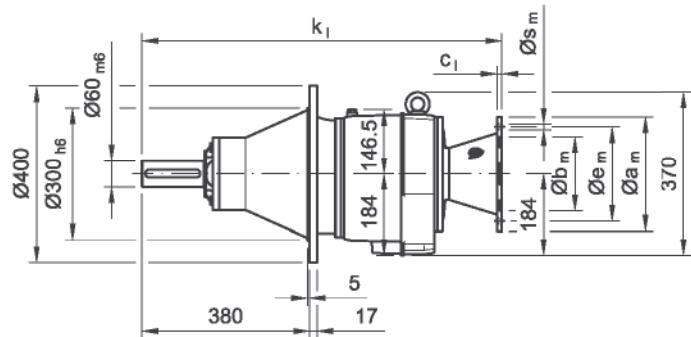


SICM46B/C-I

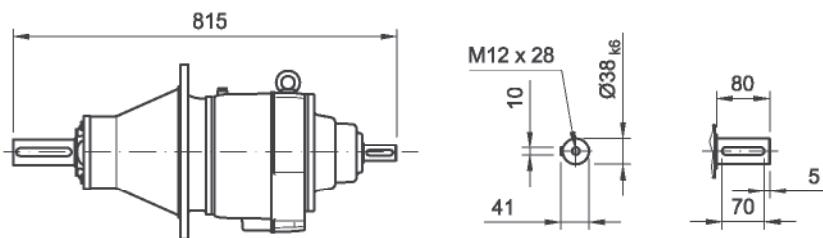
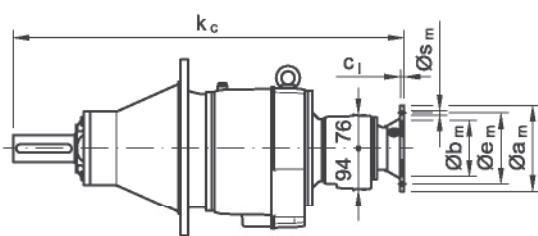


SICM46C16B/C-U
63 - 112

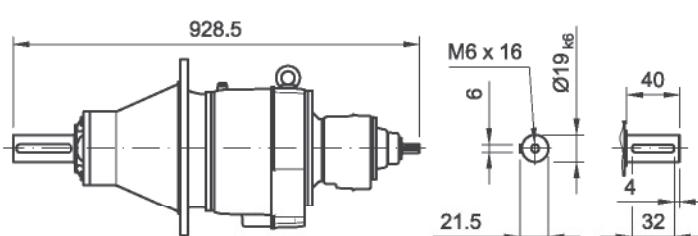


SICL46B/C-U
80 - 180

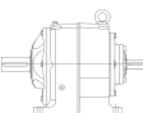
SICL46B/C-I

SICL46C16B/C-U
63 - 112

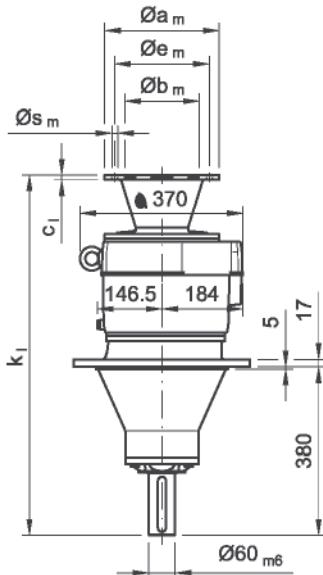
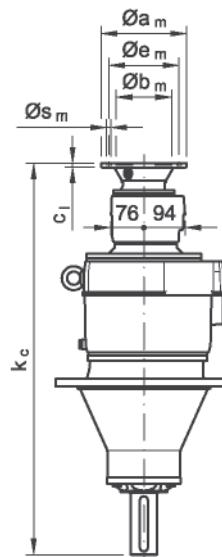
SICL46C16B/C-I



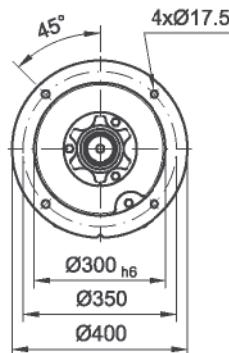
	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
kl				746	746	746	746	809	809	874	874	874	874				
cl	8	8	10	10	10	12	12	13	13	15	15	15	15				
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Øem	115	130	165	165	165	215	215	265	265	300	300	300	300				
Øam	140	160	200	200	200	250	250	300	300	350	350	350	350				
Øsm	4xM8x16	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5				
kc	916	916	916	916	916	916	916										



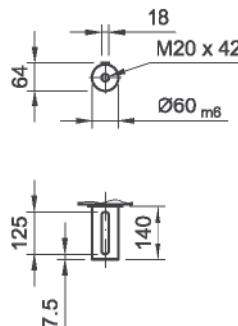
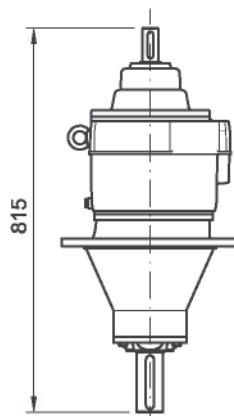
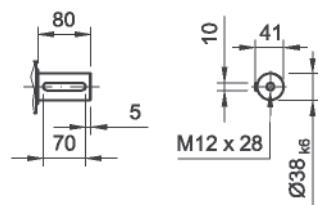
4. SI4

SICP46B/C-U
80 - 180SICP46C16B/C-U
63 - 112

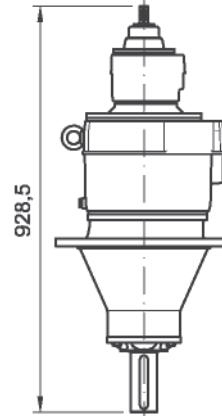
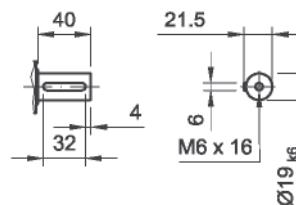
SICP46..



SICP46B/C-I



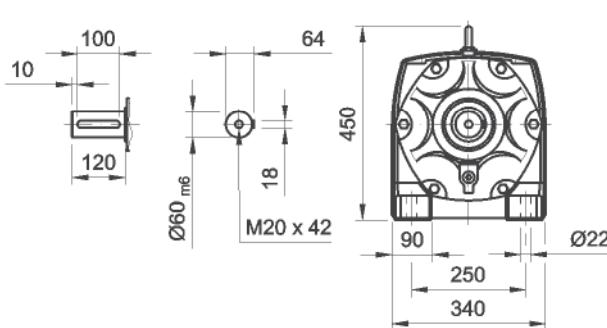
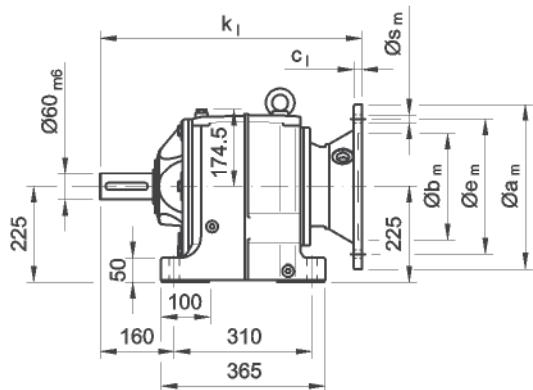
SICP46C16B/C-I



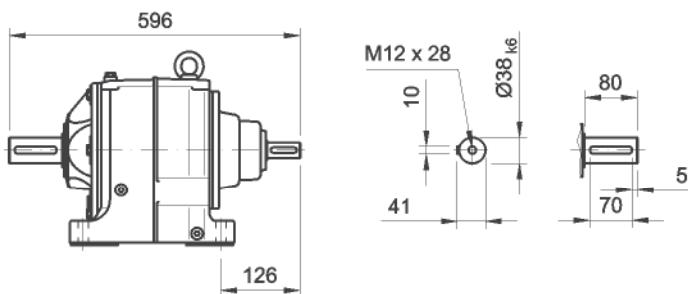
	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L						
k _l			746	746	746	746	746	809	809	874	874	874	874						
c _l	8	8	10	10	10	12	12	13	13	15	15	15	15						
Øb _m	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7						
Øe _m	115	130	165	165	165	215	215	265	265	300	300	300	300						
Øa _m	140	160	200	200	200	250	250	300	300	350	350	350	350						
Øs _m	4xM8x16	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5						
k _c	916	916	916	916	916	916	916												

SIFN56B/C-U
80 - 180

SIFN56..

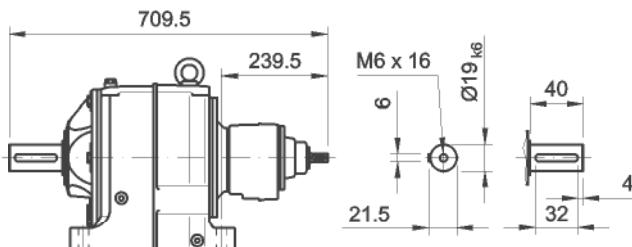
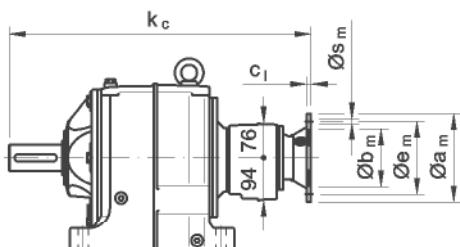


SIFN56B/C-I

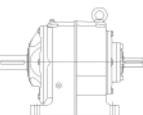


SIFN56C16B/C-U
63 - 112

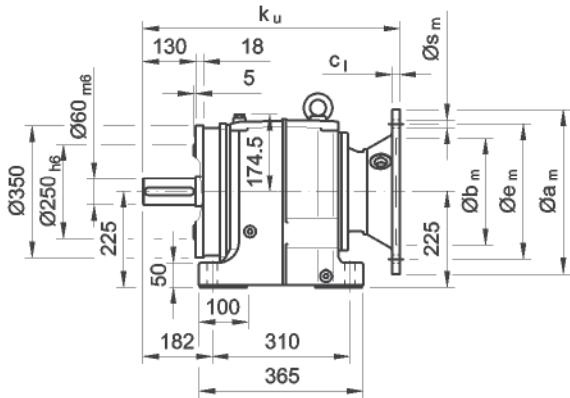
SIFN56C16B/C-I



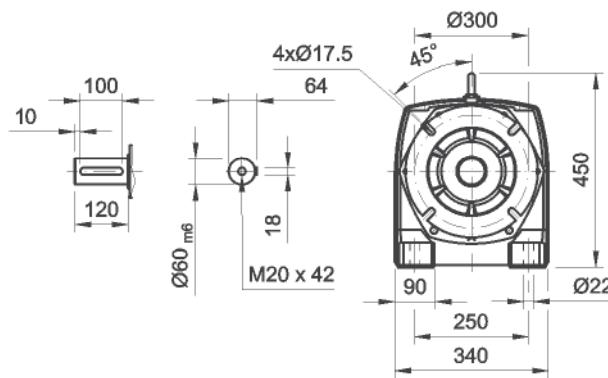
4. SI4



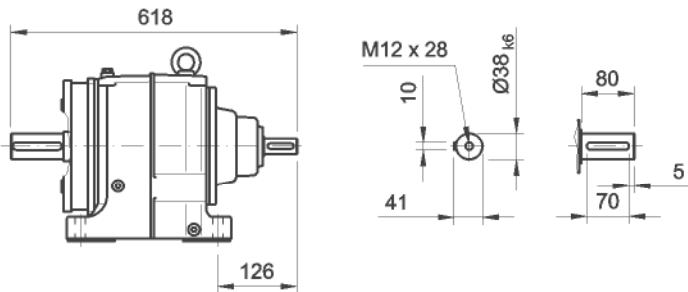
SIFE56B/C-U
80 - 180



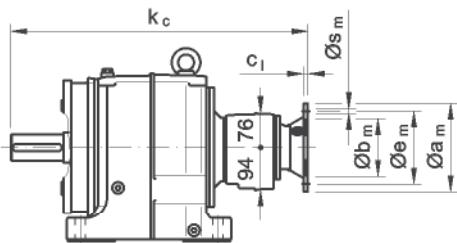
SIFE56..



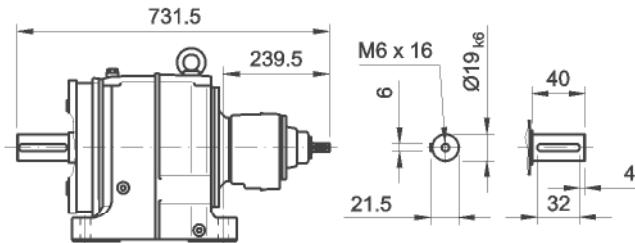
SIFE56B/C-I

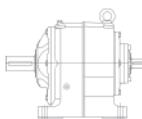


SIFE56C16B/C-U
63 - 112

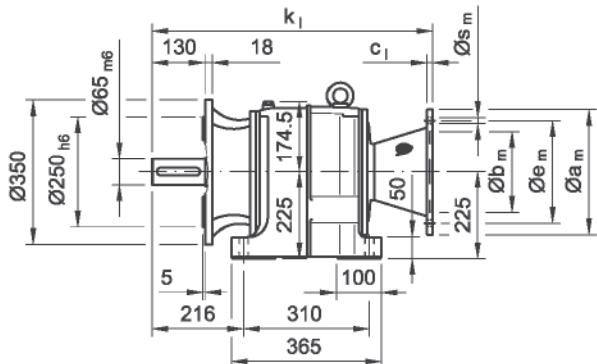


SIFE56C16B/C-I

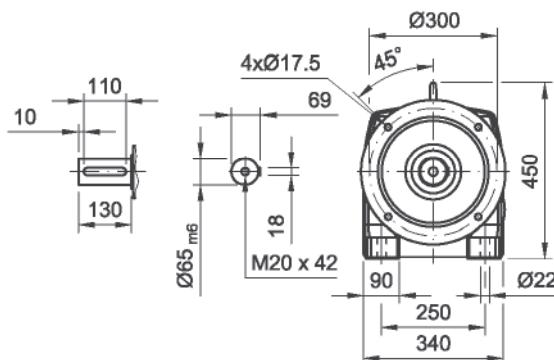




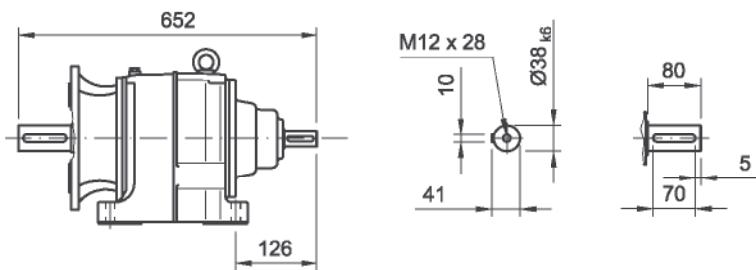
SIFM56B/C-U
80 - 180



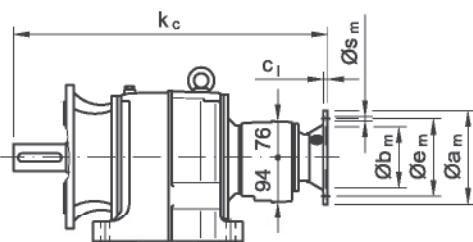
SIFM56..



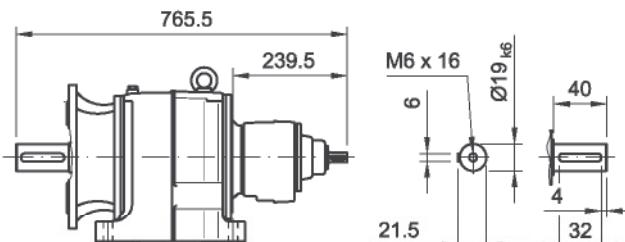
SIFM56B/C-I



SIFM56C16B/C-U
63 - 112

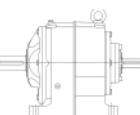


SIFM56C16B/C-I

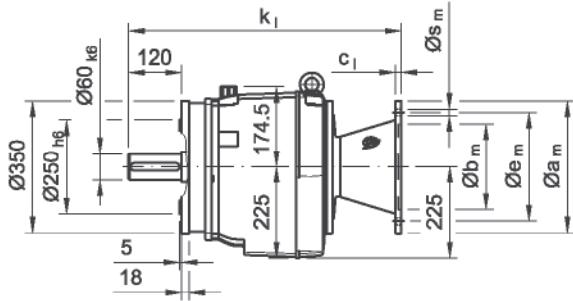


	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k_l				583	583	583	583	646	646	711	711	711	711				
c_l	8	8	10	10	10	12	12	13	13	15	15	15	15				
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Øem	115	130	165	165	165	215	215	265	265	300	300	300	300				
Øam	140	160	200	200	200	250	250	300	300	350	350	350	350				
Øsm	4xM8x16	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5				
k_c	753	753	753	753	753	753	753										

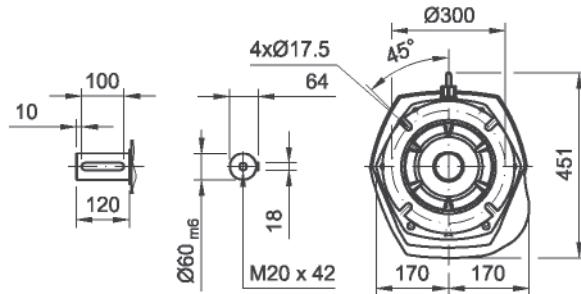
4. SI4



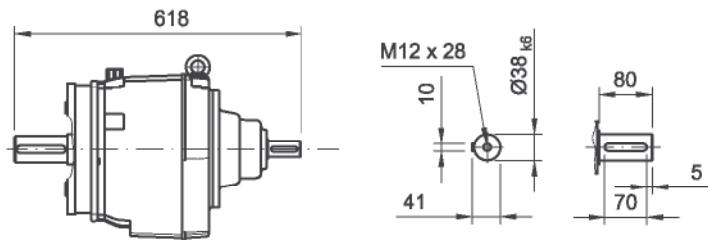
SICE56B/C-U
80 - 180



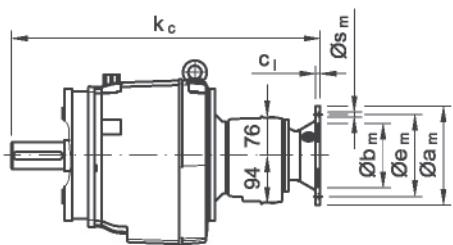
SICE56..



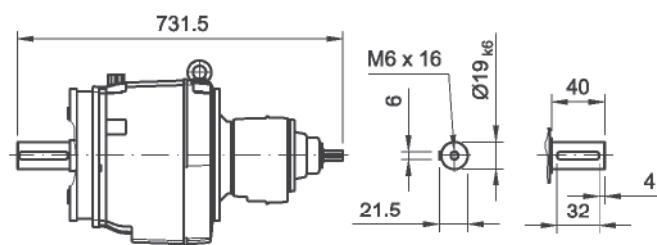
SICE56B/C-I

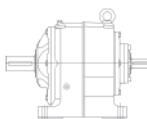


SICE56C16B/C-U
63 - 112

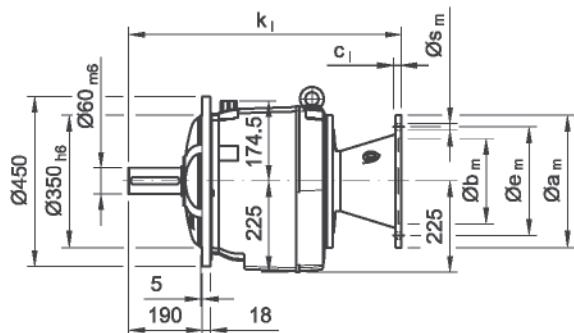


SICE56C16B/C-I

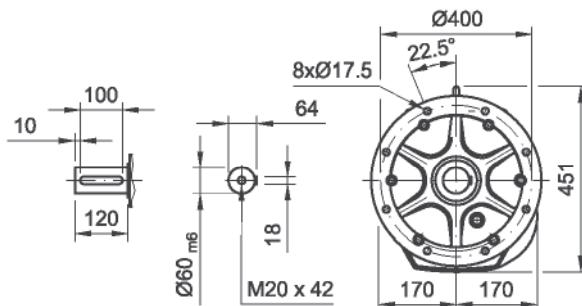




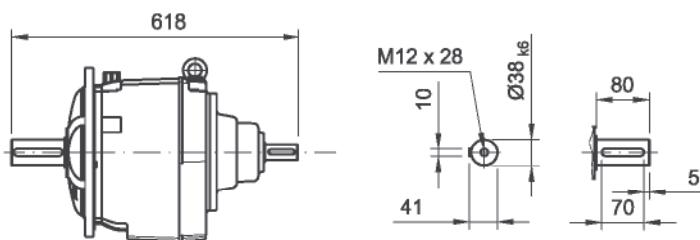
SICF56B/C-U
80 - 180



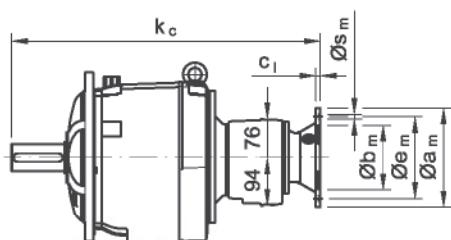
SICF56..



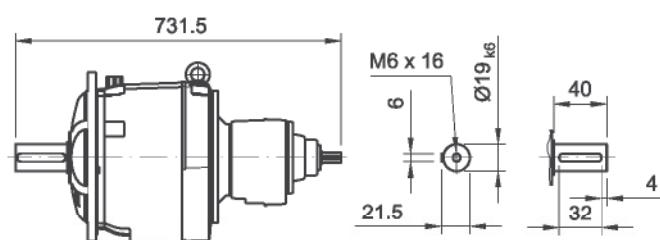
SICF56B/C-I



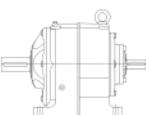
SICF56C16B/C-U
63 - 112



SICF56C16B/C-I

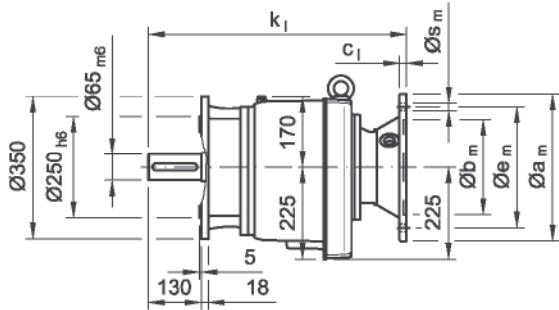


	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k _l				549	549	549	549	612	612	677	677	677	677				
c _l	8	8	10	10	10	12	12	13	13	15	15	15	15				
Øb _m	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Øe _m	115	130	165	165	165	215	215	265	265	300	300	300	300				
Øa _m	140	160	200	200	200	250	250	300	300	350	350	350	350				
Øs _m	4xM8x16	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5				
k _c	719	719	719	719	719	719	719										

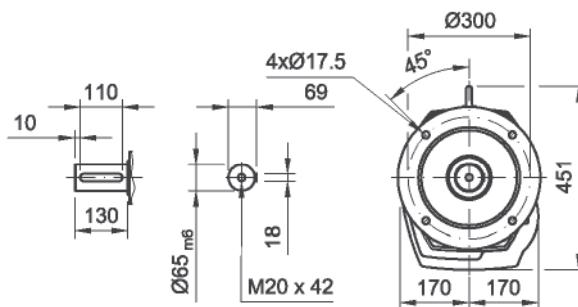


4. SI4

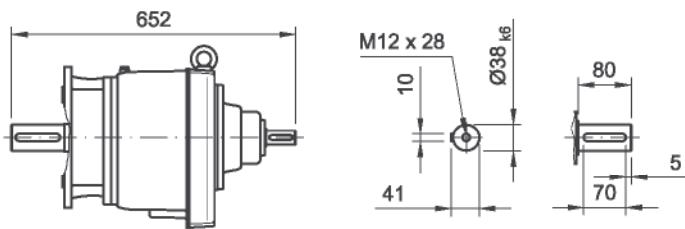
SICM56B/C-U
80 - 180



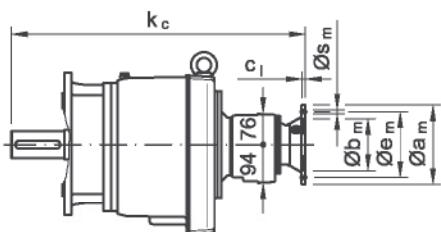
SICM56..



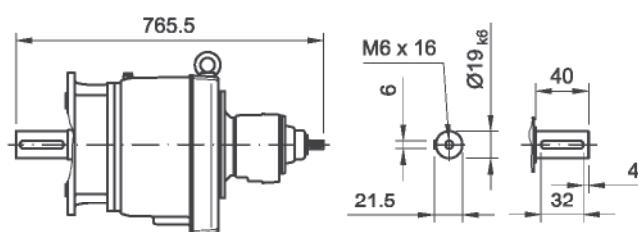
SICM56B/C-I



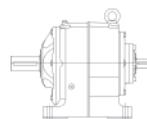
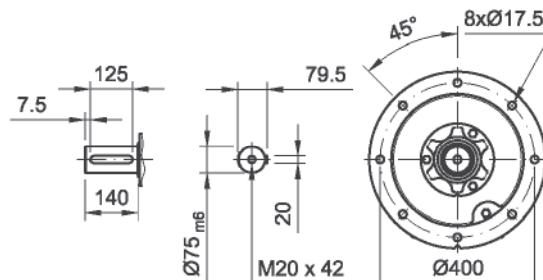
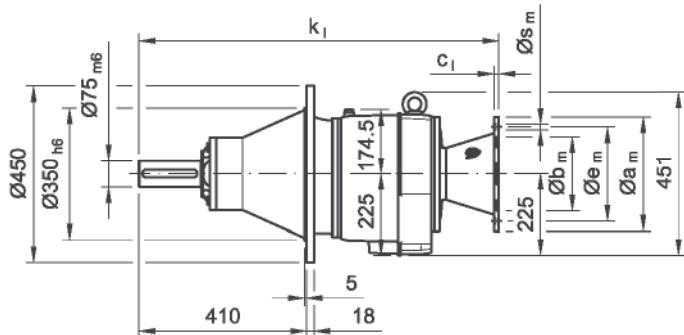
SICM56C16B/C-U
63 - 112



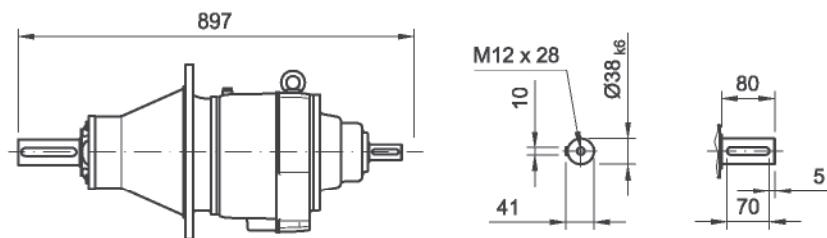
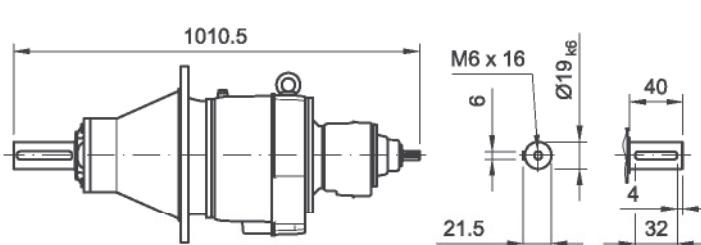
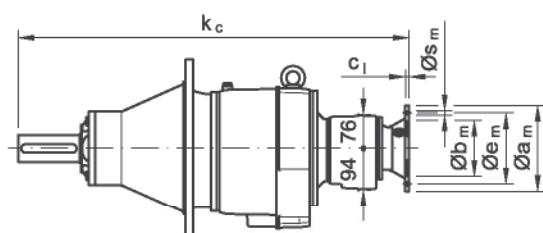
SICM56C16B/C-I



	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k_l				583	583	583	583	646	646	711	711	711	711				
c_l	8	8	10	10	10	12	12	13	13	15	15	15	15				
Ø_{bm}	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Ø_{em}	115	130	165	165	165	215	215	265	265	300	300	300	300				
Ø_{am}	140	160	200	200	200	250	250	300	300	350	350	350	350				
Ø_{sm}	4xM8x16	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5				
k_c	753	753	753	753	753	753	753										

SICL56B/C-U
80 - 180

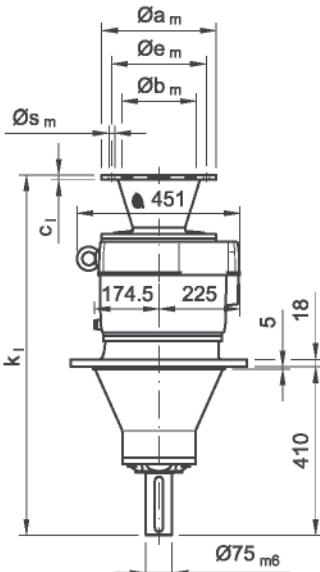
SICL56B/C-I

SICL56C16B/C-U
63 - 112

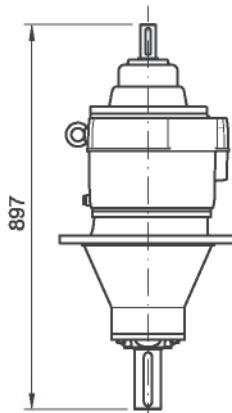
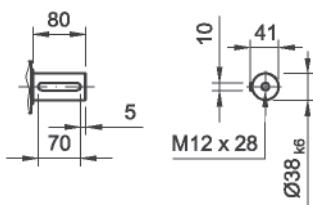
	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k1				828	828	828	828	891	891	956	956	956	956				
c1	8	8	10	10	10	12	12	13	13	15	15	15	15				
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Øem	115	130	165	165	165	215	215	265	265	300	300	300	300				
Øam	140	160	200	200	200	250	250	300	300	350	350	350	350				
Øsm	4xM8x16	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5				
kc	998	998	998	998	998	998	998	998	998	998	998	998	998				

4. S|4

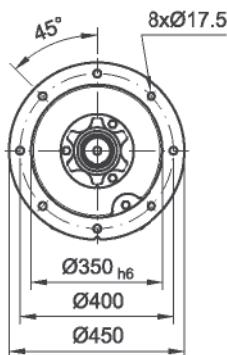
SICP56B/C-U
80 - 180



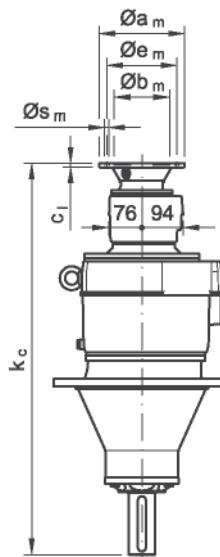
SICP56B/C-I



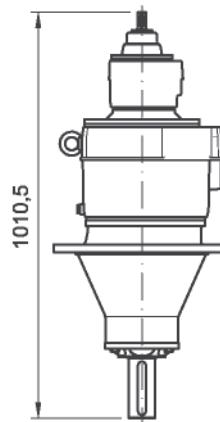
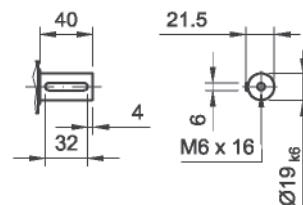
SICP56..

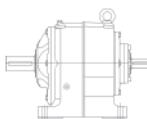


SICP56C16B/C-U
63 - 112

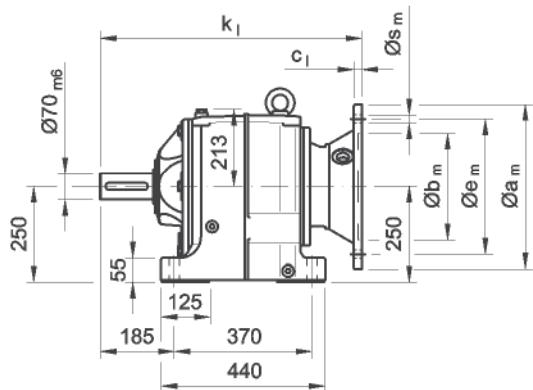


SICP56C16B/C-I

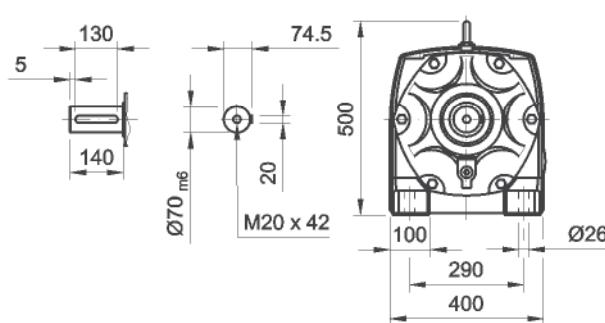




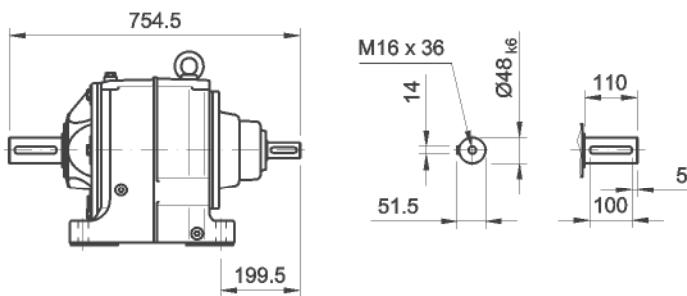
SIFN66B/C-U
100 - 280



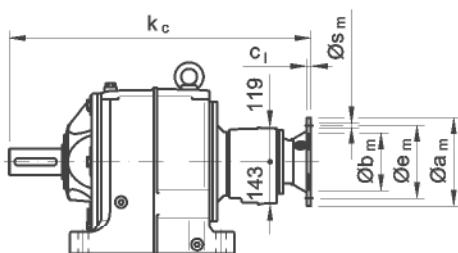
SIFN66..



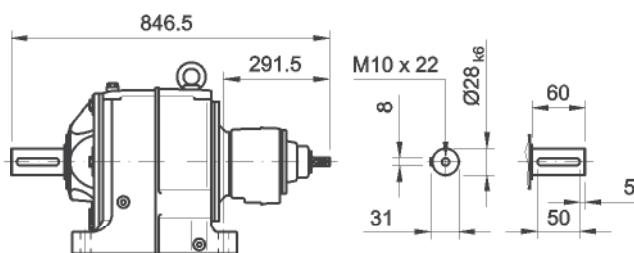
SIFN66B/C-I



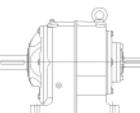
SIFN66C36B/C-U
71 - 132



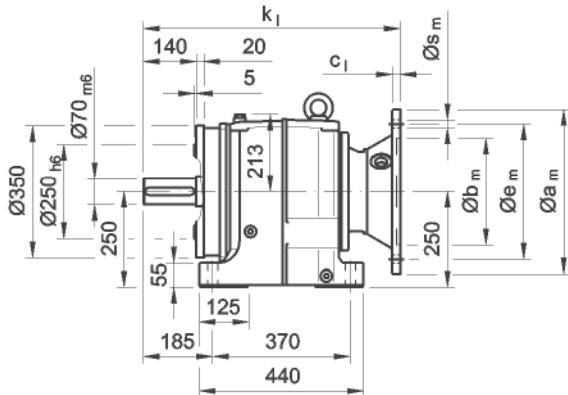
SIFN66C36B/C-I



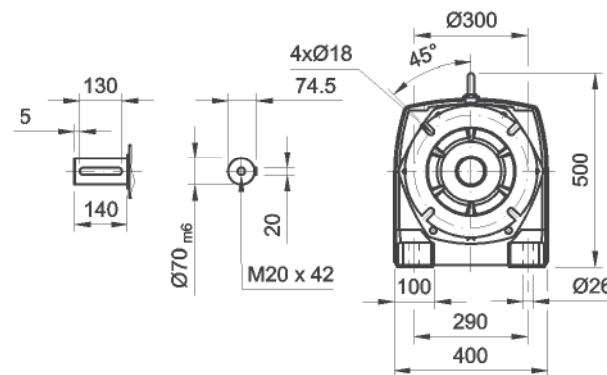
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					657	657	657	657	722	722	814	814	839	869	869	880	880	880	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Dbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Da_m	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Dam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Dsm	4M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	814	814	814	814	814	814	877	877											



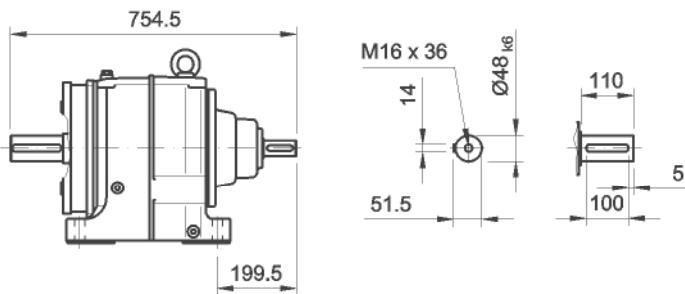
4. SI4

SIFE66B/C-U
100 - 280

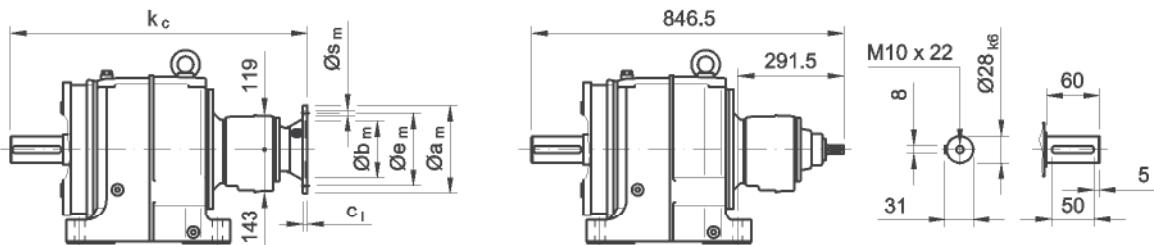
SIFE66..



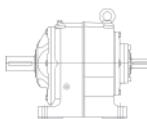
SIFE66B/C-I

SIFE66C36B/C-U
71 - 132

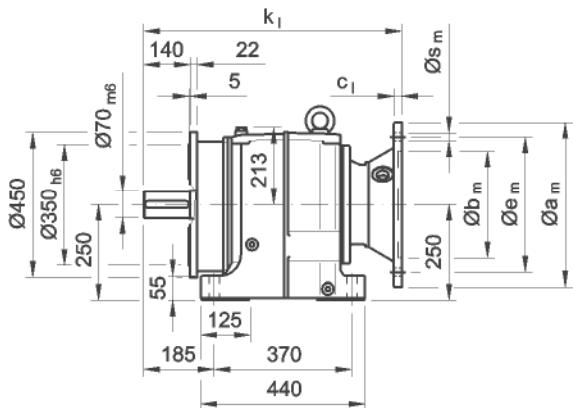
SIFE66C36B/C-I



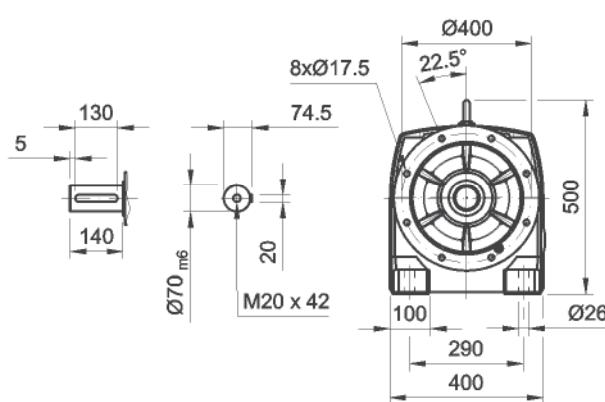
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k _l					657	657	657	657	722	722	814	814	839	869	869	880	880	880	
c _l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	814	814	814	814	814	814	877	877											



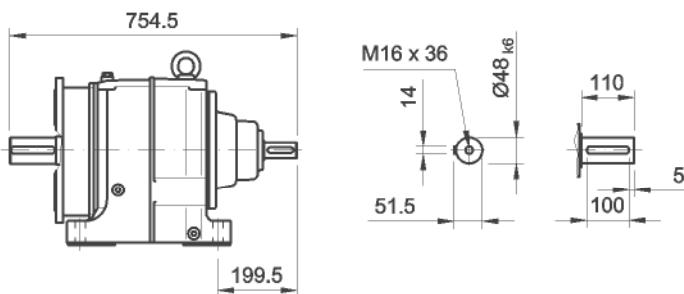
SIFD66B/C-U
100 - 280



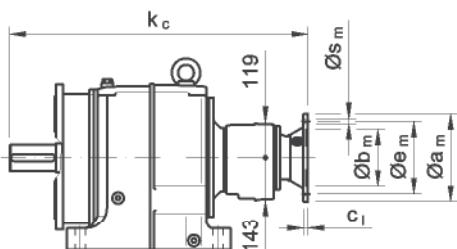
SIFD66..



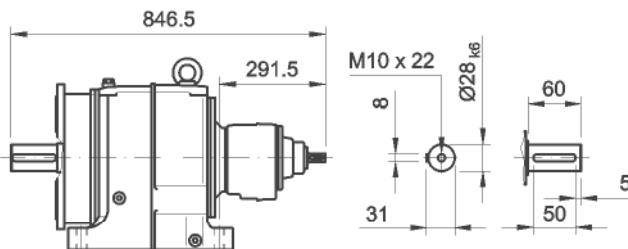
SIFD66B/C-I



SIFD66C36B/C-U
71 - 132

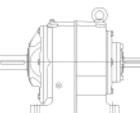


SIFD66C36B/C-I



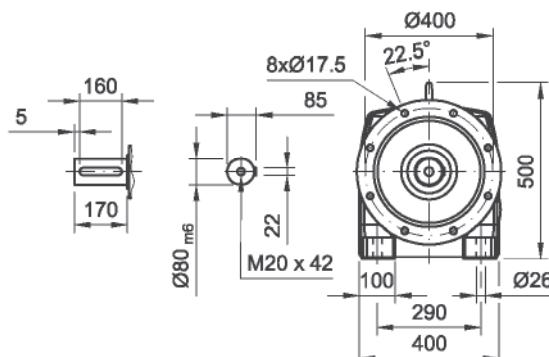
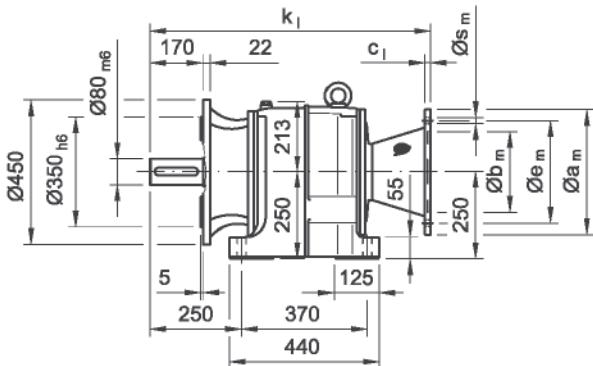
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k_l					657	657	657	657	722	722	814	814	839	869	869	880	880	880	
c_l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	8x Ø17.5						
k_c	814	814	814	814	814	814	877	877											

4. SI4

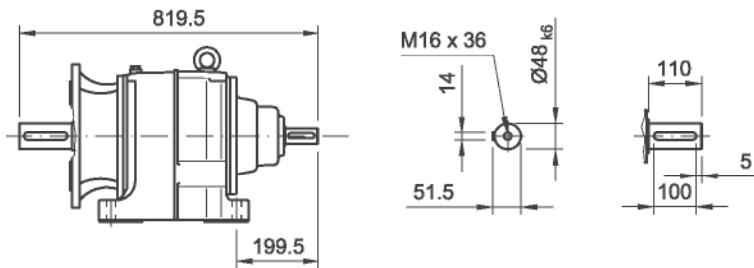


SIFM66B/C-U
100 - 280

SIFM66..

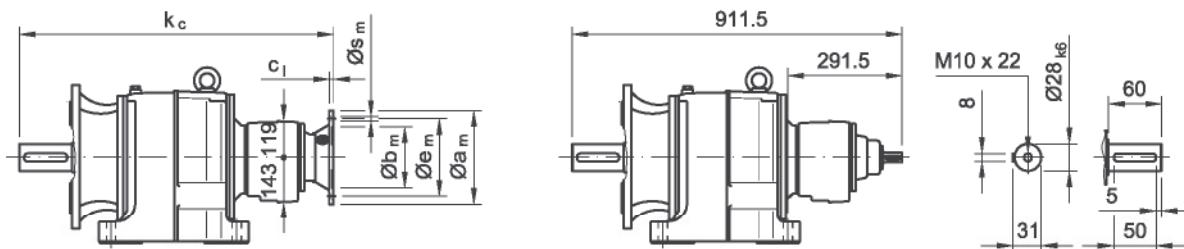


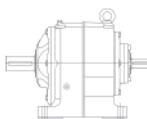
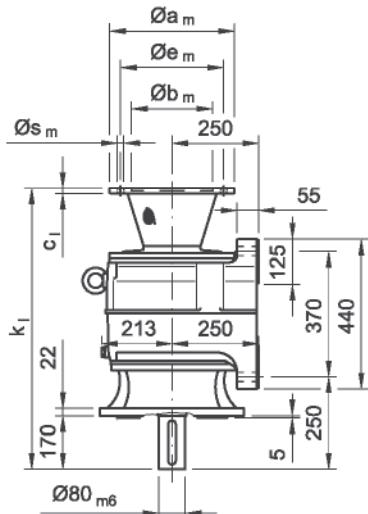
SIFM66B/C-I



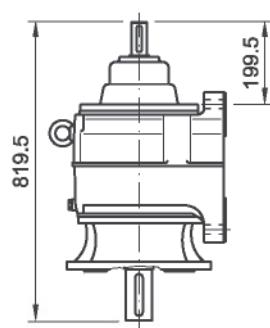
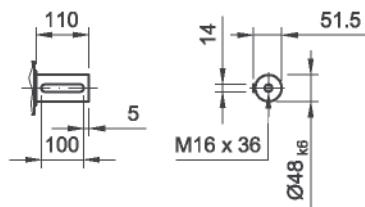
SIFM66C36B/C-U
71 - 132

SIFM66C36B/C-I

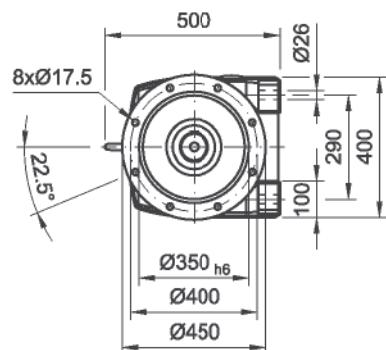
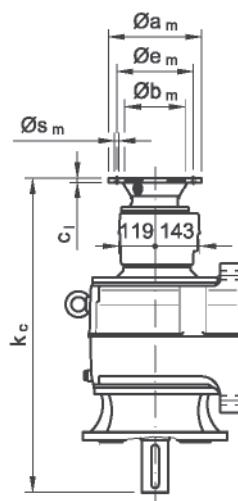


SIFA66B/C-U
100 - 280

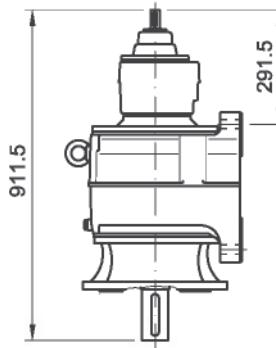
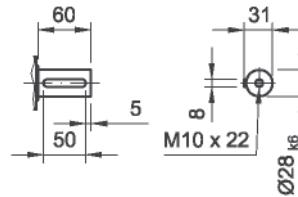
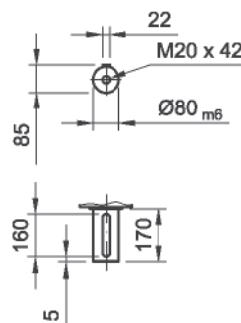
SIFA66B/C-I



SIFA66..

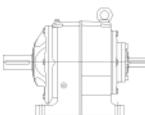
SIFA66C36B/C-U
72 - 132

SIFA66C36B/C-I

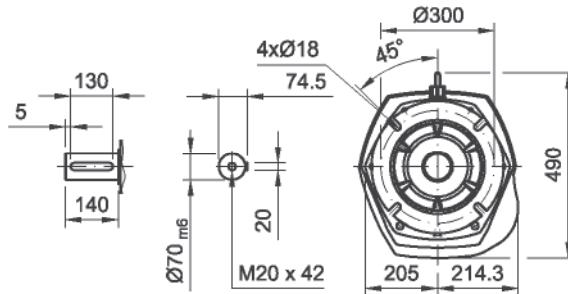
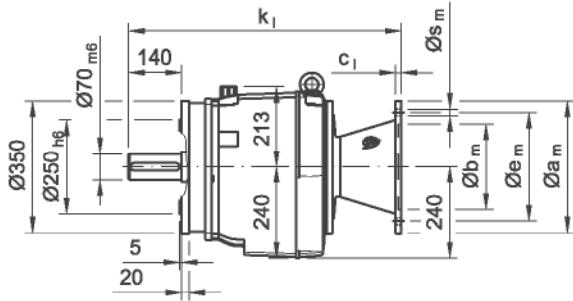


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kl					722	722	722	722	787	787	879	879	904	934	934	945	945	945	
cl	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xM8x16	4xØ11	4xØ11	4xØ11	4xØ13.5	4xØ13.5	4xØ13.5	4xØ13.5	4xØ17.5	4xØ17.5	4xØ17.5	4xØ17.5	8xØ17.5	8xØ17.5	8xØ17.5	8xØ17.5	8xØ17.5	8xØ17.5	
kc	879	879	879	879	879	879	942	942											

4. SI4

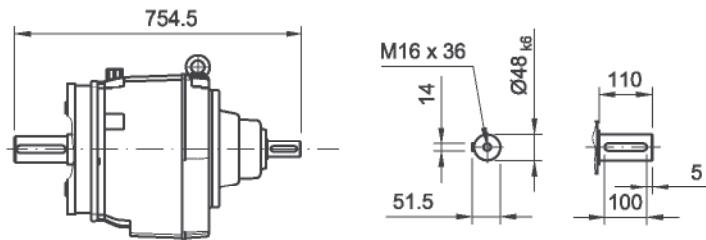


SICE66B/C-U
100 - 280

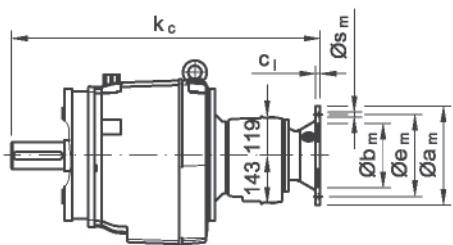


SICE66..

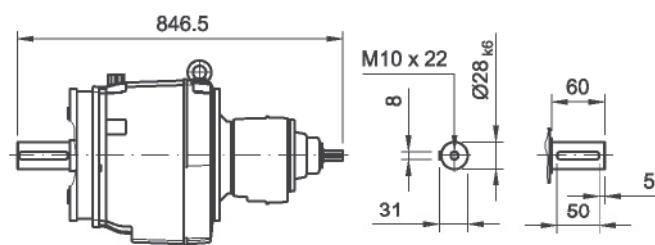
SICE66B/C-I

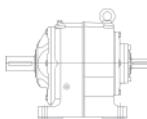


SICE66C36B/C-U
71 - 132

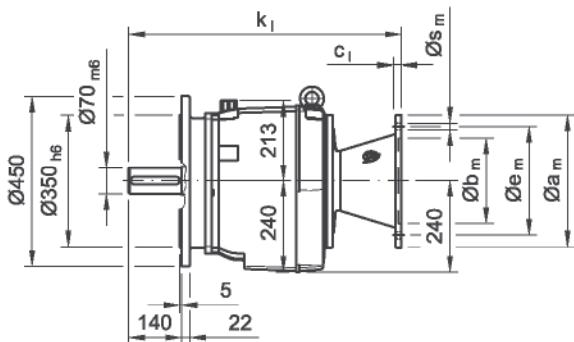


SICE66C36B/C-I

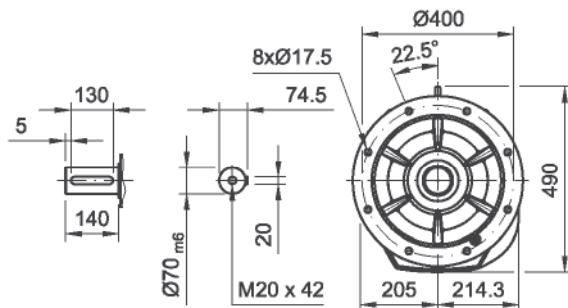




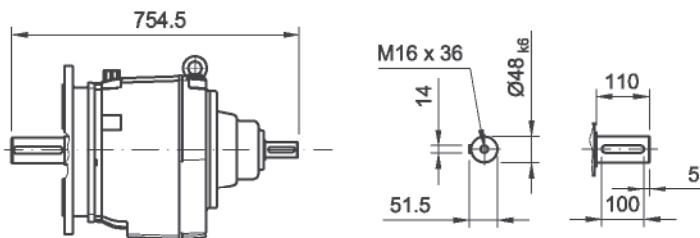
SICD66B/C-U
100 - 280



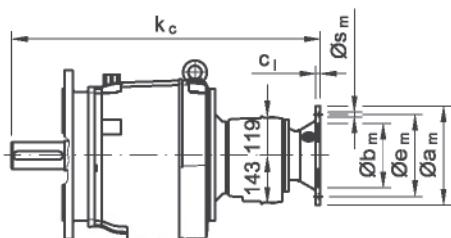
SICD66..



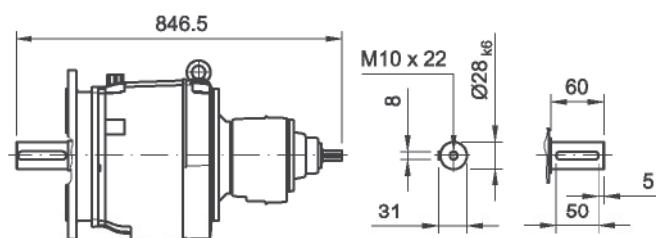
SICD66B/C-I



SICD66C36B/C-U
71 - 132

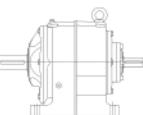


SICD66C36B/C-I

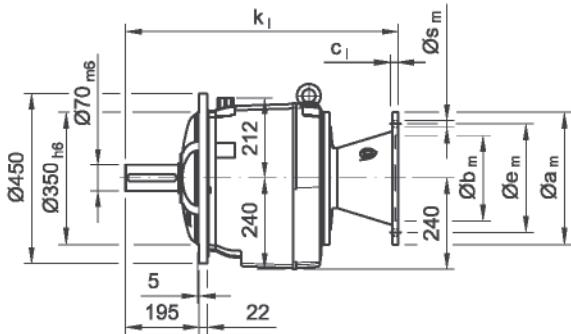


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k _l					657	657	657	657	722	722	814	814	839	869	869	880	880	880	
c _l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
D _{bm}	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G 7	350G 7	450G 7	450G 7	450G 7	
D _m	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
D _{a_m}	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
D _{sm}	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	8x Ø17.5						
k _c	814	814	814	814	814	814	877	877											

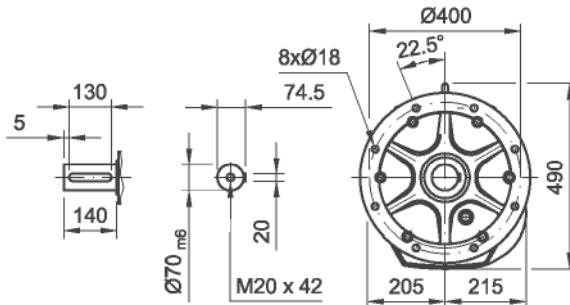
4. SI4



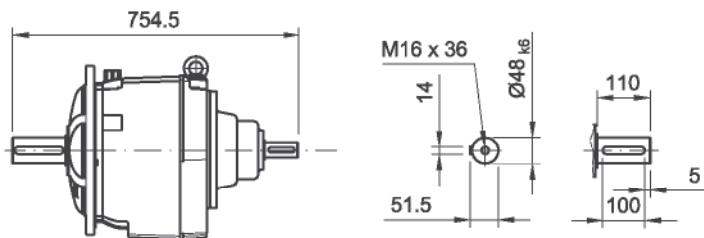
SICF66B/C-U
100 - 280



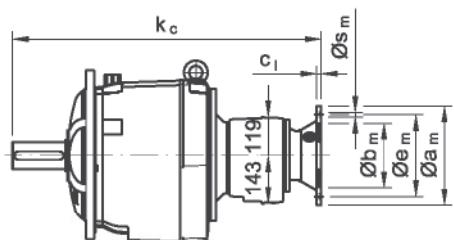
SICF66..



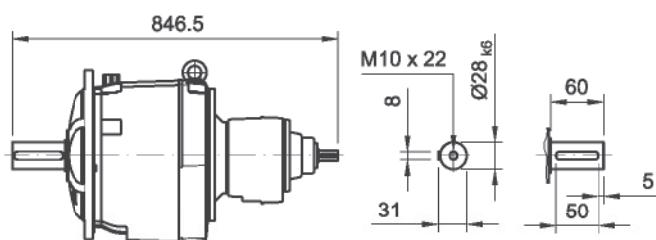
SICF66B/C-I

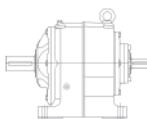


SICF66C36B/C-U
71 - 132



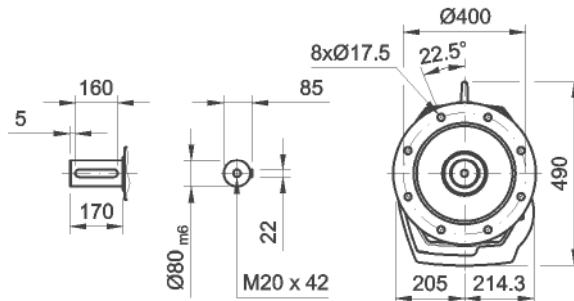
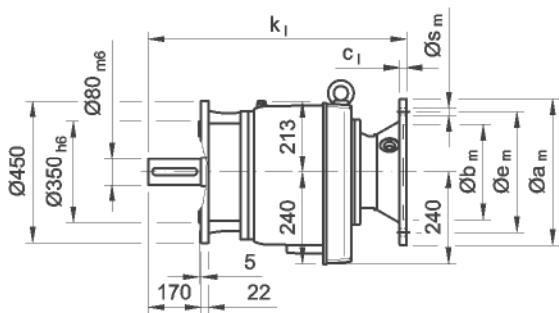
SICF66C36B/C-I



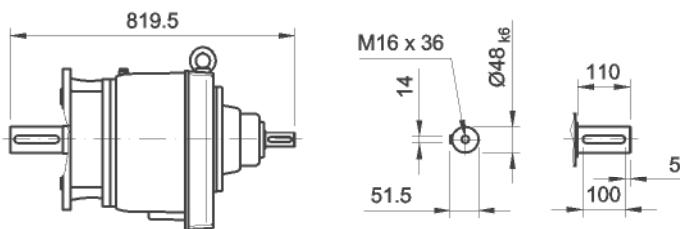


SICM66B/C-U
100 - 280

SICM66..

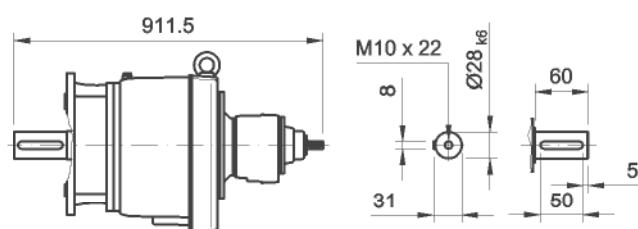
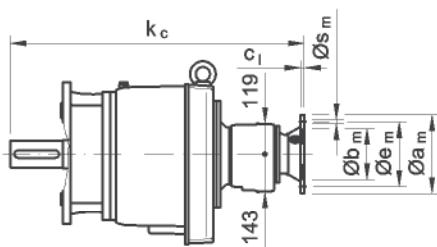


SICM66B/C-I

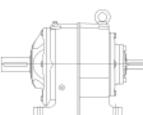


SICM66C36B/C-U
71 - 132

SICM66C36B/C-I

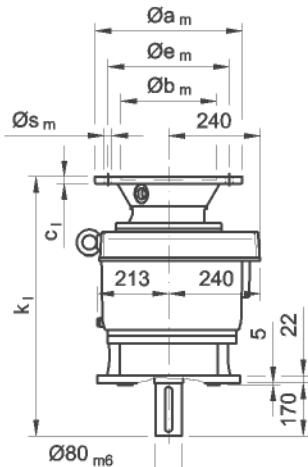


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					722	722	722	722	787	787	879	879	904	934	934	945	945	945	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	8x Ø17.5						
kc	879	879	879	879	879	879	942	942											

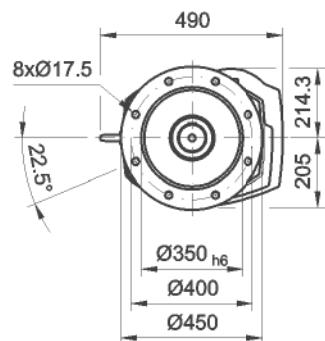


4. SI4

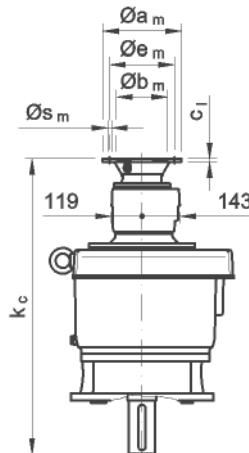
SICA66B/C-U
100 - 280



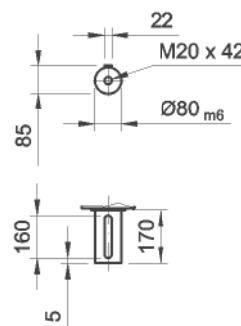
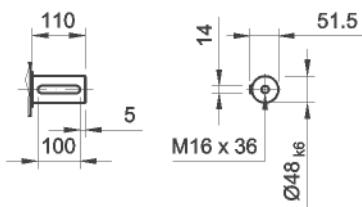
SICA66..



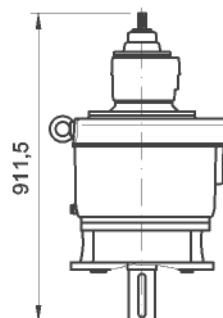
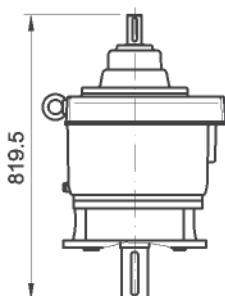
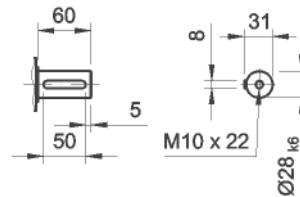
SICA66C36B/C-U
72 - 132



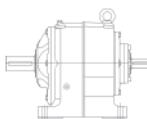
SICA66B/C-I



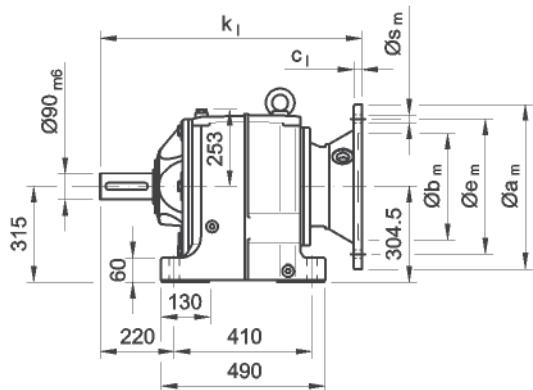
SICA66C36B/C-I



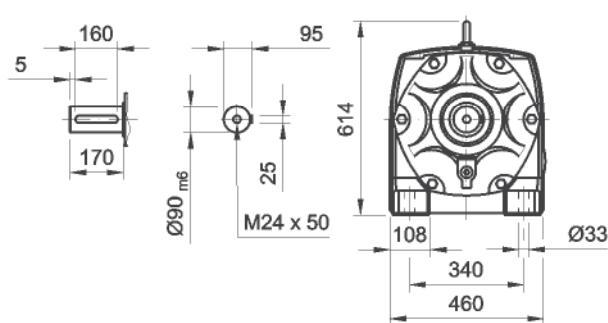
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k_l					722	722	722	722	787	787	879	879	904	934	934	945	945	945	
c_l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øb_m	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øe_m	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øa_m	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øs_m	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	8x Ø17.5									
k_c	879	879	879	879	879	879	942	942											



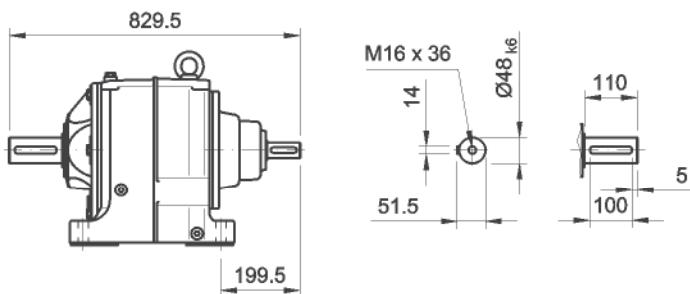
SIFN76B/C-U
100 - 280



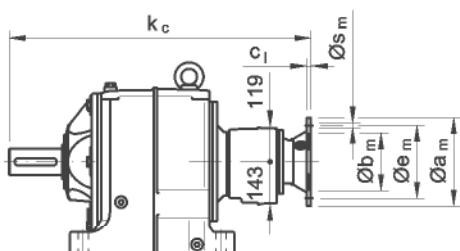
SIFN76..



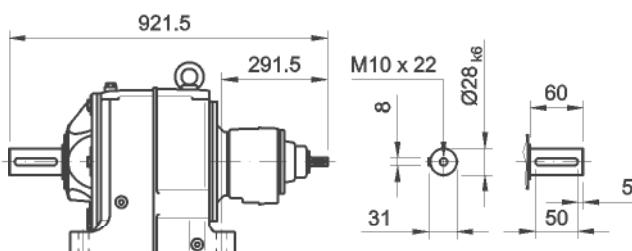
SIFN76B/C-I



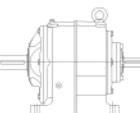
SIFN76C36B/C-U
71 - 132



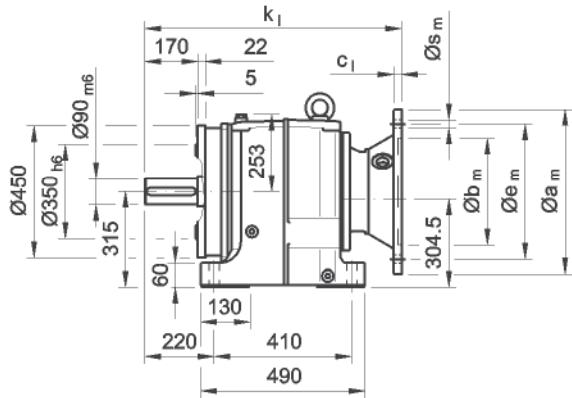
SIFN76C36B/C-I



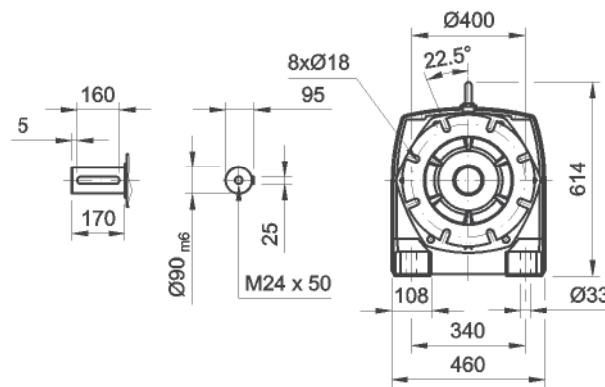
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					732	732	732	732	797	797	889	889	914	944	944	955	955	955	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	889	889	889	889	889	889	952	952											



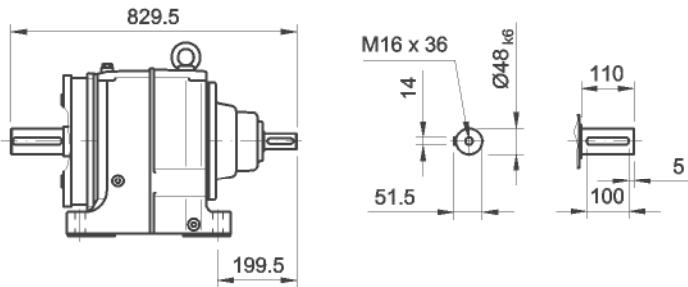
4. SI4

SIFE76B/C-U
100 - 280

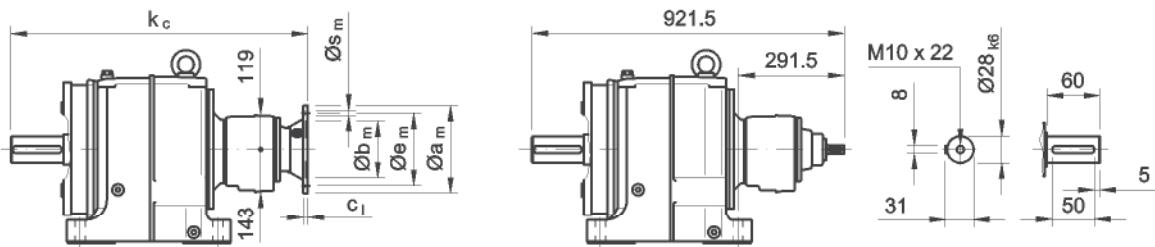
SIFE76..



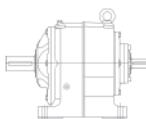
SIFE76B/C-I

SIFE76C36B/C-U
71 - 132

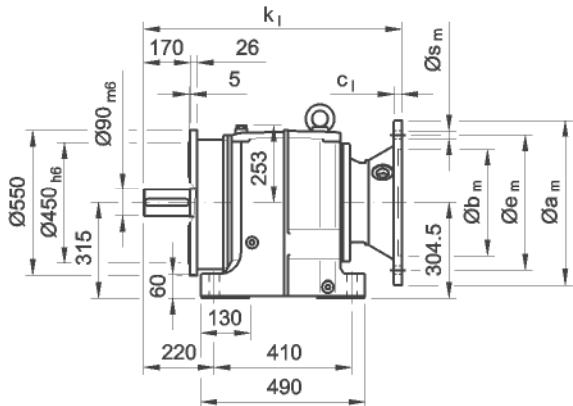
SIFE76C36B/C-I



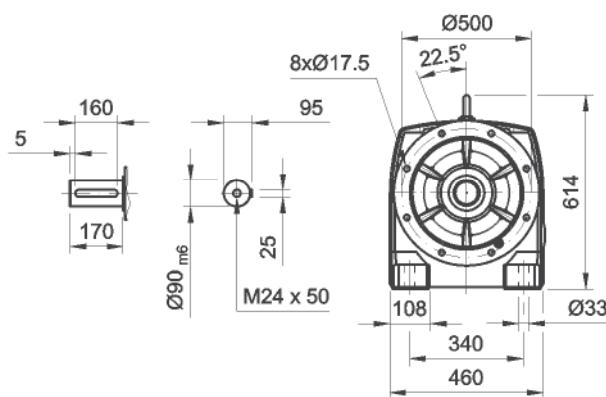
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					732	732	732	732	797	797	889	889	914	944	944	955	955	955	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	889	889	889	889	889	889	952	952											



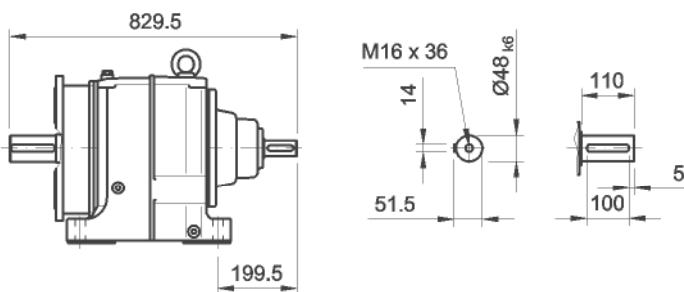
SIFD76B/C-U
100 - 280



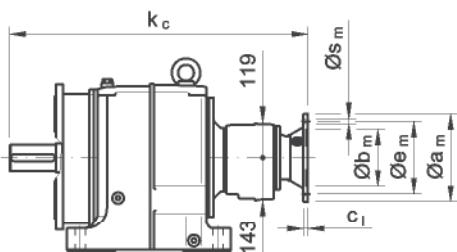
SIFD76..



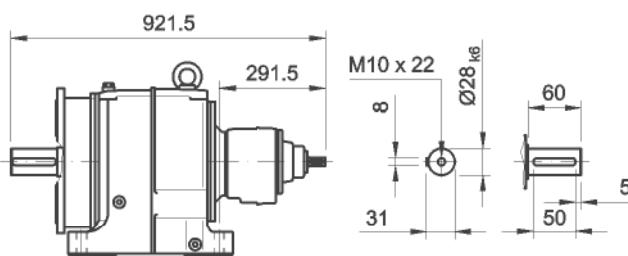
SIFD76B/C-I



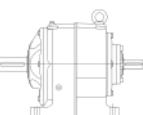
SIFD76C36B/C-U
71 - 132



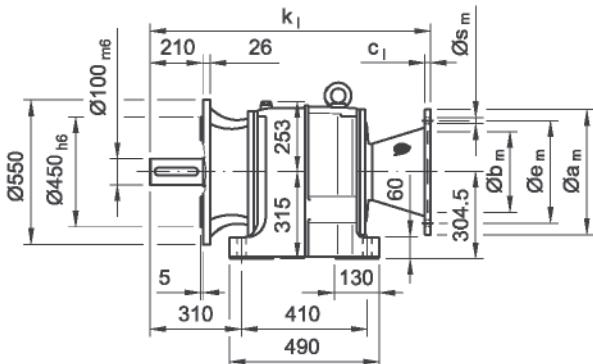
SIFD76C36B/C-I



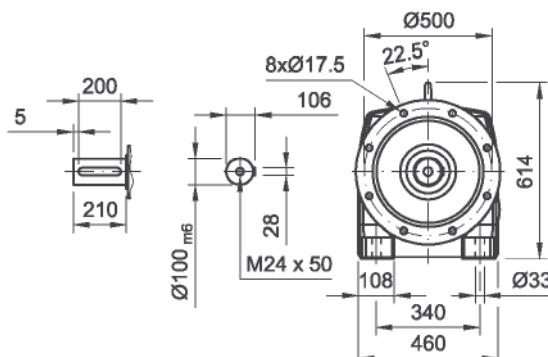
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					732	732	732	732	797	797	889	889	914	944	944	955	955	955	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	8x Ø17.5						
k2	889	889	889	889	889	889	952	952											



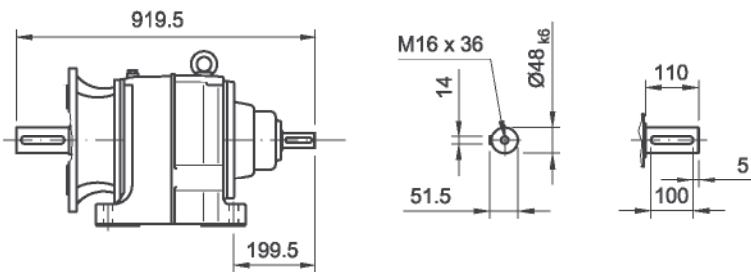
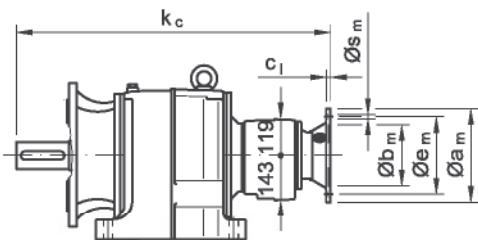
4. SI4

SIFM76B/C-U
100 - 280

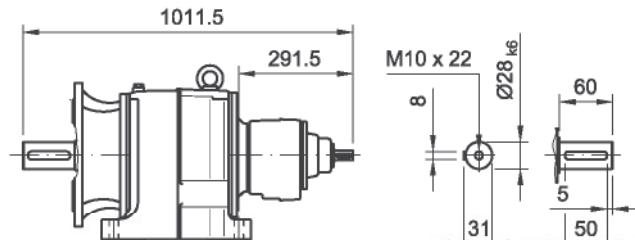
SIFM76..



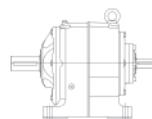
SIFM76B/C-I

SIFM76C36B/C-U
71 - 132

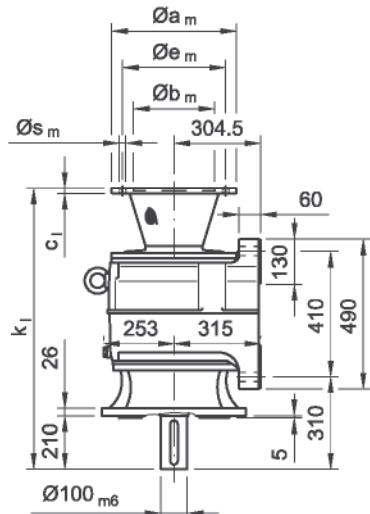
SIFM76C36B/C-I



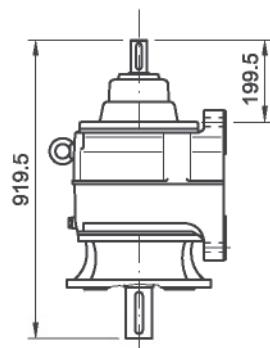
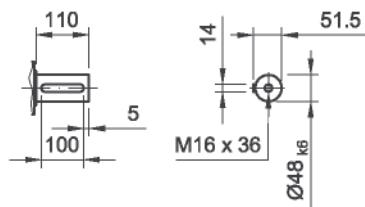
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k _l					822	822	822	822	887	887	979	979	1004	1034	1034	1045	1045	1045	
c _l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	8x Ø17.5									
k _c	979	979	979	979	979	979	1042	1042											



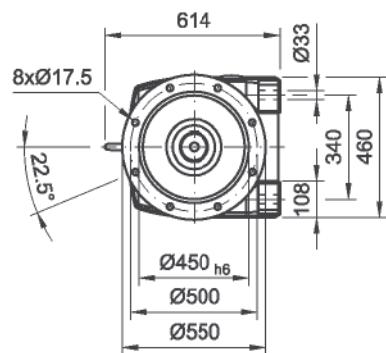
SIFA76B/C-U
100 - 280



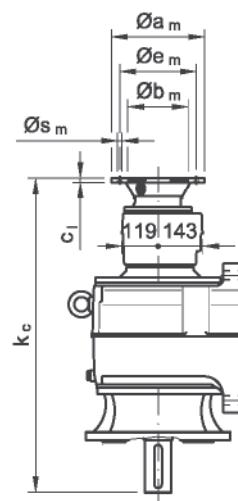
SIFA76B/C-I



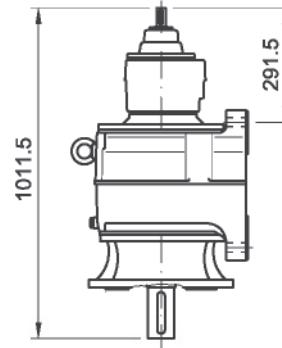
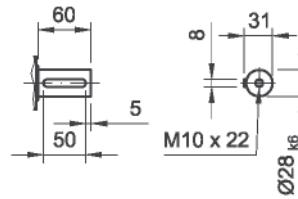
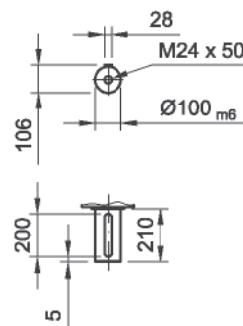
SIFA76..



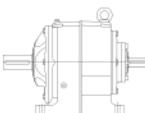
SIFA76C36B/C-U
72 - 132



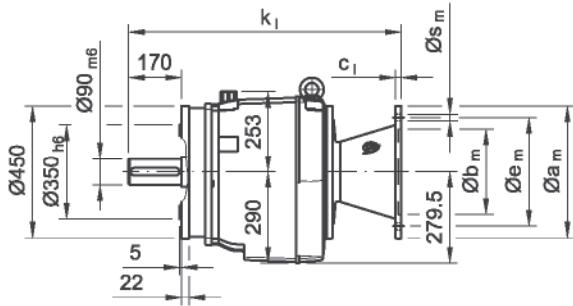
SIFA76C36B/C-I



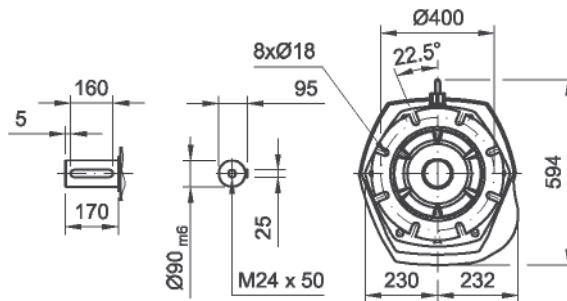
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k_l					822	822	822	822	887	887	979	979	1004	1034	1034	1045	1045	1045	
c_l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øb_m	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øe_m	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øa_m	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øs_m	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	8x Ø17.5						
k_c	979	979	979	979	979	979	1042	1042											



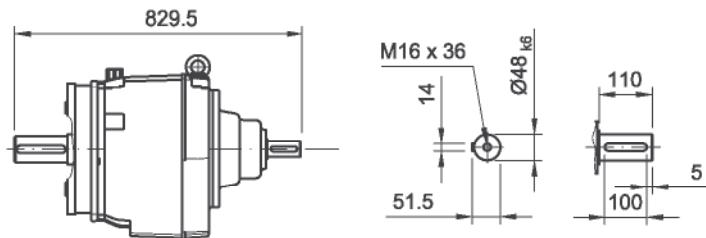
4. SI4

SICE76B/C-U
100 - 280

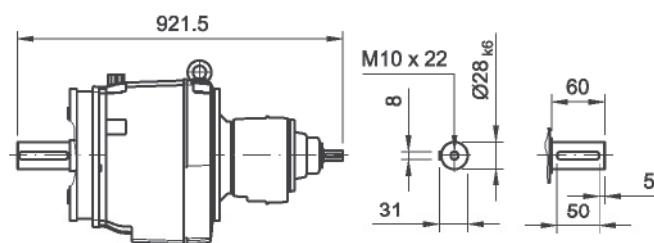
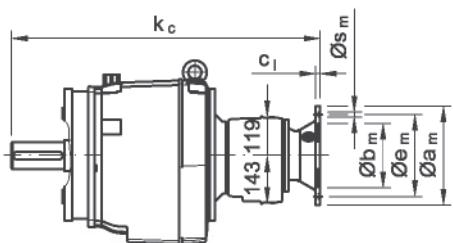
SICE76..



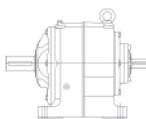
SICE76B/C-I

SICE76C36B/C-U
71 - 132

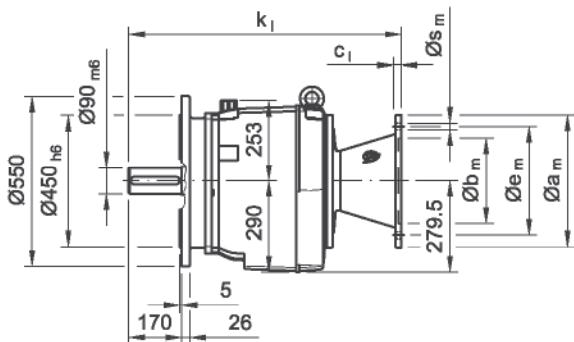
SICE76C36B/C-I



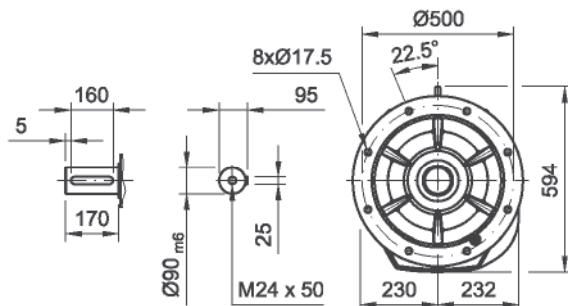
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kl					732	732	732	732	797	797	889	889	914	944	944	955	955	955	
cl	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xØ16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	889	889	889	889	889	889	952	952											



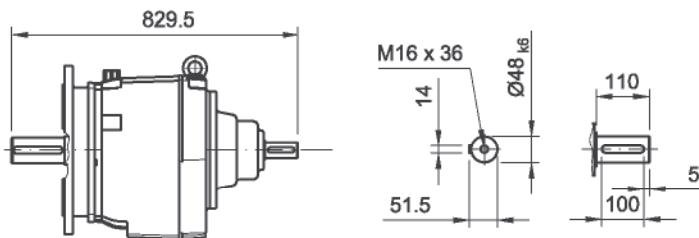
SICD76B/C-U
100 - 280



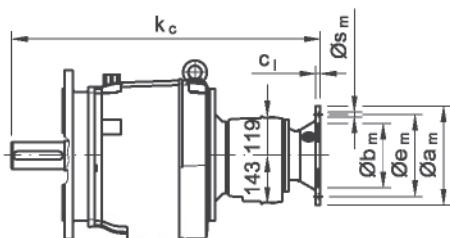
SICD76..



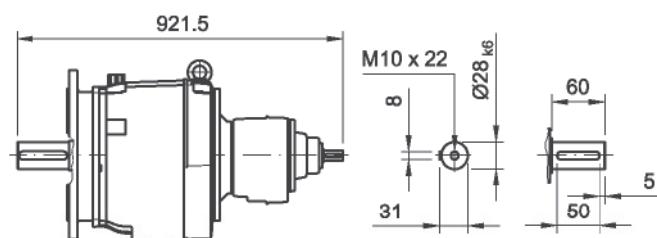
SICD76B/C-I



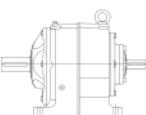
SICD76C36B/C-U
71 - 132



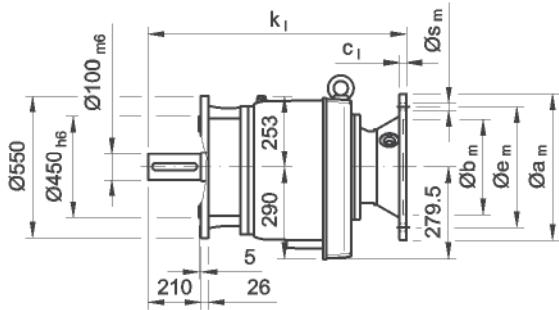
SICD76C36B/C-I



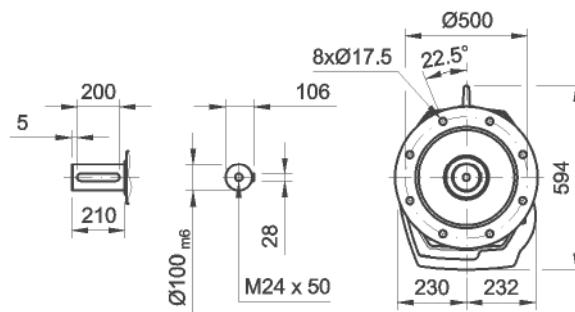
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					732	732	732	732	797	797	889	889	914	944	944	955	955	955	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	8x Ø17.5						
kc	889	889	889	889	889	889	952	952											



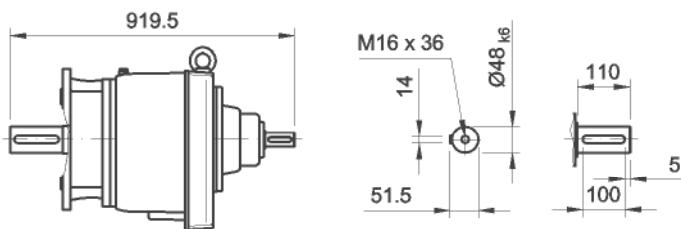
4. SI4

SICM76B/C-U
100 - 280

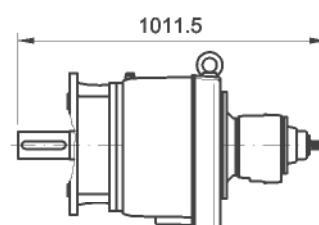
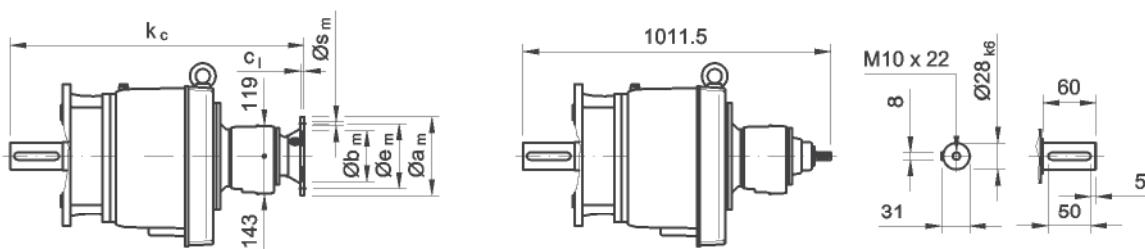
SICM76..



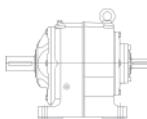
SICM76B/C-I

SICM76C36B/C-U
71 - 132

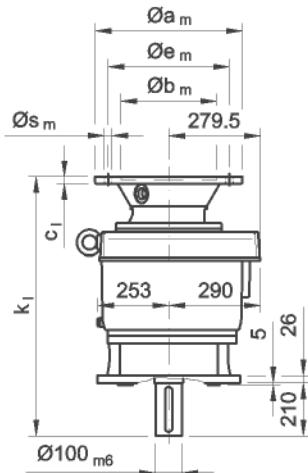
SICM76C36B/C-I



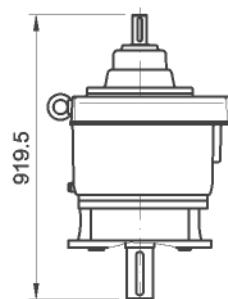
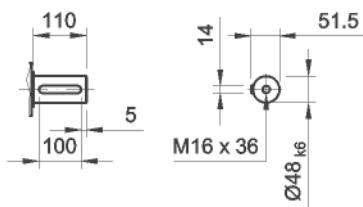
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					822	822	822	822	887	887	979	979	1004	1034	1034	1045	1045	1045	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	979	979	979	979	979	979	1042	1042											



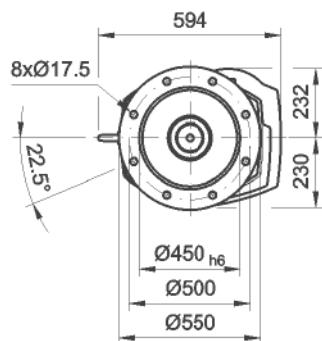
SICA76B/C-U
100 - 280



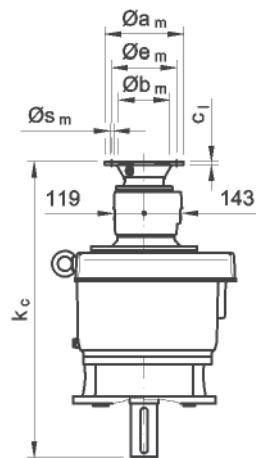
SICA76B/C-I



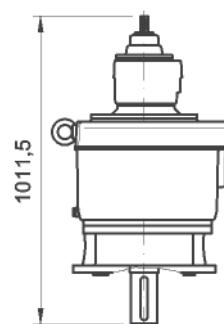
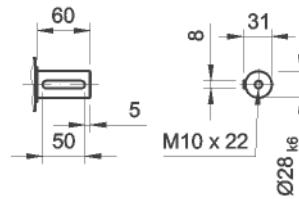
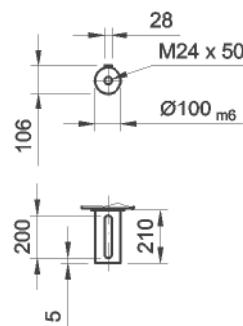
SICA76..



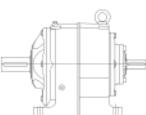
SICA76C36B/C-U
72 - 132



SICA76C36B/C-I



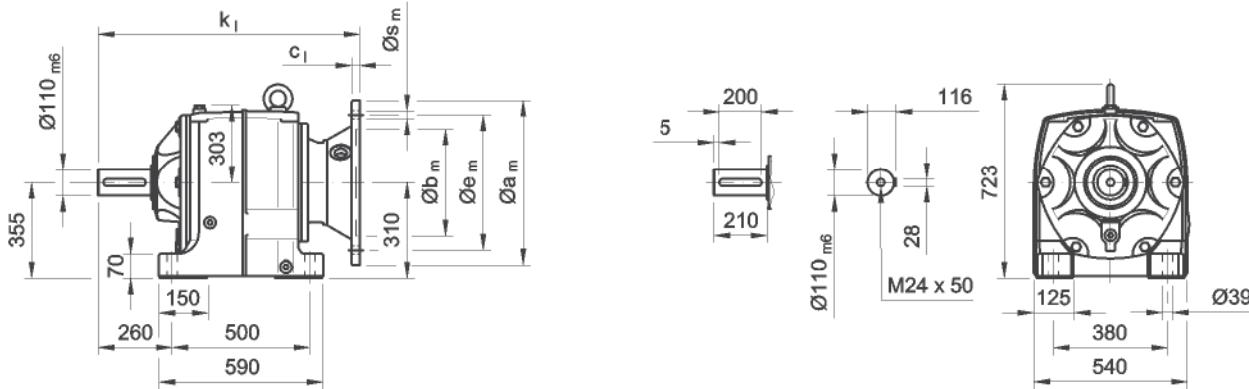
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k_l					822	822	822	822	887	887	979	979	1004	1034	1034	1045	1045	1045	
c_l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Ø_{bm}	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Ø_{em}	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Ø_{am}	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Ø_{sm}	4M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	8x Ø17.5						
k_c	979	979	979	979	979	979	1042	1042											



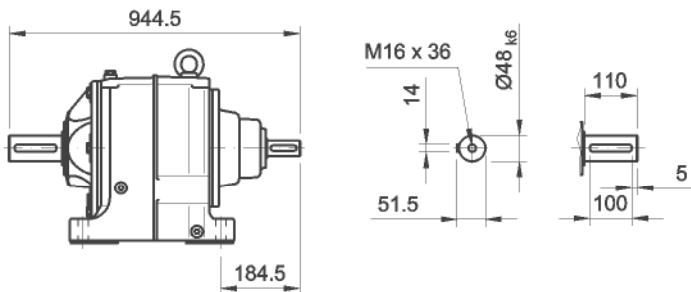
4. SI4

SIFN86B/C-U
100 - 280

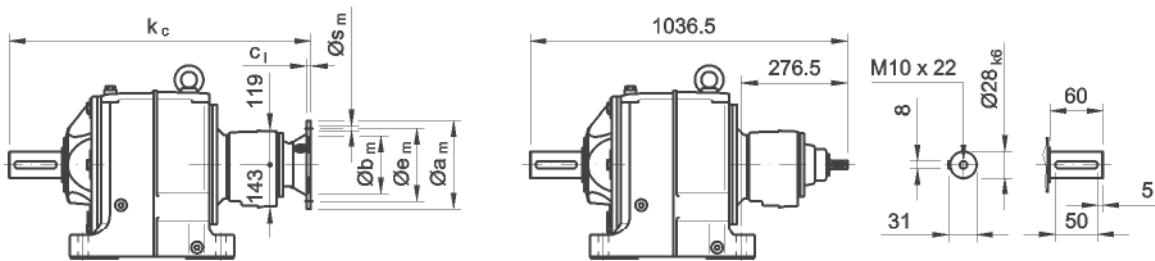
SIFN86..



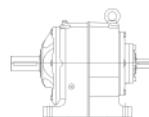
SIFN86B/C-I

SIFN86C36B/C-U
71 - 132

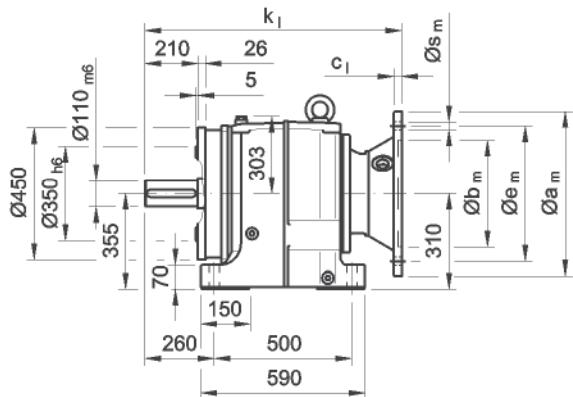
SIFN86C36B/C-I



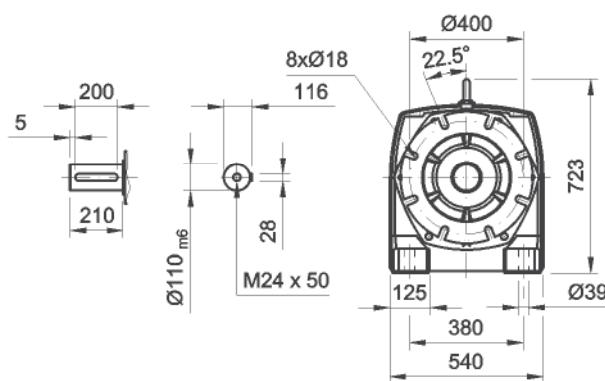
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	226S	260M	280S	280M	
k _l					847	847	847	847	912	912	1004	1004	1029	1059	1059	1070	1070	1070	
c _l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øb _m	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øe _m	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øa _m	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
k _c	1004	1004	1004	1004	1004	1004	1067	1067											



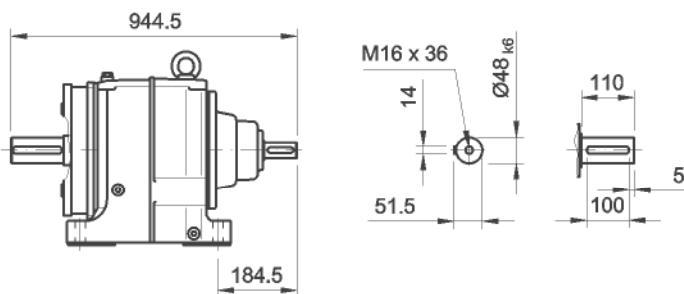
SIFE86B/C-U
100 - 280



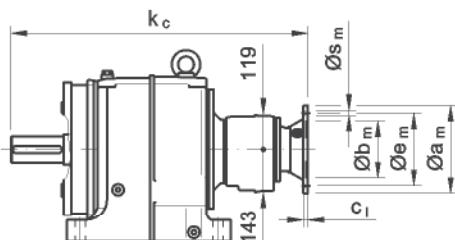
SIFE86..



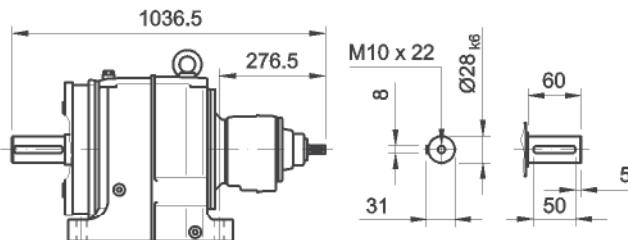
SIFE86B/C-I



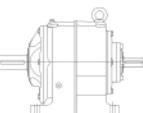
SIFE86C36B/C-U
71 - 132



SIFE86C36B/C-I

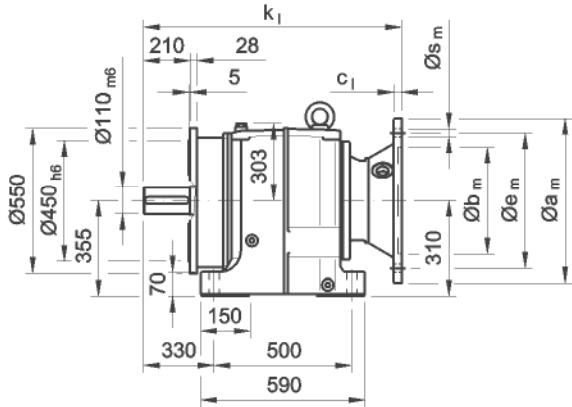


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kl					847	847	847	847	912	912	1004	1004	1029	1059	1059	1070	1070	1070	
cl	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	1004	1004	1004	1004	1004	1004	1067	1067											

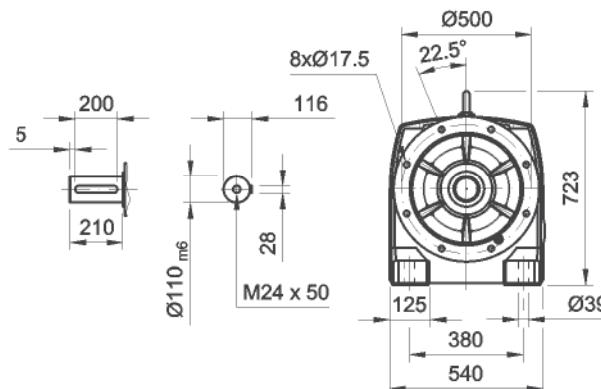


4. SI4

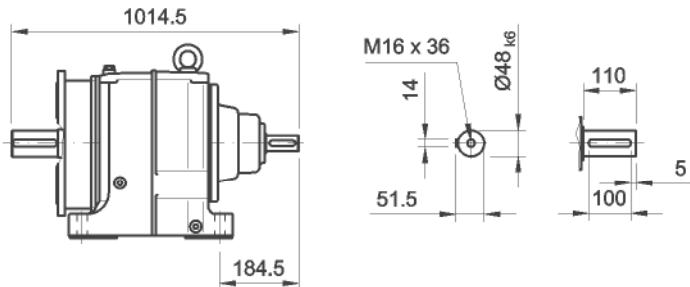
SIFD86B/C-U
100 - 280



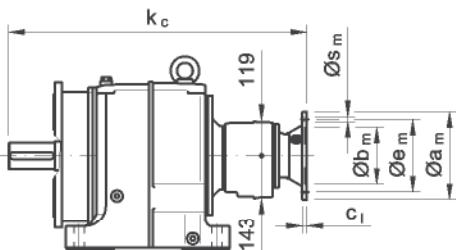
SIFD86..



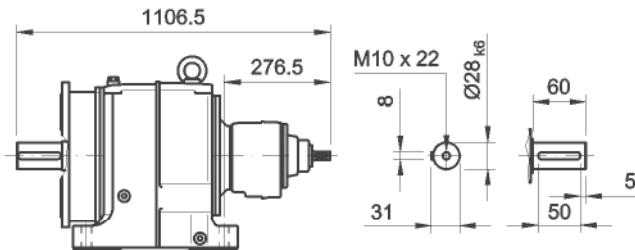
SIFD86B/C-I



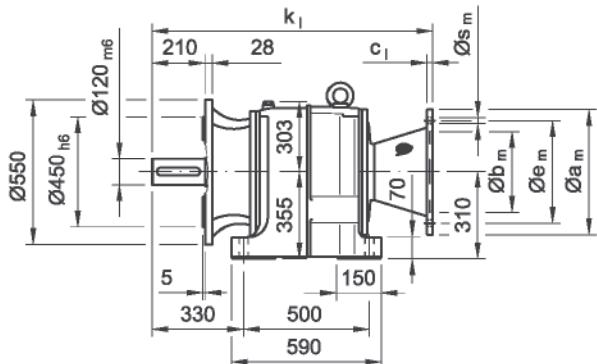
SIFD86C36B/C-U
71 - 132



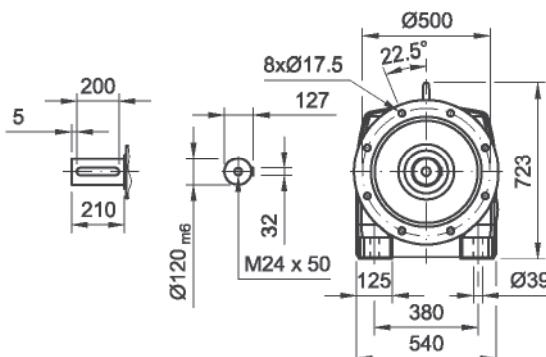
SIFD86C36B/C-I



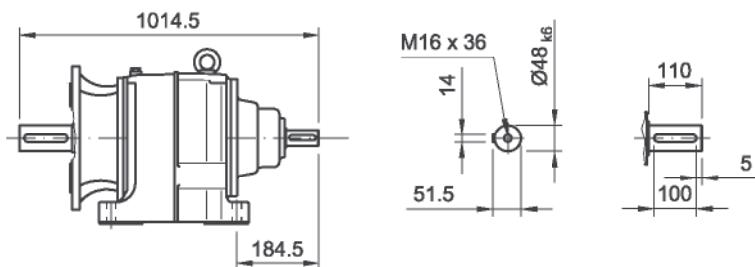
SIFM86B/C-U
100 - 280



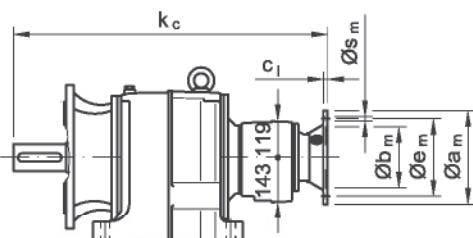
SIFM86..



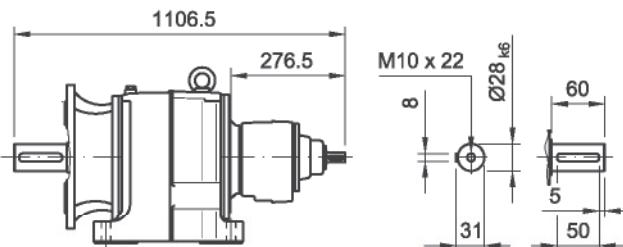
SIFM86B/C-I

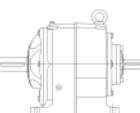


SIFM86C36B/C-U
71 - 132

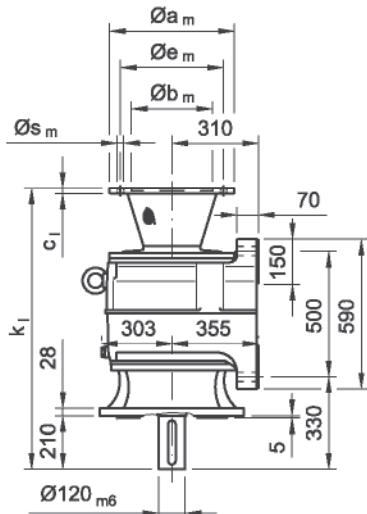
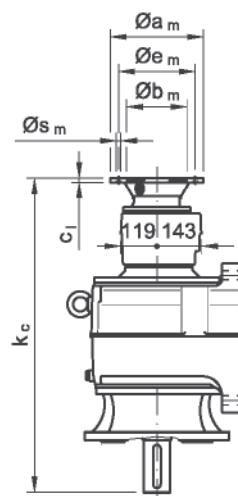


SIFM86C36B/C-I

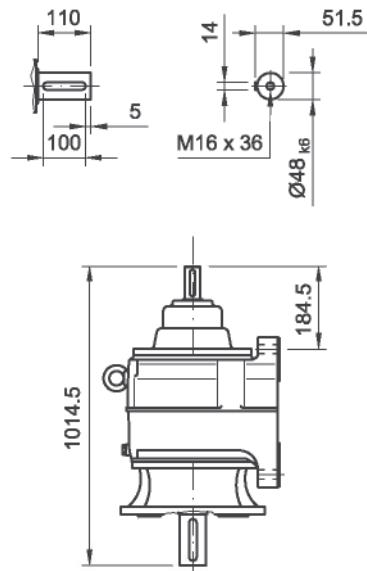




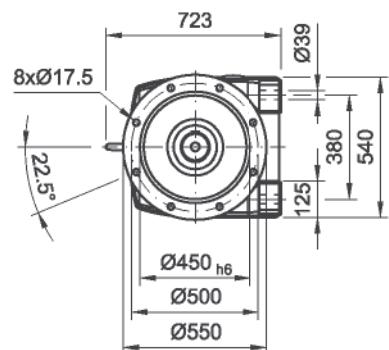
4. SI4

SIFA86B/C-U
100 - 280SIFA86C36B/C-U
72 - 132

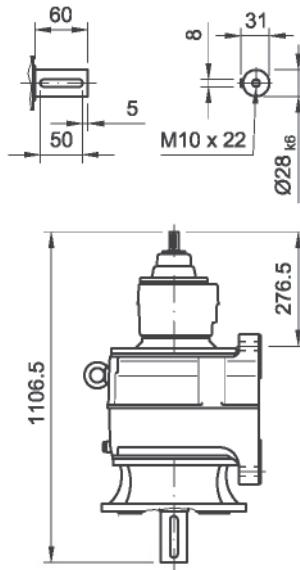
SIFA86B/C-I



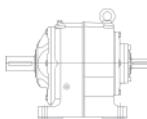
SIFA86..



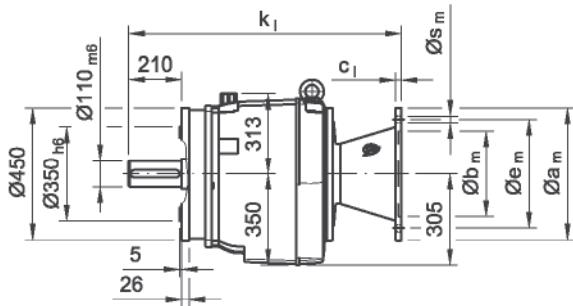
SIFA86C36B/C-I



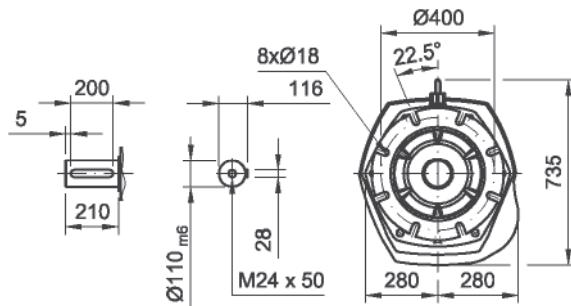
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M		
k_l					917	917	917	917	982	982	1074	1074	1099	1129	1129	1140	1140	1140		
c_l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25		
Øb_m	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7		
Øe_m	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500		
Øa_m	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550		
Øs_m	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	8x Ø17.5										
k_c	1074	1074	1074	1074	1074	1074	1137	1137												



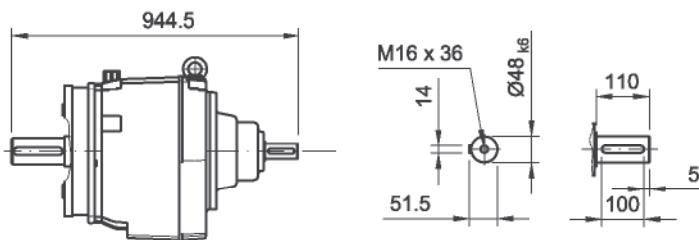
SICE86B/C-U
100 - 280



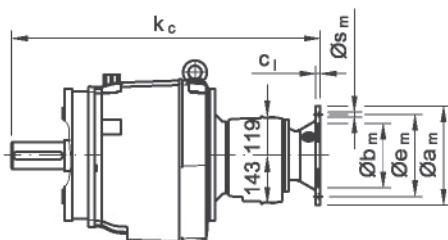
SICE86..



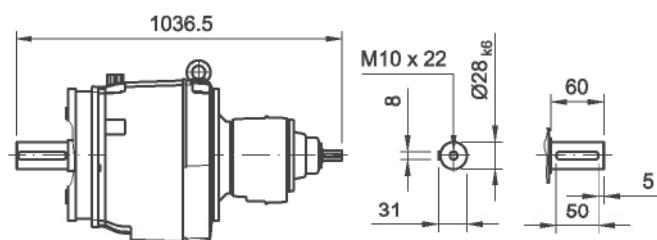
SICE86B/C-I



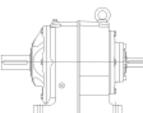
SICE86C36B/C-U
71 - 132



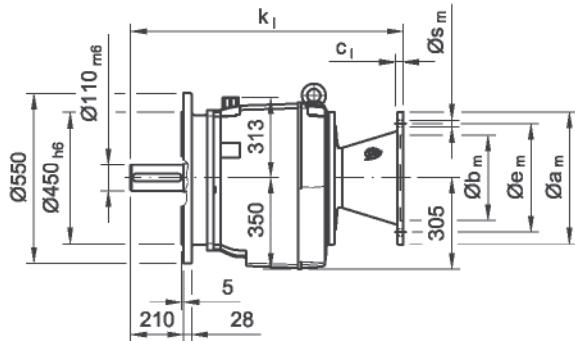
SICE86C36B/C-I



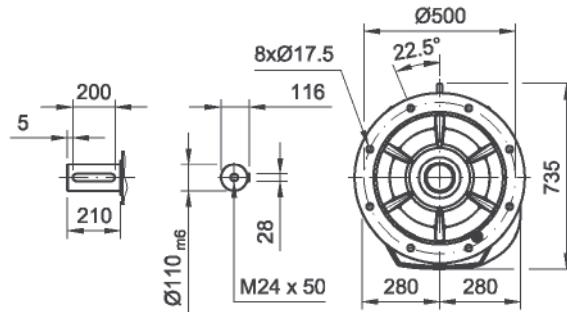
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kl					847	847	847	847	912	912	1004	1004	1029	1059	1059	1070	1070	1070	
cl	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	1004	1004	1004	1004	1004	1004	1067	1067											



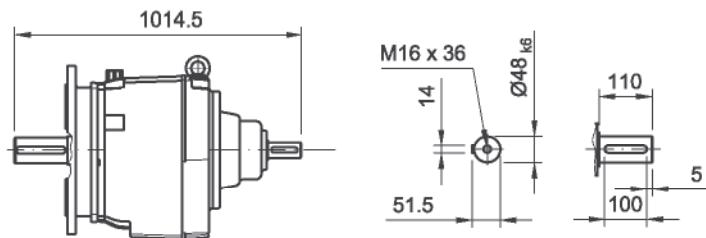
4. SI4

SICD86B/C-U
100 - 280

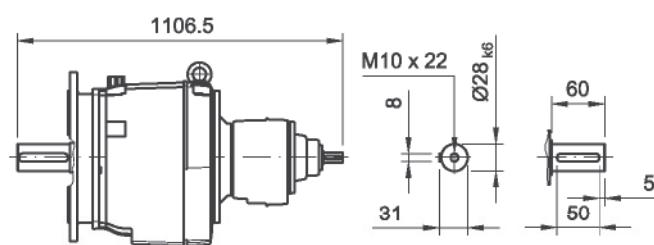
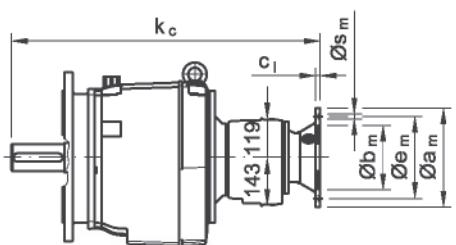
SICD86..



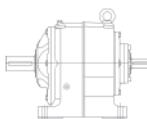
SICD86B/C-I

SICD86C36B/C-U
71 - 132

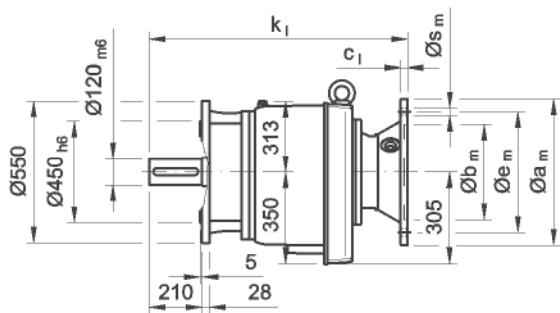
SICD86C36B/C-I



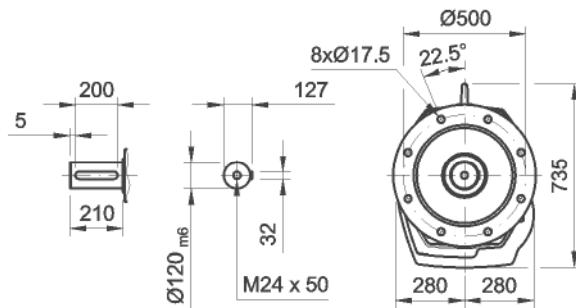
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kl					917	917	917	917	982	982	1074	1074	1099	1129	1129	1140	1140	1140	
cl	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xØ8x16	4xØ11	4xØ11	4xØ11	4xØ13.5	4xØ13.5	4xØ13.5	4xØ13.5	4xØ17.5	4xØ17.5	4xØ17.5	4xØ17.5	4xØ17.5	8xØ17.5	8xØ17.5	8xØ17.5	8xØ17.5	8xØ17.5	
kc	1074	1074	1074	1074	1074	1074	1137	1137											



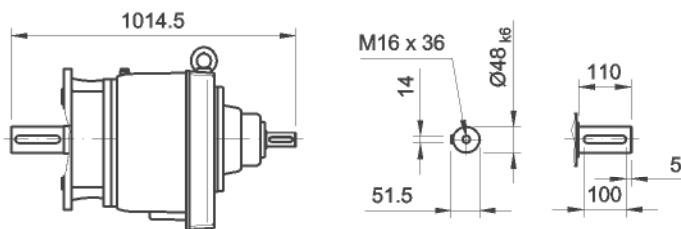
SICM86B/C-U
100 - 280



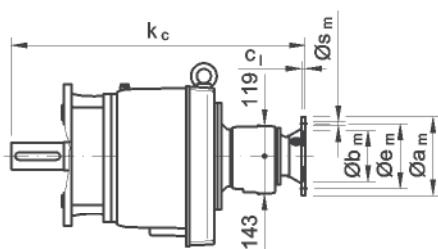
SICM86..



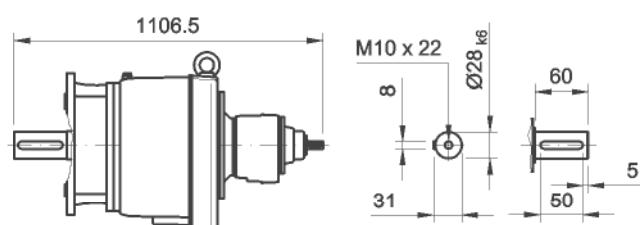
SICM86B/C-I



SICM86C36B/C-U
71 - 132

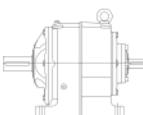


SICM86C36B/C-I

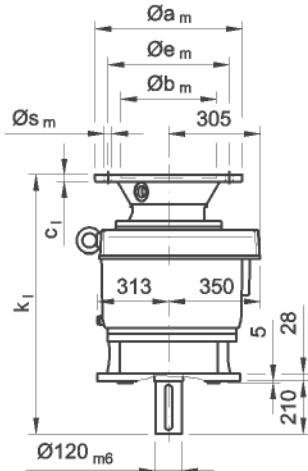


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					917	917	917	917	982	982	1074	1074	1099	1129	1129	1140	1140	1140	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x Ø8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	1074	1074	1074	1074	1074	1074	1137	1137											

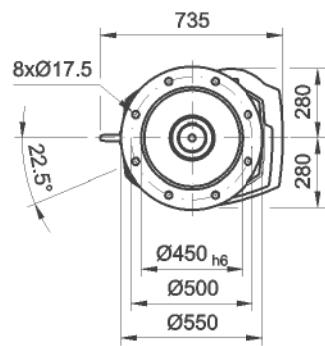
4. SI4



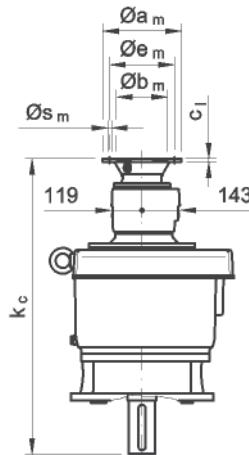
SICA86B/C-U
100 - 280



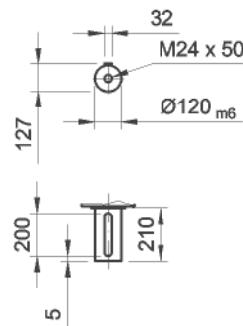
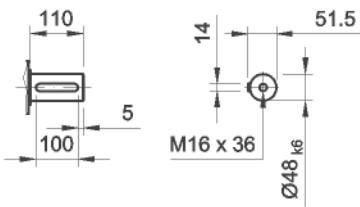
SICA86..



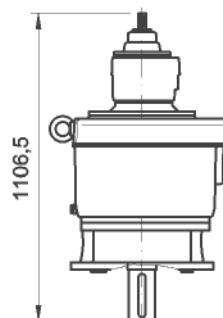
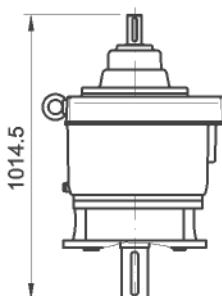
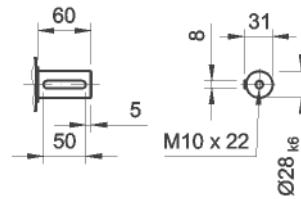
SICA86C36B/C-U
72 - 132



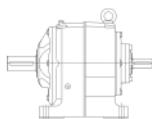
SICA86B/C-I



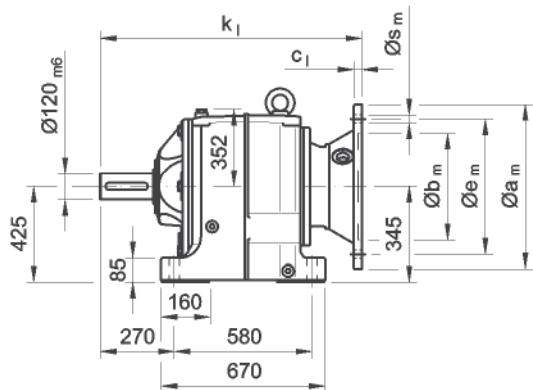
SICA86C36B/C-I



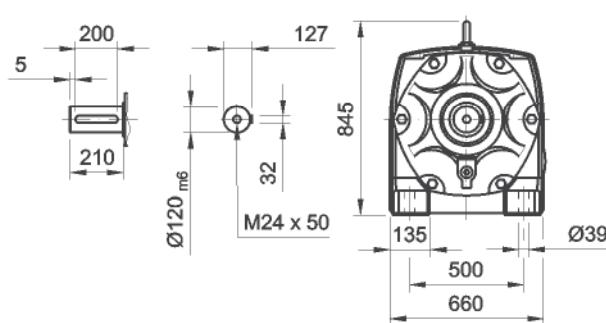
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	226S	260M	280S	280M	
k_l					917	917	917	917	982	982	1074	1074	1099	1129	1129	1140	1140	1140	
c_l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øb_m	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øe_m	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øa_m	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øs_m	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	8x Ø17.5									
k_c	1074	1074	1074	1074	1074	1074	1137	1137											



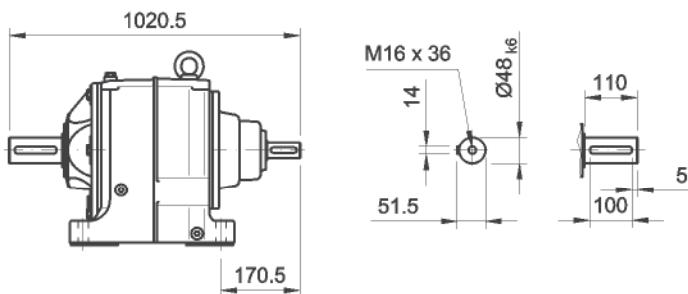
SIFN96B/C-U
100 - 280



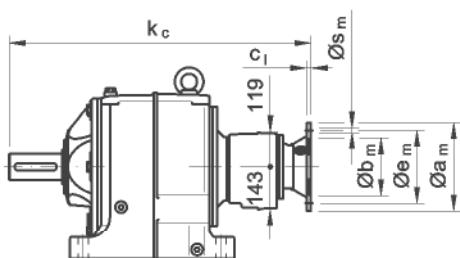
SIFN96..



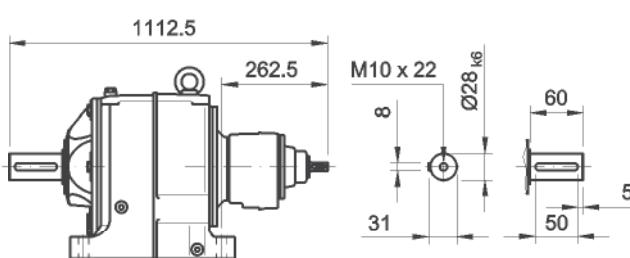
SIFN96B/C-I



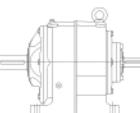
SIFN96C36B/C-U
71 - 132



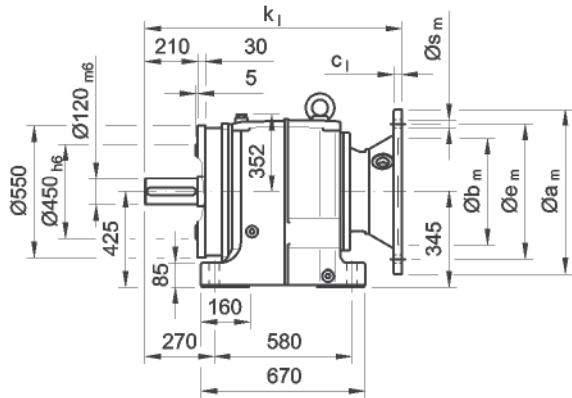
SIFN96C36B/C-I



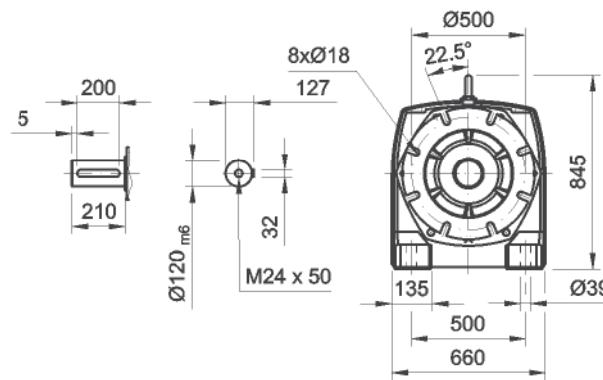
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	260M	280S	280M	
k1					923	923	923	923	988	988	1080	1080	1105	1135	1135	1146	1146	1146	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	1080	1080	1080	1080	1080	1080	1143	1143											



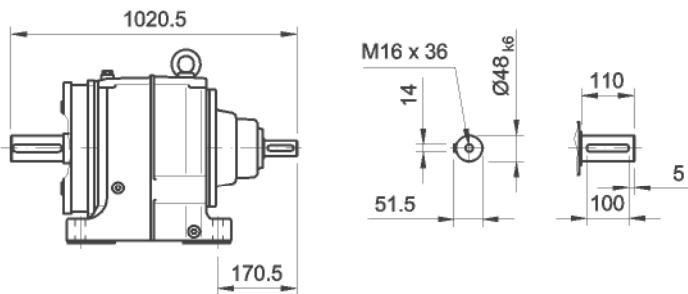
4. SI4

SIFE96B/C-U
100 - 280

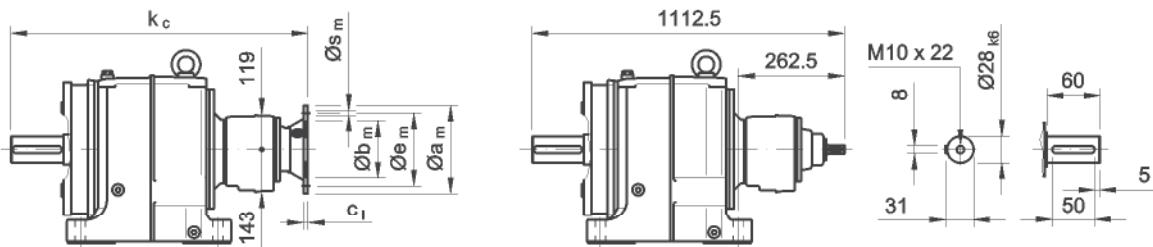
SIFE96..



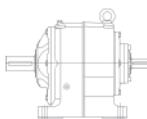
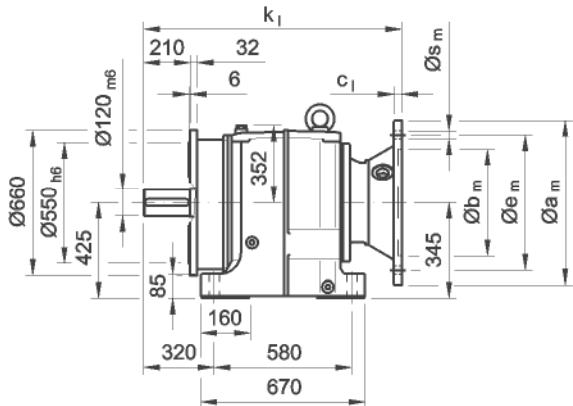
SIFE96B/C-I

SIFE96C36B/C-U
71 - 132

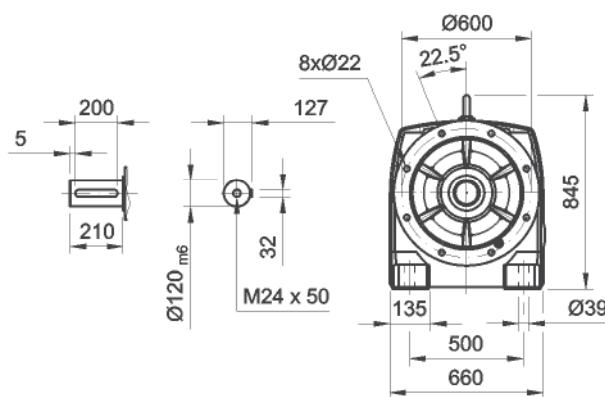
SIFE96C36B/C-I



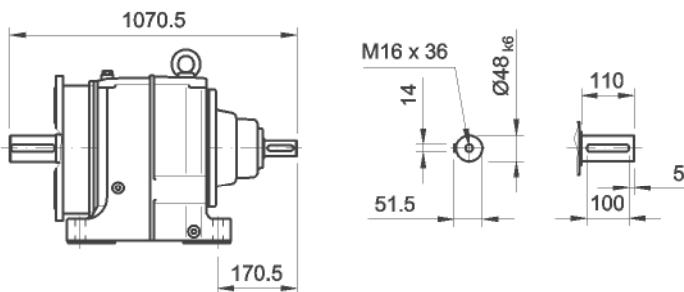
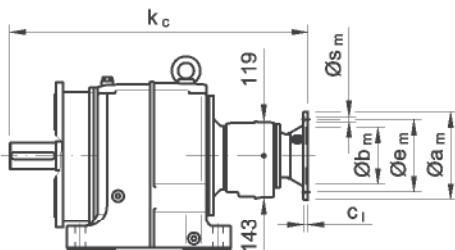
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					923	923	923	923	988	988	1080	1080	1105	1135	1135	1146	1146	1146	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	1080	1080	1080	1080	1080	1080	1143	1143											

SIFD96B/C-U
100 - 280

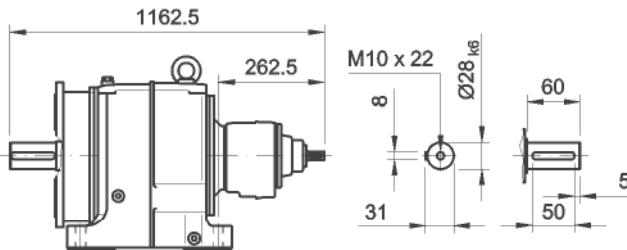
SIFD96..



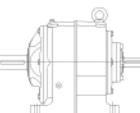
SIFD96B/C-I

SIFD96C36B/C-U
71 - 132

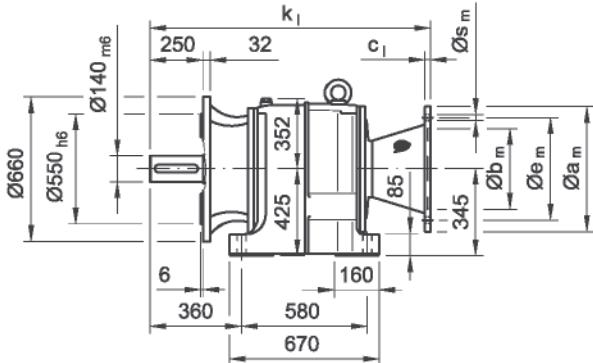
SIFD96C36B/C-I



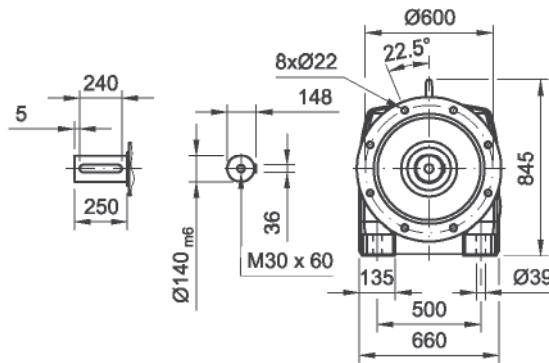
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					973	973	973	973	1038	1038	1130	1130	1155	1185	1185	1196	1196	1196	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xØ16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
k2	1130	1130	1130	1130	1130	1130	1193	1193											



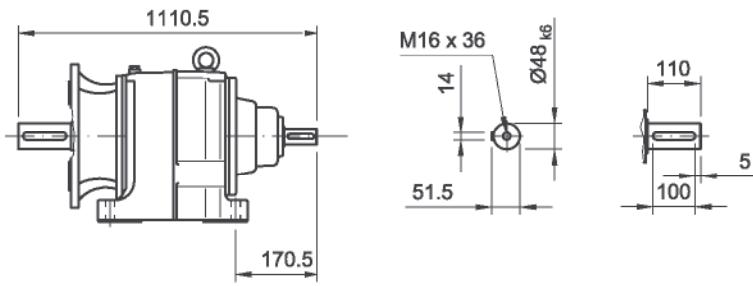
4. SI4

SIFM96B/C-U
100 - 280

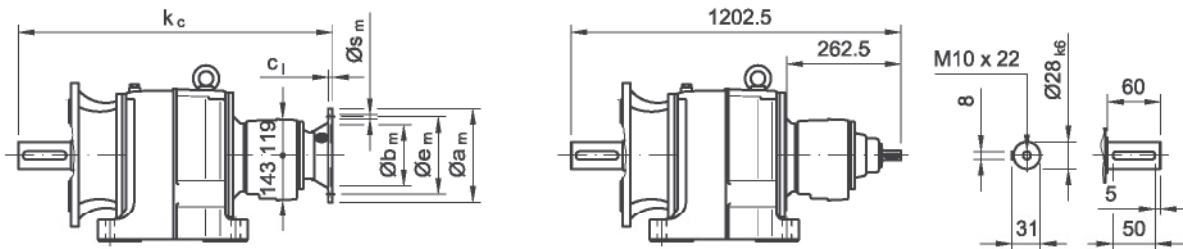
SIFM96..



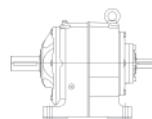
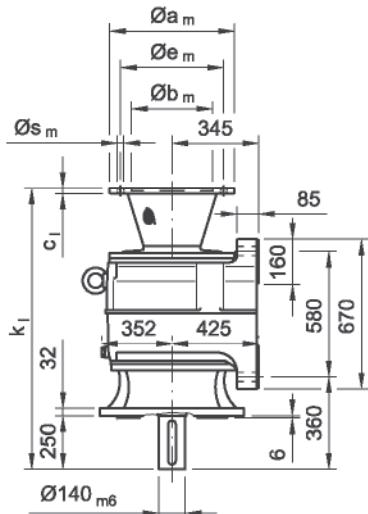
SIFM96B/C-I

SIFM96C36B/C-U
71 - 132

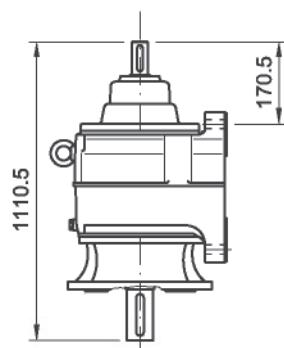
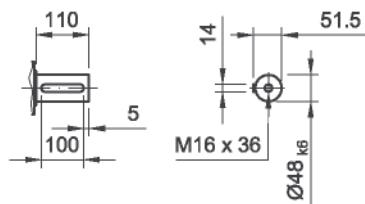
SIFM96C36B/C-I



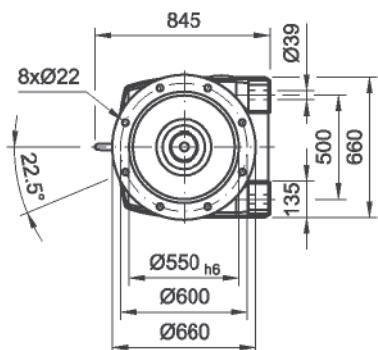
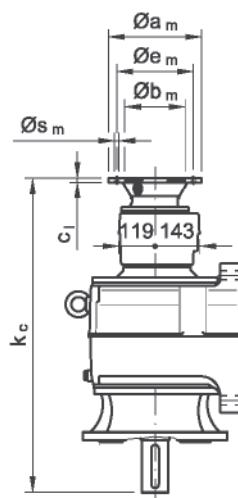
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kl					1013	1013	1013	1013	1078	1078	1170	1170	1195	1225	1225	1236	1236	1236	
cl	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	1170	1170	1170	1170	1170	1170	1233	1233											

SIFA96B/C-U
100 - 280

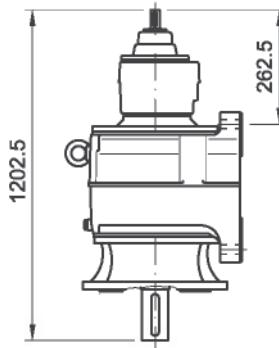
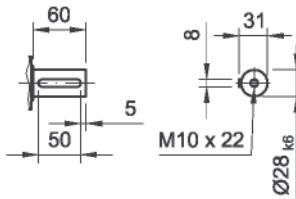
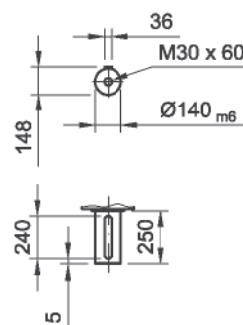
SIFA96B/C-I



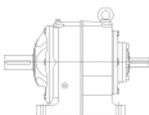
SIFA96..

SIFA96C36B/C-U
72 - 132

SIFA96C36B/C-I

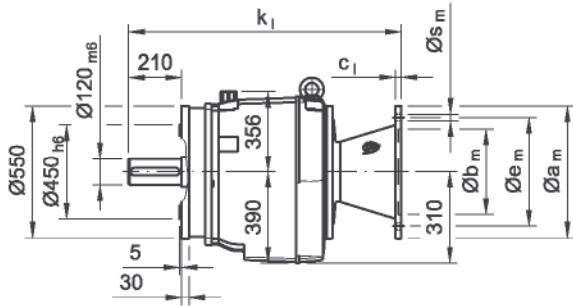


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k _l					1013	1013	1013	1013	1078	1078	1170	1170	1195	1225	1225	1236	1236	1236	
c _l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Ø _{bm}	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Ø _{em}	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Ø _{am}	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Ø _{sm}	4xM8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	4x Ø17.5	8x Ø17.5						
k _c	1170	1170	1170	1170	1170	1170	1233	1233											

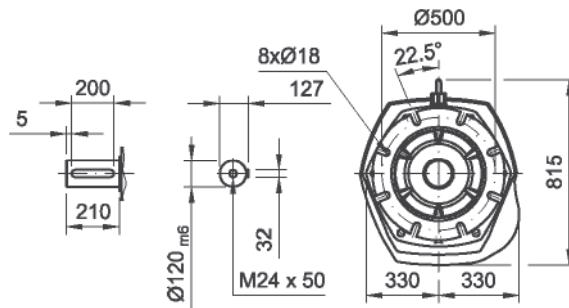


4. SI4

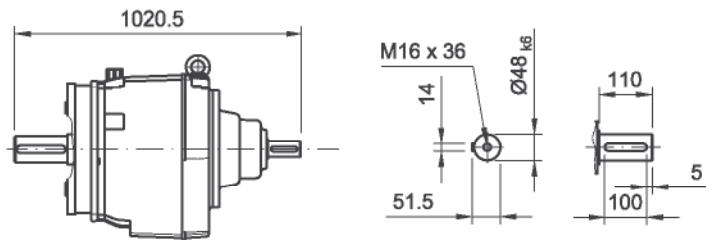
SICE96B/C-U
100 - 280



SICE96..

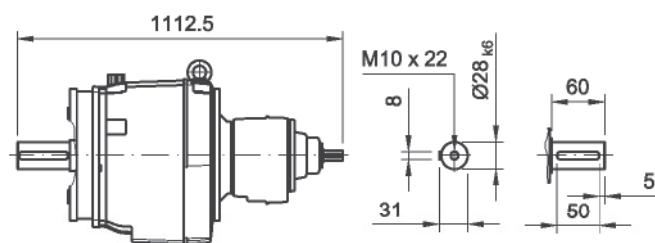
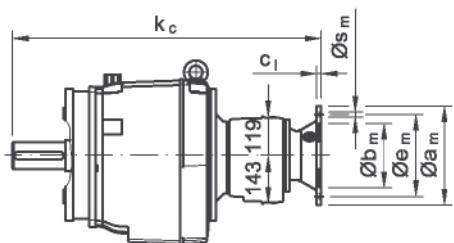


SICE96B/C-I

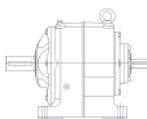


SICE96C36B/C-U
71 - 132

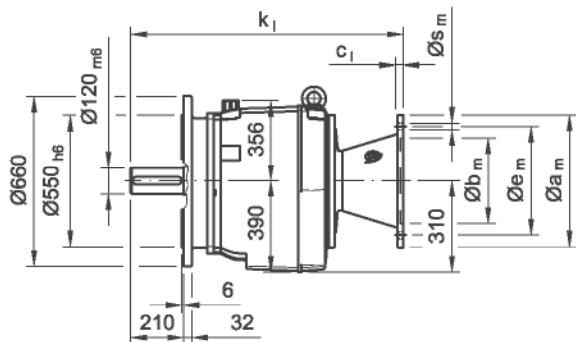
SICE96C36B/C-I



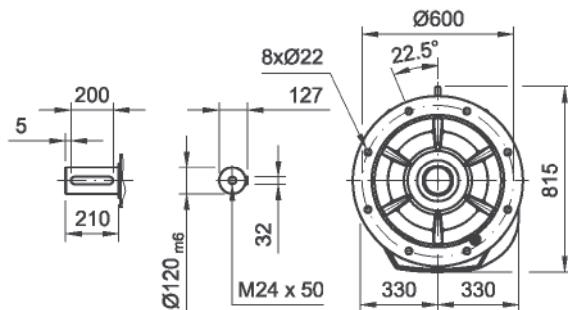
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k_l					923	923	923	923	988	988	1080	1080	1105	1135	1135	1146	1146	1146	
c_l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Ø_{bm}	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Ø_{em}	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Ø_{am}	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Ø_{sm}	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
k_c	1080	1080	1080	1080	1080	1080	1143	1143											



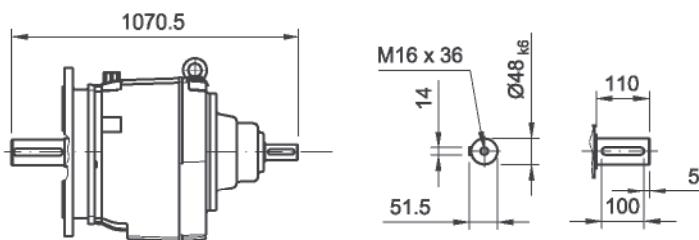
SICD96B/C-U
100 - 280



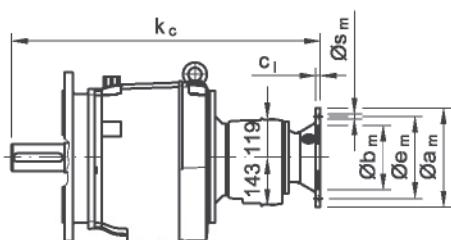
SICD96..



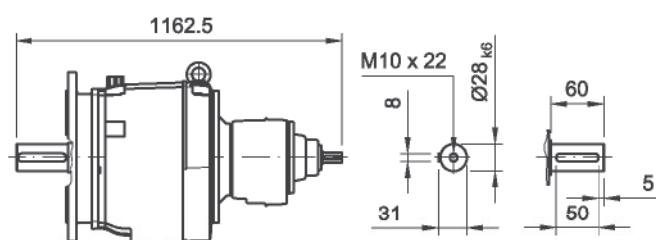
SICD96B/C-I



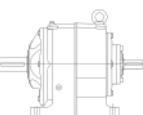
SICD96C36B/C-U
71 - 132



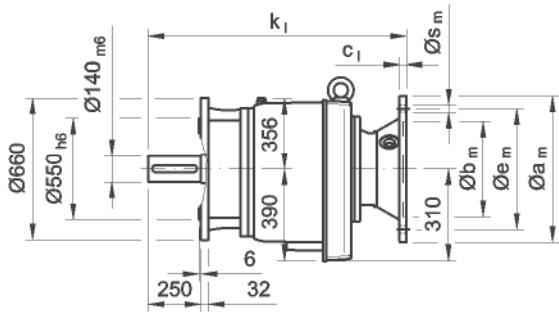
SICD96C36B/C-I



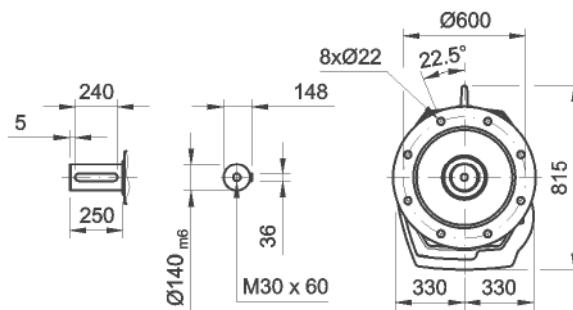
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					973	973	973	973	1038	1038	1130	1130	1155	1185	1185	1196	1196	1196	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xØ8x16	4xØ11	4xØ11	4xØ11	4xØ13,5	4xØ13,5	4xØ13,5	4xØ13,5	4xØ17,5	4xØ17,5	4xØ17,5	4xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	
k2	1130	1130	1130	1130	1130	1130	1193	1193											



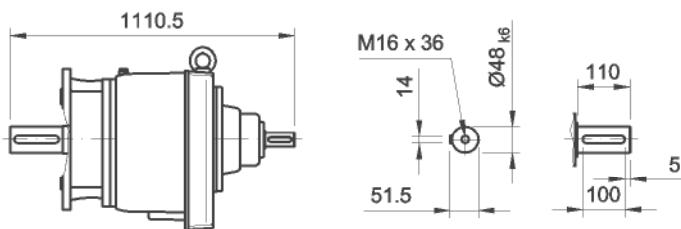
4. SI4

SICM96B/C-U
100 - 280

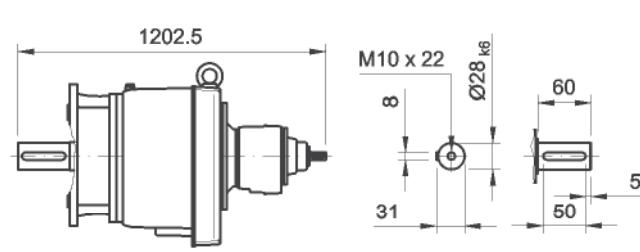
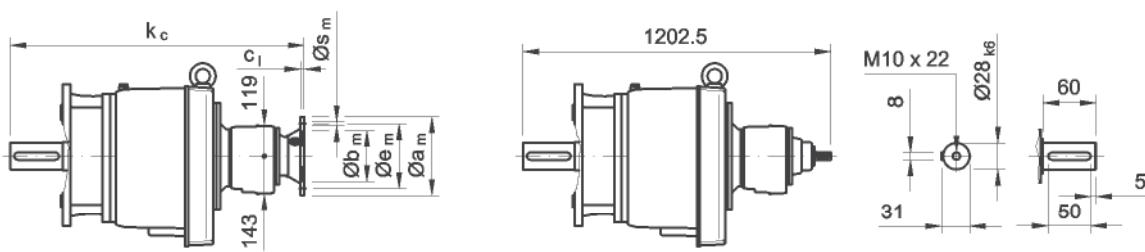
SICM96..



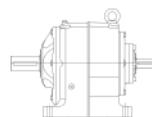
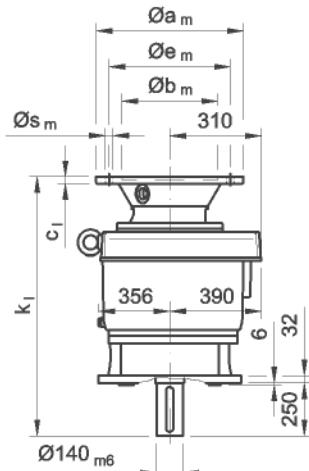
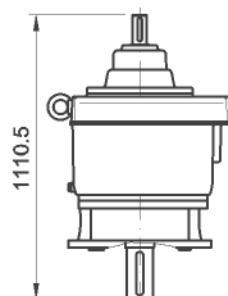
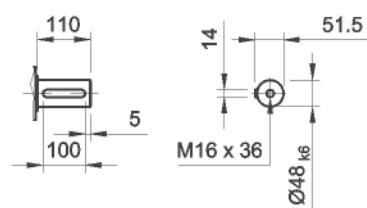
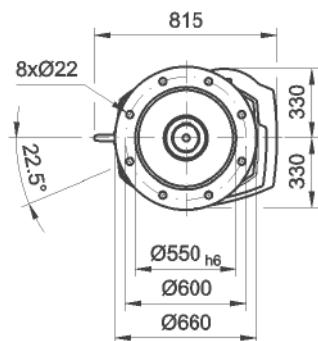
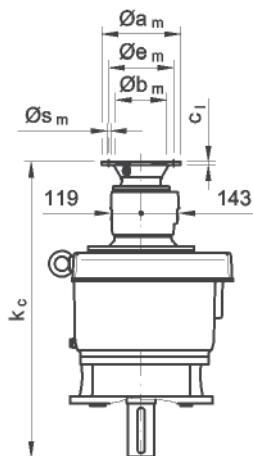
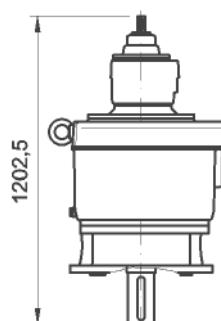
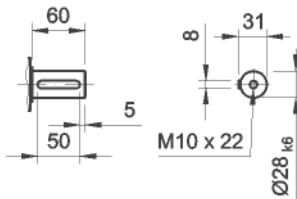
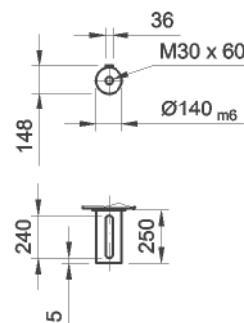
SICM96B/C-I

SICM96C36B/C-U
71 - 132

SICM96C36B/C-I



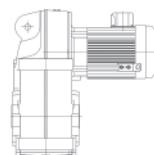
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kl					1013	1013	1013	1013	1078	1078	1170	1170	1195	1225	1225	1236	1236	1236	
cl	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xØ8x16	4xØ11	4xØ11	4xØ11	4xØ135	4xØ13,5	4xØ13,5	4xØ13,5	4xØ17,5	4xØ17,5	4xØ17,5	4xØ17,5	4xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	
kc	1170	1170	1170	1170	1170	1170	1233	1233											


SICA96C-U
100 - 280
**SICA96C-I****SICA96..**
SICA96C36B/C-U
72 - 132
**SICA96C36B/C-I**

	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	260M	280S	280M	
k_l					1013	1013	1013	1013	1078	1078	1170	1170	1195	1225	1225	1236	1236	1236	
c_l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Ø_{bm}	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Ø_{em}	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Ø_{am}	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Ø_{sm}	4M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
k_c	1170	1170	1170	1170	1170	1170	1233	1233											

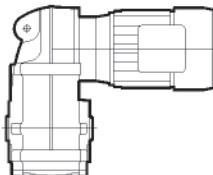
4. SI4

Notizen / Notice / Notes:



5 SP4 Parallel shaft

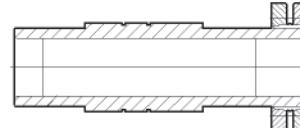
5.1 Version variants for SP4 parallel shaft helical geared motors

**SPZH**

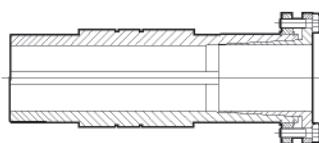
Shaft-mounted version
Basic version with hollow shaft

**SP.H**

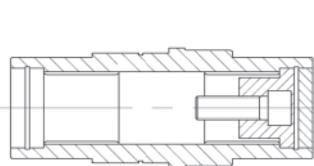
Hollow shaft with keyway

**SP.S**

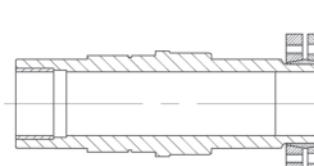
Hollow shaft with shrink disc

**SP.B**

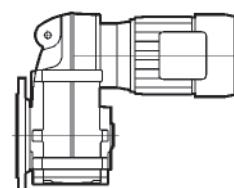
Hollow shaft with conical
clamp sleeve

**SP.T**

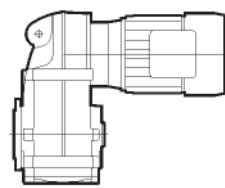
Hollow spline shaft

**SP.C**

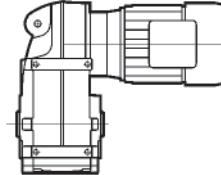
Hollow shaft with shrink disc and
bronze bushing

**SPFH**

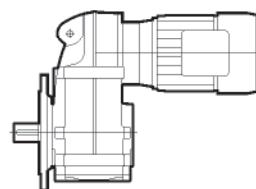
B5 flange version with hollow shaft

**SPTH**

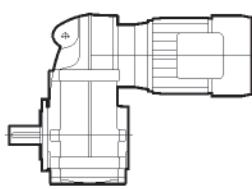
B14 flange version with hollow shaft

**SPZH..FL**

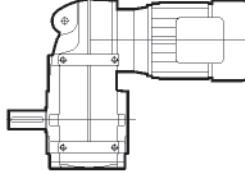
Foot mounting with hollow shaft

**SPFN**

B5 flange version with solid shaft

**SPTN**

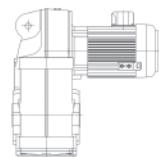
B14 flange version with solid shaft

**SPZN..F**

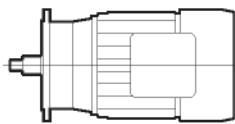
Foot mounting with solid shaft



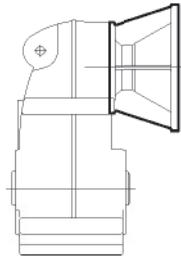
5. SP4



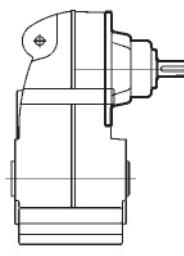
Versions on the drive end



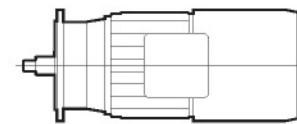
Integral motor



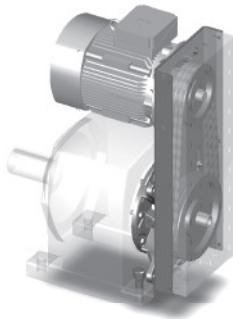
Lantern for IEC standard motors



Gear unit with free input shaft



Integrated brake motor

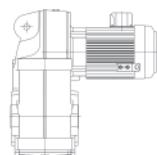


- M

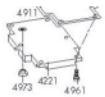
Motor base version for V-belt drive,
motor mounting position IM B5 (schematic drawing)

Overview

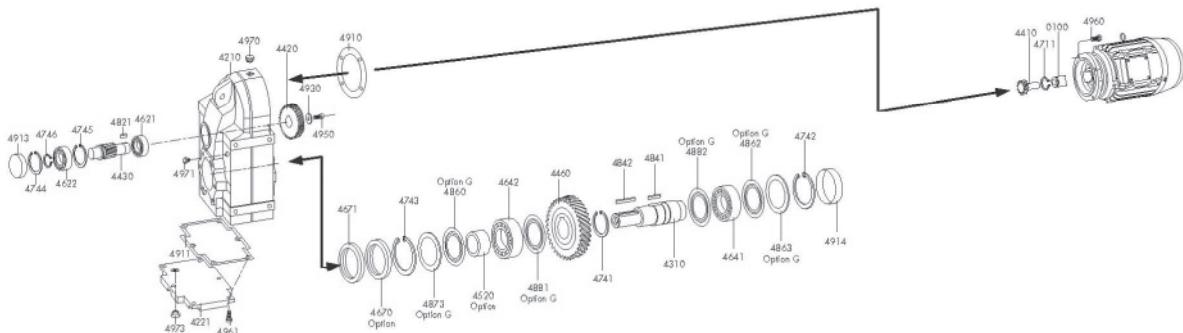
	8 sizes							
	1	2	3	4	5	6	7	8
T2m (Nm)	200	420	850	1700	3000	5400	9000	15000
Pm (kW)	0.12 to 90 kW							
i	3.15 ... 100 			35.5 ... 315 			100 ... 30000 combined	



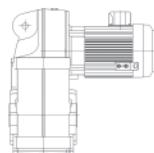
5.2 Principle design of parallel shaft helical geared motors



- The following illustration shows the principle design of a parallel shaft helical geared motor. It is intended as a reference aid to the individual parts lists. Variations depending on the gear unit size and version are possible.



Item no.	Description
0100	Motor
4210	Casing
4221	Cover
4310	Output shaft
4410	Pinion
4420	Gear wheel
4430	Pinion shaft
4460	Gear wheel
4520 / 4521	Bush (option)
4621	Bearing
4622	Bearing
4641	Bearing
4642	Bearing
4671	Seal
4670	Seal
471. / 472. / 474.	Retaining ring
4811 / 4821 / 4831 / 484.	Feather key
486. / 487.	Support ring/shim ring
488.	Nilos ring
4910 / 4911	Gasket
4913	End cover
4914	End cover or protective cover for hollow shaft "H" (option)
493.	Washer
4950 / 496.	Screw
497.	Screw



5. SP4

5.3 Ordering information

Gear units with two and three stages

S	P	3	4	5	6	7	8	9	10	-	11	-	12	13
----------	----------	---	---	---	---	---	---	---	----	---	----	---	----	----

Gear units with more than 3 stages

S	P	3	4	5	6	7	25	26	27	8	9	10	11	12	13
----------	----------	---	---	---	---	---	----	----	----	---	---	----	----	----	----

3 Output flange

- Z No flange
F B5 flange
T B14 flange

9 Drive unit

- No designation: Integrated motor
U IEC flange motor
I I-latern
M Motor chair

4 Output shaft

- H Hollow shaft with keyway
N Solid shaft with keyway
S Hollow shaft with shrink-fit ring
B Hollow shaft with conical clamping sleeve
T Hollow shaft with splining
C Hollow shaft with shrink-fit ring and bronze bush

10 Accessories for gear units

- R Reversal lock on drive shaft (from gearbox size 3 and motor IEC 100)
Specify free direction of rotation
foot mounting
reinforced bearings

5 Size

1 - 2 - 3 - 4 - 5 - 6 - 7 - 8

11 Motor

6 Design index:

- 6 Metric version
7 Inch version

12 Shaft arrangement

- L Output shaft left
R Output shaft right
T Output shaft left and right

7 Number of stages

- B 2-stage
C 3-stage

13 Mounting positions

Only for gear units with more than 3 stages

8 Total gear ratio

25 Size preliminary stage gear unit

26 Design index prel.-stage gear unit

27 Number of stages prel.-stage gear unit

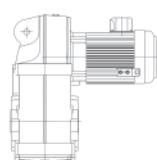
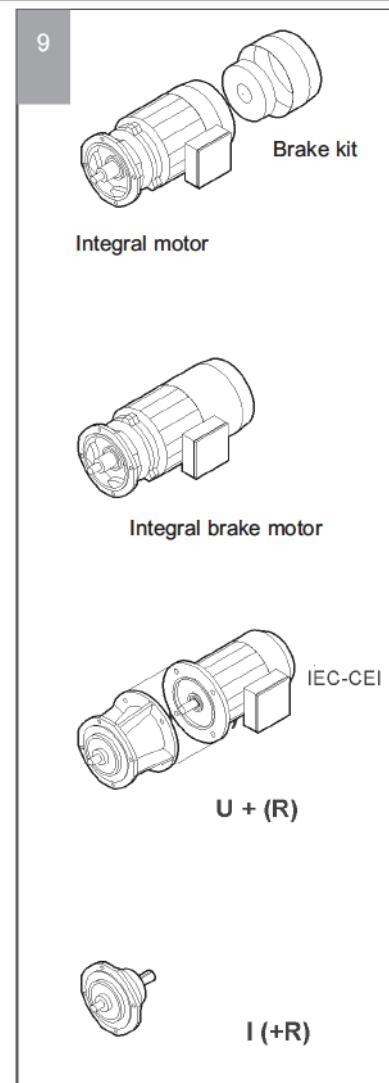
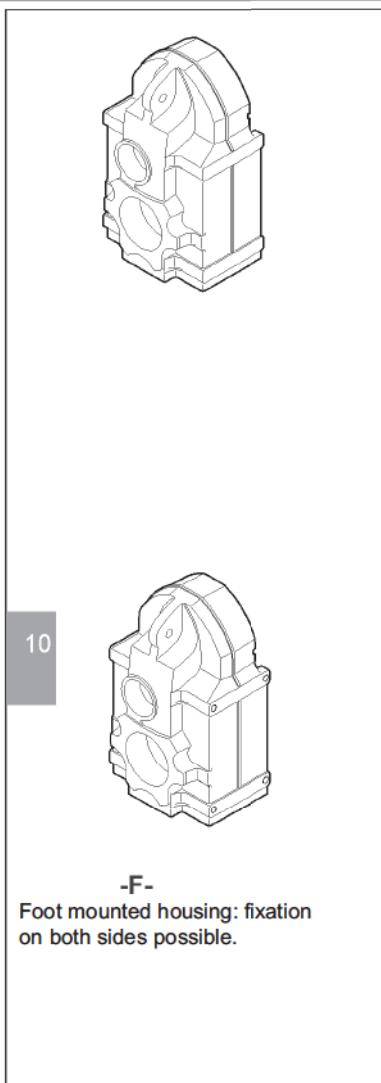
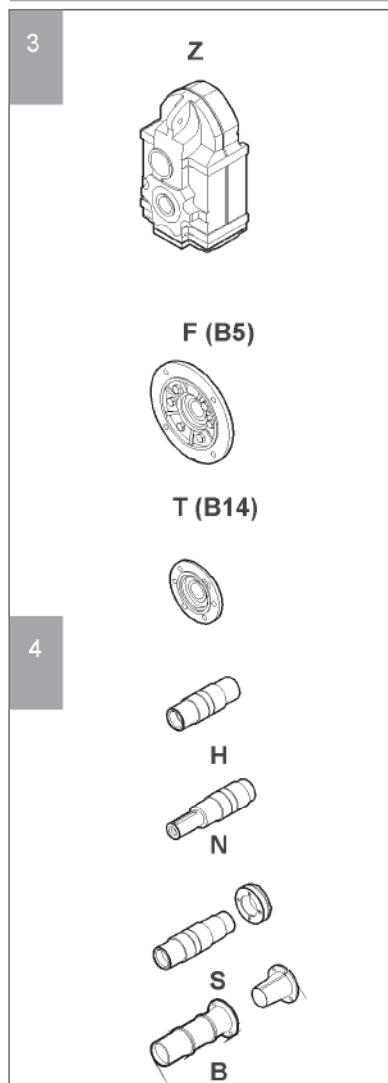
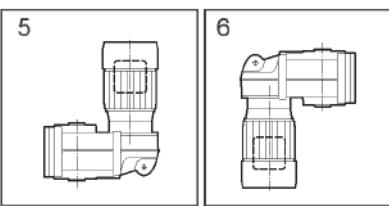
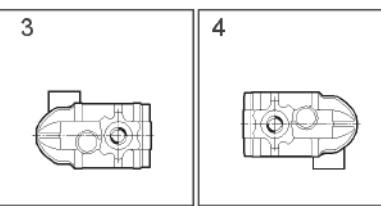
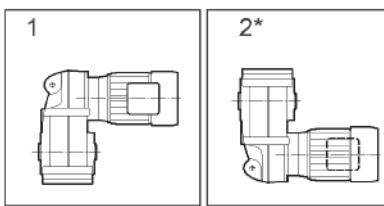
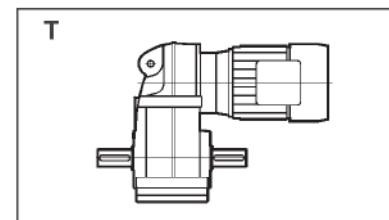
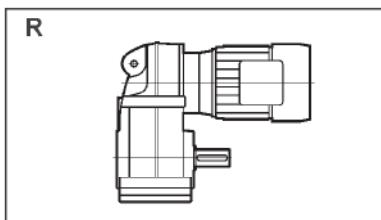
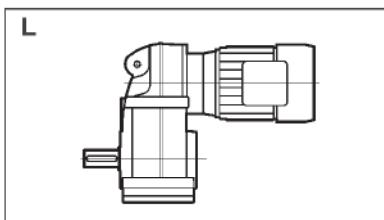
Example:

S	P	3	4	N	5	6	6	7	B	8	25	9	10	11	12	13
----------	----------	---	---	---	---	---	---	---	---	---	----	---	----	----	----	----

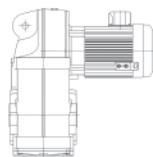
SP casing, no flange, solid shaft, size 3, design index 6, 2-stage, gear ratio i = 1/25,
Rexnord-Stephan integral motor size 112, shaft arrangement left, mounting position 1

S	P	3	4	5	6	7	C	25	26	27	8	350	9	10	11	90	-	12	13
----------	----------	---	---	---	---	---	---	----	----	----	---	-----	---	----	----	----	---	----	----

SP casing, B5 flange, hollow shaft with keyway, size 5, design index 6, 3-stage, size primary-stage gear unit 1, design index primary-stage gear unit 6, 2-stage primary-stage gear unit, total gear ratio i = 1/350, moto size 90, shaft arrangement left, mounting position 1


**GEARED MOTOR
CODING**

Mounting positions


*an Premium Stephan wenden



5. SP4

5.4 Selection tables for SP4 geared motors

Example: Geared motor selection table

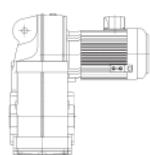
										Motor output	
										Motor speed	
										Exact gear ratio	
										Permissible radial force	
										Permissible radial force for reinforced bearing	
										Dimensional drawings	
P	0.12 kW										
n ₁	1360 min ⁻¹										
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	A			
392.4	56.00	3	SPZH16B3.55 - 63A-4G	3.47		4 100	21	M246			
342.3	49.00	3	SPZH16B4 - 63A-4G	3.97		4 300	21	M246			
319.4	46.00	4	SPZH16B4.5 - 63A-4G	4.26		4 400	21	M246			
277.6	40.00	4	SPZH16B5 - 63A-4G	4.90		4 600	21	M246			
240.1	34.00	5	SPZH16B5.6 - 63A-4G	5.66		4 900	21	M246			
222.8	32.00	5	SPZH16B6.3 - 63A-4G	6.10		5 000	21	M246			

Basic version SPZH

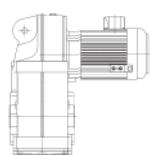
Torque of output shaft

Available Service Factor SF

Exact speed of output shaft
(rated load)

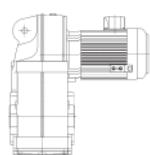


P 0,25 kW n ₁ 1400 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
403,94	27,75	6	SP..16B3,55 - W-DA71SJ-4G	3,47	0	4100	28,0	M246-M253
352,36	24,21	7	SP..16B4 - W-DA71SJ-4G	3,97	0	4300	28,0	M246-M253
328,84	22,59	7	SP..16B4,5 - W-DA71SJ-4G	4,26	0	4400	28,0	M246-M253
285,73	19,63	8	SP..16B5 - W-DA71SJ-4G	4,90	0	4600	28,0	M246-M253
247,15	16,98	10	SP..16B5,6 - W-DA71SJ-4G	5,66	0	4800	28,0	M246-M253
229,34	15,76	10	SP..16B6,3 - W-DA71SJ-4G	6,10	0	4900	28,0	M246-M253
212,43	14,59	11	SP..16B7,1 - W-DA71SJ-4G	6,59	0	5000	28,0	M246-M253
181,02	12,44	13	SP..16B8 - W-DA71SJ-4G	7,73	0	5000	28,0	M246-M253
165,59	15,95	14	SP..16B9 - W-DA71SJ-4G	8,45	0	5000	28,0	M246-M253
144,44	13,92	17	SP..16B10 - W-DA71SJ-4G	9,69	0	5000	28,0	M246-M253
134,80	12,99	18	SP..16B11,2 - W-DA71SJ-4G	10,39	0	5000	28,0	M246-M253
117,13	11,28	20	SP..16B12,5 - W-DA71SJ-4G	11,95	0	5000	28,0	M246-M253
101,32	9,76	24	SP..16B14 - W-DA71SJ-4G	13,82	0	5000	28,0	M246-M253
87,08	8,39	27	SP..16B16 - W-DA71SJ-4G	16,08	0	5000	28,0	M246-M253
74,21	7,15	32	SP..16B18 - W-DA71SJ-4G	18,87	0	5000	28,0	M246-M253
68,22	6,57	35	SP..16B20 - W-DA71SJ-4G	20,52	0	5000	28,0	M246-M253
62,50	6,02	38	SP..16B22,4 - W-DA71SJ-4G	22,40	0	5000	28,0	M246-M253
57,04	5,50	42	SP..16B25 - W-DA71SJ-4G	24,55	0	5000	28,0	M246-M253
51,81	4,99	46	SP..16B28 - W-DA71SJ-4G	27,02	0	5000	28,0	M246-M253
46,81	4,51	51	SP..16B31,5 - W-DA71SJ-4G	29,91	0	5000	28,0	M246-M253
37,41	3,60	64	SP..16B35,5 - W-DA71SJ-4G	37,42	0	5000	28,0	M246-M253
33,61	3,24	71	SP..16B40 - W-DA71SJ-4G	41,65	0	5000	28,0	M246-M253
30,05	2,90	79	SP..16B45 - W-DA71SJ-4G	46,58	0	5000	28,0	M246-M253
28,57	2,75	84	SP..16B50 - W-DA71SJ-4G	49,00	0	5000	28,0	M246-M253
25,85	2,49	92	SP..16B56 - W-DA71SJ-4G	54,15	0	5000	28,0	M246-M253
23,21	2,24	103	SP..16B63 - W-DA71SJ-4G	60,33	0	5000	28,0	M246-M253
18,67	1,80	128	SP..16B71 - W-DA71SJ-4G	74,98	0	5000	28,0	M246-M253
16,82	1,62	142	SP..16B80 - W-DA71SJ-4G	83,24	0	5000	28,0	M246-M253
16,87	2,54	142	SP..26B80 - W-DA71SJ-4G	83,01	6900	6900	35,0	M254-M261
15,00	1,45	159	SP..16B90 - W-DA71SJ-4G	93,33	0	5000	28,0	M246-M253
15,22	1,47	157	SP..16B16B90 - W-DA71SJ-4G	91,96	0	5000	32,9	M246-M253
15,19	2,13	157	SP..26B90 - W-DA71SJ-4G	92,15	6900	6900	35,0	M254-M261
16,00	2,95	149	SP..26B16B90 - W-DA71SJ-4G	87,51	4500	6900	39,9	M254-M261
14,42	1,39	166	SP..16B16B100 - W-DA71SJ-4G	97,10	0	5000	32,9	M246-M253
13,55	1,76	176	SP..26B100 - W-DA71SJ-4G	103,33	6900	6900	35,0	M254-M261
13,75	2,53	174	SP..26B16B100 - W-DA71SJ-4G	101,81	4500	6900	39,9	M254-M261
12,39	1,19	193	SP..16B16B112 - W-DA71SJ-4G	112,96	0	5000	32,9	M246-M253
12,95	2,39	184	SP..26B16B112 - W-DA71SJ-4G	108,11	4500	6900	39,9	M254-M261
10,84	1,04	220	SP..16B16B125 - W-DA71SJ-4G	129,19	0	5000	32,9	M246-M253
11,19	2,06	213	SP..26B16B125 - W-DA71SJ-4G	125,07	4500	6900	39,9	M254-M261
9,31	0,90	256	SP..16B16B140 - W-DA71SJ-4G	150,30	0	5000	32,9	M246-M253
9,73	1,79	245	SP..26B16B140 - W-DA71SJ-4G	143,94	4500	6900	39,9	M254-M261
9,08	1,67	263	SP..26B16B160 - W-DA71SJ-4G	154,13	4500	6900	39,9	M254-M261
7,81	1,44	306	SP..26B16B180 - W-DA71SJ-4G	179,33	4500	6900	39,9	M254-M261
7,65	2,72	312	SP..36B16B180 - W-DA71SJ-4G	183,04	4500	13500	46,9	M262-M269
7,17	1,32	333	SP..26B16B200 - W-DA71SJ-4G	195,28	4500	6900	39,9	M254-M261
7,20	2,56	331	SP..36B16B200 - W-DA71SJ-4G	194,34	4500	13500	46,9	M262-M269
6,16	1,14	387	SP..26B16B224 - W-DA71SJ-4G	227,20	4500	6900	39,9	M254-M261
6,40	2,28	373	SP..36B16B224 - W-DA71SJ-4G	218,91	4500	13500	46,9	M262-M269
5,66	1,04	421	SP..26B16B250 - W-DA71SJ-4G	247,15	4500	6900	39,9	M254-M261
5,54	1,97	431	SP..36B16B250 - W-DA71SJ-4G	252,84	4500	13500	46,9	M262-M269



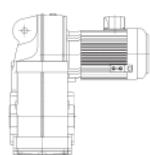
5. SP4

P 0,25 kW n ₁ 1400 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
5,11	0,94	467	SP..26B16B280 - W-DA71SJ-4G	273,79	4500	6900	39,9	M254-M261
5,03	1,79	475	SP..36B16B280 - W-DA71SJ-4G	278,34	4500	13500	46,9	M262-M269
4,54	1,62	525	SP..36B16B315 - W-DA71SJ-4G	308,09	4500	13500	46,9	M262-M269
4,08	1,45	585	SP..36B16B355 - W-DA71SJ-4G	343,25	4500	13500	46,9	M262-M269
3,74	2,67	638	SP..46B16B355 - W-DA71SJ-4G	374,06	5500	18000	72,9	M270-M277
3,63	1,29	657	SP..36B16B400 - W-DA71SJ-4G	385,45	4500	13500	46,9	M262-M269
3,40	2,42	702	SP..46B16B400 - W-DA71SJ-4G	411,78	5500	18000	72,9	M270-M277
3,18	1,13	751	SP..36B16B450 - W-DA71SJ-4G	440,16	4500	13500	46,9	M262-M269
3,07	2,19	777	SP..46B16B450 - W-DA71SJ-4G	455,79	5500	18000	72,9	M270-M277
2,90	1,03	824	SP..36B16B500 - W-DA71SJ-4G	482,93	4500	13500	46,9	M262-M269
2,76	1,96	866	SP..46B16B500 - W-DA71SJ-4G	507,81	5500	18000	72,9	M270-M277
2,51	0,89	951	SP..36B16B560 - W-DA71SJ-4G	557,79	4500	13500	46,9	M262-M269
2,46	1,75	972	SP..46B16B560 - W-DA71SJ-4G	570,23	5500	18000	72,9	M270-M277
2,44	2,97	978	SP..56B16B560 - W-DA71SJ-4G	573,43	7500	27000	109,9	M278-M285
2,21	1,57	1.082	SP..46B16B630 - W-DA71SJ-4G	634,76	5500	18000	72,9	M270-M277
2,19	2,66	1.088	SP..56B16B630 - W-DA71SJ-4G	638,33	7500	27000	109,9	M278-M285
1,97	1,40	1.210	SP..46B16B710 - W-DA71SJ-4G	709,88	5500	18000	72,9	M270-M277
1,96	2,38	1.217	SP..56B16B710 - W-DA71SJ-4G	713,86	7500	27000	109,9	M278-M285
1,70	1,21	1.407	SP..46B16B800 - W-DA71SJ-4G	825,19	5500	18000	72,9	M270-M277
1,69	2,05	1.415	SP..56B16B800 - W-DA71SJ-4G	829,83	7500	27000	109,9	M278-M285
1,52	1,08	1.568	SP..46B16B900 - W-DA71SJ-4G	919,35	5500	18000	72,9	M270-M277
1,51	1,84	1.577	SP..56B16B900 - W-DA71SJ-4G	924,51	7500	27000	109,9	M278-M285
1,48	1,05	1.618	SP..46B16B1000 - W-DA71SJ-4G	948,89	5500	18000	72,9	M270-M277
1,47	1,78	1.627	SP..56B16B1000 - W-DA71SJ-4G	954,22	7500	27000	109,9	M278-M285
1,23	0,87	1.948	SP..46B16B1120 - W-DA71SJ-4G	1.142,57	5500	18000	72,9	M270-M277
1,22	1,48	1.959	SP..56B16B1120 - W-DA71SJ-4G	1.148,99	7500	27000	109,9	M278-M285
1,23	2,83	1.947	SP..66C36B1120 - W-DA71SJ-4G	1.141,54	0	30000	198,9	M286-M293
1,12	1,36	2.127	SP..56B16C1250 - W-DA71SJ-4G	1.247,31	7500	27000	109,9	M278-M285
1,14	2,62	2.097	SP..66C36B1250 - W-DA71SJ-4G	1.229,59	0	30000	198,9	M286-M293
1,01	1,23	2.354	SP..56B16C1400 - W-DA71SJ-4G	1.380,63	7500	27000	109,9	M278-M285
1,00	2,31	2.381	SP..66C36B1400 - W-DA71SJ-4G	1.396,25	0	30000	198,9	M286-M293
0,91	1,11	2.623	SP..56B16C1600 - W-DA71SJ-4G	1.538,19	7500	27000	109,9	M278-M285
0,89	2,04	2.697	SP..66C36B1600 - W-DA71SJ-4G	1.581,32	0	30000	198,9	M286-M293
0,81	0,98	2.945	SP..56B16C1800 - W-DA71SJ-4G	1.727,26	7500	27000	109,9	M278-M285
0,81	1,87	2.940	SP..66C36B1800 - W-DA71SJ-4G	1.724,37	0	30000	198,9	M286-M293
0,78	2,61	3.069	SP..76C36B1800 - W-DA71SJ-4G	1.799,92	0	50000	289,9	M294-M301
0,73	0,88	3.279	SP..56B16C2000 - W-DA71SJ-4G	1.922,74	7500	27000	109,9	M278-M285
0,70	1,62	3.404	SP..66C36B2000 - W-DA71SJ-4G	1.995,97	0	30000	198,9	M286-M293
0,70	2,36	3.389	SP..76C36B2000 - W-DA71SJ-4G	1.987,45	0	50000	289,9	M294-M301
0,64	1,46	3.758	SP..66C36B2240 - W-DA71SJ-4G	2.203,92	0	30000	198,9	M286-M293
0,59	1,97	4.055	SP..76C36B2240 - W-DA71SJ-4G	2.377,80	0	50000	289,9	M294-M301
0,48	1,10	5.006	SP..66C36B2800 - W-DA71SJ-4G	2.935,85	0	30000	198,9	M286-M293
0,48	1,60	4.994	SP..76C36B2800 - W-DA71SJ-4G	2.928,76	0	50000	289,9	M294-M301
0,43	0,99	5.538	SP..66C36B3150 - W-DA71SJ-4G	3.247,76	0	30000	198,9	M286-M293
0,43	1,44	5.548	SP..76C36B3150 - W-DA71SJ-4G	3.253,53	0	50000	289,9	M294-M301
0,45	2,83	5.307	SP..86C36C3150 - W-DA71SJ-4G	3.112,09	0	82500	444,9	M302-M309
0,39	0,89	6.152	SP..66C36B3550 - W-DA71SJ-4G	3.607,91	0	30000	198,9	M286-M293
0,42	1,40	5.727	SP..76C36B3550 - W-DA71SJ-4G	3.358,36	0	50000	289,9	M294-M301
0,41	2,59	5.787	SP..86C36C3550 - W-DA71SJ-4G	3.393,61	0	82500	444,9	M302-M309
0,37	1,24	6.428	SP..76C36B4000 - W-DA71SJ-4G	3.769,68	0	50000	289,9	M294-M301
0,36	2,24	6.698	SP..86C36C4000 - W-DA71SJ-4G	3.928,13	0	82500	444,9	M302-M309



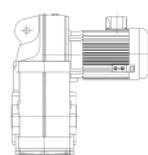
P 0,25 kW n ₁ 1400 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
0,31	1,05	7.621	SP..76C36C4500 - W-DA71SJ-4G	4.468,98	0	50000	289,9	M294-M301
0,32	2,03	7.396	SP..86C36C4500 - W-DA71SJ-4G	4.337,39	0	82500	444,9	M302-M309
0,27	0,91	8.821	SP..76C36C5000 - W-DA71SJ-4G	5.172,88	0	50000	289,9	M294-M301
0,27	1,70	8.849	SP..86C36C5000 - W-DA71SJ-4G	5.189,29	0	82500	444,9	M302-M309
0,24	1,52	9.853	SP..86C36C5600 - W-DA71SJ-4G	5.777,83	0	82500	444,9	M302-M309
0,22	1,38	10.899	SP..86C36C6300 - W-DA71SJ-4G	6.391,69	0	82500	444,9	M302-M309
0,20	1,24	12.108	SP..86C36C7100 - W-DA71SJ-4G	7.100,47	0	82500	444,9	M302-M309
0,17	1,07	14.029	SP..86C36C8000 - W-DA71SJ-4G	8.226,92	0	82500	444,9	M302-M309

P 0,37 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
406,83	18,88	9	SP..16B3,55 - W-DA71SK-4G	3,47	0	4100	28,0	M246-M253
354,87	16,47	10	SP..16B4 - W-DA71SK-4G	3,97	0	4200	28,0	M246-M253
331,19	15,37	11	SP..16B4,5 - W-DA71SK-4G	4,26	0	4300	28,0	M246-M253
287,77	13,36	12	SP..16B5 - W-DA71SK-4G	4,90	0	4500	28,0	M246-M253
248,91	11,55	14	SP..16B5,6 - W-DA71SK-4G	5,66	0	4700	28,0	M246-M253
230,98	10,72	15	SP..16B6,3 - W-DA71SK-4G	6,10	0	4800	28,0	M246-M253
213,95	9,93	17	SP..16B7,1 - W-DA71SK-4G	6,59	0	5000	28,0	M246-M253
182,31	8,46	19	SP..16B8 - W-DA71SK-4G	7,73	0	5000	28,0	M246-M253
166,77	10,86	21	SP..16B9 - W-DA71SK-4G	8,45	0	5000	28,0	M246-M253
145,48	9,47	24	SP..16B10 - W-DA71SK-4G	9,69	0	5000	28,0	M246-M253
135,77	8,84	26	SP..16B11,2 - W-DA71SK-4G	10,39	0	5000	28,0	M246-M253
117,97	7,68	30	SP..16B12,5 - W-DA71SK-4G	11,95	0	5000	28,0	M246-M253
102,04	6,64	35	SP..16B14 - W-DA71SK-4G	13,82	0	5000	28,0	M246-M253
87,71	5,71	40	SP..16B16 - W-DA71SK-4G	16,08	0	5000	28,0	M246-M253
74,74	4,87	47	SP..16B18 - W-DA71SK-4G	18,87	0	5000	28,0	M246-M253
68,70	4,47	51	SP..16B20 - W-DA71SK-4G	20,52	0	5000	28,0	M246-M253
62,95	4,10	56	SP..16B22,4 - W-DA71SK-4G	22,40	0	5000	28,0	M246-M253
57,44	3,74	62	SP..16B25 - W-DA71SK-4G	24,55	0	5000	28,0	M246-M253
52,18	3,40	68	SP..16B28 - W-DA71SK-4G	27,02	0	5000	28,0	M246-M253
47,14	3,07	75	SP..16B31,5 - W-DA71SK-4G	29,91	0	5000	28,0	M246-M253
37,68	2,45	94	SP..16B35,5 - W-DA71SK-4G	37,42	0	5000	28,0	M246-M253
33,85	2,20	104	SP..16B40 - W-DA71SK-4G	41,65	0	5000	28,0	M246-M253
30,27	1,97	117	SP..16B45 - W-DA71SK-4G	46,58	0	5000	28,0	M246-M253
28,78	1,87	123	SP..16B50 - W-DA71SK-4G	49,00	0	5000	28,0	M246-M253
26,04	1,70	136	SP..16B56 - W-DA71SK-4G	54,15	0	5000	28,0	M246-M253
23,52	2,93	150	SP..26B56 - W-DA71SK-4G	59,95	6900	6900	35,0	M254-M261
23,37	1,52	151	SP..16B63 - W-DA71SK-4G	60,33	0	5000	28,0	M246-M253
21,11	2,63	167	SP..26B63 - W-DA71SK-4G	66,79	6900	6900	35,0	M254-M261
18,81	1,22	188	SP..16B71 - W-DA71SK-4G	74,98	0	5000	28,0	M246-M253
20,45	2,11	173	SP..26B71 - W-DA71SK-4G	68,94	6900	6900	35,0	M254-M261
16,94	1,10	209	SP..16B80 - W-DA71SK-4G	83,24	0	5000	28,0	M246-M253
16,99	1,73	208	SP..26B80 - W-DA71SK-4G	83,01	6900	6900	35,0	M254-M261
15,11	0,98	234	SP..16B90 - W-DA71SK-4G	93,33	0	5000	28,0	M246-M253
15,33	1,00	230	SP..16B16B90 - W-DA71SK-4G	91,96	0	5000	32,9	M246-M253
15,30	1,45	231	SP..26B90 - W-DA71SK-4G	92,15	6900	6900	35,0	M254-M261
16,11	2,01	219	SP..26B16B90 - W-DA71SK-4G	87,51	4500	6900	39,9	M254-M261



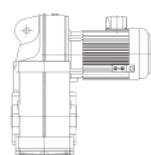
5. SP4

P 0,37 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
14,52	0,95	243	SP..16B16B100 - W-DA71SK-4G	97,10	0	5000	32,9	M246-M253
13,65	1,20	259	SP..26B100 - W-DA71SK-4G	103,33	6900	6900	35,0	M254-M261
13,85	1,72	255	SP..26B16B100 - W-DA71SK-4G	101,81	4500	6900	39,9	M254-M261
13,04	1,62	271	SP..26B16B112 - W-DA71SK-4G	108,11	4500	6900	39,9	M254-M261
11,27	1,40	313	SP..26B16B125 - W-DA71SK-4G	125,07	4500	6900	39,9	M254-M261
11,45	2,76	309	SP..36B16B125 - W-DA71SK-4G	123,12	4500	13500	46,9	M262-M269
9,80	1,22	361	SP..26B16B140 - W-DA71SK-4G	143,94	4500	6900	39,9	M254-M261
9,91	2,38	357	SP..36B16B140 - W-DA71SK-4G	142,34	4500	13500	46,9	M262-M269
9,15	1,14	386	SP..26B16B160 - W-DA71SK-4G	154,13	4500	6900	39,9	M254-M261
9,19	2,21	384	SP..36B16B160 - W-DA71SK-4G	153,39	4500	13500	46,9	M262-M269
7,86	0,98	449	SP..26B16B180 - W-DA71SK-4G	179,33	4500	6900	39,9	M254-M261
7,70	1,85	459	SP..36B16B180 - W-DA71SK-4G	183,04	4500	13500	46,9	M262-M269
7,22	0,90	489	SP..26B16B200 - W-DA71SK-4G	195,28	4500	6900	39,9	M254-M261
7,26	1,75	487	SP..36B16B200 - W-DA71SK-4G	194,34	4500	13500	46,9	M262-M269
6,44	1,55	549	SP..36B16B224 - W-DA71SK-4G	218,91	4500	13500	46,9	M262-M269
6,21	2,99	569	SP..46B16B224 - W-DA71SK-4G	226,93	5500	18000	72,9	M270-M277
5,58	1,34	634	SP..36B16B250 - W-DA71SK-4G	252,84	4500	13500	46,9	M262-M269
5,76	2,77	614	SP..46B16B250 - W-DA71SK-4G	245,00	5500	18000	72,9	M270-M277
5,07	1,22	697	SP..36B16B280 - W-DA71SK-4G	278,34	4500	13500	46,9	M262-M269
4,90	2,36	720	SP..46B16B280 - W-DA71SK-4G	287,51	5500	18000	72,9	M270-M277
4,58	1,10	772	SP..36B16B315 - W-DA71SK-4G	308,09	4500	13500	46,9	M262-M269
4,51	2,17	784	SP..46B16B315 - W-DA71SK-4G	312,75	5500	18000	72,9	M270-M277
4,11	0,99	860	SP..36B16B355 - W-DA71SK-4G	343,25	4500	13500	46,9	M262-M269
3,77	1,81	937	SP..46B16B355 - W-DA71SK-4G	374,06	5500	18000	72,9	M270-M277
3,66	0,88	966	SP..36B16B400 - W-DA71SK-4G	385,45	4500	13500	46,9	M262-M269
3,42	1,65	1.032	SP..46B16B400 - W-DA71SK-4G	411,78	5500	18000	72,9	M270-M277
3,41	2,79	1.038	SP..56B16B400 - W-DA71SK-4G	414,09	7500	27000	109,9	M278-M285
3,09	1,49	1.142	SP..46B16B450 - W-DA71SK-4G	455,79	5500	18000	72,9	M270-M277
3,08	2,52	1.149	SP..56B16B450 - W-DA71SK-4G	458,35	7500	27000	109,9	M278-M285
2,78	1,34	1.272	SP..46B16B500 - W-DA71SK-4G	507,81	5500	18000	72,9	M270-M277
2,76	2,27	1.280	SP..56B16B500 - W-DA71SK-4G	510,66	7500	27000	109,9	M278-M285
2,47	1,19	1.429	SP..46B16B560 - W-DA71SK-4G	570,23	5500	18000	72,9	M270-M277
2,46	2,02	1.437	SP..56B16B560 - W-DA71SK-4G	573,43	7500	27000	109,9	M278-M285
2,22	1,07	1.591	SP..46B16B630 - W-DA71SK-4G	634,76	5500	18000	72,9	M270-M277
2,21	1,81	1.600	SP..56B16B630 - W-DA71SK-4G	638,33	7500	27000	109,9	M278-M285
1,99	0,96	1.779	SP..46B16B710 - W-DA71SK-4G	709,88	5500	18000	72,9	M270-M277
1,98	1,62	1.789	SP..56B16B710 - W-DA71SK-4G	713,86	7500	27000	109,9	M278-M285
1,92	2,98	1.844	SP..66B36B710 - W-DA71SK-4G	735,85	0	30000	198,9	M286-M293
1,70	1,39	2.079	SP..56B16B800 - W-DA71SK-4G	829,83	7500	27000	109,9	M278-M285
1,72	2,68	2.053	SP..66B36B800 - W-DA71SK-4G	819,31	0	30000	198,9	M286-M293
1,53	1,25	2.317	SP..56B16B900 - W-DA71SK-4G	924,51	7500	27000	109,9	M278-M285
1,56	2,42	2.271	SP..66B36B900 - W-DA71SK-4G	906,35	0	30000	198,9	M286-M293
1,48	1,21	2.391	SP..56B16B1000 - W-DA71SK-4G	954,22	7500	27000	109,9	M278-M285
1,40	2,18	2.523	SP..66B36B1000 - W-DA71SK-4G	1.006,86	0	30000	198,9	M286-M293
1,23	1,01	2.879	SP..56B16B1120 - W-DA71SK-4G	1.148,99	7500	27000	109,9	M278-M285
1,24	1,92	2.861	SP..66C36B1120 - W-DA71SK-4G	1.141,54	0	30000	198,9	M286-M293
1,27	2,89	2.772	SP..76B36B1120 - W-DA71SK-4G	1.106,11	0	50000	289,9	M294-M301
1,13	0,93	3.126	SP..56B16C1250 - W-DA71SK-4G	1.247,31	7500	27000	109,9	M278-M285
1,15	1,79	3.081	SP..66C36B1250 - W-DA71SK-4G	1.229,59	0	30000	198,9	M286-M293
1,12	2,54	3.155	SP..76C36B1250 - W-DA71SK-4G	1.259,11	0	50000	289,9	M294-M301
1,01	1,57	3.499	SP..66C36B1400 - W-DA71SK-4G	1.396,25	0	30000	198,9	M286-M293



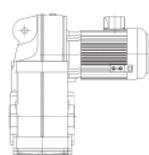
P 0,37 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
0,99	2,24	3.573	SP..76C36B1400 - W-DA71SK-4G	1.426,00	0	50000	289,9	M294-M301
0,89	1,39	3.963	SP..66C36B1600 - W-DA71SK-4G	1.581,32	0	30000	198,9	M286-M293
0,91	2,05	3.897	SP..76C36B1600 - W-DA71SK-4G	1.554,99	0	50000	289,9	M294-M301
0,82	1,27	4.321	SP..66C36B1800 - W-DA71SK-4G	1.724,37	0	30000	198,9	M286-M293
0,78	1,77	4.510	SP..76C36B1800 - W-DA71SK-4G	1.799,92	0	50000	289,9	M294-M301
0,71	1,10	5.002	SP..66C36B2000 - W-DA71SK-4G	1.995,97	0	30000	198,9	M286-M293
0,71	1,61	4.980	SP..76C36B2000 - W-DA71SK-4G	1.987,45	0	50000	289,9	M294-M301
0,70	2,98	5.038	SP..86C36B2000 - W-DA71SK-4G	2.010,42	0	82500	444,9	M302-M309
0,64	1,00	5.523	SP..66C36B2240 - W-DA71SK-4G	2.203,92	0	30000	198,9	M286-M293
0,59	1,34	5.958	SP..76C36B2240 - W-DA71SK-4G	2.377,80	0	50000	289,9	M294-M301
0,63	2,69	5.573	SP..86C36B2240 - W-DA71SK-4G	2.224,01	0	82500	444,9	M302-M309
0,57	2,42	6.191	SP..86C36B2500 - W-DA71SK-4G	2.470,63	0	82500	444,9	M302-M309
0,48	1,09	7.339	SP..76C36B2800 - W-DA71SK-4G	2.928,76	0	50000	289,9	M294-M301
0,49	2,09	7.173	SP..86C36B2800 - W-DA71SK-4G	2.862,58	0	82500	444,9	M302-M309
0,43	0,98	8.153	SP..76C36B3150 - W-DA71SK-4G	3.253,53	0	50000	289,9	M294-M301
0,45	1,92	7.798	SP..86C36C3150 - W-DA71SK-4G	3.112,09	0	82500	444,9	M302-M309
0,42	0,95	8.415	SP..76C36B3550 - W-DA71SK-4G	3.358,36	0	50000	289,9	M294-M301
0,42	1,76	8.504	SP..86C36C3550 - W-DA71SK-4G	3.393,61	0	82500	444,9	M302-M309
0,36	1,52	9.843	SP..86C36C4000 - W-DA71SK-4G	3.928,13	0	82500	444,9	M302-M309
0,33	1,38	10.869	SP..86C36C4500 - W-DA71SK-4G	4.337,39	0	82500	444,9	M302-M309
0,27	1,15	13.004	SP..86C36C5000 - W-DA71SK-4G	5.189,29	0	82500	444,9	M302-M309
0,24	1,04	14.478	SP..86C36C5600 - W-DA71SK-4G	5.777,83	0	82500	444,9	M302-M309
0,22	0,94	16.017	SP..86C36C6300 - W-DA71SK-4G	6.391,69	0	82500	444,9	M302-M309

P 0,55 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
406,83	12,70	13	SP..16B3,55 - W-DA80ME-4G	3,47	0	4000	31,0	M246-M253
354,87	11,08	15	SP..16B4 - W-DA80ME-4G	3,97	0	4200	31,0	M246-M253
331,19	10,34	16	SP..16B4,5 - W-DA80ME-4G	4,26	0	4300	31,0	M246-M253
287,77	8,99	18	SP..16B5 - W-DA80ME-4G	4,90	0	4500	31,0	M246-M253
248,91	7,77	21	SP..16B5,6 - W-DA80ME-4G	5,66	0	4600	31,0	M246-M253
230,98	7,21	23	SP..16B6,3 - W-DA80ME-4G	6,10	0	4800	31,0	M246-M253
213,95	6,68	25	SP..16B7,1 - W-DA80ME-4G	6,59	0	4900	31,0	M246-M253
182,31	5,69	29	SP..16B8 - W-DA80ME-4G	7,73	0	5000	31,0	M246-M253
166,77	7,30	31	SP..16B9 - W-DA80ME-4G	8,45	0	5000	31,0	M246-M253
145,48	6,37	36	SP..16B10 - W-DA80ME-4G	9,69	0	5000	31,0	M246-M253
135,77	5,95	39	SP..16B11,2 - W-DA80ME-4G	10,39	0	5000	31,0	M246-M253
117,97	5,17	45	SP..16B12,5 - W-DA80ME-4G	11,95	0	5000	31,0	M246-M253
102,04	4,47	51	SP..16B14 - W-DA80ME-4G	13,82	0	5000	31,0	M246-M253
87,71	3,84	60	SP..16B16 - W-DA80ME-4G	16,08	0	5000	31,0	M246-M253
74,74	3,27	70	SP..16B18 - W-DA80ME-4G	18,87	0	5000	31,0	M246-M253
68,70	3,01	76	SP..16B20 - W-DA80ME-4G	20,52	0	5000	31,0	M246-M253
62,95	2,76	83	SP..16B22,4 - W-DA80ME-4G	22,40	0	5000	31,0	M246-M253
57,44	2,52	91	SP..16B25 - W-DA80ME-4G	24,55	0	5000	31,0	M246-M253
52,18	2,29	101	SP..16B28 - W-DA80ME-4G	27,02	0	5000	31,0	M246-M253
47,14	2,06	111	SP..16B31,5 - W-DA80ME-4G	29,91	0	5000	31,0	M246-M253
37,68	1,65	139	SP..16B35,5 - W-DA80ME-4G	37,42	0	5000	31,0	M246-M253



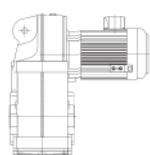
5. SP4

P 0,55 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
33,85	1,48	155	SP..16B40 - W-DA80ME-4G	41,65	0	5000	31,0	M254-M261
34,04	2,85	154	SP..26B40 - W-DA80ME-4G	41,43	6100	6900	38,0	M262-M269
30,27	1,33	174	SP..16B45 - W-DA80ME-4G	46,58	0	5000	31,0	M262-M269
30,58	2,56	172	SP..26B45 - W-DA80ME-4G	46,12	6200	6900	38,0	M262-M269
28,78	1,26	183	SP..16B50 - W-DA80ME-4G	49,00	0	5000	31,0	M270-M277
27,34	2,29	192	SP..26B50 - W-DA80ME-4G	51,57	6400	6900	38,0	M262-M269
26,04	1,14	202	SP..16B56 - W-DA80ME-4G	54,15	0	5000	31,0	M270-M277
23,52	1,97	223	SP..26B56 - W-DA80ME-4G	59,95	6500	6900	38,0	M262-M269
23,37	1,02	225	SP..16B63 - W-DA80ME-4G	60,33	0	5000	31,0	M270-M277
21,11	1,77	249	SP..26B63 - W-DA80ME-4G	66,79	6700	6900	38,0	M262-M269
20,45	1,42	257	SP..26B71 - W-DA80ME-4G	68,94	6700	6900	38,0	M270-M277
16,99	1,16	309	SP..26B80 - W-DA80ME-4G	83,01	6800	6900	38,0	M262-M269
18,09	2,93	290	SP..36B80 - W-DA80ME-4G	77,94	9100	13500	45,0	M270-M277
15,30	0,98	343	SP..26B90 - W-DA80ME-4G	92,15	6900	6900	38,0	M278-M285
16,11	1,35	326	SP..26B16B90 - W-DA80ME-4G	87,51	4500	6900	43,0	M270-M277
16,19	2,62	324	SP..36B16B90 - W-DA80ME-4G	87,09	4500	13500	50,0	M278-M285
16,46	2,66	319	SP..36B90 - W-DA80ME-4G	85,68	9300	13500	45,0	M270-M277
13,85	1,16	379	SP..26B16B100 - W-DA80ME-4G	101,81	4500	6900	43,0	M278-M285
13,26	2,02	396	SP..36B100 - W-DA80ME-4G	106,33	9700	13500	45,0	M270-M277
14,12	2,29	372	SP..36B16B100 - W-DA80ME-4G	99,84	4500	13500	50,0	M278-M285
13,04	1,09	403	SP..26B16B112 - W-DA80ME-4G	108,11	4500	6900	43,0	M270-M277
13,18	2,13	398	SP..36B16B112 - W-DA80ME-4G	106,98	4500	13500	50,0	M278-M285
11,27	0,94	466	SP..26B16B125 - W-DA80ME-4G	125,07	4500	6900	43,0	M270-M277
11,45	1,85	459	SP..36B16B125 - W-DA80ME-4G	123,12	4500	13500	50,0	M278-M285
9,91	1,60	530	SP..36B16B140 - W-DA80ME-4G	142,34	4500	13500	50,0	M270-M277
9,19	1,49	571	SP..36B16B160 - W-DA80ME-4G	153,39	4500	13500	50,0	M278-M285
8,62	2,79	609	SP..46C160 - W-DA80ME-4G	163,58	14800	18000	71,0	M286-M293
7,70	1,25	682	SP..36B16B180 - W-DA80ME-4G	183,04	4500	13500	50,0	M278-M285
7,74	2,51	678	SP..46B16B180 - W-DA80ME-4G	182,15	5500	18000	76,0	M286-M293
7,79	2,52	674	SP..46C180 - W-DA80ME-4G	180,96	15100	18000	71,0	M278-M285
7,26	1,17	724	SP..36B16B200 - W-DA80ME-4G	194,34	4500	13500	50,0	M286-M293
6,70	2,17	784	SP..46B16B200 - W-DA80ME-4G	210,58	5500	18000	76,0	M278-M285
7,01	2,27	749	SP..46C200 - W-DA80ME-4G	201,03	15400	18000	71,0	M286-M293
6,44	1,04	815	SP..36B16B224 - W-DA80ME-4G	218,91	4500	13500	50,0	M278-M285
6,05	1,96	868	SP..46C224 - W-DA80ME-4G	232,92	15700	18000	71,0	M286-M293
6,21	2,01	845	SP..46B16B224 - W-DA80ME-4G	226,93	5500	18000	76,0	M294-M301
5,58	0,90	942	SP..36B16B250 - W-DA80ME-4G	252,84	4500	13500	50,0	M278-M285
5,76	1,86	913	SP..46B16B250 - W-DA80ME-4G	245,00	5500	18000	76,0	M286-M293
4,88	1,58	1.077	SP..46C280 - W-DA80ME-4G	289,06	16200	18000	71,0	M294-M301
4,90	1,59	1.071	SP..46B16B280 - W-DA80ME-4G	287,51	5500	18000	76,0	M286-M293
4,86	2,68	1.081	SP..56C280 - W-DA80ME-4G	290,23	21400	27000	108,0	M294-M301
4,88	2,69	1.077	SP..56B16B280 - W-DA80ME-4G	289,13	7500	27000	113,0	M286-M293
4,51	1,46	1.165	SP..46B16B315 - W-DA80ME-4G	312,75	5500	18000	76,0	M294-M301
4,33	2,39	1.212	SP..56C315 - W-DA80ME-4G	325,39	21800	27000	108,0	M286-M293
4,48	2,48	1.172	SP..56B16B315 - W-DA80ME-4G	314,51	7500	27000	113,0	M294-M301
3,77	1,22	1.393	SP..46B16B355 - W-DA80ME-4G	374,06	5500	18000	76,0	M302-M309
3,75	2,07	1.401	SP..56B16B355 - W-DA80ME-4G	376,16	7500	27000	113,0	M286-M293
3,42	1,11	1.534	SP..46B16B400 - W-DA80ME-4G	411,78	5500	18000	76,0	M294-M301
3,41	1,88	1.542	SP..56B16B400 - W-DA80ME-4G	414,09	7500	27000	113,0	M302-M309
3,09	1,00	1.698	SP..46B16B450 - W-DA80ME-4G	455,79	5500	18000	76,0	M294-M301
3,08	1,70	1.707	SP..56B16B450 - W-DA80ME-4G	458,35	7500	27000	113,0	M302-M309



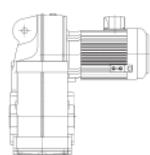
P 0,55 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
2,78	0,90	1.892	SP..46B16B500 - W-DA80ME-4G	507,81	5500	18000	76,0	M270-M277
2,76	1,52	1.902	SP..56B16B500 - W-DA80ME-4G	510,66	7500	27000	113,0	M278-M285
2,46	1,36	2.136	SP..56B16B560 - W-DA80ME-4G	573,43	7500	27000	113,0	M278-M285
2,53	2,65	2.075	SP..66B36B560 - W-DA80ME-4G	557,02	0	30000	202,0	M286-M293
2,21	1,22	2.378	SP..56B16B630 - W-DA80ME-4G	638,33	7500	27000	113,0	M278-M285
2,29	2,40	2.291	SP..66B36B630 - W-DA80ME-4G	615,05	0	30000	202,0	M286-M293
1,98	1,09	2.659	SP..56B16B710 - W-DA80ME-4G	713,86	7500	27000	113,0	M278-M285
1,92	2,01	2.741	SP..66B36B710 - W-DA80ME-4G	735,85	0	30000	202,0	M286-M293
1,70	0,94	3.091	SP..56B16B800 - W-DA80ME-4G	829,83	7500	27000	113,0	M278-M285
1,72	1,80	3.052	SP..66B36B800 - W-DA80ME-4G	819,31	0	30000	202,0	M286-M293
1,74	2,66	3.011	SP..76B36B800 - W-DA80ME-4G	808,38	0	50000	293,0	M294-M301
1,56	1,63	3.376	SP..66B36B900 - W-DA80ME-4G	906,35	0	30000	202,0	M286-M293
1,57	2,39	3.353	SP..76B36B900 - W-DA80ME-4G	900,07	0	50000	293,0	M294-M301
1,40	1,47	3.750	SP..66B36B1000 - W-DA80ME-4G	1.006,86	0	30000	202,0	M286-M293
1,42	2,16	3.709	SP..76B36B1000 - W-DA80ME-4G	995,69	0	50000	293,0	M294-M301
1,24	1,29	4.252	SP..66C36B1120 - W-DA80ME-4G	1.141,54	0	30000	202,0	M286-M293
1,27	1,94	4.120	SP..76B36B1120 - W-DA80ME-4G	1.106,11	0	50000	293,0	M294-M301
1,15	1,20	4.580	SP..66C36B1250 - W-DA80ME-4G	1.229,59	0	30000	202,0	M286-M293
1,12	1,71	4.690	SP..76C36B1250 - W-DA80ME-4G	1.259,11	0	50000	293,0	M294-M301
1,01	1,06	5.201	SP..66C36B1400 - W-DA80ME-4G	1.396,25	0	30000	202,0	M286-M293
0,99	1,51	5.312	SP..76C36B1400 - W-DA80ME-4G	1.426,00	0	50000	293,0	M294-M301
1,03	2,95	5.091	SP..86C36B1400 - W-DA80ME-4G	1.366,81	0	82500	448,0	M302-M309
0,89	0,93	5.890	SP..66C36B1600 - W-DA80ME-4G	1.581,32	0	30000	202,0	M286-M293
0,91	1,38	5.792	SP..76C36B1600 - W-DA80ME-4G	1.554,99	0	50000	293,0	M294-M301
0,93	2,67	5.622	SP..86C36B1600 - W-DA80ME-4G	1.509,21	0	82500	448,0	M302-M309
0,82	0,86	6.423	SP..66C36B1800 - W-DA80ME-4G	1.724,37	0	30000	202,0	M286-M293
0,78	1,19	6.705	SP..76C36B1800 - W-DA80ME-4G	1.799,92	0	50000	293,0	M294-M301
0,78	2,23	6.726	SP..86C36B1800 - W-DA80ME-4G	1.805,63	0	82500	448,0	M302-M309
0,71	1,08	7.403	SP..76C36B2000 - W-DA80ME-4G	1.987,45	0	50000	293,0	M294-M301
0,70	2,00	7.489	SP..86C36B2000 - W-DA80ME-4G	2.010,42	0	82500	448,0	M302-M309
0,59	0,90	8.857	SP..76C36B2240 - W-DA80ME-4G	2.377,80	0	50000	293,0	M294-M301
0,63	1,81	8.284	SP..86C36B2240 - W-DA80ME-4G	2.224,01	0	82500	448,0	M302-M309
0,57	1,63	9.203	SP..86C36B2500 - W-DA80ME-4G	2.470,63	0	82500	448,0	M302-M309
0,49	1,41	10.663	SP..86C36B2800 - W-DA80ME-4G	2.862,58	0	82500	448,0	M302-M309
0,45	1,29	11.592	SP..86C36C3150 - W-DA80ME-4G	3.112,09	0	82500	448,0	M302-M309
0,42	1,19	12.641	SP..86C36C3550 - W-DA80ME-4G	3.393,61	0	82500	448,0	M302-M309
0,36	1,03	14.632	SP..86C36C4000 - W-DA80ME-4G	3.928,13	0	82500	448,0	M302-M309
0,33	0,93	16.156	SP..86C36C4500 - W-DA80ME-4G	4.337,39	0	82500	448,0	M302-M309

P 0,75 kW n ₁ 1440 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
415,48	9,51	17	SP..16B3,55 - WUDA80MS-H-4G IE2	3,47	0	3900	32,0	M246-M253
362,42	8,30	20	SP..16B4 - WUDA80MS-H-4G IE2	3,97	0	4100	32,0	M246-M253
338,24	7,75	21	SP..16B4,5 - WUDA80MS-H-4G IE2	4,26	0	4200	32,0	M246-M253
293,89	6,73	24	SP..16B5 - WUDA80MS-H-4G IE2	4,90	0	4400	32,0	M246-M253
254,21	5,82	28	SP..16B5,6 - WUDA80MS-H-4G IE2	5,66	0	4600	32,0	M246-M253
235,90	5,40	30	SP..16B6,3 - WUDA80MS-H-4G IE2	6,10	0	4700	32,0	M246-M253

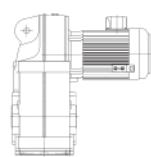


5. SP4

P 0,75 kW	n ₁ 1440 min ⁻¹	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	Diagram
n _{2ex} min ⁻¹	SF	T _{2m} Nm					
218,50	5,00	33	SP..16B7,1 - WUDA80MS-H-4G IE2	6,59	0	4800	32,0 M246-M253
186,19	4,26	38	SP..16B8 - WUDA80MS-H-4G IE2	7,73	0	5000	32,0 M246-M253
170,32	5,47	42	SP..16B9 - WUDA80MS-H-4G IE2	8,45	0	5000	32,0 M246-M253
148,57	4,77	48	SP..16B10 - WUDA80MS-H-4G IE2	9,69	0	5000	32,0 M246-M253
138,66	4,45	52	SP..16B11,2 - WUDA80MS-H-4G IE2	10,39	0	5000	32,0 M246-M253
120,48	3,87	59	SP..16B12,5 - WUDA80MS-H-4G IE2	11,95	0	5000	32,0 M246-M253
104,21	3,35	69	SP..16B14 - WUDA80MS-H-4G IE2	13,82	0	5000	32,0 M246-M253
89,57	2,88	80	SP..16B16 - WUDA80MS-H-4G IE2	16,08	0	5000	32,0 M246-M253
76,33	2,45	94	SP..16B18 - WUDA80MS-H-4G IE2	18,87	0	5000	32,0 M246-M253
70,17	2,25	102	SP..16B20 - WUDA80MS-H-4G IE2	20,52	0	5000	32,0 M246-M253
64,29	2,06	111	SP..16B22,4 - WUDA80MS-H-4G IE2	22,40	0	5000	32,0 M246-M253
58,67	1,88	122	SP..16B25 - WUDA80MS-H-4G IE2	24,55	0	5000	32,0 M246-M253
53,29	1,71	134	SP..16B28 - WUDA80MS-H-4G IE2	27,02	0	5000	32,0 M246-M253
48,13	2,96	149	SP..26B28 - WUDA80MS-H-4G IE2	29,92	5400	6900	39,0 M254-M261
48,15	1,55	149	SP..16B31,5 - WUDA80MS-H-4G IE2	29,91	0	5000	32,0 M246-M253
43,49	2,67	165	SP..26B31,5 - WUDA80MS-H-4G IE2	33,11	5500	6900	39,0 M254-M261
38,48	1,24	186	SP..16B35,5 - WUDA80MS-H-4G IE2	37,42	0	5000	32,0 M246-M253
39,03	2,40	183	SP..26B35,5 - WUDA80MS-H-4G IE2	36,89	5600	6900	39,0 M254-M261
34,57	1,11	207	SP..16B40 - WUDA80MS-H-4G IE2	41,65	0	5000	32,0 M246-M253
34,76	2,14	206	SP..26B40 - WUDA80MS-H-4G IE2	41,43	5700	6900	39,0 M254-M261
30,91	0,99	232	SP..16B45 - WUDA80MS-H-4G IE2	46,58	0	5000	32,0 M246-M253
31,23	1,92	229	SP..26B45 - WUDA80MS-H-4G IE2	46,12	5800	6900	39,0 M254-M261
29,39	0,94	244	SP..16B50 - WUDA80MS-H-4G IE2	49,00	0	5000	32,0 M246-M253
27,92	1,72	257	SP..26B50 - WUDA80MS-H-4G IE2	51,57	5900	6900	39,0 M254-M261
26,59	0,85	269	SP..16B56 - WUDA80MS-H-4G IE2	54,15	0	5000	32,0 M246-M253
24,02	1,48	298	SP..26B56 - WUDA80MS-H-4G IE2	59,95	5900	6900	39,0 M254-M261
23,93	2,84	299	SP..36B56 - WUDA80MS-H-4G IE2	60,18	8100	13500	46,0 M262-M269
21,56	1,32	332	SP..26B63 - WUDA80MS-H-4G IE2	66,79	6000	6900	39,0 M254-M261
21,63	2,57	331	SP..36B63 - WUDA80MS-H-4G IE2	66,57	8300	13500	46,0 M262-M269
20,89	1,06	343	SP..26B71 - WUDA80MS-H-4G IE2	68,94	6000	6900	39,0 M254-M261
19,47	2,31	368	SP..36B71 - WUDA80MS-H-4G IE2	73,95	8400	13500	46,0 M262-M269
17,35	0,87	413	SP..26B80 - WUDA80MS-H-4G IE2	83,01	6000	6900	39,0 M254-M261
18,48	2,19	388	SP..36B80 - WUDA80MS-H-4G IE2	77,94	8500	13500	46,0 M262-M269
16,45	1,01	435	SP..26B16B90 - WUDA80MS-H-4G IE2	87,51	4500	6900	47,5 M254-M261
16,53	1,96	433	SP..36B16B90 - WUDA80MS-H-4G IE2	87,09	4500	13500	54,5 M262-M269
16,81	1,99	426	SP..36B90 - WUDA80MS-H-4G IE2	85,68	8600	13500	46,0 M262-M269
14,14	0,87	506	SP..26B16B100 - WUDA80MS-H-4G IE2	101,81	4500	6900	47,5 M254-M261
13,54	1,51	529	SP..36B100 - WUDA80MS-H-4G IE2	106,33	8800	13500	46,0 M262-M269
14,42	1,71	497	SP..36B16B100 - WUDA80MS-H-4G IE2	99,84	4500	13500	54,5 M262-M269
13,46	1,60	532	SP..36B16B112 - WUDA80MS-H-4G IE2	106,98	4500	13500	54,5 M262-M269
11,70	1,39	612	SP..36B16B125 - WUDA80MS-H-4G IE2	123,12	4500	13500	54,5 M262-M269
11,73	2,78	611	SP..46C125 - WUDA80MS-H-4G IE2	122,80	13100	18000	72,0 M270-M277
10,12	1,20	708	SP..36B16B140 - WUDA80MS-H-4G IE2	142,34	4500	13500	54,5 M262-M269
9,80	2,33	731	SP..46C140 - WUDA80MS-H-4G IE2	146,92	13500	18000	72,0 M270-M277
9,39	1,11	763	SP..36B16B160 - WUDA80MS-H-4G IE2	153,39	4500	13500	54,5 M262-M269
8,80	2,09	814	SP..46C160 - WUDA80MS-H-4G IE2	163,58	13700	18000	72,0 M270-M277
7,87	0,93	910	SP..36B16B180 - WUDA80MS-H-4G IE2	183,04	4500	13500	54,5 M262-M269
7,91	1,88	906	SP..46B16B180 - WUDA80MS-H-4G IE2	182,15	5500	18000	80,5 M270-M277
7,96	1,89	900	SP..46C180 - WUDA80MS-H-4G IE2	180,96	13900	18000	72,0 M270-M277
7,41	0,88	967	SP..36B16B200 - WUDA80MS-H-4G IE2	194,34	4500	13500	54,5 M262-M269
6,84	1,62	1.047	SP..46B16B200 - WUDA80MS-H-4G IE2	210,58	5500	18000	80,5 M270-M277



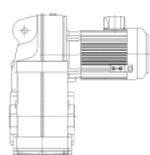
P 0,75 kW n ₁ 1440 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
7,16	1,70	1.000	SP..46C200 - WUDA80MS-H-4G IE2	201,03	14100	18000	72,0	M270-M277
6,80	2,75	1.053	SP..56B16B200 - WUDA80MS-H-4G IE2	211,76	7500	27000	117,5	M278-M285
6,18	1,47	1.158	SP..46C224 - WUDA80MS-H-4G IE2	232,92	14200	18000	72,0	M270-M277
6,35	1,51	1.129	SP..46B16B224 - WUDA80MS-H-4G IE2	226,93	5500	18000	80,5	M270-M277
6,31	2,56	1.135	SP..56B16B224 - WUDA80MS-H-4G IE2	228,20	7500	27000	117,5	M278-M285
6,50	2,63	1.101	SP..56C224 - WUDA80MS-H-4G IE2	221,46	19000	27000	109,0	M278-M285
5,88	1,40	1.219	SP..46B16B250 - WUDA80MS-H-4G IE2	245,00	5500	18000	80,5	M270-M277
5,84	2,37	1.225	SP..56B16B250 - WUDA80MS-H-4G IE2	246,37	7500	27000	117,5	M278-M285
5,92	2,40	1.210	SP..56C250 - WUDA80MS-H-4G IE2	243,22	19300	27000	109,0	M278-M285
4,98	1,18	1.438	SP..46C280 - WUDA80MS-H-4G IE2	289,06	14400	18000	72,0	M270-M277
5,01	1,19	1.430	SP..46B16B280 - WUDA80MS-H-4G IE2	287,51	5500	18000	80,5	M270-M277
4,96	2,01	1.443	SP..56C280 - WUDA80MS-H-4G IE2	290,23	19800	27000	109,0	M278-M285
4,98	2,02	1.438	SP..56B16B280 - WUDA80MS-H-4G IE2	289,13	7500	27000	117,5	M278-M285
4,60	1,09	1.555	SP..46B16B315 - WUDA80MS-H-4G IE2	312,75	5500	18000	80,5	M270-M277
4,43	1,79	1.618	SP..56C315 - WUDA80MS-H-4G IE2	325,39	20000	27000	109,0	M278-M285
4,58	1,85	1.564	SP..56B16B315 - WUDA80MS-H-4G IE2	314,51	7500	27000	117,5	M278-M285
3,85	0,91	1.860	SP..46B16B355 - WUDA80MS-H-4G IE2	374,06	5500	18000	80,5	M270-M277
3,83	1,55	1.871	SP..56B16B355 - WUDA80MS-H-4G IE2	376,16	7500	27000	117,5	M278-M285
3,48	1,41	2.060	SP..56B16B400 - WUDA80MS-H-4G IE2	414,09	7500	27000	117,5	M278-M285
3,70	2,84	1.938	SP..66B36B400 - WUDA80MS-H-4G IE2	389,65	0	30000	206,5	M286-M293
3,14	1,27	2.280	SP..56B16B450 - WUDA80MS-H-4G IE2	458,35	7500	27000	117,5	M278-M285
3,26	2,51	2.195	SP..66B36B450 - WUDA80MS-H-4G IE2	441,30	0	30000	206,5	M286-M293
2,82	1,14	2.540	SP..56B16B500 - WUDA80MS-H-4G IE2	510,66	7500	27000	117,5	M278-M285
2,99	2,30	2.393	SP..66B36B500 - WUDA80MS-H-4G IE2	481,22	0	30000	206,5	M286-M293
2,51	1,02	2.852	SP..56B16B560 - WUDA80MS-H-4G IE2	573,43	7500	27000	117,5	M278-M285
2,59	1,99	2.770	SP..66B36B560 - WUDA80MS-H-4G IE2	557,02	0	30000	206,5	M286-M293
2,26	0,91	3.175	SP..56B16B630 - WUDA80MS-H-4G IE2	638,33	7500	27000	117,5	M278-M285
2,34	1,80	3.059	SP..66B36B630 - WUDA80MS-H-4G IE2	615,05	0	30000	206,5	M286-M293
2,35	2,63	3.043	SP..76B36B630 - WUDA80MS-H-4G IE2	611,92	0	50000	297,5	M294-M301
1,96	1,50	3.660	SP..66B36B710 - WUDA80MS-H-4G IE2	735,85	0	30000	206,5	M286-M293
2,13	2,38	3.361	SP..76B36B710 - WUDA80MS-H-4G IE2	675,68	0	50000	297,5	M294-M301
1,76	1,35	4.075	SP..66B36B800 - WUDA80MS-H-4G IE2	819,31	0	30000	206,5	M286-M293
1,78	1,99	4.021	SP..76B36B800 - WUDA80MS-H-4G IE2	808,38	0	50000	297,5	M294-M301
1,59	1,22	4.508	SP..66B36B900 - WUDA80MS-H-4G IE2	906,35	0	30000	206,5	M286-M293
1,60	1,79	4.477	SP..76B36B900 - WUDA80MS-H-4G IE2	900,07	0	50000	297,5	M294-M301
1,43	1,10	5.008	SP..66B36B1000 - WUDA80MS-H-4G IE2	1.006,86	0	30000	206,5	M286-M293
1,45	1,62	4.952	SP..76B36B1000 - WUDA80MS-H-4G IE2	995,69	0	50000	297,5	M294-M301
1,26	0,97	5.678	SP..66C36B1120 - WUDA80MS-H-4G IE2	1.141,54	0	30000	206,5	M286-M293
1,30	1,45	5.501	SP..76B36B1120 - WUDA80MS-H-4G IE2	1.106,11	0	50000	297,5	M294-M301
1,33	2,79	5.386	SP..86C36B1120 - WUDA80MS-H-4G IE2	1.082,86	0	82500	452,5	M302-M309
1,22	2,55	5.873	SP..86C36B1200 - WUDA80MS-H-4G IE2	1.180,82	0	82500	452,5	M302-M309
1,17	0,90	6.115	SP..66C36B1250 - WUDA80MS-H-4G IE2	1.229,59	0	30000	206,5	M286-M293
1,14	1,28	6.262	SP..76C36B1250 - WUDA80MS-H-4G IE2	1.259,11	0	50000	297,5	M294-M301
1,01	1,13	7.092	SP..76C36B1400 - WUDA80MS-H-4G IE2	1.426,00	0	50000	297,5	M294-M301
1,05	2,21	6.798	SP..86C36B1400 - WUDA80MS-H-4G IE2	1.366,81	0	82500	452,5	M302-M309
0,93	1,03	7.734	SP..76C36B1600 - WUDA80MS-H-4G IE2	1.554,99	0	50000	297,5	M294-M301
0,95	2,00	7.506	SP..86C36B1600 - WUDA80MS-H-4G IE2	1.509,21	0	82500	452,5	M302-M309
0,80	0,89	8.952	SP..76C36B1800 - WUDA80MS-H-4G IE2	1.799,92	0	50000	297,5	M294-M301
0,80	1,67	8.980	SP..86C36B1800 - WUDA80MS-H-4G IE2	1.805,63	0	82500	452,5	M302-M309
0,72	1,50	9.999	SP..86C36B2000 - WUDA80MS-H-4G IE2	2.010,42	0	82500	452,5	M302-M309
0,65	1,36	11.061	SP..86C36B2240 - WUDA80MS-H-4G IE2	2.224,01	0	82500	452,5	M302-M309



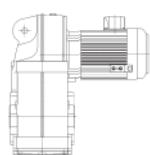
5. SP4

P 0,75 kW n ₁ 1440 min ⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
0,58	1,22	12.288	SP..86C36B2500 - WUDA80MS-H-4G IE2	2.470,63	0	82500	452,5	M302-M309	
0,50	1,05	14.237	SP..86C36B2800 - WUDA80MS-H-4G IE2	2.862,58	0	82500	452,5	M302-M309	
0,46	0,97	15.478	SP..86C36C3150 - WUDA80MS-H-4G IE2	3.112,09	0	82500	452,5	M302-M309	
0,42	0,89	16.878	SP..86C36C3550 - WUDA80MS-H-4G IE2	3.393,61	0	82500	452,5	M302-M309	
254,21	5,82	28	SP..16B5,6 - WUDA80MS-H-4G IE2	5,66	0	4600	32,0	M246-M253	
235,90	5,40	30	SP..16B6,3 - WUDA80MS-H-4G IE2	6,10	0	4700	32,0	M246-M253	

P 1,10 kW n ₁ 1425 min ⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
411,16	6,42	26	SP..16B3,55 - WUDA90SRX-H-4G IE2	3,47	0	3900	36,0	M246-M253	
358,65	5,60	29	SP..16B4 - WUDA90SRX-H-4G IE2	3,97	0	4000	36,0	M246-M253	
334,71	5,23	31	SP..16B4,5 - WUDA90SRX-H-4G IE2	4,26	0	4100	36,0	M246-M253	
290,83	4,54	36	SP..16B5 - WUDA90SRX-H-4G IE2	4,90	0	4300	36,0	M246-M253	
251,56	3,93	42	SP..16B5,6 - WUDA90SRX-H-4G IE2	5,66	0	4400	36,0	M246-M253	
233,44	3,64	45	SP..16B6,3 - WUDA90SRX-H-4G IE2	6,10	0	4500	36,0	M246-M253	
216,22	3,38	49	SP..16B7,1 - WUDA90SRX-H-4G IE2	6,59	0	4600	36,0	M246-M253	
184,25	2,88	57	SP..16B8 - WUDA90SRX-H-4G IE2	7,73	0	4800	36,0	M246-M253	
168,55	3,69	62	SP..16B9 - WUDA90SRX-H-4G IE2	8,45	0	5000	36,0	M246-M253	
147,02	3,22	71	SP..16B10 - WUDA90SRX-H-4G IE2	9,69	0	5000	36,0	M246-M253	
137,21	3,00	77	SP..16B11,2 - WUDA90SRX-H-4G IE2	10,39	0	5000	36,0	M246-M253	
119,22	2,61	88	SP..16B12,5 - WUDA90SRX-H-4G IE2	11,95	0	5000	36,0	M246-M253	
103,13	2,26	102	SP..16B14 - WUDA90SRX-H-4G IE2	13,82	0	5000	36,0	M246-M253	
88,64	1,94	119	SP..16B16 - WUDA90SRX-H-4G IE2	16,08	0	5000	36,0	M246-M253	
75,53	1,65	139	SP..16B18 - WUDA90SRX-H-4G IE2	18,87	0	5000	36,0	M246-M253	
69,44	1,52	151	SP..16B20 - WUDA90SRX-H-4G IE2	20,52	0	5000	36,0	M246-M253	
68,22	2,86	154	SP..26B20 - WUDA90SRX-H-4G IE2	20,89	4600	6900	43,0	M254-M261	
63,62	1,39	165	SP..16B22,4 - WUDA90SRX-H-4G IE2	22,40	0	5000	36,0	M246-M253	
62,72	2,63	167	SP..26B22,4 - WUDA90SRX-H-4G IE2	22,72	4700	6900	43,0	M254-M261	
58,06	1,27	181	SP..16B25 - WUDA90SRX-H-4G IE2	24,55	0	5000	36,0	M246-M253	
52,44	2,20	200	SP..26B25 - WUDA90SRX-H-4G IE2	27,18	4800	6900	43,0	M254-M261	
52,74	1,15	199	SP..16B28 - WUDA90SRX-H-4G IE2	27,02	0	5000	36,0	M246-M253	
47,63	2,00	221	SP..26B28 - WUDA90SRX-H-4G IE2	29,92	4800	6900	43,0	M254-M261	
47,64	1,04	220	SP..16B31,5 - WUDA90SRX-H-4G IE2	29,91	0	5000	36,0	M246-M253	
43,03	1,80	244	SP..26B31,5 - WUDA90SRX-H-4G IE2	33,11	4900	6900	43,0	M254-M261	
38,63	1,62	272	SP..26B35,5 - WUDA90SRX-H-4G IE2	36,89	4900	6900	43,0	M254-M261	
34,40	1,44	305	SP..26B40 - WUDA90SRX-H-4G IE2	41,43	5000	6900	43,0	M254-M261	
34,83	2,82	302	SP..36B40 - WUDA90SRX-H-4G IE2	40,91	6900	13500	50,0	M262-M269	
30,90	1,29	340	SP..26B45 - WUDA90SRX-H-4G IE2	46,12	5000	6900	43,0	M254-M261	
31,55	2,55	333	SP..36B45 - WUDA90SRX-H-4G IE2	45,17	7100	13500	50,0	M262-M269	
27,63	1,16	380	SP..26B50 - WUDA90SRX-H-4G IE2	51,57	5000	6900	43,0	M254-M261	
26,37	2,13	398	SP..36B50 - WUDA90SRX-H-4G IE2	54,05	7200	13500	50,0	M262-M269	
23,77	1,00	442	SP..26B56 - WUDA90SRX-H-4G IE2	59,95	4900	6900	43,0	M254-M261	
23,68	1,92	444	SP..36B56 - WUDA90SRX-H-4G IE2	60,18	7300	13500	50,0	M262-M269	
21,34	0,89	492	SP..26B63 - WUDA90SRX-H-4G IE2	66,79	4900	6900	43,0	M254-M261	
21,41	1,73	491	SP..36B63 - WUDA90SRX-H-4G IE2	66,57	7400	13500	50,0	M262-M269	
19,27	1,56	545	SP..36B71 - WUDA90SRX-H-4G IE2	73,95	7400	13500	50,0	M262-M269	
18,76	2,95	560	SP..46B71 - WUDA90SRX-H-4G IE2	75,97	11000	18000	76,0	M270-M277	



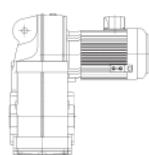
P 1,10 kW n ₁ 1425 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
18,28	1,48	575	SP..36B80 - WUDA90SRX-H-4G IE2	77,94	7400	13500	50,0	M262-M269
16,36	1,32	642	SP..36B16B90 - WUDA90SRX-H-4G IE2	87,09	4500	13500	58,5	M262-M269
16,63	1,35	632	SP..36B90 - WUDA90SRX-H-4G IE2	85,68	7400	13500	50,0	M262-M269
16,17	2,62	649	SP..46C90 - WUDA90SRX-H-4G IE2	88,11	11200	18000	76,0	M270-M277
13,40	1,02	784	SP..36B100 - WUDA90SRX-H-4G IE2	106,33	7400	13500	50,0	M262-M269
14,27	1,15	736	SP..36B16B100 - WUDA90SRX-H-4G IE2	99,84	4500	13500	58,5	M262-M269
14,83	2,40	708	SP..46C100 - WUDA90SRX-H-4G IE2	96,08	11400	18000	76,0	M270-M277
13,32	1,08	789	SP..36B16B112 - WUDA90SRX-H-4G IE2	106,98	4500	13500	58,5	M262-M269
12,81	2,07	820	SP..46C112 - WUDA90SRX-H-4G IE2	111,21	11600	18000	76,0	M270-M277
11,57	0,94	908	SP..36B16B125 - WUDA90SRX-H-4G IE2	123,12	4500	13500	58,5	M262-M269
11,60	1,88	905	SP..46C125 - WUDA90SRX-H-4G IE2	122,80	11700	18000	76,0	M270-M277
9,70	1,57	1.083	SP..46C140 - WUDA90SRX-H-4G IE2	146,92	11800	18000	76,0	M270-M277
10,26	2,83	1.024	SP..56C140 - WUDA90SRX-H-4G IE2	138,87	15900	27000	113,0	M278-M285
8,71	1,41	1.206	SP..46C160 - WUDA90SRX-H-4G IE2	163,58	11800	18000	76,0	M270-M277
9,19	2,54	1.143	SP..56C160 - WUDA90SRX-H-4G IE2	155,10	16200	27000	113,0	M278-M285
7,82	1,27	1.343	SP..46B16B180 - WUDA90SRX-H-4G IE2	182,15	5500	18000	84,5	M270-M277
7,87	1,27	1.334	SP..46C180 - WUDA90SRX-H-4G IE2	180,96	11800	18000	76,0	M270-M277
7,78	2,15	1.350	SP..56B16B180 - WUDA90SRX-H-4G IE2	183,17	7500	27000	121,5	M278-M285
8,05	2,22	1.304	SP..56C180 - WUDA90SRX-H-4G IE2	176,96	16500	27000	113,0	M278-M285
6,77	1,10	1.552	SP..46B16B200 - WUDA90SRX-H-4G IE2	210,58	5500	18000	84,5	M270-M277
7,09	1,15	1.482	SP..46C200 - WUDA90SRX-H-4G IE2	201,03	11800	18000	76,0	M270-M277
6,73	1,86	1.561	SP..56B16B200 - WUDA90SRX-H-4G IE2	211,76	7500	27000	121,5	M278-M285
7,43	2,05	1.414	SP..56C200 - WUDA90SRX-H-4G IE2	191,86	16600	27000	113,0	M278-M285
6,12	0,99	1.717	SP..46C224 - WUDA90SRX-H-4G IE2	232,92	11600	18000	76,0	M270-M277
6,28	1,02	1.673	SP..46B16B224 - WUDA90SRX-H-4G IE2	226,93	5500	18000	84,5	M270-M277
6,24	1,72	1.682	SP..56B16B224 - WUDA90SRX-H-4G IE2	228,20	7500	27000	121,5	M278-M285
6,43	1,78	1.632	SP..56C224 - WUDA90SRX-H-4G IE2	221,46	16800	27000	113,0	M278-M285
5,82	0,94	1.806	SP..46B16B250 - WUDA90SRX-H-4G IE2	245,00	5500	18000	84,5	M270-M277
5,78	1,60	1.816	SP..56B16B250 - WUDA90SRX-H-4G IE2	246,37	7500	27000	121,5	M278-M285
5,86	1,62	1.793	SP..56C250 - WUDA90SRX-H-4G IE2	243,22	16900	27000	113,0	M278-M285
5,60	2,93	1.875	SP..66B36B250 - WUDA90SRX-H-4G IE2	254,37	0	30000	210,5	M286-M293
4,91	1,36	2.139	SP..56C280 - WUDA90SRX-H-4G IE2	290,23	16900	27000	113,0	M278-M285
4,93	1,36	2.131	SP..56B16B280 - WUDA90SRX-H-4G IE2	289,13	7500	27000	121,5	M278-M285
5,23	2,74	2.008	SP..66B36B280 - WUDA90SRX-H-4G IE2	272,44	0	30000	210,5	M286-M293
4,38	1,21	2.399	SP..56C315 - WUDA90SRX-H-4G IE2	325,39	16900	27000	113,0	M278-M285
4,53	1,25	2.318	SP..56B16B315 - WUDA90SRX-H-4G IE2	314,51	7500	27000	121,5	M278-M285
4,47	2,34	2.348	SP..66B36B315 - WUDA90SRX-H-4G IE2	318,57	0	30000	210,5	M286-M293
3,79	1,05	2.773	SP..56B16B355 - WUDA90SRX-H-4G IE2	376,16	7500	27000	121,5	M278-M285
4,15	2,17	2.529	SP..66B36B355 - WUDA90SRX-H-4G IE2	343,14	0	30000	210,5	M286-M293
3,44	0,95	3.052	SP..56B16B400 - WUDA90SRX-H-4G IE2	414,09	7500	27000	121,5	M278-M285
3,66	1,91	2.872	SP..66B36B400 - WUDA90SRX-H-4G IE2	389,65	0	30000	210,5	M286-M293
3,78	2,88	2.779	SP..76B36B400 - WUDA90SRX-H-4G IE2	376,96	0	50000	301,5	M294-M301
3,11	0,86	3.379	SP..56B16B450 - WUDA90SRX-H-4G IE2	458,35	7500	27000	121,5	M278-M285
3,23	1,69	3.253	SP..66B36B450 - WUDA90SRX-H-4G IE2	441,30	0	30000	210,5	M286-M293
3,33	2,54	3.155	SP..76B36B450 - WUDA90SRX-H-4G IE2	428,06	0	50000	301,5	M294-M301
2,96	1,55	3.547	SP..66B36B500 - WUDA90SRX-H-4G IE2	481,22	0	30000	210,5	M286-M293
2,94	2,24	3.574	SP..76B36B500 - WUDA90SRX-H-4G IE2	484,80	0	50000	301,5	M294-M301
2,56	1,34	4.106	SP..66B36B560 - WUDA90SRX-H-4G IE2	557,02	0	30000	210,5	M286-M293
2,70	2,05	3.897	SP..76B36B560 - WUDA90SRX-H-4G IE2	528,65	0	50000	301,5	M294-M301
2,32	1,21	4.534	SP..66B36B630 - WUDA90SRX-H-4G IE2	615,05	0	30000	210,5	M286-M293
2,33	1,77	4.511	SP..76B36B630 - WUDA90SRX-H-4G IE2	611,92	0	50000	301,5	M294-M301



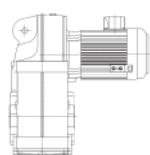
5. SP4

P 1,10 kW n ₁ 1425 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
1,94	1,01	5.424	SP..66B36B710 - WUDA90SRX-H-4G IE2	735,85	0	30000	210,5	M286-M293
2,11	1,61	4.981	SP..76B36B710 - WUDA90SRX-H-4G IE2	675,68	0	50000	301,5	M294-M301
2,04	2,91	5.160	SP..86C36B710 - WUDA90SRX-H-4G IE2	700,06	0	82500	456,5	M302-M309
1,74	0,91	6.039	SP..66B36B800 - WUDA90SRX-H-4G IE2	819,31	0	30000	210,5	M286-M293
1,76	1,34	5.959	SP..76B36B800 - WUDA90SRX-H-4G IE2	808,38	0	50000	301,5	M294-M301
1,87	2,67	5.627	SP..86C36B800 - WUDA90SRX-H-4G IE2	763,39	0	82500	456,5	M302-M309
1,58	1,21	6.635	SP..76B36B900 - WUDA90SRX-H-4G IE2	900,07	0	50000	301,5	M294-M301
1,61	2,30	6.514	SP..86C36B900 - WUDA90SRX-H-4G IE2	883,63	0	82500	456,5	M302-M309
1,43	1,09	7.340	SP..76B36B1000 - WUDA90SRX-H-4G IE2	995,69	0	50000	301,5	M294-M301
1,49	2,13	7.048	SP..86C36B1000 - WUDA90SRX-H-4G IE2	956,13	0	82500	456,5	M302-M309
1,29	0,98	8.154	SP..76B36B1120 - WUDA90SRX-H-4G IE2	1.106,11	0	50000	301,5	M294-M301
1,32	1,88	7.982	SP..86C36B1120 - WUDA90SRX-H-4G IE2	1.082,86	0	82500	456,5	M302-M309
1,21	1,72	8.704	SP..86C36B1200 - WUDA90SRX-H-4G IE2	1.180,82	0	82500	456,5	M302-M309
1,13	0,86	9.281	SP..76C36B1250 - WUDA90SRX-H-4G IE2	1.259,11	0	50000	301,5	M294-M301
1,04	1,49	10.075	SP..86C36B1400 - WUDA90SRX-H-4G IE2	1.366,81	0	82500	456,5	M302-M309
0,94	1,35	11.125	SP..86C36B1600 - WUDA90SRX-H-4G IE2	1.509,21	0	82500	456,5	M302-M309
0,79	1,13	13.310	SP..86C36B1800 - WUDA90SRX-H-4G IE2	1.805,63	0	82500	456,5	M302-M309
0,71	1,01	14.820	SP..86C36B2000 - WUDA90SRX-H-4G IE2	2.010,42	0	82500	456,5	M302-M309
0,64	0,91	16.394	SP..86C36B2240 - WUDA90SRX-H-4G IE2	2.224,01	0	82500	456,5	M302-M309

P 1,50 kW n ₁ 1440 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
415,48	4,76	34	SP..16B3,55 - WUDA90LWX-H-4G IE2	3,47	0	3800	38,0	M246-M253
362,42	4,15	40	SP..16B4 - WUDA90LWX-H-4G IE2	3,97	0	3900	38,0	M246-M253
338,24	3,87	42	SP..16B4,5 - WUDA90LWX-H-4G IE2	4,26	0	4000	38,0	M246-M253
293,89	3,36	49	SP..16B5 - WUDA90LWX-H-4G IE2	4,90	0	4100	38,0	M246-M253
254,21	2,91	56	SP..16B5,6 - WUDA90LWX-H-4G IE2	5,66	0	4300	38,0	M246-M253
235,90	2,70	61	SP..16B6,3 - WUDA90LWX-H-4G IE2	6,10	0	4300	38,0	M246-M253
218,50	2,50	66	SP..16B7,1 - WUDA90LWX-H-4G IE2	6,59	0	4400	38,0	M246-M253
189,47	2,91	76	SP..26B7,1 - WUDA90LWX-H-4G IE2	7,60	3500	6900	45,0	M254-M261
186,19	2,13	77	SP..16B8 - WUDA90LWX-H-4G IE2	7,73	0	4600	38,0	M246-M253
175,82	2,70	81	SP..26B8 - WUDA90LWX-H-4G IE2	8,19	3500	6900	45,0	M254-M261
170,32	2,73	84	SP..16B9 - WUDA90LWX-H-4G IE2	8,45	0	4800	38,0	M246-M253
148,57	2,39	96	SP..16B10 - WUDA90LWX-H-4G IE2	9,69	0	4900	38,0	M246-M253
138,66	2,23	103	SP..16B11,2 - WUDA90LWX-H-4G IE2	10,39	0	5000	38,0	M246-M253
120,48	1,93	119	SP..16B12,5 - WUDA90LWX-H-4G IE2	11,95	0	5000	38,0	M246-M253
104,21	1,67	137	SP..16B14 - WUDA90LWX-H-4G IE2	13,82	0	5000	38,0	M246-M253
94,13	2,89	152	SP..26B14 - WUDA90LWX-H-4G IE2	15,30	4000	6900	45,0	M254-M261
89,57	1,44	160	SP..16B16 - WUDA90LWX-H-4G IE2	16,08	0	5000	38,0	M246-M253
87,34	2,68	164	SP..26B16 - WUDA90LWX-H-4G IE2	16,49	4100	6900	45,0	M254-M261
76,33	1,23	188	SP..16B18 - WUDA90LWX-H-4G IE2	18,87	0	5000	38,0	M246-M253
80,90	2,49	177	SP..26B18 - WUDA90LWX-H-4G IE2	17,80	4100	6900	45,0	M254-M261
70,17	1,13	204	SP..16B20 - WUDA90LWX-H-4G IE2	20,52	0	5000	38,0	M246-M253
68,94	2,12	208	SP..26B20 - WUDA90LWX-H-4G IE2	20,89	4200	6900	45,0	M254-M261
64,29	1,03	223	SP..16B22,4 - WUDA90LWX-H-4G IE2	22,40	0	5000	38,0	M246-M253
63,38	1,95	226	SP..26B22,4 - WUDA90LWX-H-4G IE2	22,72	4200	6900	45,0	M254-M261
58,67	0,94	244	SP..16B25 - WUDA90LWX-H-4G IE2	24,55	0	5000	38,0	M246-M253



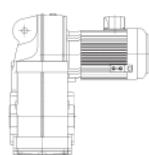
P 1,50 kW n ₁ 1440 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
52,99	1,63	270	SP..26B25 - WUDA90LWX-H-4G IE2	27,18	4300	6900	45,0	M254-M261
53,29	0,86	269	SP..16B28 - WUDA90LWX-H-4G IE2	27,02	0	5000	38,0	M246-M253
48,13	1,48	298	SP..26B28 - WUDA90LWX-H-4G IE2	29,92	4300	6900	45,0	M254-M261
50,32	2,99	285	SP..36B28 - WUDA90LWX-H-4G IE2	28,62	6000	13500	52,0	M262-M269
43,49	1,34	329	SP..26B31,5 - WUDA90LWX-H-4G IE2	33,11	4300	6900	45,0	M254-M261
44,43	2,64	322	SP..36B31,5 - WUDA90LWX-H-4G IE2	32,41	6100	13500	52,0	M262-M269
39,03	1,20	367	SP..26B35,5 - WUDA90LWX-H-4G IE2	36,89	4200	6900	45,0	M254-M261
40,74	2,42	352	SP..36B35,5 - WUDA90LWX-H-4G IE2	35,34	6200	13500	52,0	M262-M269
34,76	1,07	412	SP..26B40 - WUDA90LWX-H-4G IE2	41,43	4200	6900	45,0	M254-M261
35,20	2,09	407	SP..36B40 - WUDA90LWX-H-4G IE2	40,91	6300	13500	52,0	M262-M269
31,23	0,96	459	SP..26B45 - WUDA90LWX-H-4G IE2	46,12	4100	6900	45,0	M254-M261
31,88	1,89	449	SP..36B45 - WUDA90LWX-H-4G IE2	45,17	6300	13500	52,0	M262-M269
27,92	0,86	513	SP..26B50 - WUDA90LWX-H-4G IE2	51,57	4000	6900	45,0	M254-M261
26,64	1,58	538	SP..36B50 - WUDA90LWX-H-4G IE2	54,05	6300	13500	52,0	M262-M269
28,35	2,97	505	SP..46C50 - WUDA90LWX-H-4G IE2	50,79	9500	18000	78,0	M270-M277
23,93	1,42	599	SP..36B56 - WUDA90LWX-H-4G IE2	60,18	6300	13500	52,0	M262-M269
26,47	2,85	541	SP..46C56 - WUDA90LWX-H-4G IE2	54,40	9600	18000	78,0	M270-M277
21,63	1,28	662	SP..36B63 - WUDA90LWX-H-4G IE2	66,57	6300	13500	52,0	M262-M269
21,25	2,52	674	SP..46B63 - WUDA90LWX-H-4G IE2	67,76	9900	18000	78,0	M270-M277
22,64	2,56	633	SP..46C63 - WUDA90LWX-H-4G IE2	63,60	9800	18000	78,0	M270-M277
19,47	1,16	736	SP..36B71 - WUDA90LWX-H-4G IE2	73,95	6200	13500	52,0	M262-M269
18,96	2,18	756	SP..46B71 - WUDA90LWX-H-4G IE2	75,97	10000	18000	78,0	M270-M277
21,02	2,44	681	SP..46C71 - WUDA90LWX-H-4G IE2	68,51	9900	18000	78,0	M270-M277
18,48	1,10	775	SP..36B80 - WUDA90LWX-H-4G IE2	77,94	6200	13500	52,0	M262-M269
16,53	0,98	866	SP..36B16B90 - WUDA90LWX-H-4G IE2	87,09	4500	13500	61,0	M262-M269
16,81	1,00	852	SP..36B90 - WUDA90LWX-H-4G IE2	85,68	6000	13500	52,0	M262-M269
16,34	1,94	876	SP..46C90 - WUDA90LWX-H-4G IE2	88,11	10100	18000	78,0	M270-M277
14,42	0,86	993	SP..36B16B100 - WUDA90LWX-H-4G IE2	99,84	4500	13500	61,0	M262-M269
14,99	1,78	956	SP..46C100 - WUDA90LWX-H-4G IE2	96,08	10100	18000	78,0	M270-M277
12,95	1,54	1.106	SP..46C112 - WUDA90LWX-H-4G IE2	111,21	10100	18000	78,0	M270-M277
13,03	2,64	1.099	SP..56C112 - WUDA90LWX-H-4G IE2	110,51	14100	27000	115,0	M278-M285
11,73	1,39	1.221	SP..46C125 - WUDA90LWX-H-4G IE2	122,80	10100	18000	78,0	M270-M277
11,10	2,25	1.291	SP..56C125 - WUDA90LWX-H-4G IE2	129,77	14300	27000	115,0	M278-M285
9,80	1,16	1.461	SP..46C140 - WUDA90LWX-H-4G IE2	146,92	9900	18000	78,0	M270-M277
10,37	2,10	1.381	SP..56C140 - WUDA90LWX-H-4G IE2	138,87	14400	27000	115,0	M278-M285
8,80	1,04	1.627	SP..46C160 - WUDA90LWX-H-4G IE2	163,58	9700	18000	78,0	M270-M277
9,28	1,88	1.543	SP..56C160 - WUDA90LWX-H-4G IE2	155,10	14500	27000	115,0	M278-M285
7,91	0,94	1.812	SP..46B16B180 - WUDA90LWX-H-4G IE2	182,15	5500	18000	87,0	M270-M277
7,96	0,94	1.800	SP..46C180 - WUDA90LWX-H-4G IE2	180,96	9500	18000	78,0	M270-M277
7,86	1,59	1.822	SP..56B16B180 - WUDA90LWX-H-4G IE2	183,17	7500	27000	124,0	M278-M285
8,14	1,65	1.760	SP..56C180 - WUDA90LWX-H-4G IE2	176,96	14500	27000	115,0	M278-M285
7,16	0,85	2.000	SP..46C200 - WUDA90LWX-H-4G IE2	201,03	9200	18000	78,0	M270-M277
6,80	1,38	2.106	SP..56B16B200 - WUDA90LWX-H-4G IE2	211,76	7500	27000	124,0	M278-M285
7,51	1,52	1.908	SP..56C200 - WUDA90LWX-H-4G IE2	191,86	14500	27000	115,0	M278-M285
6,31	1,28	2.270	SP..56B16B224 - WUDA90LWX-H-4G IE2	228,20	7500	27000	124,0	M278-M285
6,50	1,32	2.203	SP..56C224 - WUDA90LWX-H-4G IE2	221,46	14400	27000	115,0	M278-M285
6,28	2,41	2.279	SP..66B36B224 - WUDA90LWX-H-4G IE2	229,15	0	30000	213,0	M286-M293
5,84	1,18	2.451	SP..56B16B250 - WUDA90LWX-H-4G IE2	246,37	7500	27000	124,0	M278-M285
5,92	1,20	2.419	SP..56C250 - WUDA90LWX-H-4G IE2	243,22	14200	27000	115,0	M278-M285
5,66	2,17	2.530	SP..66B36B250 - WUDA90LWX-H-4G IE2	254,37	0	30000	213,0	M286-M293
4,96	1,00	2.887	SP..56C280 - WUDA90LWX-H-4G IE2	290,23	13700	27000	115,0	M278-M285



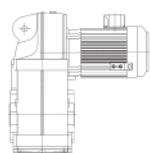
5. SP4

P 1,50 kW n ₁ 1440 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
4,98	1,01	2.876	SP..56B16B280 - WUDA90LWX-H-4G IE2	289,13	7500	27000	124,0	M278-M285
5,29	2,03	2.710	SP..66B36B280 - WUDA90LWX-H-4G IE2	272,44	0	30000	213,0	M286-M293
5,15	2,88	2.780	SP..76B36B280 - WUDA90LWX-H-4G IE2	279,45	0	50000	304,0	M294-M301
4,43	0,90	3.237	SP..56C315 - WUDA90LWX-H-4G IE2	325,39	13300	27000	115,0	M278-M285
4,58	0,93	3.128	SP..56B16B315 - WUDA90LWX-H-4G IE2	314,51	7500	27000	124,0	M278-M285
4,52	1,74	3.169	SP..66B36B315 - WUDA90LWX-H-4G IE2	318,57	0	30000	213,0	M286-M293
4,81	2,69	2.977	SP..76B36B315 - WUDA90LWX-H-4G IE2	299,30	0	50000	304,0	M294-M301
4,20	1,61	3.413	SP..66B36B355 - WUDA90LWX-H-4G IE2	343,14	0	30000	213,0	M286-M293
4,11	2,30	3.481	SP..76B36B355 - WUDA90LWX-H-4G IE2	349,97	0	50000	304,0	M294-M301
3,70	1,42	3.876	SP..66B36B400 - WUDA90LWX-H-4G IE2	389,65	0	30000	213,0	M286-M293
3,82	2,13	3.750	SP..76B36B400 - WUDA90LWX-H-4G IE2	376,96	0	50000	304,0	M294-M301
3,26	1,25	4.390	SP..66B36B450 - WUDA90LWX-H-4G IE2	441,30	0	30000	213,0	M286-M293
3,36	1,88	4.258	SP..76B36B450 - WUDA90LWX-H-4G IE2	428,06	0	50000	304,0	M294-M301
2,99	1,15	4.787	SP..66B36B500 - WUDA90LWX-H-4G IE2	481,22	0	30000	213,0	M286-M293
2,97	1,66	4.822	SP..76B36B500 - WUDA90LWX-H-4G IE2	484,80	0	50000	304,0	M294-M301
2,85	2,98	5.027	SP..86C36B500 - WUDA90LWX-H-4G IE2	505,37	0	82500	459,0	M302-M309
2,59	0,99	5.541	SP..66B36B560 - WUDA90LWX-H-4G IE2	557,02	0	30000	213,0	M286-M293
2,72	1,52	5.259	SP..76B36B560 - WUDA90LWX-H-4G IE2	528,65	0	50000	304,0	M294-M301
2,65	2,77	5.415	SP..86C36B560 - WUDA90LWX-H-4G IE2	544,34	0	82500	459,0	M302-M309
2,34	0,90	6.118	SP..66B36B630 - WUDA90LWX-H-4G IE2	615,05	0	30000	213,0	M286-M293
2,35	1,31	6.087	SP..76B36B630 - WUDA90LWX-H-4G IE2	611,92	0	50000	304,0	M294-M301
2,33	2,44	6.149	SP..86C36B630 - WUDA90LWX-H-4G IE2	618,13	0	82500	459,0	M302-M309
2,13	1,19	6.721	SP..76B36B710 - WUDA90LWX-H-4G IE2	675,68	0	50000	304,0	M294-M301
2,06	2,15	6.964	SP..86C36B710 - WUDA90LWX-H-4G IE2	700,06	0	82500	459,0	M302-M309
1,78	0,99	8.041	SP..76B36B800 - WUDA90LWX-H-4G IE2	808,38	0	50000	304,0	M294-M301
1,89	1,98	7.594	SP..86C36B800 - WUDA90LWX-H-4G IE2	763,39	0	82500	459,0	M302-M309
1,60	0,89	8.953	SP..76B36B900 - WUDA90LWX-H-4G IE2	900,07	0	50000	304,0	M294-M301
1,63	1,71	8.790	SP..86C36B900 - WUDA90LWX-H-4G IE2	883,63	0	82500	459,0	M302-M309
1,51	1,58	9.511	SP..86C36B1000 - WUDA90LWX-H-4G IE2	956,13	0	82500	459,0	M302-M309
1,33	1,39	10.771	SP..86C36B1120 - WUDA90LWX-H-4G IE2	1.082,86	0	82500	459,0	M302-M309
1,22	1,28	11.746	SP..86C36B1200 - WUDA90LWX-H-4G IE2	1.180,82	0	82500	459,0	M302-M309
1,05	1,10	13.596	SP..86C36B1400 - WUDA90LWX-H-4G IE2	1.366,81	0	82500	459,0	M302-M309
0,95	1,00	15.012	SP..86C36B1600 - WUDA90LWX-H-4G IE2	1.509,21	0	82500	459,0	M302-M309

P 2,20 kW n ₁ 1435 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
414,04	3,23	51	SP..16B3,55 - WUDA100LS-H-4G IE2	3,47	0	3600	49,0	M246-M253
361,17	2,82	58	SP..16B4 - WUDA100LS-H-4G IE2	3,97	0	3700	49,0	M246-M253
337,06	2,63	62	SP..16B4,5 - WUDA100LS-H-4G IE2	4,26	0	3800	49,0	M246-M253
292,87	2,29	72	SP..16B5 - WUDA100LS-H-4G IE2	4,90	0	3900	49,0	M246-M253
269,19	2,82	78	SP..26B5 - WUDA100LS-H-4G IE2	5,33	3000	6900	56,0	M254-M261
253,33	1,98	83	SP..16B5,6 - WUDA100LS-H-4G IE2	5,66	0	4000	49,0	M246-M253
251,23	2,63	84	SP..26B5,6 - WUDA100LS-H-4G IE2	5,71	3000	6900	56,0	M254-M261
235,08	1,84	89	SP..16B6,3 - WUDA100LS-H-4G IE2	6,10	0	4100	49,0	M246-M253
218,29	2,29	96	SP..26B6,3 - WUDA100LS-H-4G IE2	6,57	3100	6900	56,0	M254-M261
217,74	1,70	96	SP..16B7,1 - WUDA100LS-H-4G IE2	6,59	0	4100	49,0	M246-M253
188,82	1,98	111	SP..26B7,1 - WUDA100LS-H-4G IE2	7,60	3200	6900	56,0	M254-M261

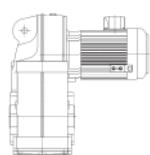


P 2,20 kW n ₁ 1435 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
185,54	1,45	113	SP..16B8 - WUDA100LS-H-4G IE2	7,73	0	4200	49,0	M246-M253
175,21	1,83	120	SP..26B8 - WUDA100LS-H-4G IE2	8,19	3200	6900	56,0	M254-M261
169,73	1,86	124	SP..16B9 - WUDA100LS-H-4G IE2	8,45	0	4400	49,0	M246-M253
148,06	1,62	142	SP..16B10 - WUDA100LS-H-4G IE2	9,69	0	4500	49,0	M246-M253
133,73	2,77	157	SP..26B10 - WUDA100LS-H-4G IE2	10,73	3400	6900	56,0	M254-M261
138,17	1,51	152	SP..16B11,2 - WUDA100LS-H-4G IE2	10,39	0	4600	49,0	M246-M253
124,80	2,61	168	SP..26B11,2 - WUDA100LS-H-4G IE2	11,50	3500	6900	56,0	M254-M261
120,06	1,31	175	SP..16B12,5 - WUDA100LS-H-4G IE2	11,95	0	4700	49,0	M246-M253
108,44	2,27	194	SP..26B12,5 - WUDA100LS-H-4G IE2	13,23	3500	6900	56,0	M254-M261
103,85	1,14	202	SP..16B14 - WUDA100LS-H-4G IE2	13,82	0	4700	49,0	M246-M253
93,80	1,96	224	SP..26B14 - WUDA100LS-H-4G IE2	15,30	3500	6900	56,0	M254-M261
89,26	0,98	235	SP..16B16 - WUDA100LS-H-4G IE2	16,08	0	4800	49,0	M246-M253
87,04	1,82	241	SP..26B16 - WUDA100LS-H-4G IE2	16,49	3500	6900	56,0	M254-M261
80,62	1,69	261	SP..26B18 - WUDA100LS-H-4G IE2	17,80	3500	6900	56,0	M254-M261
68,70	1,44	306	SP..26B20 - WUDA100LS-H-4G IE2	20,89	3500	6900	56,0	M254-M261
71,71	2,90	293	SP..36B20 - WUDA100LS-H-4G IE2	20,01	5100	13500	63,0	M262-M269
63,16	1,32	333	SP..26B22,4 - WUDA100LS-H-4G IE2	22,72	3500	6900	56,0	M254-M261
61,33	2,48	343	SP..36B22,4 - WUDA100LS-H-4G IE2	23,40	5200	13500	63,0	M262-M269
52,81	1,11	398	SP..26B25 - WUDA100LS-H-4G IE2	27,18	3300	6900	56,0	M254-M261
56,94	2,30	369	SP..36B25 - WUDA100LS-H-4G IE2	25,20	5200	13500	63,0	M262-M269
47,97	1,00	438	SP..26B28 - WUDA100LS-H-4G IE2	29,92	3300	6900	56,0	M254-M261
50,14	2,03	419	SP..36B28 - WUDA100LS-H-4G IE2	28,62	5200	13500	63,0	M262-M269
50,31	2,99	418	SP..46C28 - WUDA100LS-H-4G IE2	28,53	7800	18000	89,0	M270-M277
43,34	0,91	485	SP..26B31,5 - WUDA100LS-H-4G IE2	33,11	3100	6900	56,0	M254-M261
44,27	1,79	475	SP..36B31,5 - WUDA100LS-H-4G IE2	32,41	5200	13500	63,0	M262-M269
43,94	2,72	478	SP..46C31,5 - WUDA100LS-H-4G IE2	32,66	8000	18000	89,0	M270-M277
40,60	1,64	517	SP..36B35,5 - WUDA100LS-H-4G IE2	35,34	5200	13500	63,0	M262-M269
40,05	2,57	525	SP..46C35,5 - WUDA100LS-H-4G IE2	35,83	8100	18000	89,0	M270-M277
39,63	2,85	530	SP..46B35,5 - WUDA100LS-H-4G IE2	36,21	8100	18000	89,0	M270-M277
35,08	1,42	599	SP..36B40 - WUDA100LS-H-4G IE2	40,91	5100	13500	63,0	M262-M269
34,67	2,31	606	SP..46C40 - WUDA100LS-H-4G IE2	41,39	8200	18000	89,0	M270-M277
34,73	2,60	605	SP..46B40 - WUDA100LS-H-4G IE2	41,31	8200	18000	89,0	M270-M277
31,77	1,29	661	SP..36B45 - WUDA100LS-H-4G IE2	45,17	5100	13500	63,0	M262-M269
31,37	2,18	670	SP..46C45 - WUDA100LS-H-4G IE2	45,75	8300	18000	89,0	M270-M277
32,04	2,47	656	SP..46B45 - WUDA100LS-H-4G IE2	44,79	8300	18000	89,0	M270-M277
26,55	1,07	791	SP..36B50 - WUDA100LS-H-4G IE2	54,05	4800	13500	63,0	M262-M269
28,26	2,02	744	SP..46C50 - WUDA100LS-H-4G IE2	50,79	8300	18000	89,0	M270-M277
27,76	2,25	757	SP..46B50 - WUDA100LS-H-4G IE2	51,70	8400	18000	89,0	M270-M277
23,85	0,96	881	SP..36B56 - WUDA100LS-H-4G IE2	60,18	4600	13500	63,0	M262-M269
26,38	1,93	796	SP..46C56 - WUDA100LS-H-4G IE2	54,40	8400	18000	89,0	M270-M277
25,27	2,05	831	SP..46B56 - WUDA100LS-H-4G IE2	56,78	8400	18000	89,0	M270-M277
21,56	0,87	975	SP..36B63 - WUDA100LS-H-4G IE2	66,57	4400	13500	63,0	M262-M269
21,18	1,71	992	SP..46B63 - WUDA100LS-H-4G IE2	67,76	8300	18000	89,0	M270-M277
22,56	1,74	931	SP..46C63 - WUDA100LS-H-4G IE2	63,60	8400	18000	89,0	M270-M277
22,57	2,90	931	SP..56C63 - WUDA100LS-H-4G IE2	63,59	11700	27000	126,0	M278-M285
18,89	1,48	1.112	SP..46B71 - WUDA100LS-H-4G IE2	75,97	8300	18000	89,0	M270-M277
20,95	1,66	1.003	SP..46C71 - WUDA100LS-H-4G IE2	68,51	8300	18000	89,0	M270-M277
20,45	2,73	1.027	SP..56C71 - WUDA100LS-H-4G IE2	70,17	11800	27000	126,0	M278-M285
18,59	2,57	1.130	SP..56C80 - WUDA100LS-H-4G IE2	77,21	11900	27000	126,0	M278-M285
16,29	1,32	1.290	SP..46C90 - WUDA100LS-H-4G IE2	88,11	8100	18000	89,0	M270-M277
16,50	2,28	1.273	SP..56C90 - WUDA100LS-H-4G IE2	86,98	11900	27000	126,0	M278-M285

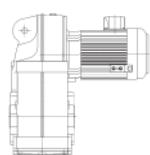


5. SP4

P 2,20 kW	n ₁ 1435 min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
14,94	1,21	1.407	SP..46C100 - WUDA100LS-H-4G IE2	96,08	8000	18000	89,0	M270-M277	
14,87	2,05	1.412	SP..56C100 - WUDA100LS-H-4G IE2	96,48	12000	27000	126,0	M278-M285	
12,90	1,04	1.628	SP..46C112 - WUDA100LS-H-4G IE2	111,21	7600	18000	89,0	M270-M277	
12,99	1,79	1.618	SP..56C112 - WUDA100LS-H-4G IE2	110,51	12000	27000	126,0	M278-M285	
11,69	0,95	1.798	SP..46C125 - WUDA100LS-H-4G IE2	122,80	7300	18000	89,0	M270-M277	
11,06	1,53	1.900	SP..56C125 - WUDA100LS-H-4G IE2	129,77	11800	27000	126,0	M278-M285	
10,33	1,43	2.033	SP..56C140 - WUDA100LS-H-4G IE2	138,87	11700	27000	126,0	M278-M285	
10,04	2,63	2.092	SP..66B36B140 - WUDA100LS-H-4G IE2	142,87	0	30000	223,0	M286-M293	
9,25	1,28	2.271	SP..56C160 - WUDA100LS-H-4G IE2	155,10	11500	27000	126,0	M278-M285	
8,77	2,30	2.395	SP..66B36B160 - WUDA100LS-H-4G IE2	163,58	0	30000	223,0	M286-M293	
7,83	1,08	2.682	SP..56B16B180 - WUDA100LS-H-4G IE2	183,17	7500	27000	134,0	M278-M285	
8,11	1,12	2.591	SP..56C180 - WUDA100LS-H-4G IE2	176,96	11100	27000	126,0	M278-M285	
8,00	2,09	2.628	SP..66B36B180 - WUDA100LS-H-4G IE2	179,48	0	30000	223,0	M286-M293	
6,78	0,94	3.100	SP..56B16B200 - WUDA100LS-H-4G IE2	211,76	7500	27000	134,0	M278-M285	
7,48	1,03	2.809	SP..56C200 - WUDA100LS-H-4G IE2	191,86	10800	27000	126,0	M278-M285	
6,92	1,81	3.035	SP..66B36B200 - WUDA100LS-H-4G IE2	207,29	0	30000	223,0	M286-M293	
7,28	2,77	2.887	SP..76B36B200 - WUDA100LS-H-4G IE2	197,17	0	50000	314,0	M294-M301	
6,29	0,87	3.341	SP..56B16B224 - WUDA100LS-H-4G IE2	228,20	7500	27000	134,0	M278-M285	
6,48	0,89	3.242	SP..56C224 - WUDA100LS-H-4G IE2	221,46	10100	27000	126,0	M278-M285	
6,26	1,64	3.355	SP..66B36B224 - WUDA100LS-H-4G IE2	229,15	0	30000	223,0	M286-M293	
6,26	1,64	3.355	SP..66B36B224 - WUDA100LS-H-4G IE2	229,15	0	30000	223,0	M286-M293	
6,30	2,40	3.334	SP..76B36B224 - WUDA100LS-H-4G IE2	227,73	0	50000	314,0	M294-M301	
5,64	1,48	3.724	SP..66B36B250 - WUDA100LS-H-4G IE2	254,37	0	30000	223,0	M286-M293	
5,70	2,17	3.685	SP..76B36B250 - WUDA100LS-H-4G IE2	251,74	0	50000	314,0	M294-M301	
5,70	2,17	3.685	SP..76B36B250 - WUDA100LS-H-4G IE2	251,74	0	50000	314,0	M294-M301	
5,27	1,38	3.989	SP..66B36B280 - WUDA100LS-H-4G IE2	272,44	0	30000	223,0	M286-M293	
5,14	1,96	4.091	SP..76B36B280 - WUDA100LS-H-4G IE2	279,45	0	50000	314,0	M294-M301	
4,50	1,18	4.664	SP..66B36B315 - WUDA100LS-H-4G IE2	318,57	0	30000	223,0	M286-M293	
4,79	1,83	4.382	SP..76B36B315 - WUDA100LS-H-4G IE2	299,30	0	50000	314,0	M294-M301	
4,18	1,09	5.024	SP..66B36B355 - WUDA100LS-H-4G IE2	343,14	0	30000	223,0	M286-M293	
4,10	1,56	5.124	SP..76B36B355 - WUDA100LS-H-4G IE2	349,97	0	50000	314,0	M294-M301	
3,95	2,82	5.322	SP..86C36B355 - WUDA100LS-H-4G IE2	363,52	0	82500	469,0	M302-M309	
3,95	2,82	5.322	SP..86C36B355 - WUDA100LS-H-4G IE2	363,52	0	82500	469,0	M302-M309	
3,68	0,96	5.704	SP..66B36B400 - WUDA100LS-H-4G IE2	389,65	0	30000	223,0	M286-M293	
3,81	1,45	5.519	SP..76B36B400 - WUDA100LS-H-4G IE2	376,96	0	50000	314,0	M294-M301	
3,56	2,54	5.908	SP..86C36B400 - WUDA100LS-H-4G IE2	403,53	0	82500	469,0	M302-M309	
3,25	0,85	6.461	SP..66B36B450 - WUDA100LS-H-4G IE2	441,30	0	30000	223,0	M286-M293	
3,35	1,28	6.267	SP..76B36B450 - WUDA100LS-H-4G IE2	428,06	0	50000	314,0	M294-M301	
3,32	2,37	6.327	SP..86C36B450 - WUDA100LS-H-4G IE2	432,19	0	82500	469,0	M302-M309	
2,96	1,13	7.097	SP..76B36B500 - WUDA100LS-H-4G IE2	484,80	0	50000	314,0	M294-M301	
2,84	2,03	7.399	SP..86C36B500 - WUDA100LS-H-4G IE2	505,37	0	82500	469,0	M302-M309	
2,71	1,03	7.739	SP..76B36B560 - WUDA100LS-H-4G IE2	528,65	0	50000	314,0	M294-M301	
2,64	1,88	7.969	SP..86C36B560 - WUDA100LS-H-4G IE2	544,34	0	82500	469,0	M302-M309	
2,35	0,89	8.959	SP..76B36B630 - WUDA100LS-H-4G IE2	611,92	0	50000	314,0	M294-M301	
2,32	1,66	9.049	SP..86C36B630 - WUDA100LS-H-4G IE2	618,13	0	82500	469,0	M302-M309	
2,05	1,46	10.249	SP..86C36B710 - WUDA100LS-H-4G IE2	700,06	0	82500	469,0	M302-M309	
1,88	1,34	11.176	SP..86C36B800 - WUDA100LS-H-4G IE2	763,39	0	82500	469,0	M302-M309	
1,62	1,16	12.936	SP..86C36B900 - WUDA100LS-H-4G IE2	883,63	0	82500	469,0	M302-M309	
1,50	1,07	13.998	SP..86C36B1000 - WUDA100LS-H-4G IE2	956,13	0	82500	469,0	M302-M309	
1,33	0,95	15.853	SP..86C36B1120 - WUDA100LS-H-4G IE2	1.082,86	0	82500	469,0	M302-M309	
1,22	0,87	17.287	SP..86C36B1200 - WUDA100LS-H-4G IE2	1.180,82	0	82500	469,0	M302-M309	

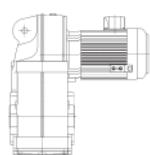


P 3,00 kW n ₁ 1445 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
94,91	2,82	302	SP..36B14 - WUDA112MT-H-4G IE2	15,23	4500	13500	75,0	M262-M269
85,86	2,55	334	SP..36B16 - WUDA112MT-H-4G IE2	16,83	4500	13500	75,0	M262-M269
77,34	2,29	370	SP..36B18 - WUDA112MT-H-4G IE2	18,68	4500	13500	75,0	M262-M269
72,21	2,14	397	SP..36B20 - WUDA112MT-H-4G IE2	20,01	4500	13500	75,0	M262-M269
61,76	1,83	464	SP..36B22,4 - WUDA112MT-H-4G IE2	23,40	4400	13500	75,0	M262-M269
65,84	2,64	435	SP..46C22,4 - WUDA112MT-H-4G IE2	21,95	6900	18000	101,0	M270-M277
64,15	2,91	447	SP..46B22,4 - WUDA112MT-H-4G IE2	22,52	6900	18000	101,0	M270-M277
57,34	1,70	500	SP..36B25 - WUDA112MT-H-4G IE2	25,20	4400	13500	75,0	M262-M269
56,72	2,38	505	SP..46C25 - WUDA112MT-H-4G IE2	25,48	7000	18000	101,0	M270-M277
56,01	2,64	511	SP..46B25 - WUDA112MT-H-4G IE2	25,80	7000	18000	101,0	M270-M277
50,49	1,50	567	SP..36B28 - WUDA112MT-H-4G IE2	28,62	4300	13500	75,0	M262-M269
50,66	2,21	566	SP..46C28 - WUDA112MT-H-4G IE2	28,53	7100	18000	101,0	M270-M277
47,70	2,33	601	SP..46B28 - WUDA112MT-H-4G IE2	30,30	7100	18000	101,0	M270-M277
44,58	1,32	643	SP..36B31,5 - WUDA112MT-H-4G IE2	32,41	4200	13500	75,0	M262-M269
44,24	2,01	647	SP..46C31,5 - WUDA112MT-H-4G IE2	32,66	7100	18000	101,0	M270-M277
44,57	2,26	643	SP..46B31,5 - WUDA112MT-H-4G IE2	32,42	7200	18000	101,0	M270-M277
40,88	1,21	701	SP..36B35,5 - WUDA112MT-H-4G IE2	35,34	4100	13500	75,0	M262-M269
40,33	1,90	710	SP..46C35,5 - WUDA112MT-H-4G IE2	35,83	7200	18000	101,0	M270-M277
39,91	2,10	718	SP..46B35,5 - WUDA112MT-H-4G IE2	36,21	7200	18000	101,0	M270-M277
35,32	1,05	811	SP..36B40 - WUDA112MT-H-4G IE2	40,91	3800	13500	75,0	M262-M269
34,91	1,71	821	SP..46C40 - WUDA112MT-H-4G IE2	41,39	7200	18000	101,0	M270-M277
34,98	1,92	819	SP..46B40 - WUDA112MT-H-4G IE2	41,31	7200	18000	101,0	M270-M277
31,99	0,95	896	SP..36B45 - WUDA112MT-H-4G IE2	45,17	3600	13500	75,0	M262-M269
31,58	1,61	907	SP..46C45 - WUDA112MT-H-4G IE2	45,75	7100	18000	101,0	M270-M277
32,26	1,82	888	SP..46B45 - WUDA112MT-H-4G IE2	44,79	7100	18000	101,0	M270-M277
33,23	2,78	862	SP..56C45 - WUDA112MT-H-4G IE2	43,49	10100	27000	138,0	M278-M285
28,45	1,49	1.007	SP..46C50 - WUDA112MT-H-4G IE2	50,79	7000	18000	101,0	M270-M277
27,95	1,66	1.025	SP..46B50 - WUDA112MT-H-4G IE2	51,70	7000	18000	101,0	M270-M277
29,31	2,56	977	SP..56C50 - WUDA112MT-H-4G IE2	49,30	10200	27000	138,0	M278-M285
27,69	2,80	1.035	SP..56B50 - WUDA112MT-H-4G IE2	52,18	10200	27000	138,0	M278-M285
26,56	1,43	1.078	SP..46C56 - WUDA112MT-H-4G IE2	54,40	7000	18000	101,0	M270-M277
25,45	1,51	1.126	SP..46B56 - WUDA112MT-H-4G IE2	56,78	6900	18000	101,0	M270-M277
24,90	2,35	1.150	SP..56B56 - WUDA112MT-H-4G IE2	58,03	10200	27000	138,0	M278-M285
26,06	2,36	1.099	SP..56C56 - WUDA112MT-H-4G IE2	55,45	10200	27000	138,0	M278-M285
21,33	1,27	1.343	SP..46B63 - WUDA112MT-H-4G IE2	67,76	6600	18000	101,0	M270-M277
22,72	1,28	1.261	SP..46C63 - WUDA112MT-H-4G IE2	63,60	6700	18000	101,0	M270-M277
22,72	2,14	1.261	SP..56C63 - WUDA112MT-H-4G IE2	63,59	10300	27000	138,0	M278-M285
19,02	1,10	1.506	SP..46B71 - WUDA112MT-H-4G IE2	75,97	6300	18000	101,0	M270-M277
21,09	1,22	1.358	SP..46C71 - WUDA112MT-H-4G IE2	68,51	6600	18000	101,0	M270-M277
20,59	2,01	1.391	SP..56C71 - WUDA112MT-H-4G IE2	70,17	10200	27000	138,0	M278-M285
18,72	1,89	1.531	SP..56C80 - WUDA112MT-H-4G IE2	77,21	10200	27000	138,0	M278-M285
16,40	0,97	1.747	SP..46C90 - WUDA112MT-H-4G IE2	88,11	5800	18000	101,0	M270-M277
16,61	1,68	1.724	SP..56C90 - WUDA112MT-H-4G IE2	86,98	10000	27000	138,0	M278-M285
15,04	0,89	1.905	SP..46C100 - WUDA112MT-H-4G IE2	96,08	5500	18000	101,0	M270-M277
14,98	1,52	1.913	SP..56C100 - WUDA112MT-H-4G IE2	96,48	9900	27000	138,0	M278-M285
14,68	2,82	1.951	SP..66C100 - WUDA112MT-H-4G IE2	98,40	0	30000	199,0	M286-M293
13,08	1,32	2.191	SP..56C112 - WUDA112MT-H-4G IE2	110,51	9500	27000	138,0	M278-M285
13,24	2,54	2.164	SP..66C112 - WUDA112MT-H-4G IE2	109,15	0	30000	199,0	M286-M293
11,14	1,13	2.573	SP..56C125 - WUDA112MT-H-4G IE2	129,77	8900	27000	138,0	M278-M285
11,56	2,22	2.479	SP..66C125 - WUDA112MT-H-4G IE2	125,03	0	30000	199,0	M286-M293
10,41	1,05	2.753	SP..56C140 - WUDA112MT-H-4G IE2	138,87	8700	27000	138,0	M278-M285

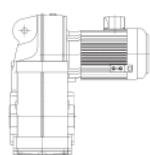


5. SP4

P 3,00 kW	n ₁ 1445 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
		9,84	1,89	2.911	SP..66C140 - WUDA112MT-H-4G IE2	146,82	0	30000	199,0	M286-M293
		10,11	1,94	2.833	SP..66B36B140 - WUDA112MT-H-4G IE2	142,87	0	30000	234,0	M286-M293
		9,52	2,66	3.010	SP..76C140 - WUDA112MT-H-4G IE2	151,82	0	50000	290,0	M294-M301
		10,31	2,88	2.779	SP..76B36B140 - WUDA112MT-H-4G IE2	140,18	0	50000	325,0	M294-M301
		9,32	0,94	3.075	SP..56C160 - WUDA112MT-H-4G IE2	155,10	8100	27000	138,0	M278-M285
		8,83	1,70	3.243	SP..66B36B160 - WUDA112MT-H-4G IE2	163,58	0	30000	234,0	M286-M293
		9,20	1,77	3.115	SP..66C160 - WUDA112MT-H-4G IE2	157,12	0	30000	199,0	M286-M293
		8,89	2,48	3.221	SP..76C160 - WUDA112MT-H-4G IE2	162,47	0	50000	290,0	M294-M301
		9,21	2,57	3.112	SP..76B36B160 - WUDA112MT-H-4G IE2	156,96	0	50000	325,0	M294-M301
		8,05	1,55	3.558	SP..66B36B180 - WUDA112MT-H-4G IE2	179,48	0	30000	234,0	M286-M293
		8,23	1,58	3.479	SP..66C180 - WUDA112MT-H-4G IE2	175,48	0	30000	199,0	M286-M293
		7,96	2,22	3.597	SP..76C180 - WUDA112MT-H-4G IE2	181,46	0	50000	290,0	M294-M301
		8,04	2,25	3.563	SP..76B36B180 - WUDA112MT-H-4G IE2	179,70	0	50000	325,0	M294-M301
		6,97	1,34	4.110	SP..66B36B200 - WUDA112MT-H-4G IE2	207,29	0	30000	234,0	M286-M293
		7,22	1,39	3.969	SP..66C200 - WUDA112MT-H-4G IE2	200,21	0	30000	199,0	M286-M293
		6,98	1,95	4.104	SP..76C200 - WUDA112MT-H-4G IE2	207,03	0	50000	290,0	M294-M301
		7,33	2,05	3.909	SP..76B36B200 - WUDA112MT-H-4G IE2	197,17	0	50000	325,0	M294-M301
		6,31	1,21	4.543	SP..66B36B224 - WUDA112MT-H-4G IE2	229,15	0	30000	234,0	M286-M293
		6,31	1,21	4.543	SP..66B36B224 - WUDA112MT-H-4G IE2	229,15	0	30000	234,0	M286-M293
		6,66	1,28	4.303	SP..66C224 - WUDA112MT-H-4G IE2	217,07	0	30000	199,0	M286-M293
		6,35	1,77	4.515	SP..76B36B224 - WUDA112MT-H-4G IE2	227,73	0	50000	325,0	M294-M301
		6,44	1,80	4.450	SP..76C224 - WUDA112MT-H-4G IE2	224,46	0	50000	290,0	M294-M301
		5,68	1,09	5.043	SP..66B36B250 - WUDA112MT-H-4G IE2	254,37	0	30000	234,0	M286-M293
		5,77	1,11	4.967	SP..66C250 - WUDA112MT-H-4G IE2	250,56	0	30000	199,0	M286-M293
		5,58	1,56	5.137	SP..76C250 - WUDA112MT-H-4G IE2	259,09	0	50000	290,0	M294-M301
		5,74	1,60	4.991	SP..76B36B250 - WUDA112MT-H-4G IE2	251,74	0	50000	325,0	M294-M301
		5,74	1,60	4.991	SP..76B36B250 - WUDA112MT-H-4G IE2	251,74	0	50000	325,0	M294-M301
		5,57	2,92	5.145	SP..86C36B250 - WUDA112MT-H-4G IE2	259,50	0	82500	480,0	M302-M309
		5,25	1,01	5.455	SP..66C280 - WUDA112MT-H-4G IE2	275,17	0	30000	199,0	M286-M293
		5,30	1,02	5.401	SP..66B36B280 - WUDA112MT-H-4G IE2	272,44	0	30000	234,0	M286-M293
		5,08	1,42	5.641	SP..76C280 - WUDA112MT-H-4G IE2	284,55	0	50000	290,0	M294-M301
		5,17	1,44	5.540	SP..76B36B280 - WUDA112MT-H-4G IE2	279,45	0	50000	325,0	M294-M301
		5,08	2,66	5.645	SP..86C36B280 - WUDA112MT-H-4G IE2	284,71	0	82500	480,0	M302-M309
		4,54	0,87	6.316	SP..66B36B315 - WUDA112MT-H-4G IE2	318,57	0	30000	234,0	M286-M293
		4,83	1,35	5.934	SP..76B36B315 - WUDA112MT-H-4G IE2	299,30	0	50000	325,0	M294-M301
		4,39	2,30	6.519	SP..86C36B315 - WUDA112MT-H-4G IE2	328,84	0	82500	480,0	M302-M309
		4,13	1,15	6.938	SP..76B36B355 - WUDA112MT-H-4G IE2	349,97	0	50000	325,0	M294-M301
		4,26	1,19	6.732	SP..76C355 - WUDA112MT-H-4G IE2	339,55	0	50000	290,0	M294-M301
		3,98	2,08	7.207	SP..86C36B355 - WUDA112MT-H-4G IE2	363,52	0	82500	480,0	M302-M309
		3,98	2,08	7.207	SP..86C36B355 - WUDA112MT-H-4G IE2	363,52	0	82500	480,0	M302-M309
		3,80	1,06	7.547	SP..76C400 - WUDA112MT-H-4G IE2	380,68	0	50000	290,0	M294-M301
		3,83	1,07	7.473	SP..76B36B400 - WUDA112MT-H-4G IE2	376,96	0	50000	325,0	M294-M301
		3,58	1,87	8.000	SP..86C36B400 - WUDA112MT-H-4G IE2	403,53	0	82500	480,0	M302-M309
		3,38	0,94	8.486	SP..76B36B450 - WUDA112MT-H-4G IE2	428,06	0	50000	325,0	M294-M301
		3,34	1,75	8.568	SP..86C36B450 - WUDA112MT-H-4G IE2	432,19	0	82500	480,0	M302-M309
		2,86	1,50	10.019	SP..86C36B500 - WUDA112MT-H-4G IE2	505,37	0	82500	480,0	M302-M309
		2,65	1,39	10.792	SP..86C36B560 - WUDA112MT-H-4G IE2	544,34	0	82500	480,0	M302-M309
		2,34	1,22	12.255	SP..86C36B630 - WUDA112MT-H-4G IE2	618,13	0	82500	480,0	M302-M309
		2,06	1,08	13.879	SP..86C36B710 - WUDA112MT-H-4G IE2	700,06	0	82500	480,0	M302-M309
		1,89	0,99	15.135	SP..86C36B800 - WUDA112MT-H-4G IE2	763,39	0	82500	480,0	M302-M309
		1,64	0,86	17.518	SP..86C36B900 - WUDA112MT-H-4G IE2	883,63	0	82500	480,0	M302-M309

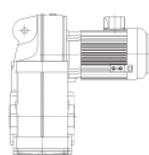


P 4,00 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
260,71	2,83	147	SP..36B5,6 - WUDA132SR-H-4G IE2	5,60	3400	12900	85,0	M262-M269
235,85	2,56	162	SP..36B6,3 - WUDA132SR-H-4G IE2	6,19	3500	13300	85,0	M262-M269
212,46	2,31	180	SP..36B7,1 - WUDA132SR-H-4G IE2	6,87	3500	13500	85,0	M262-M269
121,52	2,70	314	SP..36B11,2 - WUDA132SR-H-4G IE2	12,01	3900	13500	85,0	M262-M269
110,76	2,46	345	SP..36B12,5 - WUDA132SR-H-4G IE2	13,18	3900	13500	85,0	M262-M269
95,89	2,13	398	SP..36B14 - WUDA132SR-H-4G IE2	15,23	3800	13500	85,0	M262-M269
98,35	2,94	388	SP..46B14 - WUDA132SR-H-4G IE2	14,85	6000	18000	111,0	M270-M277
86,75	1,93	440	SP..36B16 - WUDA132SR-H-4G IE2	16,83	3800	13500	85,0	M262-M269
89,13	2,73	429	SP..46B16 - WUDA132SR-H-4G IE2	16,38	6100	18000	111,0	M270-M277
78,15	1,74	489	SP..36B18 - WUDA132SR-H-4G IE2	18,68	3700	13500	85,0	M262-M269
81,00	2,57	472	SP..46B18 - WUDA132SR-H-4G IE2	18,03	6100	18000	111,0	M270-M277
72,96	1,62	524	SP..36B20 - WUDA132SR-H-4G IE2	20,01	3700	13500	85,0	M262-M269
71,90	2,35	531	SP..46B20 - WUDA132SR-H-4G IE2	20,31	6200	18000	111,0	M270-M277
62,40	1,39	612	SP..36B22,4 - WUDA132SR-H-4G IE2	23,40	3500	13500	85,0	M262-M269
66,52	2,00	574	SP..46C22,4 - WUDA132SR-H-4G IE2	21,95	6200	18000	111,0	M270-M277
64,82	2,21	589	SP..46B22,4 - WUDA132SR-H-4G IE2	22,52	6200	18000	111,0	M270-M277
57,93	1,29	659	SP..36B25 - WUDA132SR-H-4G IE2	25,20	3400	13500	85,0	M262-M269
57,31	1,80	667	SP..46C25 - WUDA132SR-H-4G IE2	25,48	6200	18000	111,0	M270-M277
56,59	2,00	675	SP..46B25 - WUDA132SR-H-4G IE2	25,80	6200	18000	111,0	M270-M277
51,02	1,14	749	SP..36B28 - WUDA132SR-H-4G IE2	28,62	3200	13500	85,0	M262-M269
51,18	1,67	746	SP..46C28 - WUDA132SR-H-4G IE2	28,53	6200	18000	111,0	M270-M277
48,19	1,77	793	SP..46B28 - WUDA132SR-H-4G IE2	30,30	6200	18000	111,0	M270-M277
45,05	1,00	848	SP..36B31,5 - WUDA132SR-H-4G IE2	32,41	2900	13500	85,0	M262-M269
44,70	1,52	854	SP..46C31,5 - WUDA132SR-H-4G IE2	32,66	6100	18000	111,0	M270-M277
45,03	1,71	848	SP..46B31,5 - WUDA132SR-H-4G IE2	32,42	6100	18000	111,0	M270-M277
46,45	2,55	822	SP..56C31,5 - WUDA132SR-H-4G IE2	31,43	8800	27000	148,0	M278-M285
41,31	0,92	925	SP..36B35,5 - WUDA132SR-H-4G IE2	35,34	2700	13500	85,0	M262-M269
40,74	1,44	937	SP..46C35,5 - WUDA132SR-H-4G IE2	35,83	6000	18000	111,0	M270-M277
40,32	1,59	947	SP..46B35,5 - WUDA132SR-H-4G IE2	36,21	6000	18000	111,0	M270-M277
43,33	2,50	881	SP..56C35,5 - WUDA132SR-H-4G IE2	33,69	8800	27000	148,0	M278-M285
39,91	2,76	957	SP..56B35,5 - WUDA132SR-H-4G IE2	36,58	8900	27000	148,0	M278-M285
35,28	1,29	1.083	SP..46C40 - WUDA132SR-H-4G IE2	41,39	5800	18000	111,0	M270-M277
35,34	1,45	1.081	SP..46B40 - WUDA132SR-H-4G IE2	41,31	5800	18000	111,0	M270-M277
38,64	2,33	988	SP..56C40 - WUDA132SR-H-4G IE2	37,78	8900	27000	148,0	M278-M285
36,82	2,65	1.037	SP..56B40 - WUDA132SR-H-4G IE2	39,65	8900	27000	148,0	M278-M285
31,91	1,22	1.197	SP..46C45 - WUDA132SR-H-4G IE2	45,75	5600	18000	111,0	M270-M277
32,60	1,38	1.172	SP..46B45 - WUDA132SR-H-4G IE2	44,79	5700	18000	111,0	M270-M277
33,57	2,11	1.138	SP..56C45 - WUDA132SR-H-4G IE2	43,49	8900	27000	148,0	M278-M285
31,21	2,34	1.224	SP..56B45 - WUDA132SR-H-4G IE2	46,78	8800	27000	148,0	M278-M285
28,75	1,13	1.329	SP..46C50 - WUDA132SR-H-4G IE2	50,79	5400	18000	111,0	M270-M277
28,24	1,26	1.353	SP..46B50 - WUDA132SR-H-4G IE2	51,70	5400	18000	111,0	M270-M277
29,61	1,94	1.290	SP..56C50 - WUDA132SR-H-4G IE2	49,30	8800	27000	148,0	M278-M285
27,98	2,12	1.365	SP..56B50 - WUDA132SR-H-4G IE2	52,18	8800	27000	148,0	M278-M285
26,84	1,08	1.423	SP..46C56 - WUDA132SR-H-4G IE2	54,40	5200	18000	111,0	M270-M277
25,71	1,14	1.486	SP..46B56 - WUDA132SR-H-4G IE2	56,78	5100	18000	111,0	M270-M277
25,16	1,78	1.518	SP..56B56 - WUDA132SR-H-4G IE2	58,03	8700	27000	148,0	M278-M285
26,33	1,79	1.451	SP..56C56 - WUDA132SR-H-4G IE2	55,45	8700	27000	148,0	M278-M285
21,55	0,96	1.773	SP..46B63 - WUDA132SR-H-4G IE2	67,76	4400	18000	111,0	M270-M277
22,95	0,97	1.664	SP..46C63 - WUDA132SR-H-4G IE2	63,60	4700	18000	111,0	M270-M277
22,96	1,62	1.664	SP..56C63 - WUDA132SR-H-4G IE2	63,59	8500	27000	148,0	M278-M285
21,31	0,93	1.792	SP..46C71 - WUDA132SR-H-4G IE2	68,51	4400	18000	111,0	M270-M277



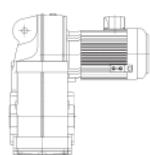
5. SP4

P 4,00 kW	n ₁ 1460 min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
20,81	1,53	1.836	SP..56C71 - WUDA132SR-H-4G IE2	70,17	8300	27000	148,0	M286-M293	
21,32	2,51	1.792	SP..66B71 - WUDA132SR-H-4G IE2	68,49	0	30000	209,0	M286-M293	
20,29	2,87	1.882	SP..66C71 - WUDA132SR-H-4G IE2	71,94	0	30000	209,0	M294-M301	
18,91	1,44	2.020	SP..56C80 - WUDA132SR-H-4G IE2	77,21	8000	27000	148,0	M294-M301	
18,39	2,65	2.077	SP..66C80 - WUDA132SR-H-4G IE2	79,38	0	30000	209,0	M278-M285	
16,79	1,27	2.276	SP..56C90 - WUDA132SR-H-4G IE2	86,98	7600	27000	148,0	M286-M293	
16,71	2,41	2.285	SP..66C90 - WUDA132SR-H-4G IE2	87,35	0	30000	209,0	M286-M293	
15,13	1,15	2.524	SP..56C100 - WUDA132SR-H-4G IE2	96,48	7200	27000	148,0	M294-M301	
14,84	2,14	2.574	SP..66C100 - WUDA132SR-H-4G IE2	98,40	0	30000	209,0	M294-M301	
13,21	1,00	2.891	SP..56C112 - WUDA132SR-H-4G IE2	110,51	6500	27000	148,0	M286-M293	
13,38	1,93	2.856	SP..66C112 - WUDA132SR-H-4G IE2	109,15	0	30000	209,0	M286-M293	
12,94	2,71	2.953	SP..76C112 - WUDA132SR-H-4G IE2	112,87	0	50000	300,0	M294-M301	
11,25	0,85	3.395	SP..56C125 - WUDA132SR-H-4G IE2	129,77	5400	27000	148,0	M294-M301	
11,68	1,68	3.271	SP..66C125 - WUDA132SR-H-4G IE2	125,03	0	30000	209,0	M286-M293	
11,29	2,37	3.383	SP..76C125 - WUDA132SR-H-4G IE2	129,29	0	50000	300,0	M286-M293	
12,09	2,53	3.159	SP..76B36B125 - WUDA132SR-H-4G IE2	120,76	0	50000	335,0	M294-M301	
9,94	1,43	3.841	SP..66C140 - WUDA132SR-H-4G IE2	146,82	0	30000	209,0	M294-M301	
10,22	1,47	3.738	SP..66B36B140 - WUDA132SR-H-4G IE2	142,87	0	30000	244,0	M286-M293	
9,62	2,01	3.972	SP..76C140 - WUDA132SR-H-4G IE2	151,82	0	50000	300,0	M286-M293	
10,42	2,18	3.667	SP..76B36B140 - WUDA132SR-H-4G IE2	140,18	0	50000	335,0	M286-M293	
8,93	1,29	4.280	SP..66B36B160 - WUDA132SR-H-4G IE2	163,58	0	30000	244,0	M294-M301	
9,29	1,34	4.111	SP..66C160 - WUDA132SR-H-4G IE2	157,12	0	30000	209,0	M294-M301	
8,99	1,88	4.251	SP..76C160 - WUDA132SR-H-4G IE2	162,47	0	50000	300,0	M286-M293	
9,30	1,95	4.106	SP..76B36B160 - WUDA132SR-H-4G IE2	156,96	0	50000	335,0	M286-M293	
8,13	1,17	4.696	SP..66B36B180 - WUDA132SR-H-4G IE2	179,48	0	30000	244,0	M294-M301	
8,32	1,20	4.591	SP..66C180 - WUDA132SR-H-4G IE2	175,48	0	30000	209,0	M294-M301	
8,05	1,69	4.747	SP..76C180 - WUDA132SR-H-4G IE2	181,46	0	50000	300,0	M294-M301	
8,12	1,70	4.701	SP..76B36B180 - WUDA132SR-H-4G IE2	179,70	0	50000	335,0	M302-M309	
7,04	1,01	5.423	SP..66B36B200 - WUDA132SR-H-4G IE2	207,29	0	30000	244,0	M286-M293	
7,29	1,05	5.238	SP..66C200 - WUDA132SR-H-4G IE2	200,21	0	30000	209,0	M286-M293	
7,05	1,48	5.416	SP..76C200 - WUDA132SR-H-4G IE2	207,03	0	50000	300,0	M294-M301	
7,40	1,55	5.158	SP..76B36B200 - WUDA132SR-H-4G IE2	197,17	0	50000	335,0	M294-M301	
7,21	2,83	5.296	SP..86C36B200 - WUDA132SR-H-4G IE2	202,42	0	82500	490,0	M302-M309	
6,37	0,92	5.995	SP..66B36B224 - WUDA132SR-H-4G IE2	229,15	0	30000	244,0	M286-M293	
6,37	0,92	5.995	SP..66B36B224 - WUDA132SR-H-4G IE2	229,15	0	30000	244,0	M294-M301	
6,73	0,97	5.679	SP..66C224 - WUDA132SR-H-4G IE2	217,07	0	30000	209,0	M302-M309	
6,41	1,34	5.958	SP..76B36B224 - WUDA132SR-H-4G IE2	227,73	0	50000	335,0	M294-M301	
6,50	1,36	5.872	SP..76C224 - WUDA132SR-H-4G IE2	224,46	0	50000	300,0	M294-M301	
6,44	2,53	5.930	SP..86C36B224 - WUDA132SR-H-4G IE2	226,65	0	82500	490,0	M302-M309	
5,64	1,18	6.778	SP..76C250 - WUDA132SR-H-4G IE2	259,09	0	50000	300,0	M302-M309	
5,80	1,21	6.586	SP..76B36B250 - WUDA132SR-H-4G IE2	251,74	0	50000	335,0	M294-M301	
5,80	1,21	6.586	SP..76B36B250 - WUDA132SR-H-4G IE2	251,74	0	50000	335,0	M294-M301	
5,63	2,21	6.789	SP..86C36B250 - WUDA132SR-H-4G IE2	259,50	0	82500	490,0	M302-M309	
5,13	1,07	7.444	SP..76C280 - WUDA132SR-H-4G IE2	284,55	0	50000	300,0	M294-M301	
5,22	1,09	7.311	SP..76B36B280 - WUDA132SR-H-4G IE2	279,45	0	50000	335,0	M302-M309	
5,13	2,01	7.449	SP..86C36B280 - WUDA132SR-H-4G IE2	284,71	0	82500	490,0	M302-M309	
4,88	1,02	7.830	SP..76B36B315 - WUDA132SR-H-4G IE2	299,30	0	50000	335,0	M302-M309	
4,44	1,74	8.603	SP..86C36B315 - WUDA132SR-H-4G IE2	328,84	0	82500	490,0	M302-M309	
4,17	0,87	9.156	SP..76B36B355 - WUDA132SR-H-4G IE2	349,97	0	50000	335,0	M302-M309	
4,30	0,90	8.883	SP..76C355 - WUDA132SR-H-4G IE2	339,55	0	50000	300,0	M302-M309	
4,02	1,58	9.510	SP..86C36B355 - WUDA132SR-H-4G IE2	363,52	0	82500	490,0	M302-M309	



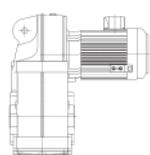
P 4,00 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
3,62	1,42	10.557	SP..86C36B400 - WUDA132SR-H-4G IE2	403,53	0	82500	490,0	M302-M309
3,38	1,33	11.307	SP..86C36B450 - WUDA132SR-H-4G IE2	432,19	0	82500	490,0	M302-M309
2,89	1,13	13.222	SP..86C36B500 - WUDA132SR-H-4G IE2	505,37	0	82500	490,0	M302-M309
2,68	1,05	14.241	SP..86C36B560 - WUDA132SR-H-4G IE2	544,34	0	82500	490,0	M302-M309
2,36	0,93	16.172	SP..86C36B630 - WUDA132SR-H-4G IE2	618,13	0	82500	490,0	M302-M309

P 5,50 kW n ₁ 1455 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
422,09	2,93	124	SP..36B3,55 - WUDA132STX-H-4G IE2	3,45	2900	11200	88,0	M262-M269
376,98	2,94	139	SP..36B4 - WUDA132STX-H-4G IE2	3,86	3000	11500	88,0	M262-M269
329,26	2,60	160	SP..36B4,5 - WUDA132STX-H-4G IE2	4,42	3000	11900	88,0	M262-M269
300,09	2,37	175	SP..36B5 - WUDA132STX-H-4G IE2	4,85	3000	12100	88,0	M262-M269
259,82	2,05	202	SP..36B5,6 - WUDA132STX-H-4G IE2	5,60	3000	12500	88,0	M262-M269
235,04	1,86	223	SP..36B6,3 - WUDA132STX-H-4G IE2	6,19	3000	12800	88,0	M262-M269
215,05	2,99	244	SP..46B6,3 - WUDA132STX-H-4G IE2	6,77	4700	15400	114,0	M270-M277
211,74	1,67	248	SP..36B7,1 - WUDA132STX-H-4G IE2	6,87	3000	13100	88,0	M262-M269
180,21	2,54	291	SP..36B8 - WUDA132STX-H-4G IE2	8,07	3300	13500	88,0	M262-M269
155,25	2,36	338	SP..36B9 - WUDA132STX-H-4G IE2	9,37	3300	13500	88,0	M262-M269
164,96	2,98	318	SP..46B9 - WUDA132STX-H-4G IE2	8,82	5100	16600	114,0	M270-M277
138,66	2,24	379	SP..36B10 - WUDA132STX-H-4G IE2	10,49	3200	13500	88,0	M262-M269
143,31	2,73	366	SP..46B10 - WUDA132STX-H-4G IE2	10,15	5200	17200	114,0	M270-M277
121,11	1,96	434	SP..36B11,2 - WUDA132STX-H-4G IE2	12,01	3200	13500	88,0	M262-M269
126,41	2,55	415	SP..46B11,2 - WUDA132STX-H-4G IE2	11,51	5200	17700	114,0	M270-M277
110,38	1,79	476	SP..36B12,5 - WUDA132STX-H-4G IE2	13,18	3100	13500	88,0	M262-M269
112,39	2,35	467	SP..46B12,5 - WUDA132STX-H-4G IE2	12,95	5300	18000	114,0	M270-M277
95,57	1,55	550	SP..36B14 - WUDA132STX-H-4G IE2	15,23	3000	13500	88,0	M262-M269
98,01	2,13	536	SP..46B14 - WUDA132STX-H-4G IE2	14,85	5300	18000	114,0	M270-M277
86,45	1,40	608	SP..36B16 - WUDA132STX-H-4G IE2	16,83	2800	13500	88,0	M262-M269
88,82	1,98	591	SP..46B16 - WUDA132STX-H-4G IE2	16,38	5300	18000	114,0	M270-M277
77,88	1,26	674	SP..36B18 - WUDA132STX-H-4G IE2	18,68	2700	13500	88,0	M262-M269
80,72	1,86	651	SP..46B18 - WUDA132STX-H-4G IE2	18,03	5300	18000	114,0	M270-M277
72,71	1,18	722	SP..36B20 - WUDA132STX-H-4G IE2	20,01	2500	13500	88,0	M262-M269
71,66	1,71	733	SP..46B20 - WUDA132STX-H-4G IE2	20,31	5200	18000	114,0	M270-M277
62,19	1,01	845	SP..36B22,4 - WUDA132STX-H-4G IE2	23,40	2200	13500	88,0	M262-M269
66,29	1,45	792	SP..46C22,4 - WUDA132STX-H-4G IE2	21,95	5200	18000	114,0	M270-M277
64,60	1,60	813	SP..46B22,4 - WUDA132STX-H-4G IE2	22,52	5100	18000	114,0	M270-M277
64,24	2,78	818	SP..56B22,4 - WUDA132STX-H-4G IE2	22,65	7600	27000	151,0	M278-M285
57,73	0,93	910	SP..36B25 - WUDA132STX-H-4G IE2	25,20	2000	13500	88,0	M262-M269
57,11	1,30	920	SP..46C25 - WUDA132STX-H-4G IE2	25,48	5000	18000	114,0	M270-M277
56,40	1,45	931	SP..46B25 - WUDA132STX-H-4G IE2	25,80	5000	18000	114,0	M270-M277
56,96	2,55	922	SP..56B25 - WUDA132STX-H-4G IE2	25,55	7600	27000	151,0	M278-M285
51,01	1,21	1.030	SP..46C28 - WUDA132STX-H-4G IE2	28,53	4800	18000	114,0	M270-M277
48,03	1,28	1.094	SP..46B28 - WUDA132STX-H-4G IE2	30,30	4700	18000	114,0	M270-M277
50,02	2,33	1.050	SP..56B28 - WUDA132STX-H-4G IE2	29,09	7600	27000	151,0	M278-M285
44,55	1,10	1.179	SP..46C31,5 - WUDA132STX-H-4G IE2	32,66	4600	18000	114,0	M270-M277
44,88	1,24	1.170	SP..46B31,5 - WUDA132STX-H-4G IE2	32,42	4600	18000	114,0	M270-M277
46,30	1,85	1.134	SP..56C31,5 - WUDA132STX-H-4G IE2	31,43	7500	27000	151,0	M278-M285



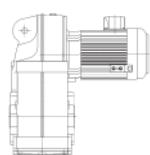
5. SP4

P 5,50 kW	n ₁ 1455 min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
45,60	2,19	1.152	SP..56B31,5 - WUDA132STX-H-4G IE2	31,91	7500	27000	151,0	M278-M285	
40,60	1,04	1.293	SP..46C35,5 - WUDA132STX-H-4G IE2	35,83	4300	18000	114,0	M270-M277	
40,18	1,16	1.307	SP..46B35,5 - WUDA132STX-H-4G IE2	36,21	4300	18000	114,0	M270-M277	
43,18	1,81	1.216	SP..56C35,5 - WUDA132STX-H-4G IE2	33,69	7500	27000	151,0	M278-M285	
39,77	2,00	1.321	SP..56B35,5 - WUDA132STX-H-4G IE2	36,58	7400	27000	151,0	M278-M285	
35,16	0,94	1.494	SP..46C40 - WUDA132STX-H-4G IE2	41,39	3900	18000	114,0	M270-M277	
35,22	1,05	1.491	SP..46B40 - WUDA132STX-H-4G IE2	41,31	3900	18000	114,0	M270-M277	
38,51	1,69	1.364	SP..56C40 - WUDA132STX-H-4G IE2	37,78	7300	27000	151,0	M278-M285	
36,70	1,92	1.431	SP..56B40 - WUDA132STX-H-4G IE2	39,65	7300	27000	151,0	M278-M285	
31,80	0,88	1.051	SP..46C45 - WUDA132STX-H-4G IE2	45,75	3500	18000	114,0	M270-M277	
32,48	1,00	1.617	SP..46B45 - WUDA132STX-H-4G IE2	44,79	3600	18000	114,0	M270-M277	
33,46	1,53	1.570	SP..56C45 - WUDA132STX-H-4G IE2	43,49	7100	27000	151,0	M278-M285	
31,10	1,70	1.689	SP..56B45 - WUDA132STX-H-4G IE2	46,78	7000	27000	151,0	M278-M285	
28,14	0,91	1.866	SP..46B50 - WUDA132STX-H-4G IE2	51,70	3000	18000	114,0	M270-M277	
29,51	1,40	1.780	SP..56C50 - WUDA132STX-H-4G IE2	49,30	6800	27000	151,0	M278-M285	
27,88	1,54	1.884	SP..56B50 - WUDA132STX-H-4G IE2	52,18	6700	27000	151,0	M278-M285	
29,57	2,76	1.776	SP..66C50 - WUDA132STX-H-4G IE2	49,20	0	30000	212,0	M286-M293	
30,61	2,83	1.716	SP..66B50 - WUDA132STX-H-4G IE2	47,54	0	30000	212,0	M286-M293	
25,07	1,29	2.095	SP..56B56 - WUDA132STX-H-4G IE2	58,03	6300	27000	151,0	M278-M285	
26,24	1,30	2.002	SP..56C56 - WUDA132STX-H-4G IE2	55,45	6500	27000	151,0	M278-M285	
25,98	2,40	2.021	SP..66B56 - WUDA132STX-H-4G IE2	56,00	0	30000	212,0	M286-M293	
26,08	2,53	2.013	SP..66C56 - WUDA132STX-H-4G IE2	55,78	0	30000	212,0	M286-M293	
22,88	1,18	2.295	SP..56C63 - WUDA132STX-H-4G IE2	63,59	6000	27000	151,0	M278-M285	
23,59	2,18	2.226	SP..66B63 - WUDA132STX-H-4G IE2	61,68	0	30000	212,0	M286-M293	
23,19	2,34	2.265	SP..66C63 - WUDA132STX-H-4G IE2	62,74	0	30000	212,0	M286-M293	
20,74	1,11	2.533	SP..56C71 - WUDA132STX-H-4G IE2	70,17	5500	27000	151,0	M278-M285	
21,24	1,82	2.472	SP..66B71 - WUDA132STX-H-4G IE2	68,49	0	30000	212,0	M286-M293	
20,22	2,08	2.597	SP..66C71 - WUDA132STX-H-4G IE2	71,94	0	30000	212,0	M286-M293	
19,56	2,98	2.685	SP..76C71 - WUDA132STX-H-4G IE2	74,39	0	50000	303,0	M294-M301	
18,85	1,04	2.787	SP..56C80 - WUDA132STX-H-4G IE2	77,21	5000	27000	151,0	M278-M285	
18,33	1,92	2.866	SP..66C80 - WUDA132STX-H-4G IE2	79,38	0	30000	212,0	M286-M293	
17,72	2,70	2.963	SP..76C80 - WUDA132STX-H-4G IE2	82,09	0	50000	303,0	M294-M301	
16,73	0,92	3.140	SP..56C90 - WUDA132STX-H-4G IE2	86,98	4200	27000	151,0	M278-M285	
16,66	1,74	3.153	SP..66C90 - WUDA132STX-H-4G IE2	87,35	0	30000	212,0	M286-M293	
16,11	2,45	3.261	SP..76C90 - WUDA132STX-H-4G IE2	90,33	0	50000	303,0	M294-M301	
14,79	1,55	3.552	SP..66C100 - WUDA132STX-H-4G IE2	98,40	0	30000	212,0	M286-M293	
14,30	2,18	3.673	SP..76C100 - WUDA132STX-H-4G IE2	101,75	0	50000	303,0	M294-M301	
13,33	1,40	3.940	SP..66C112 - WUDA132STX-H-4G IE2	109,15	0	30000	212,0	M286-M293	
12,89	1,96	4.074	SP..76C112 - WUDA132STX-H-4G IE2	112,87	0	50000	303,0	M294-M301	
11,64	1,22	4.513	SP..66C125 - WUDA132STX-H-4G IE2	125,03	0	30000	212,0	M286-M293	
11,25	1,71	4.667	SP..76C125 - WUDA132STX-H-4G IE2	129,29	0	50000	303,0	M294-M301	
12,05	1,84	4.359	SP..76B36B125 - WUDA132STX-H-4G IE2	120,76	0	50000	338,0	M294-M301	
9,91	1,04	5.300	SP..66C140 - WUDA132STX-H-4G IE2	146,82	0	30000	212,0	M286-M293	
10,18	1,07	5.157	SP..66B36B140 - WUDA132STX-H-4G IE2	142,87	0	30000	247,0	M286-M293	
9,58	1,46	5.480	SP..76C140 - WUDA132STX-H-4G IE2	151,82	0	50000	303,0	M294-M301	
10,38	1,58	5.060	SP..76B36B140 - WUDA132STX-H-4G IE2	140,18	0	50000	338,0	M294-M301	
8,89	0,93	5.905	SP..66B36B160 - WUDA132STX-H-4G IE2	163,58	0	30000	247,0	M286-M293	
9,26	0,97	5.671	SP..66C160 - WUDA132STX-H-4G IE2	157,12	0	30000	212,0	M286-M293	
8,96	1,36	5.865	SP..76C160 - WUDA132STX-H-4G IE2	162,47	0	50000	303,0	M294-M301	
9,27	1,41	5.666	SP..76B36B160 - WUDA132STX-H-4G IE2	156,96	0	50000	338,0	M294-M301	
8,29	0,87	6.334	SP..66C180 - WUDA132STX-H-4G IE2	175,48	0	30000	212,0	M286-M293	



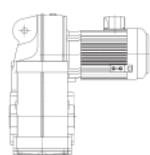
P 5,50 kW n ₁ 1455 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
8,02	1,22	6.550	SP..76C180 - WUDA132STX-H-4G IE2	181,46	0	50000	303,0	M294-M301
8,10	1,23	6.487	SP..76B36B180 - WUDA132STX-H-4G IE2	179,70	0	50000	338,0	M294-M301
8,34	2,38	6.295	SP..86C36B180 - WUDA132STX-H-4G IE2	174,39	0	82500	493,0	M302-M309
7,03	1,07	7.473	SP..76C200 - WUDA132STX-H-4G IE2	207,03	0	50000	303,0	M294-M301
7,38	1,12	7.117	SP..76B36B200 - WUDA132STX-H-4G IE2	197,17	0	50000	338,0	M294-M301
7,19	2,05	7.307	SP..86C36B200 - WUDA132STX-H-4G IE2	202,42	0	82500	493,0	M302-M309
6,39	0,97	8.220	SP..76B36B224 - WUDA132STX-H-4G IE2	227,73	0	50000	338,0	M294-M301
6,48	0,99	8.102	SP..76C224 - WUDA132STX-H-4G IE2	224,46	0	50000	303,0	M294-M301
6,42	1,83	8.181	SP..86C36B224 - WUDA132STX-H-4G IE2	226,65	0	82500	493,0	M302-M309
5,62	0,86	9.352	SP..76C250 - WUDA132STX-H-4G IE2	259,09	0	50000	303,0	M294-M301
5,78	0,88	9.087	SP..76B36B250 - WUDA132STX-H-4G IE2	251,74	0	50000	338,0	M294-M301
5,78	0,88	9.087	SP..76B36B250 - WUDA132STX-H-4G IE2	251,74	0	50000	338,0	M294-M301
5,61	1,60	9.367	SP..86C36B250 - WUDA132STX-H-4G IE2	259,50	0	82500	493,0	M302-M309
5,11	1,46	10.277	SP..86C36B280 - WUDA132STX-H-4G IE2	284,71	0	82500	493,0	M302-M309
4,42	1,26	11.870	SP..86C36B315 - WUDA132STX-H-4G IE2	328,84	0	82500	493,0	M302-M309
4,00	1,14	13.122	SP..86C36B355 - WUDA132STX-H-4G IE2	363,52	0	82500	493,0	M302-M309
4,00	1,14	13.122	SP..86C36B355 - WUDA132STX-H-4G IE2	363,52	0	82500	493,0	M302-M309
3,61	1,03	14.566	SP..86C36B400 - WUDA132STX-H-4G IE2	403,53	0	82500	493,0	M302-M309
3,37	0,96	15.601	SP..86C36B450 - WUDA132STX-H-4G IE2	432,19	0	82500	493,0	M302-M309

P 7,50 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
491,63	2,51	146	SP..36B3,15 - WUDA132MVX-H-4G IE2	2,97	2600	10500	97,0	M262-M269
423,54	2,16	169	SP..36B3,55 - WUDA132MVX-H-4G IE2	3,45	2600	10800	97,0	M262-M269
400,76	2,97	179	SP..46B3,55 - WUDA132MVX-H-4G IE2	3,64	4000	12900	123,0	M270-M277
378,27	2,17	189	SP..36B4 - WUDA132MVX-H-4G IE2	3,86	2600	11100	97,0	M262-M269
348,17	2,77	206	SP..46B4 - WUDA132MVX-H-4G IE2	4,19	4000	13400	123,0	M270-M277
330,39	1,91	217	SP..36B4,5 - WUDA132MVX-H-4G IE2	4,42	2600	11400	97,0	M262-M269
307,11	2,62	233	SP..46B4,5 - WUDA132MVX-H-4G IE2	4,75	4100	13800	123,0	M270-M277
301,13	1,74	238	SP..36B5 - WUDA132MVX-H-4G IE2	4,85	2600	11700	97,0	M262-M269
273,05	2,48	262	SP..46B5 - WUDA132MVX-H-4G IE2	5,35	4200	14200	123,0	M270-M277
260,71	1,51	275	SP..36B5,6 - WUDA132MVX-H-4G IE2	5,60	2500	12000	97,0	M262-M269
238,12	2,29	301	SP..46B5,6 - WUDA132MVX-H-4G IE2	6,13	4200	14700	123,0	M270-M277
235,85	1,37	304	SP..36B6,3 - WUDA132MVX-H-4G IE2	6,19	2500	12200	97,0	M262-M269
215,79	2,20	332	SP..46B6,3 - WUDA132MVX-H-4G IE2	6,77	4200	15000	123,0	M270-M277
212,46	1,23	337	SP..36B7,1 - WUDA132MVX-H-4G IE2	6,87	2400	12400	97,0	M262-M269
196,11	2,33	365	SP..46B7,1 - WUDA132MVX-H-4G IE2	7,44	4300	15300	123,0	M270-M277
180,83	1,87	396	SP..36B8 - WUDA132MVX-H-4G IE2	8,07	2700	13200	97,0	M262-M269
185,61	2,33	386	SP..46B8 - WUDA132MVX-H-4G IE2	7,87	4500	15700	123,0	M270-M277
155,78	1,74	460	SP..36B9 - WUDA132MVX-H-4G IE2	9,37	2600	13500	97,0	M262-M269
165,52	2,20	433	SP..46B9 - WUDA132MVX-H-4G IE2	8,82	4500	16100	123,0	M270-M277
139,13	1,65	515	SP..36B10 - WUDA132MVX-H-4G IE2	10,49	2400	13500	97,0	M262-M269
143,80	2,01	498	SP..46B10 - WUDA132MVX-H-4G IE2	10,15	4500	16600	123,0	M270-M277
121,52	1,44	589	SP..36B11,2 - WUDA132MVX-H-4G IE2	12,01	2200	13500	97,0	M262-M269
126,85	1,88	565	SP..46B11,2 - WUDA132MVX-H-4G IE2	11,51	4500	17000	123,0	M270-M277



5. SP4

P 7,50 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
112,77	1,73	635	SP..46B12,5 - WUDA132MVX-H-4G IE2	12,95	4500	17400	123,0	M270-M277
95,89	1,14	747	SP..36B14 - WUDA132MVX-H-4G IE2	15,23	1800	13500	97,0	M262-M269
98,35	1,57	728	SP..46B14 - WUDA132MVX-H-4G IE2	14,85	4400	17800	123,0	M270-M277
101,06	2,79	709	SP..56B14 - WUDA132MVX-H-4G IE2	14,45	6500	24000	160,0	M278-M285
86,75	1,03	826	SP..36B16 - WUDA132MVX-H-4G IE2	16,83	1500	13500	97,0	M262-M269
89,13	1,46	804	SP..46B16 - WUDA132MVX-H-4G IE2	16,38	4300	18000	123,0	M270-M277
88,78	2,54	807	SP..56B16 - WUDA132MVX-H-4G IE2	16,45	6500	24700	160,0	M278-M285
78,15	0,93	916	SP..36B18 - WUDA132MVX-H-4G IE2	18,68	1200	13500	97,0	M262-M269
81,00	1,37	884	SP..46B18 - WUDA132MVX-H-4G IE2	18,03	4100	18000	123,0	M270-M277
82,23	2,42	871	SP..56B18 - WUDA132MVX-H-4G IE2	17,75	6500	25100	160,0	M278-M285
72,96	0,87	982	SP..36B20 - WUDA132MVX-H-4G IE2	20,01	1000	13500	97,0	M262-M269
71,90	1,25	996	SP..46B20 - WUDA132MVX-H-4G IE2	20,31	3900	18000	123,0	M270-M277
74,19	2,25	965	SP..56B20 - WUDA132MVX-H-4G IE2	19,68	6400	25600	160,0	M278-M285
66,52	1,07	1.077	SP..46C22,4 - WUDA132MVX-H-4G IE2	21,95	3800	18000	123,0	M270-M277
64,82	1,18	1.105	SP..46B22,4 - WUDA132MVX-H-4G IE2	22,52	3700	18000	123,0	M270-M277
64,46	2,04	1.111	SP..56B22,4 - WUDA132MVX-H-4G IE2	22,65	6300	26300	160,0	M278-M285
57,31	0,96	1.250	SP..46C25 - WUDA132MVX-H-4G IE2	25,48	3400	18000	123,0	M270-M277
56,59	1,07	1.266	SP..46B25 - WUDA132MVX-H-4G IE2	25,80	3400	18000	123,0	M270-M277
57,15	1,88	1.253	SP..56B25 - WUDA132MVX-H-4G IE2	25,55	6200	26900	160,0	M278-M285
51,18	0,89	1.399	SP..46C28 - WUDA132MVX-H-4G IE2	28,53	3000	18000	123,0	M270-M277
48,19	0,94	1.486	SP..46B28 - WUDA132MVX-H-4G IE2	30,30	2800	18000	123,0	M270-M277
50,20	1,72	1.427	SP..56B28 - WUDA132MVX-H-4G IE2	29,09	6000	27000	160,0	M278-M285
45,03	0,91	1.590	SP..46B31,5 - WUDA132MVX-H-4G IE2	32,42	2500	18000	123,0	M270-M277
46,45	1,36	1.542	SP..56C31,5 - WUDA132MVX-H-4G IE2	31,43	5800	27000	160,0	M278-M285
45,75	1,61	1.565	SP..56B31,5 - WUDA132MVX-H-4G IE2	31,91	5800	27000	160,0	M278-M285
40,32	0,85	1.776	SP..46B35,5 - WUDA132MVX-H-4G IE2	36,21	2000	18000	123,0	M270-M277
43,33	1,33	1.653	SP..56C35,5 - WUDA132MVX-H-4G IE2	33,69	5600	27000	160,0	M278-M285
39,91	1,47	1.795	SP..56B35,5 - WUDA132MVX-H-4G IE2	36,58	5400	27000	160,0	M278-M285
41,06	2,41	1.744	SP..66C35,5 - WUDA132MVX-H-4G IE2	35,56	0	30000	221,0	M286-M293
41,93	2,84	1.708	SP..66B35,5 - WUDA132MVX-H-4G IE2	34,82	0	30000	221,0	M286-M293
38,64	1,24	1.853	SP..56C40 - WUDA132MVX-H-4G IE2	37,78	5300	27000	160,0	M278-M285
36,82	1,41	1.945	SP..56B40 - WUDA132MVX-H-4G IE2	39,65	5100	27000	160,0	M278-M285
38,30	2,35	1.870	SP..66C40 - WUDA132MVX-H-4G IE2	38,12	0	30000	221,0	M286-M293
38,41	2,68	1.865	SP..66B40 - WUDA132MVX-H-4G IE2	38,01	0	30000	221,0	M286-M293
33,57	1,13	2.133	SP..56C45 - WUDA132MVX-H-4G IE2	43,49	4800	27000	160,0	M278-M285
31,21	1,25	2.295	SP..56B45 - WUDA132MVX-H-4G IE2	46,78	4400	27000	160,0	M278-M285
34,16	2,22	2.097	SP..66C45 - WUDA132MVX-H-4G IE2	42,75	0	30000	221,0	M286-M293
33,56	2,41	2.134	SP..66B45 - WUDA132MVX-H-4G IE2	43,51	0	30000	221,0	M286-M293
29,61	1,03	2.418	SP..56C50 - WUDA132MVX-H-4G IE2	49,30	4200	27000	160,0	M278-M285
27,98	1,13	2.560	SP..56B50 - WUDA132MVX-H-4G IE2	52,18	3900	27000	160,0	M278-M285
29,67	2,03	2.414	SP..66C50 - WUDA132MVX-H-4G IE2	49,20	0	30000	221,0	M286-M293
30,71	2,08	2.332	SP..66B50 - WUDA132MVX-H-4G IE2	47,54	0	30000	221,0	M286-M293
25,16	0,95	2.847	SP..56B56 - WUDA132MVX-H-4G IE2	58,03	3200	27000	160,0	M278-M285
26,33	0,96	2.720	SP..56C56 - WUDA132MVX-H-4G IE2	55,45	3500	27000	160,0	M278-M285
26,07	1,77	2.747	SP..66B56 - WUDA132MVX-H-4G IE2	56,00	0	30000	221,0	M286-M293
26,17	1,86	2.736	SP..66C56 - WUDA132MVX-H-4G IE2	55,78	0	30000	221,0	M286-M293
25,31	2,79	2.829	SP..76C56 - WUDA132MVX-H-4G IE2	57,68	0	50000	312,0	M294-M301
26,28	2,94	2.725	SP..76B56 - WUDA132MVX-H-4G IE2	55,55	0	50000	312,0	M294-M301
22,96	0,87	3.119	SP..56C63 - WUDA132MVX-H-4G IE2	63,59	2600	27000	160,0	M278-M285
23,67	1,60	3.026	SP..66B63 - WUDA132MVX-H-4G IE2	61,68	0	30000	221,0	M286-M293
23,27	1,72	3.078	SP..66C63 - WUDA132MVX-H-4G IE2	62,74	0	30000	221,0	M286-M293

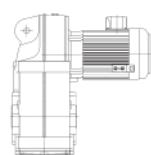


P 7,50 kW
n₁ 1460 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
22,50	2,51	3.182	SP..76C63 - WUDA132MVX-H-4G IE2	64,88	0	50000	312,0	M294-M301
21,32	1,34	3.360	SP..66B71 - WUDA132MVX-H-4G IE2	68,49	0	30000	221,0	M286-M293
20,29	1,53	3.529	SP..66C71 - WUDA132MVX-H-4G IE2	71,94	0	30000	221,0	M286-M293
19,63	2,19	3.649	SP..76C71 - WUDA132MVX-H-4G IE2	74,39	0	50000	312,0	M294-M301
18,39	1,41	3.894	SP..66C80 - WUDA132MVX-H-4G IE2	79,38	0	30000	221,0	M286-M293
17,79	1,99	4.027	SP..76C80 - WUDA132MVX-H-4G IE2	82,09	0	50000	312,0	M294-M301
16,71	1,28	4.285	SP..66C90 - WUDA132MVX-H-4G IE2	87,35	0	30000	221,0	M286-M293
16,16	1,81	4.431	SP..76C90 - WUDA132MVX-H-4G IE2	90,33	0	50000	312,0	M294-M301
14,84	1,14	4.827	SP..66C100 - WUDA132MVX-H-4G IE2	98,40	0	30000	221,0	M286-M293
14,35	1,60	4.992	SP..76C100 - WUDA132MVX-H-4G IE2	101,75	0	50000	312,0	M294-M301
13,38	1,03	5.355	SP..66C112 - WUDA132MVX-H-4G IE2	109,15	0	30000	221,0	M286-M293
12,94	1,44	5.537	SP..76C112 - WUDA132MVX-H-4G IE2	112,87	0	50000	312,0	M294-M301
13,09	2,74	5.469	SP..86C112 - WUDA132MVX-H-4G IE2	111,49	0	82500	467,0	M302-M309
11,68	0,90	6.133	SP..66C125 - WUDA132MVX-H-4G IE2	125,03	0	30000	221,0	M286-M293
11,29	1,26	6.342	SP..76C125 - WUDA132MVX-H-4G IE2	129,29	0	50000	312,0	M294-M301
12,09	1,35	5.924	SP..76B36B125 - WUDA132MVX-H-4G IE2	120,76	0	50000	347,0	M294-M301
11,77	2,46	6.086	SP..86C125 - WUDA132MVX-H-4G IE2	124,07	0	82500	467,0	M302-M309
9,62	1,07	7.447	SP..76C140 - WUDA132MVX-H-4G IE2	151,82	0	50000	312,0	M294-M301
10,42	1,16	6.876	SP..76B36B140 - WUDA132MVX-H-4G IE2	140,18	0	50000	347,0	M294-M301
8,99	1,00	7.970	SP..76C160 - WUDA132MVX-H-4G IE2	162,47	0	50000	312,0	M294-M301
9,30	1,04	7.699	SP..76B36B160 - WUDA132MVX-H-4G IE2	156,96	0	50000	347,0	M294-M301
8,05	0,90	8.901	SP..76C180 - WUDA132MVX-H-4G IE2	181,46	0	50000	312,0	M294-M301
8,12	0,91	8.815	SP..76B36B180 - WUDA132MVX-H-4G IE2	179,70	0	50000	347,0	M294-M301
8,37	1,75	8.554	SP..86C36B180 - WUDA132MVX-H-4G IE2	174,39	0	82500	502,0	M302-M309
7,21	1,51	9.930	SP..86C36B200 - WUDA132MVX-H-4G IE2	202,42	0	82500	502,0	M302-M309
6,44	1,35	11.118	SP..86C36B224 - WUDA132MVX-H-4G IE2	226,65	0	82500	502,0	M302-M309
5,63	1,18	12.729	SP..86C36B250 - WUDA132MVX-H-4G IE2	259,50	0	82500	502,0	M302-M309
5,13	1,07	13.966	SP..86C36B280 - WUDA132MVX-H-4G IE2	284,71	0	82500	502,0	M302-M309
4,44	0,93	16.131	SP..86C36B315 - WUDA132MVX-H-4G IE2	328,84	0	82500	502,0	M302-M309

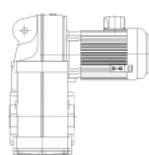
P 11,00 kW
n₁ 1465 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
483,42	2,07	217	SP..46B2,8 - WUDA160MJ-H-4G IE2	3,03	3400	12000	181,0	M270-M277
450,94	2,10	233	SP..46B3,15 - WUDA160MJ-H-4G IE2	3,25	3500	12200	181,0	M270-M277
402,13	2,03	261	SP..46B3,55 - WUDA160MJ-H-4G IE2	3,64	3500	12500	181,0	M270-M277
349,36	1,90	301	SP..46B4 - WUDA160MJ-H-4G IE2	4,19	3500	12900	181,0	M270-M277
308,17	1,79	341	SP..46B4,5 - WUDA160MJ-H-4G IE2	4,75	3500	13200	181,0	M270-M277
273,98	1,70	383	SP..46B5 - WUDA160MJ-H-4G IE2	5,35	3500	13500	181,0	M270-M277
238,93	1,57	440	SP..46B5,6 - WUDA160MJ-H-4G IE2	6,13	3500	13900	181,0	M270-M277
216,53	1,50	485	SP..46B6,3 - WUDA160MJ-H-4G IE2	6,77	3400	14100	181,0	M270-M277
196,78	1,59	534	SP..46B7,1 - WUDA160MJ-H-4G IE2	7,44	3300	14400	181,0	M270-M277
206,45	2,95	509	SP..56B7,1 - WUDA160MJ-H-4G IE2	7,10	5300	19600	218,0	M278-M285
186,25	1,60	564	SP..46B8 - WUDA160MJ-H-4G IE2	7,87	3600	14800	181,0	M270-M277
179,29	2,75	586	SP..56B8 - WUDA160MJ-H-4G IE2	8,17	5300	20300	218,0	M278-M285
166,09	1,50	632	SP..46B9 - WUDA160MJ-H-4G IE2	8,82	3600	15100	181,0	M270-M277
158,71	2,57	662	SP..56B9 - WUDA160MJ-H-4G IE2	9,23	5400	20800	218,0	M278-M285
144,30	1,37	728	SP..46B10 - WUDA160MJ-H-4G IE2	10,15	3400	15500	181,0	M270-M277



5. SP4

P n ₁	11,00 kW 1465 min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
143,78	2,46	731	SP..56B10 - WUDA160MJ-H-4G IE2	10,19	5300	21200	218,0	M278-M285	
127,28	1,28	825	SP..46B11,2 - WUDA160MJ-H-4G IE2	11,51	3200	15700	181,0	M270-M277	
126,69	2,24	829	SP..56B11,2 - WUDA160MJ-H-4G IE2	11,56	5300	21800	218,0	M278-M285	
113,16	1,19	928	SP..46B12,5 - WUDA160MJ-H-4G IE2	12,95	3000	16000	181,0	M270-M277	
112,71	2,06	932	SP..56B12,5 - WUDA160MJ-H-4G IE2	13,00	5200	22300	218,0	M278-M285	
98,68	1,07	1.064	SP..46B14 - WUDA160MJ-H-4G IE2	14,85	2700	16200	181,0	M270-M277	
101,41	1,91	1.036	SP..56B14 - WUDA160MJ-H-4G IE2	14,45	5100	22700	218,0	M278-M285	
89,43	1,00	1.175	SP..46B16 - WUDA160MJ-H-4G IE2	16,38	2500	16300	181,0	M270-M277	
89,08	1,74	1.179	SP..56B16 - WUDA160MJ-H-4G IE2	16,45	4900	23200	218,0	M278-M285	
81,27	0,94	1.292	SP..46B18 - WUDA160MJ-H-4G IE2	18,03	2200	16400	181,0	M270-M277	
82,51	1,66	1.273	SP..56B18 - WUDA160MJ-H-4G IE2	17,75	4800	23500	218,0	M278-M285	
83,67	2,99	1.255	SP..66B18 - WUDA160MJ-H-4G IE2	17,51	0	30000	280,0	M286-M293	
72,15	0,86	1.456	SP..46B20 - WUDA160MJ-H-4G IE2	20,31	1700	16400	181,0	M270-M277	
74,44	1,54	1.411	SP..56B20 - WUDA160MJ-H-4G IE2	19,68	4600	23800	218,0	M278-M285	
72,97	2,74	1.440	SP..66B20 - WUDA160MJ-H-4G IE2	20,08	0	30000	280,0	M286-M293	
64,68	1,40	1.624	SP..56B22,4 - WUDA160MJ-H-4G IE2	22,65	4200	24200	218,0	M278-M285	
62,98	2,52	1.668	SP..66B22,4 - WUDA160MJ-H-4G IE2	23,26	0	30000	280,0	M286-M293	
57,35	1,28	1.832	SP..56B25 - WUDA160MJ-H-4G IE2	25,55	3800	24600	218,0	M278-M285	
56,68	2,37	1.853	SP..66B25 - WUDA160MJ-H-4G IE2	25,85	0	30000	280,0	M286-M293	
50,37	1,17	2.085	SP..56B28 - WUDA160MJ-H-4G IE2	29,09	3300	24800	218,0	M278-M285	
53,06	2,27	1.980	SP..66B28 - WUDA160MJ-H-4G IE2	27,61	0	30000	280,0	M286-M293	
46,61	0,93	2.253	SP..56C31,5 - WUDA160MJ-H-4G IE2	31,43	2900	24900	218,0	M278-M285	
45,91	1,10	2.288	SP..56B31,5 - WUDA160MJ-H-4G IE2	31,91	2800	24900	218,0	M278-M285	
47,73	2,11	2.201	SP..66B31,5 - WUDA160MJ-H-4G IE2	30,69	0	30000	280,0	M286-M293	
43,48	0,91	2.416	SP..56C35,5 - WUDA160MJ-H-4G IE2	33,69	2500	25000	218,0	M278-M285	
40,04	1,01	2.623	SP..56B35,5 - WUDA160MJ-H-4G IE2	36,58	2000	25000	218,0	M278-M285	
41,20	1,65	2.550	SP..66C35,5 - WUDA160MJ-H-4G IE2	35,56	0	30000	280,0	M286-M293	
42,07	1,94	2.497	SP..66B35,5 - WUDA160MJ-H-4G IE2	34,82	0	30000	280,0	M286-M293	
39,84	2,62	2.636	SP..76C35,5 - WUDA160MJ-H-4G IE2	36,77	0	50000	371,0	M294-M301	
41,47	2,86	2.533	SP..76B35,5 - WUDA160MJ-H-4G IE2	35,33	0	50000	371,0	M294-M301	
36,95	0,97	2.843	SP..56B40 - WUDA160MJ-H-4G IE2	39,65	1500	25100	218,0	M278-M285	
38,43	1,61	2.733	SP..66C40 - WUDA160MJ-H-4G IE2	38,12	0	30000	280,0	M286-M293	
38,54	1,83	2.725	SP..66B40 - WUDA160MJ-H-4G IE2	38,01	0	30000	280,0	M286-M293	
37,17	2,49	2.826	SP..76C40 - WUDA160MJ-H-4G IE2	39,42	0	50000	371,0	M294-M301	
38,24	2,69	2.747	SP..76B40 - WUDA160MJ-H-4G IE2	38,31	0	50000	371,0	M294-M301	
31,32	0,86	3.354	SP..56B45 - WUDA160MJ-H-4G IE2	46,78	100	24900	218,0	M278-M285	
34,27	1,52	3.065	SP..66C45 - WUDA160MJ-H-4G IE2	42,75	0	30000	280,0	M286-M293	
33,67	1,65	3.120	SP..66B45 - WUDA160MJ-H-4G IE2	43,51	0	30000	280,0	M286-M293	
33,14	2,30	3.169	SP..76C45 - WUDA160MJ-H-4G IE2	44,20	0	50000	371,0	M294-M301	
32,39	2,37	3.243	SP..76B45 - WUDA160MJ-H-4G IE2	45,22	0	50000	371,0	M294-M301	
29,78	1,39	3.528	SP..66C50 - WUDA160MJ-H-4G IE2	49,20	0	30000	280,0	M286-M293	
30,82	1,42	3.409	SP..66B50 - WUDA160MJ-H-4G IE2	47,54	0	30000	280,0	M286-M293	
28,79	2,08	3.648	SP..76C50 - WUDA160MJ-H-4G IE2	50,88	0	50000	371,0	M294-M301	
29,35	2,24	3.579	SP..76B50 - WUDA160MJ-H-4G IE2	49,92	0	50000	371,0	M294-M301	
26,16	1,21	4.015	SP..66B56 - WUDA160MJ-H-4G IE2	56,00	0	30000	280,0	M286-M293	
26,26	1,28	3.999	SP..66C56 - WUDA160MJ-H-4G IE2	55,78	0	30000	280,0	M286-M293	
25,40	1,91	4.136	SP..76C56 - WUDA160MJ-H-4G IE2	57,68	0	50000	371,0	M294-M301	
26,37	2,01	3.983	SP..76B56 - WUDA160MJ-H-4G IE2	55,55	0	50000	371,0	M294-M301	
23,75	1,10	4.422	SP..66B63 - WUDA160MJ-H-4G IE2	61,68	0	30000	280,0	M286-M293	
23,35	1,18	4.498	SP..66C63 - WUDA160MJ-H-4G IE2	62,74	0	30000	280,0	M286-M293	
22,58	1,72	4.652	SP..76C63 - WUDA160MJ-H-4G IE2	64,88	0	50000	371,0	M294-M301	



P 11,00 kW

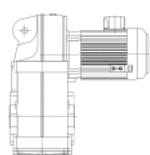
n₁ 1465 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
21,39	0,92	4.911	SP..66B71 - WUDA160MJ-H-4G IE2	68,49	0	30000	280,0	M286-M293
20,36	1,05	5.158	SP..66C71 - WUDA160MJ-H-4G IE2	71,94	0	30000	280,0	M286-M293
19,69	1,50	5.334	SP..76C71 - WUDA160MJ-H-4G IE2	74,39	0	50000	371,0	M294-M301
20,29	2,90	5.177	SP..86C71 - WUDA160MJ-H-4G IE2	72,20	0	72400	526,0	M302-M309
18,45	0,97	5.692	SP..66C80 - WUDA160MJ-H-4G IE2	79,38	0	30000	280,0	M286-M293
17,85	1,36	5.886	SP..76C80 - WUDA160MJ-H-4G IE2	82,09	0	50000	371,0	M294-M301
18,57	2,65	5.658	SP..86C80 - WUDA160MJ-H-4G IE2	78,91	0	73500	526,0	M302-M309
16,77	0,88	6.263	SP..66C90 - WUDA160MJ-H-4G IE2	87,35	0	30000	280,0	M286-M293
16,22	1,24	6.477	SP..76C90 - WUDA160MJ-H-4G IE2	90,33	0	50000	371,0	M294-M301
17,12	2,44	6.135	SP..86C90 - WUDA160MJ-H-4G IE2	85,57	0	74600	526,0	M302-M309
14,40	1,10	7.296	SP..76C100 - WUDA160MJ-H-4G IE2	101,75	0	50000	371,0	M294-M301
14,50	2,07	7.243	SP..86C100 - WUDA160MJ-H-4G IE2	101,01	0	76600	526,0	M302-M309
12,98	0,99	8.093	SP..76C112 - WUDA160MJ-H-4G IE2	112,87	0	50000	371,0	M294-M301
13,14	1,88	7.994	SP..86C112 - WUDA160MJ-H-4G IE2	111,49	0	77800	526,0	M302-M309
11,33	0,86	9.270	SP..76C125 - WUDA160MJ-H-4G IE2	129,29	0	50000	371,0	M294-M301
11,81	1,69	8.896	SP..86C125 - WUDA160MJ-H-4G IE2	124,07	0	78900	526,0	M302-M309

P 15,00 kW

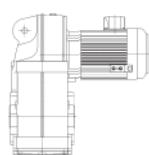
n₁ 1460 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
481,77	1,51	297	SP..46B2,8 - WUDA160LR-H-4G IE2	3,03	3000	11500	192,0	M270-M277
449,40	1,54	319	SP..46B3,15 - WUDA160LR-H-4G IE2	3,25	3000	11700	192,0	M270-M277
457,24	2,87	313	SP..56B3,15 - WUDA160LR-H-4G IE2	3,19	4200	15600	229,0	M278-M285
400,76	1,48	357	SP..46B3,55 - WUDA160LR-H-4G IE2	3,64	3000	12000	192,0	M270-M277
414,57	2,74	346	SP..56B3,55 - WUDA160LR-H-4G IE2	3,52	4300	16000	229,0	M278-M285
348,17	1,39	411	SP..46B4 - WUDA160LR-H-4G IE2	4,19	2900	12300	192,0	M270-M277
360,02	2,59	398	SP..56B4 - WUDA160LR-H-4G IE2	4,06	4300	16500	229,0	M278-M285
307,11	1,31	466	SP..46B4,5 - WUDA160LR-H-4G IE2	4,75	2900	12600	192,0	M270-M277
318,70	2,44	449	SP..56B4,5 - WUDA160LR-H-4G IE2	4,58	4300	17000	229,0	M278-M285
273,05	1,24	525	SP..46B5 - WUDA160LR-H-4G IE2	5,35	2800	12800	192,0	M270-M277
288,72	2,34	496	SP..56B5 - WUDA160LR-H-4G IE2	5,06	4300	17300	229,0	M278-M285
238,12	1,15	602	SP..46B5,6 - WUDA160LR-H-4G IE2	6,13	2600	13000	192,0	M270-M277
254,39	2,22	563	SP..56B5,6 - WUDA160LR-H-4G IE2	5,74	4300	17800	229,0	M278-M285
215,79	1,10	664	SP..46B6,3 - WUDA160LR-H-4G IE2	6,77	2500	13200	192,0	M270-M277
226,92	2,25	631	SP..56B6,3 - WUDA160LR-H-4G IE2	6,43	4600	18500	229,0	M278-M285
196,11	1,16	730	SP..46B7,1 - WUDA160LR-H-4G IE2	7,44	2300	13400	192,0	M270-M277
205,75	2,15	696	SP..56B7,1 - WUDA160LR-H-4G IE2	7,10	4500	18900	229,0	M278-M285
185,61	1,17	772	SP..46B8 - WUDA160LR-H-4G IE2	7,87	2700	13900	192,0	M270-M277
178,67	2,01	802	SP..56B8 - WUDA160LR-H-4G IE2	8,17	4500	19400	229,0	M278-M285
165,52	1,10	865	SP..46B9 - WUDA160LR-H-4G IE2	8,82	2500	14100	192,0	M270-M277
158,17	1,88	906	SP..56B9 - WUDA160LR-H-4G IE2	9,23	4400	19800	229,0	M278-M285
143,80	1,00	996	SP..46B10 - WUDA160LR-H-4G IE2	10,15	2200	14200	192,0	M270-M277
143,29	1,80	1.000	SP..56B10 - WUDA160LR-H-4G IE2	10,19	4300	20200	229,0	M278-M285
140,03	2,88	1.023	SP..66B10 - WUDA160LR-H-4G IE2	10,43	0	26900	291,0	M286-M293
126,85	0,94	1.129	SP..46B11,2 - WUDA160LR-H-4G IE2	11,51	1800	14300	192,0	M270-M277
126,25	1,64	1.135	SP..56B11,2 - WUDA160LR-H-4G IE2	11,56	4100	20600	229,0	M278-M285
125,19	2,71	1.144	SP..66B11,2 - WUDA160LR-H-4G IE2	11,66	0	27500	291,0	M286-M293
112,77	0,87	1.270	SP..46B12,5 - WUDA160LR-H-4G IE2	12,95	1400	14400	192,0	M270-M277
112,33	1,51	1.275	SP..56B12,5 - WUDA160LR-H-4G IE2	13,00	3800	20900	229,0	M278-M285

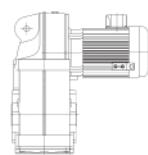


5. SP4

P 15,00 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
115,95	2,63	1.235	SP..66B12,5 - WUDA160LR-H-4G IE2	12,59	0	27900	291,0	M286-M293
101,06	1,40	1.417	SP..56B14 - WUDA160LR-H-4G IE2	14,45	3600	21200	229,0	M278-M285
102,97	2,44	1.391	SP..66B14 - WUDA160LR-H-4G IE2	14,18	0	28600	291,0	M286-M293
88,78	1,27	1.613	SP..56B16 - WUDA160LR-H-4G IE2	16,45	3200	21500	229,0	M278-M285
90,93	2,29	1.575	SP..66B16 - WUDA160LR-H-4G IE2	16,06	0	29100	291,0	M286-M293
82,23	1,21	1.742	SP..56B18 - WUDA160LR-H-4G IE2	17,75	2900	21600	229,0	M278-M285
83,39	2,18	1.718	SP..66B18 - WUDA160LR-H-4G IE2	17,51	0	29500	291,0	M286-M293
74,19	1,13	1.931	SP..56B20 - WUDA160LR-H-4G IE2	19,68	2500	21800	229,0	M278-M285
72,72	2,01	1.970	SP..66B20 - WUDA160LR-H-4G IE2	20,08	0	30000	291,0	M286-M293
64,46	1,02	2.222	SP..56B22,4 - WUDA160LR-H-4G IE2	22,65	1800	21900	229,0	M278-M285
62,76	1,84	2.282	SP..66B22,4 - WUDA160LR-H-4G IE2	23,26	0	30000	291,0	M286-M293
66,20	2,91	2.164	SP..76B22,4 - WUDA160LR-H-4G IE2	22,06	0	46700	382,0	M294-M301
57,15	0,94	2.506	SP..56B25 - WUDA160LR-H-4G IE2	25,55	1100	21900	229,0	M278-M285
56,49	1,74	2.536	SP..66B25 - WUDA160LR-H-4G IE2	25,85	0	30000	291,0	M286-M293
58,63	2,68	2.443	SP..76B25 - WUDA160LR-H-4G IE2	24,90	0	47800	382,0	M294-M301
50,20	0,86	2.854	SP..56B28 - WUDA160LR-H-4G IE2	29,09	200	21800	229,0	M278-M285
52,88	1,66	2.709	SP..66B28 - WUDA160LR-H-4G IE2	27,61	0	30000	291,0	M286-M293
52,10	2,47	2.749	SP..76B28 - WUDA160LR-H-4G IE2	28,02	0	48900	382,0	M294-M301
47,57	1,54	3.011	SP..66B31,5 - WUDA160LR-H-4G IE2	30,69	0	30000	291,0	M286-M293
45,17	2,22	3.171	SP..76B31,5 - WUDA160LR-H-4G IE2	32,32	0	50000	382,0	M294-M301
41,06	1,20	3.489	SP..66C35,5 - WUDA160LR-H-4G IE2	35,56	0	30000	291,0	M286-M293
41,93	1,42	3.416	SP..66B35,5 - WUDA160LR-H-4G IE2	34,82	0	30000	291,0	M286-M293
39,71	1,91	3.607	SP..76C35,5 - WUDA160LR-H-4G IE2	36,77	0	50000	382,0	M294-M301
41,33	2,09	3.466	SP..76B35,5 - WUDA160LR-H-4G IE2	35,33	0	50000	382,0	M294-M301
38,30	1,18	3.740	SP..66C40 - WUDA160LR-H-4G IE2	38,12	0	30000	291,0	M286-M293
38,41	1,34	3.729	SP..66B40 - WUDA160LR-H-4G IE2	38,01	0	30000	291,0	M286-M293
37,04	1,82	3.867	SP..76C40 - WUDA160LR-H-4G IE2	39,42	0	50000	382,0	M294-M301
38,11	1,97	3.758	SP..76B40 - WUDA160LR-H-4G IE2	38,31	0	50000	382,0	M294-M301
34,16	1,11	4.194	SP..66C45 - WUDA160LR-H-4G IE2	42,75	0	30000	291,0	M286-M293
33,56	1,21	4.269	SP..66B45 - WUDA160LR-H-4G IE2	43,51	0	30000	291,0	M286-M293
33,03	1,68	4.337	SP..76C45 - WUDA160LR-H-4G IE2	44,20	0	50000	382,0	M294-M301
32,28	1,74	4.437	SP..76B45 - WUDA160LR-H-4G IE2	45,22	0	50000	382,0	M294-M301
29,67	1,02	4.827	SP..66C50 - WUDA160LR-H-4G IE2	49,20	0	30000	291,0	M286-M293
30,71	1,04	4.664	SP..66B50 - WUDA160LR-H-4G IE2	47,54	0	30000	291,0	M286-M293
28,70	1,52	4.992	SP..76C50 - WUDA160LR-H-4G IE2	50,88	0	50000	382,0	M294-M301
29,25	1,63	4.897	SP..76B50 - WUDA160LR-H-4G IE2	49,92	0	50000	382,0	M294-M301
26,07	0,88	5.494	SP..66B56 - WUDA160LR-H-4G IE2	56,00	0	30000	291,0	M286-M293
26,17	0,93	5.473	SP..66C56 - WUDA160LR-H-4G IE2	55,78	0	30000	291,0	M286-M293
25,31	1,40	5.659	SP..76C56 - WUDA160LR-H-4G IE2	57,68	0	50000	382,0	M294-M301
26,28	1,47	5.450	SP..76B56 - WUDA160LR-H-4G IE2	55,55	0	50000	382,0	M294-M301
26,25	2,75	5.457	SP..86C56 - WUDA160LR-H-4G IE2	55,62	0	65400	537,0	M302-M309
23,27	0,86	6.155	SP..66C63 - WUDA160LR-H-4G IE2	62,74	0	29900	291,0	M286-M293
22,50	1,26	6.365	SP..76C63 - WUDA160LR-H-4G IE2	64,88	0	50000	382,0	M294-M301
23,33	2,44	6.141	SP..86C63 - WUDA160LR-H-4G IE2	62,59	0	66700	537,0	M302-M309
19,63	1,10	7.299	SP..76C71 - WUDA160LR-H-4G IE2	74,39	0	50000	382,0	M294-M301
20,22	2,12	7.083	SP..86C71 - WUDA160LR-H-4G IE2	72,20	0	68100	537,0	M302-M309
17,79	0,99	8.054	SP..76C80 - WUDA160LR-H-4G IE2	82,09	0	50000	382,0	M294-M301
18,50	1,94	7.742	SP..86C80 - WUDA160LR-H-4G IE2	78,91	0	68900	537,0	M302-M309
16,16	0,90	8.862	SP..76C90 - WUDA160LR-H-4G IE2	90,33	0	50000	382,0	M294-M301
17,06	1,79	8.395	SP..86C90 - WUDA160LR-H-4G IE2	85,57	0	69600	537,0	M302-M309
14,45	1,51	9.910	SP..86C100 - WUDA160LR-H-4G IE2	101,01	0	70700	537,0	M302-M309
13,09	1,37	10.939	SP..86C112 - WUDA160LR-H-4G IE2	111,49	0	71200	537,0	M302-M309
11,77	1,23	12.172	SP..86C125 - WUDA160LR-H-4G IE2	124,07	0	71600	537,0	M302-M309



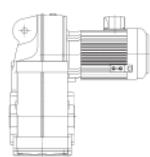
P 18,50 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
485,07	1,24	364	SP..46B2,8 - WUDA180ME-H-4G IE2	3,03	2600	11200	244,0	M270-M277
452,48	1,26	390	SP..46B3,15 - WUDA180ME-H-4G IE2	3,25	2600	11300	244,0	M270-M277
460,38	2,35	384	SP..56B3,15 - WUDA180ME-H-4G IE2	3,19	3900	15300	281,0	M278-M285
403,51	1,21	438	SP..46B3,55 - WUDA180ME-H-4G IE2	3,64	2500	11500	244,0	M270-M277
417,41	2,23	423	SP..56B3,55 - WUDA180ME-H-4G IE2	3,52	3900	15700	281,0	M278-M285
350,56	1,13	504	SP..46B4 - WUDA180ME-H-4G IE2	4,19	2400	11800	244,0	M270-M277
362,49	2,11	487	SP..56B4 - WUDA180ME-H-4G IE2	4,06	3900	16100	281,0	M278-M285
309,22	1,07	571	SP..46B4,5 - WUDA180ME-H-4G IE2	4,75	2300	12000	244,0	M270-M277
320,88	1,99	551	SP..56B4,5 - WUDA180ME-H-4G IE2	4,58	3800	16500	281,0	M278-M285
274,92	1,01	643	SP..46B5 - WUDA180ME-H-4G IE2	5,35	2100	12200	244,0	M270-M277
290,69	1,91	608	SP..56B5 - WUDA180ME-H-4G IE2	5,06	3800	16800	281,0	M278-M285
287,02	2,92	615	SP..66B5 - WUDA180ME-H-4G IE2	5,12	0	22300	344,0	M286-M293
239,75	0,94	737	SP..46B5,6 - WUDA180ME-H-4G IE2	6,13	1800	12300	244,0	M270-M277
256,14	1,81	690	SP..56B5,6 - WUDA180ME-H-4G IE2	5,74	3700	17200	281,0	M278-M285
256,61	2,76	688	SP..66B5,6 - WUDA180ME-H-4G IE2	5,73	0	22900	344,0	M286-M293
217,27	0,90	813	SP..46B6,3 - WUDA180ME-H-4G IE2	6,77	1600	12400	244,0	M270-M277
228,48	1,84	773	SP..56B6,3 - WUDA180ME-H-4G IE2	6,43	4000	17900	281,0	M278-M285
231,49	2,95	763	SP..66B6,3 - WUDA180ME-H-4G IE2	6,35	0	23600	344,0	M286-M293
207,15	1,76	853	SP..56B7,1 - WUDA180ME-H-4G IE2	7,10	3900	18300	281,0	M278-M285
208,54	2,83	847	SP..66B7,1 - WUDA180ME-H-4G IE2	7,05	0	24200	344,0	M286-M293
186,88	0,95	945	SP..46B8 - WUDA180ME-H-4G IE2	7,87	1800	13100	244,0	M270-M277
179,90	1,64	982	SP..56B8 - WUDA180ME-H-4G IE2	8,17	3700	18700	281,0	M278-M285
175,00	2,63	1.009	SP..66B8 - WUDA180ME-H-4G IE2	8,40	0	25000	344,0	M286-M293
166,66	0,90	1.060	SP..46B9 - WUDA180ME-H-4G IE2	8,82	1500	13100	244,0	M270-M277
159,25	1,53	1.109	SP..56B9 - WUDA180ME-H-4G IE2	9,23	3500	19000	281,0	M278-M285
162,99	2,54	1.084	SP..66B9 - WUDA180ME-H-4G IE2	9,02	0	25400	344,0	M286-M293
144,27	1,47	1.225	SP..56B10 - WUDA180ME-H-4G IE2	10,19	3300	19300	281,0	M278-M285
140,99	2,35	1.253	SP..66B10 - WUDA180ME-H-4G IE2	10,43	0	26100	344,0	M286-M293
127,12	1,34	1.390	SP..56B11,2 - WUDA180ME-H-4G IE2	11,56	3000	19500	281,0	M278-M285
126,05	2,21	1.402	SP..66B11,2 - WUDA180ME-H-4G IE2	11,66	0	26600	344,0	M286-M293
113,10	1,23	1.562	SP..56B12,5 - WUDA180ME-H-4G IE2	13,00	2600	19800	281,0	M278-M285
116,74	2,15	1.513	SP..66B12,5 - WUDA180ME-H-4G IE2	12,59	0	26900	344,0	M286-M293
101,75	1,14	1.736	SP..56B14 - WUDA180ME-H-4G IE2	14,45	2200	19900	281,0	M278-M285
103,67	2,00	1.704	SP..66B14 - WUDA180ME-H-4G IE2	14,18	0	27400	344,0	M286-M293
89,39	1,04	1.976	SP..56B16 - WUDA180ME-H-4G IE2	16,45	1700	20000	281,0	M278-M285
91,55	1,87	1.930	SP..66B16 - WUDA180ME-H-4G IE2	16,06	0	27800	344,0	M286-M293
82,79	0,99	2.134	SP..56B18 - WUDA180ME-H-4G IE2	17,75	1300	20000	281,0	M278-M285
83,96	1,78	2.104	SP..66B18 - WUDA180ME-H-4G IE2	17,51	0	28100	344,0	M286-M293
83,14	2,78	2.125	SP..76B18 - WUDA180ME-H-4G IE2	17,68	0	43400	435,0	M294-M301
74,70	0,92	2.365	SP..56B20 - WUDA180ME-H-4G IE2	19,68	700	20000	281,0	M278-M285
73,22	1,64	2.413	SP..66B20 - WUDA180ME-H-4G IE2	20,08	0	28400	344,0	M286-M293
74,67	2,58	2.366	SP..76B20 - WUDA180ME-H-4G IE2	19,69	0	44300	435,0	M294-M301
63,19	1,50	2.796	SP..66B22,4 - WUDA180ME-H-4G IE2	23,26	0	28700	344,0	M286-M293
66,65	2,38	2.651	SP..76B22,4 - WUDA180ME-H-4G IE2	22,06	0	45100	435,0	M294-M301
56,88	1,42	3.106	SP..66B25 - WUDA180ME-H-4G IE2	25,85	0	28800	344,0	M286-M293
59,04	2,19	2.992	SP..76B25 - WUDA180ME-H-4G IE2	24,90	0	46000	435,0	M294-M301
53,24	1,36	3.318	SP..66B28 - WUDA180ME-H-4G IE2	27,61	0	28800	344,0	M286-M293
52,46	2,02	3.368	SP..76B28 - WUDA180ME-H-4G IE2	28,02	0	46800	435,0	M294-M301
47,89	1,26	3.689	SP..66B31,5 - WUDA180ME-H-4G IE2	30,69	0	28800	344,0	M286-M293
45,48	1,81	3.884	SP..76B31,5 - WUDA180ME-H-4G IE2	32,32	0	47600	435,0	M294-M301
41,34	0,98	4.273	SP..66C35,5 - WUDA180ME-H-4G IE2	35,56	0	28500	344,0	M286-M293



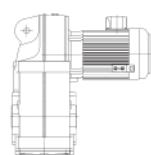
5. SP4

P 18,50 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
42,22	1,16	4.185	SP..66B35,5 - WUDA180ME-H-4G IE2	34,82	0	28600	344,0	M286-M293
39,98	1,56	4.419	SP..76C35,5 - WUDA180ME-H-4G IE2	36,77	0	48300	435,0	M294-M301
41,61	1,71	4.246	SP..76B35,5 - WUDA180ME-H-4G IE2	35,33	0	48100	435,0	M294-M301
38,56	0,96	4.581	SP..66C40 - WUDA180ME-H-4G IE2	38,12	0	28300	344,0	M286-M293
38,68	1,09	4.568	SP..66B40 - WUDA180ME-H-4G IE2	38,01	0	28300	344,0	M286-M293
37,29	1,49	4.737	SP..76C40 - WUDA180ME-H-4G IE2	39,42	0	48500	435,0	M294-M301
38,37	1,61	4.604	SP..76B40 - WUDA180ME-H-4G IE2	38,31	0	48400	435,0	M294-M301
34,39	0,91	5.137	SP..66C45 - WUDA180ME-H-4G IE2	42,75	0	27800	344,0	M286-M293
33,79	0,98	5.229	SP..66B45 - WUDA180ME-H-4G IE2	43,51	0	27700	344,0	M286-M293
33,26	1,37	5.312	SP..76C45 - WUDA180ME-H-4G IE2	44,20	0	48900	435,0	M294-M301
32,50	1,42	5.435	SP..76B45 - WUDA180ME-H-4G IE2	45,22	0	49000	435,0	M294-M301
33,43	2,84	5.284	SP..86C45 - WUDA180ME-H-4G IE2	43,97	0	60400	590,0	M302-M309
28,89	1,24	6.114	SP..76C50 - WUDA180ME-H-4G IE2	50,88	0	49100	435,0	M294-M301
29,45	1,33	5.999	SP..76B50 - WUDA180ME-H-4G IE2	49,92	0	49100	435,0	M294-M301
29,84	2,53	5.921	SP..86C50 - WUDA180ME-H-4G IE2	49,26	0	61500	590,0	M302-M309
25,49	1,14	6.932	SP..76C56 - WUDA180ME-H-4G IE2	57,68	0	49100	435,0	M294-M301
26,46	1,20	6.675	SP..76B56 - WUDA180ME-H-4G IE2	55,55	0	49100	435,0	M294-M301
26,43	2,24	6.684	SP..86C56 - WUDA180ME-H-4G IE2	55,62	0	62600	590,0	M302-M309
22,66	1,03	7.797	SP..76C63 - WUDA180ME-H-4G IE2	64,88	0	48900	435,0	M294-M301
23,49	1,99	7.522	SP..86C63 - WUDA180ME-H-4G IE2	62,59	0	63500	590,0	M302-M309
19,76	0,89	8.940	SP..76C71 - WUDA180ME-H-4G IE2	74,39	0	48200	435,0	M294-M301
20,36	1,73	8.676	SP..86C71 - WUDA180ME-H-4G IE2	72,20	0	64500	590,0	M302-M309
18,63	1,58	9.483	SP..86C80 - WUDA180ME-H-4G IE2	78,91	0	64900	590,0	M302-M309
17,18	1,46	10.283	SP..86C90 - WUDA180ME-H-4G IE2	85,57	0	65300	590,0	M302-M309
14,55	1,24	12.140	SP..86C100 - WUDA180ME-H-4G IE2	101,01	0	65600	590,0	M302-M309
13,18	1,12	13.399	SP..86C112 - WUDA180ME-H-4G IE2	111,49	0	65600	590,0	M302-M309
11,85	1,01	14.910	SP..86C125 - WUDA180ME-H-4G IE2	124,07	0	65300	590,0	M302-M309

P 22,00 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
485,07	1,04	433	SP..46B2,8 - WUDA180LJ-H-4G IE2	3,03	2300	10800	271,0	M270-M277
452,48	1,06	464	SP..46B3,15 - WUDA180LJ-H-4G IE2	3,25	2200	10900	271,0	M270-M277
460,38	1,97	456	SP..56B3,15 - WUDA180LJ-H-4G IE2	3,19	3600	15000	308,0	M278-M285
403,51	1,02	521	SP..46B3,55 - WUDA180LJ-H-4G IE2	3,64	2100	11100	271,0	M270-M277
417,41	1,88	503	SP..56B3,55 - WUDA180LJ-H-4G IE2	3,52	3500	15300	308,0	M278-M285
424,55	2,93	495	SP..66B3,55 - WUDA180LJ-H-4G IE2	3,46	0	20100	371,0	M286-M293
350,56	0,95	599	SP..46B4 - WUDA180LJ-H-4G IE2	4,19	1900	11300	271,0	M270-M277
362,49	1,78	580	SP..56B4 - WUDA180LJ-H-4G IE2	4,06	3500	15700	308,0	M278-M285
356,27	2,71	590	SP..66B4 - WUDA180LJ-H-4G IE2	4,13	0	20900	371,0	M286-M293
309,22	0,90	679	SP..46B4,5 - WUDA180LJ-H-4G IE2	4,75	1700	11400	271,0	M270-M277
320,88	1,67	655	SP..56B4,5 - WUDA180LJ-H-4G IE2	4,58	3400	16100	308,0	M278-M285
331,81	2,68	633	SP..66B4,5 - WUDA180LJ-H-4G IE2	4,43	0	21200	371,0	M286-M293
274,92	0,85	764	SP..46B5 - WUDA180LJ-H-4G IE2	5,35	1400	11500	271,0	M270-M277
290,69	1,61	723	SP..56B5 - WUDA180LJ-H-4G IE2	5,06	3300	16300	308,0	M278-M285
287,02	2,46	732	SP..66B5 - WUDA180LJ-H-4G IE2	5,12	0	21800	371,0	M286-M293
256,14	1,52	820	SP..56B5,6 - WUDA180LJ-H-4G IE2	5,74	3100	16700	308,0	M278-M285
256,61	2,32	819	SP..66B5,6 - WUDA180LJ-H-4G IE2	5,73	0	22300	371,0	M286-M293



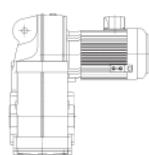
P 22,00 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
228,48	1,54	919	SP..56B6,3 - WUDA180LJ-H-4G IE2	6,43	3400	17400	308,0	M270-M277
231,49	2,48	908	SP..66B6,3 - WUDA180LJ-H-4G IE2	6,35	0	23100	371,0	M270-M277
207,15	1,48	1.014	SP..56B7,1 - WUDA180LJ-H-4G IE2	7,10	3200	17600	308,0	M278-M285
208,54	2,38	1.007	SP..66B7,1 - WUDA180LJ-H-4G IE2	7,05	0	23600	371,0	M270-M277
179,90	1,38	1.168	SP..56B8 - WUDA180LJ-H-4G IE2	8,17	3000	17900	308,0	M278-M285
175,00	2,21	1.200	SP..66B8 - WUDA180LJ-H-4G IE2	8,40	0	24300	371,0	M270-M277
159,25	1,29	1.319	SP..56B9 - WUDA180LJ-H-4G IE2	9,23	2700	18200	308,0	M278-M285
162,99	2,13	1.289	SP..66B9 - WUDA180LJ-H-4G IE2	9,02	0	24600	371,0	M270-M277
144,27	1,24	1.456	SP..56B10 - WUDA180LJ-H-4G IE2	10,19	2400	18400	308,0	M278-M285
140,99	1,98	1.490	SP..66B10 - WUDA180LJ-H-4G IE2	10,43	0	25200	371,0	M270-M277
127,12	1,13	1.653	SP..56B11,2 - WUDA180LJ-H-4G IE2	11,56	1900	18500	308,0	M278-M285
126,05	1,86	1.667	SP..66B11,2 - WUDA180LJ-H-4G IE2	11,66	0	25600	371,0	M286-M293
113,10	1,03	1.858	SP..56B12,5 - WUDA180LJ-H-4G IE2	13,00	1400	18600	308,0	M270-M277
116,74	1,81	1.800	SP..66B12,5 - WUDA180LJ-H-4G IE2	12,59	0	25800	371,0	M278-M285
101,75	0,96	2.065	SP..56B14 - WUDA180LJ-H-4G IE2	14,45	900	18600	308,0	M286-M293
103,67	1,68	2.026	SP..66B14 - WUDA180LJ-H-4G IE2	14,18	0	26200	371,0	M270-M277
103,09	2,72	2.038	SP..76B14 - WUDA180LJ-H-4G IE2	14,26	0	40500	462,0	M278-M285
89,39	0,87	2.350	SP..56B16 - WUDA180LJ-H-4G IE2	16,45	100	18600	308,0	M286-M293
91,55	1,57	2.295	SP..66B16 - WUDA180LJ-H-4G IE2	16,06	0	26400	371,0	M278-M285
93,43	2,56	2.249	SP..76B16 - WUDA180LJ-H-4G IE2	15,73	0	41300	462,0	M286-M293
83,96	1,50	2.502	SP..66B18 - WUDA180LJ-H-4G IE2	17,51	0	26600	371,0	M270-M277
83,14	2,33	2.527	SP..76B18 - WUDA180LJ-H-4G IE2	17,68	0	42100	462,0	M278-M285
73,22	1,38	2.869	SP..66B20 - WUDA180LJ-H-4G IE2	20,08	0	26700	371,0	M286-M293
74,67	2,17	2.813	SP..76B20 - WUDA180LJ-H-4G IE2	19,69	0	42800	462,0	M270-M277
63,19	1,26	3.324	SP..66B22,4 - WUDA180LJ-H-4G IE2	23,26	0	26700	371,0	M278-M285
66,65	2,00	3.152	SP..76B22,4 - WUDA180LJ-H-4G IE2	22,06	0	43500	462,0	M286-M293
56,88	1,19	3.694	SP..66B25 - WUDA180LJ-H-4G IE2	25,85	0	26600	371,0	M278-M285
59,04	1,84	3.559	SP..76B25 - WUDA180LJ-H-4G IE2	24,90	0	44100	462,0	M286-M293
53,24	1,14	3.946	SP..66B28 - WUDA180LJ-H-4G IE2	27,61	0	26500	371,0	M278-M285
52,46	1,70	4.005	SP..76B28 - WUDA180LJ-H-4G IE2	28,02	0	44700	462,0	M286-M293
47,89	1,06	4.386	SP..66B31,5 - WUDA180LJ-H-4G IE2	30,69	0	26200	371,0	M278-M285
45,48	1,53	4.619	SP..76B31,5 - WUDA180LJ-H-4G IE2	32,32	0	45200	462,0	M286-M293
42,22	0,97	4.976	SP..66B35,5 - WUDA180LJ-H-4G IE2	34,82	0	25600	371,0	M278-M285
39,98	1,31	5.255	SP..76C35,5 - WUDA180LJ-H-4G IE2	36,77	0	45500	462,0	M286-M293
41,61	1,44	5.049	SP..76B35,5 - WUDA180LJ-H-4G IE2	35,33	0	45400	462,0	M278-M285
41,83	2,99	5.022	SP..86C35,5 - WUDA180LJ-H-4G IE2	35,14	0	56300	617,0	M286-M293
38,68	0,92	5.432	SP..66B40 - WUDA180LJ-H-4G IE2	38,01	0	25100	371,0	M278-M285
37,29	1,25	5.633	SP..76C40 - WUDA180LJ-H-4G IE2	39,42	0	45600	462,0	M286-M293
38,37	1,35	5.475	SP..76B40 - WUDA180LJ-H-4G IE2	38,31	0	45600	462,0	M294-M301
37,22	2,66	5.644	SP..86C40 - WUDA180LJ-H-4G IE2	39,49	0	57400	617,0	M278-M285
33,26	1,16	6.317	SP..76C45 - WUDA180LJ-H-4G IE2	44,20	0	45600	462,0	M286-M293
32,50	1,19	6.463	SP..76B45 - WUDA180LJ-H-4G IE2	45,22	0	45600	462,0	M294-M301
33,43	2,39	6.284	SP..86C45 - WUDA180LJ-H-4G IE2	43,97	0	58200	617,0	M286-M293
28,89	1,05	7.271	SP..76C50 - WUDA180LJ-H-4G IE2	50,88	0	45300	462,0	M294-M301
29,45	1,12	7.134	SP..76B50 - WUDA180LJ-H-4G IE2	49,92	0	45400	462,0	M286-M293
29,84	2,13	7.041	SP..86C50 - WUDA180LJ-H-4G IE2	49,26	0	59000	617,0	M294-M301
25,49	0,96	8.243	SP..76C56 - WUDA180LJ-H-4G IE2	57,68	0	44800	462,0	M286-M293
26,46	1,01	7.938	SP..76B56 - WUDA180LJ-H-4G IE2	55,55	0	45000	462,0	M294-M301
26,43	1,89	7.949	SP..86C56 - WUDA180LJ-H-4G IE2	55,62	0	59800	617,0	M286-M293
22,66	0,86	9.272	SP..76C63 - WUDA180LJ-H-4G IE2	64,88	0	44000	462,0	M294-M301
23,49	1,68	8.945	SP..86C63 - WUDA180LJ-H-4G IE2	62,59	0	60400	617,0	M286-M293



5. SP4

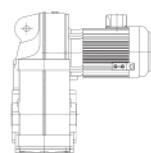
P 22,00 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
20,36	1,45	10.318	SP..86C71 - WUDA180LJ-H-4G IE2	72,20	0	60800	617,0	M302-M309
18,63	1,33	11.277	SP..86C80 - WUDA180LJ-H-4G IE2	78,91	0	60900	617,0	M302-M309
17,18	1,23	12.229	SP..86C90 - WUDA180LJ-H-4G IE2	85,57	0	60900	617,0	M302-M309
14,55	1,04	14.436	SP..86C100 - WUDA180LJ-H-4G IE2	101,01	0	60500	617,0	M302-M309
13,18	0,94	15.934	SP..86C112 - WUDA180LJ-H-4G IE2	111,49	0	60000	617,0	M302-M309

P 30,00 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
460,38	1,48	610	SP..56B3,15U - 200-L1-4 IE2	3,19		14270	311,0	M278-M285
471,28	2,27	596	SP..66B3,15U - 200-L1-4 IE2	3,12		18900	372,0	M286-M293
417,41	1,40	673	SP..56B3,55U - 200-L1-4 IE2	3,52		14480	311,0	M278-M285
424,55	2,19	661	SP..66B3,55U - 200-L1-4 IE2	3,46		19310	372,0	M286-M293
362,49	1,33	775	SP..56B4U - 200-L1-4 IE2	4,06		14780	311,0	M278-M285
356,27	2,03	788	SP..66B4U - 200-L1-4 IE2	4,13		19960	372,0	M286-M293
368,81	2,96	761	SP..76B4U - 200-L1-4 IE2	3,99		29360	463,0	M294-M301
320,88	1,25	875	SP..56B4,5U - 200-L1-4 IE2	4,58		15010	311,0	M278-M285
331,81	2,01	846	SP..66B4,5U - 200-L1-4 IE2	4,43		20210	372,0	M286-M293
325,02	2,78	864	SP..76B4,5U - 200-L1-4 IE2	4,52		30210	463,0	M294-M301
290,69	1,20	966	SP..56B5U - 200-L1-4 IE2	5,06		15180	311,0	M278-M285
287,02	1,84	978	SP..66B5U - 200-L1-4 IE2	5,12		20700	372,0	M286-M293
298,30	2,66	941	SP..76B5U - 200-L1-4 IE2	4,93		30800	463,0	M294-M301
256,14	1,14	1.096	SP..56B5,6U - 200-L1-4 IE2	5,74		15340	311,0	M278-M285
256,61	1,74	1.094	SP..66B5,6U - 200-L1-4 IE2	5,73		21050	372,0	M286-M293
261,46	2,42	1.074	SP..76B5,6U - 200-L1-4 IE2	5,62		31690	463,0	M294-M301
228,48	1,16	1.229	SP..56B6,3U - 200-L1-4 IE2	6,43		16050	311,0	M278-M285
231,49	1,86	1.213	SP..66B6,3U - 200-L1-4 IE2	6,35		21870	372,0	M286-M293
207,15	1,11	1.355	SP..56B7,1U - 200-L1-4 IE2	7,10		16160	311,0	M278-M285
208,54	1,78	1.346	SP..66B7,1U - 200-L1-4 IE2	7,05		22210	372,0	M286-M293
179,90	1,03	1.561	SP..56B8U - 200-L1-4 IE2	8,17		16280	311,0	M278-M285
175,00	1,65	1.604	SP..66B8U - 200-L1-4 IE2	8,40		22700	372,0	M286-M293
183,34	2,94	1.531	SP..76B8U - 200-L1-4 IE2	8,02		34600	463,0	M294-M301
159,25	0,96	1.763	SP..56B9U - 200-L1-4 IE2	9,23		16300	311,0	M278-M285
162,99	1,60	1.723	SP..66B9U - 200-L1-4 IE2	9,02		22880	372,0	M286-M293
161,57	2,73	1.738	SP..76B9U - 200-L1-4 IE2	9,10		35460	463,0	M294-M301
144,27	0,92	1.946	SP..56B10U - 200-L1-4 IE2	10,19		16260	311,0	M278-M285
140,99	1,48	1.991	SP..66B10U - 200-L1-4 IE2	10,43		23170	372,0	M286-M293
148,29	2,64	1.893	SP..76B10U - 200-L1-4 IE2	9,91		36000	463,0	M294-M301
151,47	3,00	1.853	SP..86C10U - 200-L1-4 IE2	9,70		41170	618,0	M302-M309
126,05	1,39	2.227	SP..66B11,2U - 200-L1-4 IE2	11,66		23330	372,0	M286-M293
129,97	2,38	2.160	SP..76B11,2U - 200-L1-4 IE2	11,31		36810	463,0	M294-M301
116,74	1,35	2.405	SP..66B12,5U - 200-L1-4 IE2	12,59		23390	372,0	M286-M293
118,72	2,26	2.365	SP..76B12,5U - 200-L1-4 IE2	12,38		37340	463,0	M294-M301
103,67	1,26	2.708	SP..66B14U - 200-L1-4 IE2	14,18		23430	372,0	M286-M293
103,09	2,04	2.723	SP..76B14U - 200-L1-4 IE2	14,26		38110	463,0	M294-M301
91,55	1,17	3.066	SP..66B16U - 200-L1-4 IE2	16,06		23340	372,0	M286-M293
93,43	1,91	3.005	SP..76B16U - 200-L1-4 IE2	15,73		38590	463,0	M294-M301
83,96	1,12	3.344	SP..66B18U - 200-L1-4 IE2	17,51		23200	372,0	M286-M293



P 30,00 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
83,14	1,75	3.377	SP..76B18U - 200-L1-4 IE2	17,68		39070	463,0	M294-M301
73,22	1,03	3.834	SP..66B20U - 200-L1-4 IE2	20,08		22850	372,0	M286-M293
74,67	1,62	3.760	SP..76B20U - 200-L1-4 IE2	19,69		39430	463,0	M294-M301
63,19	0,95	4.443	SP..66B22,4U - 200-L1-4 IE2	23,26		22230	372,0	M286-M293
66,65	1,50	4.212	SP..76B22,4U - 200-L1-4 IE2	22,06		39740	463,0	M294-M301
56,88	0,89	4.936	SP..66B25U - 200-L1-4 IE2	25,85		21620	372,0	M286-M293
59,04	1,38	4.756	SP..76B25U - 200-L1-4 IE2	24,90		39910	463,0	M294-M301
53,24	0,85	5.273	SP..66B28U - 200-L1-4 IE2	27,61		21130	372,0	M286-M293
52,46	1,27	5.352	SP..76B28U - 200-L1-4 IE2	28,02		39950	463,0	M294-M301
53,15	2,84	5.282	SP..86C28U - 200-L1-4 IE2	27,66		50830	618,0	M302-M309
45,48	1,14	6.173	SP..76B31,5U - 200-L1-4 IE2	32,32		39720	463,0	M294-M301
46,15	2,47	6.083	SP..86C31,5U - 200-L1-4 IE2	31,85		51720	618,0	M302-M309
39,98	0,98	7.022	SP..76C35,5U - 200-L1-4 IE2	36,77		39260	463,0	M294-M301
41,61	1,07	6.747	SP..76B35,5U - 200-L1-4 IE2	35,33		39440	463,0	M294-M301
41,83	2,23	6.712	SP..86C35,5U - 200-L1-4 IE2	35,14		52260	618,0	M302-M309
37,29	0,94	7.528	SP..76C40U - 200-L1-4 IE2	39,42		38920	463,0	M294-M301
38,37	1,01	7.316	SP..76B40U - 200-L1-4 IE2	38,31		39050	463,0	M294-M301
37,22	1,99	7.542	SP..86C40U - 200-L1-4 IE2	39,49		52780	618,0	M302-M309
33,26	0,86	8.442	SP..76C45U - 200-L1-4 IE2	44,20		38080	463,0	M294-M301
32,50	0,89	8.637	SP..76B45U - 200-L1-4 IE2	45,22		37890	463,0	M294-M301
33,43	1,79	8.398	SP..86C45U - 200-L1-4 IE2	43,97		53140	618,0	M302-M309
29,84	1,59	9.409	SP..86C50U - 200-L1-4 IE2	49,26		53320	618,0	M302-M309
26,43	1,41	10.622	SP..86C56U - 200-L1-4 IE2	55,62		53330	618,0	M302-M309
23,49	1,25	11.954	SP..86C63U - 200-L1-4 IE2	62,59		53100	618,0	M302-M309
20,36	1,09	13.788	SP..86C71U - 200-L1-4 IE2	72,20		52460	618,0	M302-M309
18,63	1,00	15.071	SP..86C80U - 200-L1-4 IE2	78,91		51820	618,0	M302-M309
17,18	0,92	16.342	SP..86C90U - 200-L1-4 IE2	85,57		51020	618,0	M302-M309

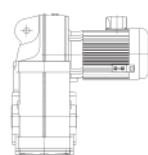
P 37,00 kW n ₁ 1475 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
472,88	1,84	732	SP..66B3,15U - 225-S-4 IE2	3,12		18300	506,0	M286-M293
474,41	2,67	730	SP..76B3,15U - 225-S-4 IE2	3,11		27120	597,0	M294-M301
426,00	1,78	813	SP..66B3,55U - 225-S-4 IE2	3,46		18630	506,0	M286-M293
419,16	2,54	826	SP..76B3,55U - 225-S-4 IE2	3,52		27910	597,0	M294-M301
357,48	1,65	969	SP..66B4U - 225-S-4 IE2	4,13		19150	506,0	M286-M293
370,06	2,40	936	SP..76B4U - 225-S-4 IE2	3,99		28660	597,0	M294-M301
332,94	1,63	1.040	SP..66B4,5U - 225-S-4 IE2	4,43		19330	506,0	M286-M293
326,12	2,26	1.062	SP..76B4,5U - 225-S-4 IE2	4,52		29440	597,0	M294-M301
288,00	1,50	1.202	SP..66B5U - 225-S-4 IE2	5,12		19690	506,0	M286-M293
299,32	2,16	1.157	SP..76B5U - 225-S-4 IE2	4,93		29960	597,0	M294-M301
257,48	1,41	1.345	SP..66B5,6U - 225-S-4 IE2	5,73		19930	506,0	M286-M293
262,35	1,97	1.320	SP..76B5,6U - 225-S-4 IE2	5,62		30720	597,0	M294-M301
232,28	1,51	1.491	SP..66B6,3U - 225-S-4 IE2	6,35		20790	506,0	M286-M293
235,84	2,66	1.468	SP..76B6,3U - 225-S-4 IE2	6,25		31920	597,0	M294-M301
209,25	1,45	1.655	SP..66B7,1U - 225-S-4 IE2	7,05		21020	506,0	M286-M293
208,37	2,53	1.662	SP..76B7,1U - 225-S-4 IE2	7,08		32660	597,0	M294-M301
175,60	1,34	1.972	SP..66B8U - 225-S-4 IE2	8,40		21290	506,0	M286-M293
183,96	2,39	1.882	SP..76B8U - 225-S-4 IE2	8,02		33390	597,0	M294-M301



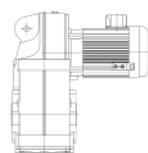
5. SP4

P 37,00 kW n₁ 1475 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
194,85	2,44	1.777	SP..86C8U - 225-S-4 IE2	7,57		38020	752,0	M302-M309
163,54	1,30	2.117	SP..66B9U - 225-S-4 IE2	9,02		21350	506,0	M286-M293
162,12	2,22	2.136	SP..76B9U - 225-S-4 IE2	9,10		34090	597,0	M294-M301
172,16	2,44	2.011	SP..86C9U - 225-S-4 IE2	8,57		39040	752,0	M302-M309
141,47	1,21	2.448	SP..66B10U - 225-S-4 IE2	10,43		21400	506,0	M286-M293
148,80	2,15	2.327	SP..76B10U - 225-S-4 IE2	9,91		34510	597,0	M294-M301
151,99	2,44	2.278	SP..86C10U - 225-S-4 IE2	9,70		40030	752,0	M302-M309
126,48	1,13	2.738	SP..66B11,2U - 225-S-4 IE2	11,66		21360	506,0	M286-M293
130,42	1,94	2.655	SP..76B11,2U - 225-S-4 IE2	11,31		35130	597,0	M294-M301
133,94	2,44	2.585	SP..86C11,2U - 225-S-4 IE2	11,01		41030	752,0	M302-M309
117,14	1,10	2.956	SP..66B12,5U - 225-S-4 IE2	12,59		21260	506,0	M286-M293
119,12	1,84	2.907	SP..76B12,5U - 225-S-4 IE2	12,38		35500	597,0	M294-M301
122,93	2,44	2.817	SP..86C12,5U - 225-S-4 IE2	12,00		41670	752,0	M302-M309
104,02	1,02	3.329	SP..66B14U - 225-S-4 IE2	14,18		21030	506,0	M286-M293
103,44	1,66	3.347	SP..76B14U - 225-S-4 IE2	14,26		35990	597,0	M294-M301
91,87	0,96	3.769	SP..66B16U - 225-S-4 IE2	16,06		20630	506,0	M286-M293
93,75	1,56	3.693	SP..76B16U - 225-S-4 IE2	15,73		36230	597,0	M294-M301
84,24	0,91	4.110	SP..66B18U - 225-S-4 IE2	17,51		20260	506,0	M286-M293
83,43	1,42	4.150	SP..76B18U - 225-S-4 IE2	17,68		36450	597,0	M294-M301
74,93	1,32	4.621	SP..76B20U - 225-S-4 IE2	19,69		36520	597,0	M294-M301
72,58	2,89	4.771	SP..86C20U - 225-S-4 IE2	20,32		46390	752,0	M302-M309
66,88	1,22	5.178	SP..76B22,4U - 225-S-4 IE2	22,06		36450	597,0	M294-M301
66,62	2,77	5.198	SP..86C22,4U - 225-S-4 IE2	22,14		46910	752,0	M302-M309
59,24	1,12	5.845	SP..76B25U - 225-S-4 IE2	24,90		36210	597,0	M294-M301
58,39	2,53	5.930	SP..86C25U - 225-S-4 IE2	25,26		47610	752,0	M302-M309
52,64	1,03	6.578	SP..76B28U - 225-S-4 IE2	28,02		35780	597,0	M294-M301
53,33	2,31	6.493	SP..86C28U - 225-S-4 IE2	27,66		48020	752,0	M302-M309
45,63	0,93	7.588	SP..76B31,5U - 225-S-4 IE2	32,32		34960	597,0	M294-M301
46,31	2,01	7.477	SP..86C31,5U - 225-S-4 IE2	31,85		48500	752,0	M302-M309
41,75	0,87	8.293	SP..76B35,5U - 225-S-4 IE2	35,33		34200	597,0	M294-M301
41,97	1,82	8.250	SP..86C35,5U - 225-S-4 IE2	35,14		48690	752,0	M302-M309
37,35	1,62	9.271	SP..86C40U - 225-S-4 IE2	39,49		48770	752,0	M302-M309
33,54	1,45	10.322	SP..86C45U - 225-S-4 IE2	43,97		48680	752,0	M302-M309
29,94	1,30	11.565	SP..86C50U - 225-S-4 IE2	49,26		48340	752,0	M302-M309
26,52	1,15	13.056	SP..86C56U - 225-S-4 IE2	55,62		47740	752,0	M302-M309
23,57	1,02	14.693	SP..86C63U - 225-S-4 IE2	62,59		46810	752,0	M302-M309

P 45,00 kW n₁ 1480 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
474,48	1,52	888	SP..66B3,15U - 225-M-4 IE2	3,12		17610	528,0	M286-M293
476,02	2,20	885	SP..76B3,15U - 225-M-4 IE2	3,11		26540	619,0	M294-M301
427,44	1,47	985	SP..66B3,55U - 225-M-4 IE2	3,46		17870	528,0	M286-M293
420,59	2,10	1.001	SP..76B3,55U - 225-M-4 IE2	3,52		27230	619,0	M294-M301
358,69	1,36	1.174	SP..66B4U - 225-M-4 IE2	4,13		18240	528,0	M286-M293
371,31	1,98	1.134	SP..76B4U - 225-M-4 IE2	3,99		27920	619,0	M294-M301
334,07	1,35	1.261	SP..66B4,5U - 225-M-4 IE2	4,43		18370	528,0	M286-M293
327,23	1,86	1.287	SP..76B4,5U - 225-M-4 IE2	4,52		28590	619,0	M294-M301

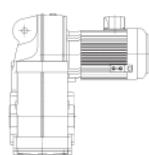


P 45,00 kW n ₁ 1480 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
288,98	1,24	1.457	SP..66B5U - 225-M-4 IE2	5,12		18570	528,0	M286-M293
300,33	1,78	1.402	SP..76B5U - 225-M-4 IE2	4,93		29020	619,0	M294-M301
258,36	1,17	1.630	SP..66B5,6U - 225-M-4 IE2	5,73		18670	528,0	M286-M293
263,23	1,63	1.600	SP..76B5,6U - 225-M-4 IE2	5,62		29670	619,0	M294-M301
233,07	1,25	1.807	SP..66B6,3U - 225-M-4 IE2	6,35		19570	528,0	M286-M293
236,64	2,19	1.780	SP..76B6,3U - 225-M-4 IE2	6,25		30860	619,0	M294-M301
209,96	1,20	2.006	SP..66B7,1U - 225-M-4 IE2	7,05		19660	528,0	M286-M293
209,08	2,09	2.014	SP..76B7,1U - 225-M-4 IE2	7,08		31460	619,0	M294-M301
176,19	1,11	2.390	SP..66B8U - 225-M-4 IE2	8,40		19660	528,0	M286-M293
184,59	1,97	2.281	SP..76B8U - 225-M-4 IE2	8,02		32040	619,0	M294-M301
195,51	2,01	2.154	SP..86C8U - 225-M-4 IE2	7,57		37050	774,0	M302-M309
164,09	1,07	2.566	SP..66B9U - 225-M-4 IE2	9,02		19610	528,0	M286-M293
162,67	1,83	2.589	SP..76B9U - 225-M-4 IE2	9,10		32540	619,0	M294-M301
172,74	2,01	2.438	SP..86C9U - 225-M-4 IE2	8,57		37930	774,0	M302-M309
141,95	0,99	2.967	SP..66B10U - 225-M-4 IE2	10,43		19400	528,0	M286-M293
149,30	1,77	2.821	SP..76B10U - 225-M-4 IE2	9,91		32840	619,0	M294-M301
152,50	2,01	2.761	SP..86C10U - 225-M-4 IE2	9,70		38780	774,0	M302-M309
126,90	0,93	3.318	SP..66B11,2U - 225-M-4 IE2	11,66		19110	528,0	M286-M293
130,86	1,60	3.218	SP..76B11,2U - 225-M-4 IE2	11,31		33210	619,0	M294-M301
134,40	2,01	3.133	SP..86C11,2U - 225-M-4 IE2	11,01		39600	774,0	M302-M309
117,54	0,91	3.583	SP..66B12,5U - 225-M-4 IE2	12,59		18840	528,0	M286-M293
119,53	1,52	3.523	SP..76B12,5U - 225-M-4 IE2	12,38		33390	619,0	M294-M301
123,35	2,01	3.414	SP..86C12,5U - 225-M-4 IE2	12,00		40110	774,0	M302-M309
103,79	1,37	4.057	SP..76B14U - 225-M-4 IE2	14,26		33560	619,0	M294-M301
105,94	2,94	3.975	SP..86C14U - 225-M-4 IE2	13,97		42070	774,0	M302-M309
94,07	1,28	4.477	SP..76B16U - 225-M-4 IE2	15,73		33560	619,0	M294-M301
93,61	2,76	4.499	SP..86C16U - 225-M-4 IE2	15,81		42820	774,0	M302-M309
91,49	3,00	4.603	SP..86B16U - 225-M-4 IE2	16,18		42940	774,0	M302-M309
83,71	1,17	5.031	SP..76B18U - 225-M-4 IE2	17,68		33440	619,0	M294-M301
82,64	2,57	5.096	SP..86C18U - 225-M-4 IE2	17,91		43470	774,0	M302-M309
80,02	2,68	5.263	SP..86B18U - 225-M-4 IE2	18,50		43640	774,0	M302-M309
75,18	1,09	5.601	SP..76B20U - 225-M-4 IE2	19,69		33170	619,0	M294-M301
72,83	2,39	5.782	SP..86C20U - 225-M-4 IE2	20,32		44050	774,0	M302-M309
74,56	2,55	5.648	SP..86B20U - 225-M-4 IE2	19,85		43950	774,0	M302-M309
67,10	1,00	6.276	SP..76B22,4U - 225-M-4 IE2	22,06		32710	619,0	M294-M301
66,84	2,29	6.300	SP..86C22,4U - 225-M-4 IE2	22,14		44350	774,0	M302-M309
59,44	0,92	7.085	SP..76B25U - 225-M-4 IE2	24,90		32010	619,0	M294-M301
58,59	2,09	7.188	SP..86C25U - 225-M-4 IE2	25,26		44700	774,0	M302-M309
52,82	0,85	7.973	SP..76B28U - 225-M-4 IE2	28,02		31030	619,0	M294-M301
53,51	1,91	7.870	SP..86C28U - 225-M-4 IE2	27,66		44830	774,0	M302-M309
46,47	1,66	9.062	SP..86C31,5U - 225-M-4 IE2	31,85		44810	774,0	M302-M309
42,11	1,50	10.000	SP..86C35,5U - 225-M-4 IE2	35,14		44640	774,0	M302-M309
37,48	1,33	11.237	SP..86C40U - 225-M-4 IE2	39,49		44230	774,0	M302-M309
33,66	1,20	12.512	SP..86C45U - 225-M-4 IE2	43,97		43610	774,0	M302-M309
30,04	1,07	14.018	SP..86C50U - 225-M-4 IE2	49,26		42680	774,0	M302-M309
26,61	0,95	15.826	SP..86C56U - 225-M-4 IE2	55,62		41300	774,0	M302-M309

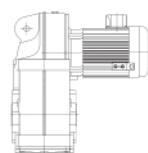


5. SP4

P 55,00 kW n₁ 1480 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
474,48	1,24	1.085	SP..66B3,15U - 250-M-4 IE2	3,12		16750	701,0	M286-M293
476,02	1,80	1.081	SP..76B3,15U - 250-M-4 IE2	3,11		25800	792,0	M294-M301
427,44	1,20	1.204	SP..66B3,55U - 250-M-4 IE2	3,46		16910	701,0	M286-M293
420,59	1,72	1.224	SP..76B3,55U - 250-M-4 IE2	3,52		26400	792,0	M294-M301
358,69	1,12	1.435	SP..66B4U - 250-M-4 IE2	4,13		17110	701,0	M286-M293
371,31	1,62	1.386	SP..76B4U - 250-M-4 IE2	3,99		26970	792,0	M294-M301
334,07	1,10	1.541	SP..66B4,5U - 250-M-4 IE2	4,43		17150	701,0	M286-M293
327,23	1,53	1.573	SP..76B4,5U - 250-M-4 IE2	4,52		27510	792,0	M294-M301
288,98	1,01	1.781	SP..66B5U - 250-M-4 IE2	5,12		17170	701,0	M286-M293
300,33	1,46	1.714	SP..76B5U - 250-M-4 IE2	4,93		27850	792,0	M294-M301
258,36	0,95	1.992	SP..66B5,6U - 250-M-4 IE2	5,73		17090	701,0	M286-M293
263,23	1,33	1.955	SP..76B5,6U - 250-M-4 IE2	5,62		28330	792,0	M294-M301
233,07	1,02	2.208	SP..66B6,3U - 250-M-4 IE2	6,35		18040	701,0	M286-M293
236,64	1,79	2.175	SP..76B6,3U - 250-M-4 IE2	6,25		29530	792,0	M294-M301
209,96	0,98	2.451	SP..66B7,1U - 250-M-4 IE2	7,05		17960	701,0	M286-M293
209,08	1,71	2.462	SP..76B7,1U - 250-M-4 IE2	7,08		29980	792,0	M294-M301
176,19	0,91	2.921	SP..66B8U - 250-M-4 IE2	8,40		17640	701,0	M286-M293
184,59	1,61	2.788	SP..76B8U - 250-M-4 IE2	8,02		30330	792,0	M294-M301
195,51	1,65	2.633	SP..86C8U - 250-M-4 IE2	7,57		35810	947,0	M302-M309
164,09	0,88	3.137	SP..66B9U - 250-M-4 IE2	9,02		17450	701,0	M286-M293
162,67	1,50	3.164	SP..76B9U - 250-M-4 IE2	9,10		30610	792,0	M294-M301
172,74	1,65	2.980	SP..86C9U - 250-M-4 IE2	8,57		36530	947,0	M302-M309
149,30	1,45	3.447	SP..76B10U - 250-M-4 IE2	9,91		30740	792,0	M294-M301
152,50	1,65	3.375	SP..86C10U - 250-M-4 IE2	9,70		37200	947,0	M302-M309
130,86	1,31	3.933	SP..76B11,2U - 250-M-4 IE2	11,31		30810	792,0	M294-M301
134,40	1,65	3.830	SP..86C11,2U - 250-M-4 IE2	11,01		37810	947,0	M302-M309
119,53	1,24	4.306	SP..76B12,5U - 250-M-4 IE2	12,38		30760	792,0	M294-M301
123,35	1,65	4.173	SP..86C12,5U - 250-M-4 IE2	12,00		38170	947,0	M302-M309
103,79	1,12	4.959	SP..76B14U - 250-M-4 IE2	14,26		30530	792,0	M294-M301
105,94	2,41	4.858	SP..86C14U - 250-M-4 IE2	13,97		40060	947,0	M302-M309
103,78	2,72	4.960	SP..86B14U - 250-M-4 IE2	14,26		40160	947,0	M302-M309
94,07	1,05	5.472	SP..76B16U - 250-M-4 IE2	15,73		30240	792,0	M294-M301
93,61	2,26	5.499	SP..86C16U - 250-M-4 IE2	15,81		40550	947,0	M302-M309
83,71	0,96	6.149	SP..76B18U - 250-M-4 IE2	17,68		29710	792,0	M294-M301
82,64	2,10	6.228	SP..86C18U - 250-M-4 IE2	17,91		40900	947,0	M302-M309
75,18	0,89	6.846	SP..76B20U - 250-M-4 IE2	19,69		29000	792,0	M294-M301
72,83	1,95	7.067	SP..86C20U - 250-M-4 IE2	20,32		41100	947,0	M302-M309
66,84	1,87	7.700	SP..86C22,4U - 250-M-4 IE2	22,14		41160	947,0	M302-M309
58,59	1,71	8.786	SP..86C25U - 250-M-4 IE2	25,26		41040	947,0	M302-M309
53,51	1,56	9.619	SP..86C28U - 250-M-4 IE2	27,66		40850	947,0	M302-M309
46,47	1,35	11.076	SP..86C31,5U - 250-M-4 IE2	31,85		40230	947,0	M302-M309
42,11	1,23	12.222	SP..86C35,5U - 250-M-4 IE2	35,14		39580	947,0	M302-M309
37,48	1,09	13.734	SP..86C40U - 250-M-4 IE2	39,49		38510	947,0	M302-M309



P 75,00 kW n₁ 1485 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
477,62	1,33	1.470	SP..76B3,15U - 280-S-4 IE2	3,11		24300	903,0	M294-M301
422,01	1,26	1.663	SP..76B3,55U - 280-S-4 IE2	3,52		24710	903,0	M294-M301
372,57	1,19	1.884	SP..76B4U - 280-S-4 IE2	3,99		25070	903,0	M294-M301
328,33	1,12	2.138	SP..76B4,5U - 280-S-4 IE2	4,52		25360	903,0	M294-M301
301,34	1,07	2.329	SP..76B5U - 280-S-4 IE2	4,93		25510	903,0	M294-M301
264,12	0,98	2.657	SP..76B5,6U - 280-S-4 IE2	5,62		25660	903,0	M294-M301
271,37	2,98	2.586	SP..86B5,6U - 280-S-4 IE2	5,47		31940	1.058,0	M302-M309
237,44	1,32	2.956	SP..76B6,3U - 280-S-4 IE2	6,25		26880	903,0	M294-M301
242,94	2,77	2.889	SP..86B6,3U - 280-S-4 IE2	6,11		32480	1.058,0	M302-M309
209,79	1,26	3.346	SP..76B7,1U - 280-S-4 IE2	7,08		26960	903,0	M294-M301
185,21	1,19	3.790	SP..76B8U - 280-S-4 IE2	8,02		26940	903,0	M294-M301
196,17	1,21	3.578	SP..86C8U - 280-S-4 IE2	7,57		33350	1.058,0	M302-M309
181,88	2,98	3.859	SP..86B8U - 280-S-4 IE2	8,16		34700	1.058,0	M302-M309
163,22	1,10	4.300	SP..76B9U - 280-S-4 IE2	9,10		26760	903,0	M294-M301
173,32	1,21	4.049	SP..86C9U - 280-S-4 IE2	8,57		33760	1.058,0	M302-M309
163,74	2,78	4.286	SP..86B9U - 280-S-4 IE2	9,07		35110	1.058,0	M302-M309
149,80	1,07	4.685	SP..76B10U - 280-S-4 IE2	9,91		26540	903,0	M294-M301
153,02	1,21	4.587	SP..86C10U - 280-S-4 IE2	9,70		34060	1.058,0	M302-M309
147,05	2,58	4.773	SP..86B10U - 280-S-4 IE2	10,10		35470	1.058,0	M302-M309
131,30	0,96	5.346	SP..76B11,2U - 280-S-4 IE2	11,31		26040	903,0	M294-M301
134,85	1,21	5.205	SP..86C11,2U - 280-S-4 IE2	11,01		34240	1.058,0	M302-M309
131,64	2,38	5.332	SP..86B11,2U - 280-S-4 IE2	11,28		35760	1.058,0	M302-M309
119,93	0,91	5.852	SP..76B12,5U - 280-S-4 IE2	12,38		25560	903,0	M294-M301
123,77	1,21	5.671	SP..86C12,5U - 280-S-4 IE2	12,00		34290	1.058,0	M302-M309
117,38	2,21	5.980	SP..86B12,5U - 280-S-4 IE2	12,65		35960	1.058,0	M302-M309
106,30	1,77	6.603	SP..86C14U - 280-S-4 IE2	13,97		36040	1.058,0	M302-M309
104,13	2,00	6.740	SP..86B14U - 280-S-4 IE2	14,26		36030	1.058,0	M302-M309
93,92	1,66	7.473	SP..86C16U - 280-S-4 IE2	15,81		35970	1.058,0	M302-M309
82,92	1,55	8.465	SP..86C18U - 280-S-4 IE2	17,91		35730	1.058,0	M302-M309
73,07	1,44	9.605	SP..86C20U - 280-S-4 IE2	20,32		35270	1.058,0	M302-M309
67,07	1,38	10.465	SP..86C22,4U - 280-S-4 IE2	22,14		34790	1.058,0	M302-M309
58,78	1,26	11.940	SP..86C25U - 280-S-4 IE2	25,26		33790	1.058,0	M302-M309
53,69	1,15	13.072	SP..86C28U - 280-S-4 IE2	27,66		32880	1.058,0	M302-M309
46,63	1,00	15.053	SP..86C31,5U - 280-S-4 IE2	31,85		31070	1.058,0	M302-M309
42,26	0,90	16.610	SP..86C35,5U - 280-S-4 IE2	35,14		29490	1.058,0	M302-M309

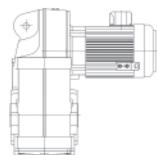
5. SP4


P 90,00 kW	n ₁ 1485 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
		335,65	2,83	2.509	SP..86B4,5U - 280-M-4 IE2	4,42		29770	1.093,0	M302-M309
		302,17	2,65	2.787	SP..86B5U - 280-M-4 IE2	4,91		30210	1.093,0	M302-M309
		271,37	2,48	3.104	SP..86B5,6U - 280-M-4 IE2	5,47		30620	1.093,0	M302-M309
		242,94	2,31	3.467	SP..86B6,3U - 280-M-4 IE2	6,11		30990	1.093,0	M302-M309
		201,68	2,66	4.176	SP..86B7,1U - 280-M-4 IE2	7,36		32640	1.093,0	M302-M309
		196,17	1,01	4.294	SP..86C8U - 280-M-4 IE2	7,57		31520	1.093,0	M302-M309
		181,88	2,48	4.631	SP..86B8U - 280-M-4 IE2	8,16		32930	1.093,0	M302-M309
		173,32	1,01	4.859	SP..86C9U - 280-M-4 IE2	8,57		31680	1.093,0	M302-M309
		163,74	2,31	5.144	SP..86B9U - 280-M-4 IE2	9,07		33150	1.093,0	M302-M309
		153,02	1,01	5.504	SP..86C10U - 280-M-4 IE2	9,70		31710	1.093,0	M302-M309
		147,05	2,15	5.728	SP..86B10U - 280-M-4 IE2	10,10		33280	1.093,0	M302-M309
		134,85	1,01	6.246	SP..86C11,2U - 280-M-4 IE2	11,01		31570	1.093,0	M302-M309
		131,64	1,99	6.398	SP..86B11,2U - 280-M-4 IE2	11,28		33330	1.093,0	M302-M309
		123,77	1,01	6.805	SP..86C12,5U - 280-M-4 IE2	12,00		31380	1.093,0	M302-M309
		117,38	1,84	7.175	SP..86B12,5U - 280-M-4 IE2	12,65		33220	1.093,0	M302-M309
		106,30	1,48	7.923	SP..86C14U - 280-M-4 IE2	13,97		33010	1.093,0	M302-M309
		104,13	1,67	8.088	SP..86B14U - 280-M-4 IE2	14,26		32960	1.093,0	M302-M309
		93,92	1,38	8.967	SP..86C16U - 280-M-4 IE2	15,81		32570	1.093,0	M302-M309
		82,92	1,29	10.157	SP..86C18U - 280-M-4 IE2	17,91		31870	1.093,0	M302-M309
		73,07	1,20	11.526	SP..86C20U - 280-M-4 IE2	20,32		30890	1.093,0	M302-M309
		67,07	1,15	12.558	SP..86C22,4U - 280-M-4 IE2	22,14		30010	1.093,0	M302-M309
		58,78	1,05	14.328	SP..86C25U - 280-M-4 IE2	25,26		28340	1.093,0	M302-M309
		53,69	0,96	15.686	SP..86C28U - 280-M-4 IE2	27,66		26930	1.093,0	M302-M309

Notizen / Notice / Notes:



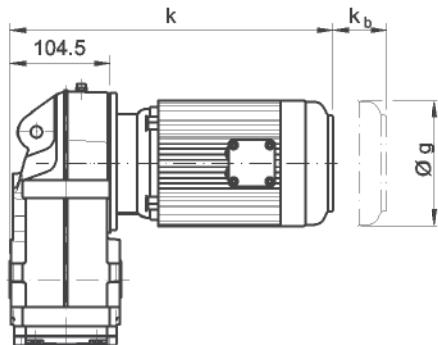
5. SP4



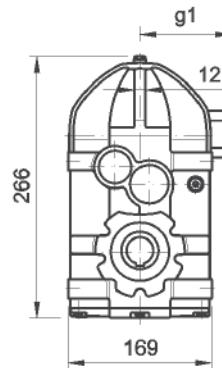
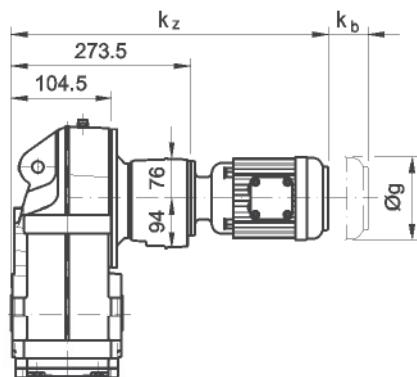
5.5 Maßbilder Getriebemotoren

Dimensional drawings of geared motors

Schémas dimensionnels des motoréducteurs

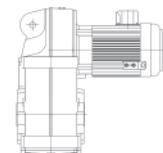
SPZ..16B
63 - 112

SPZ..16..

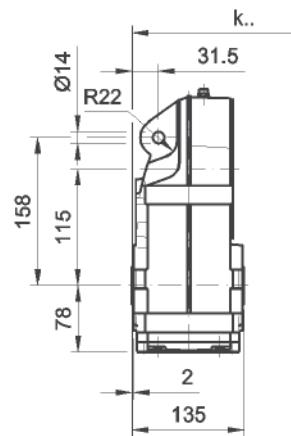
SPZ..16B16B/C
63 - 112

	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	359	407	468	468	474													
ku																		
kz	528	576	637	637	643													
kc																		
kb	56	89	101	101	90													
øg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		

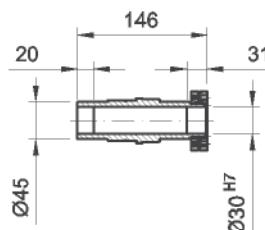
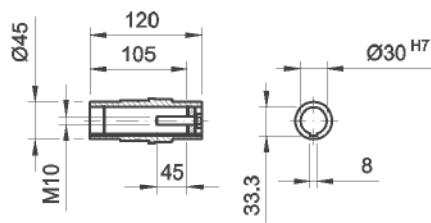
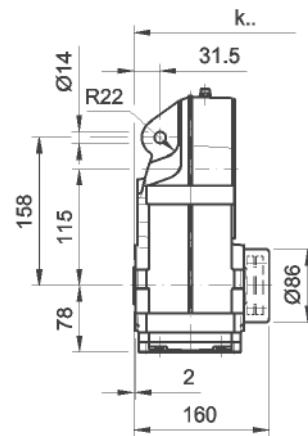
5. SP4



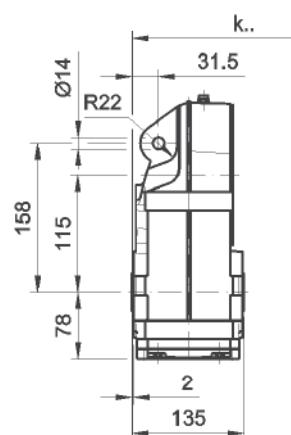
SPZH16..



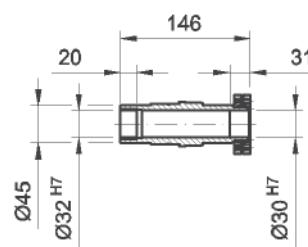
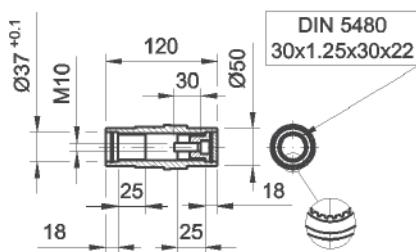
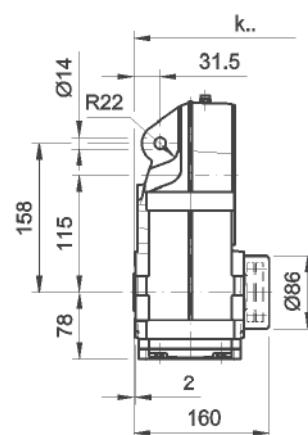
SPZS16..



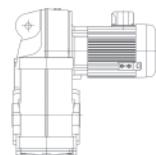
SPZT16..



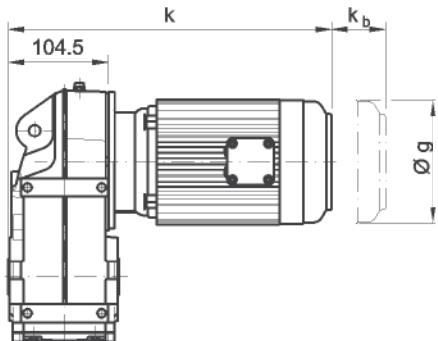
SPZC16..



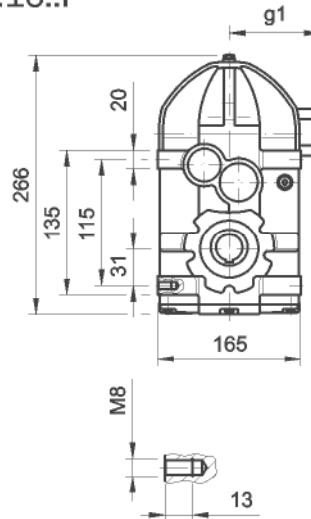
5. SP4



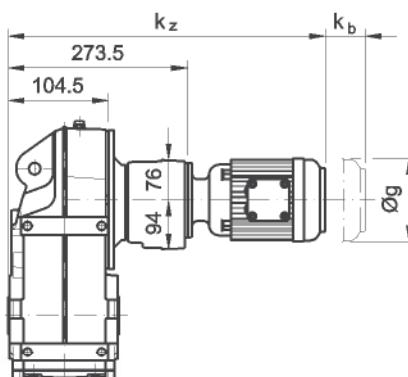
SPZ..16BF
63 - 112



SPZ..16..F

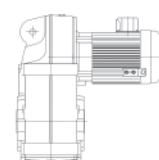


SPZ..16B16B/CF
63 - 112

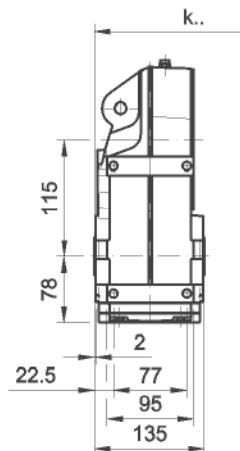


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	359	407	468	468	474													
ku																		
kz	528	576	637	637	643													
kc																		
kb	56	89	101	101	90													
øg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		

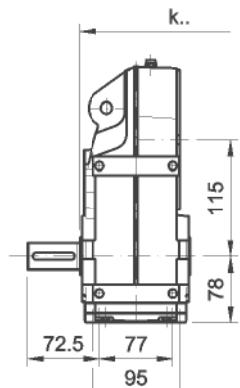
5. SP4



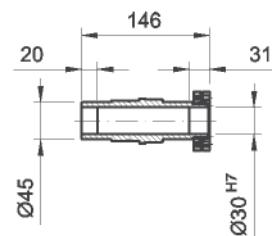
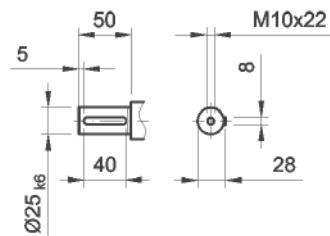
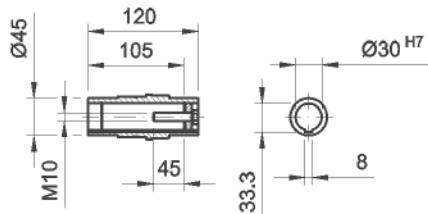
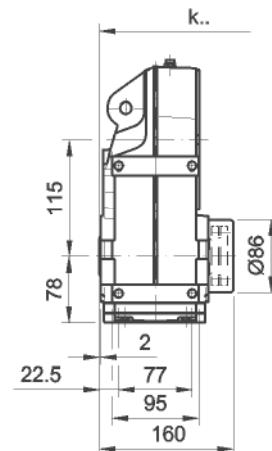
SPZH16..F..



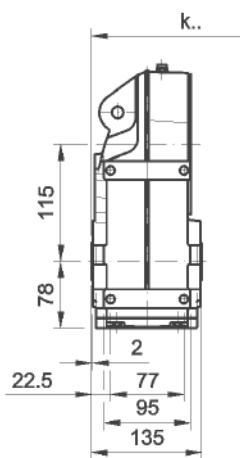
SPZN16..F..



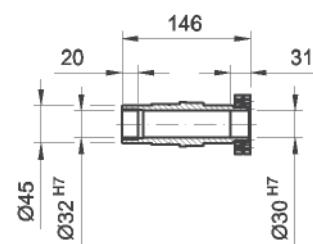
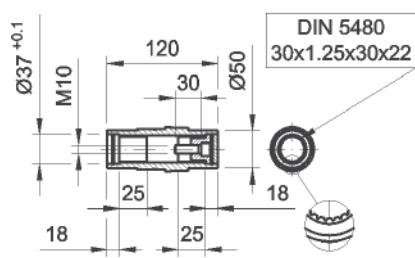
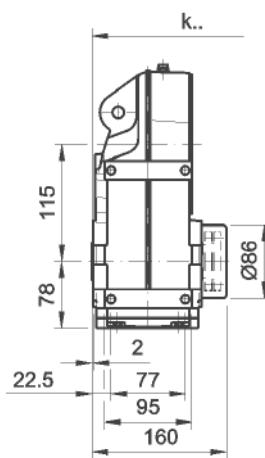
SPZS16..F..



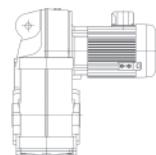
SPZT16..F..



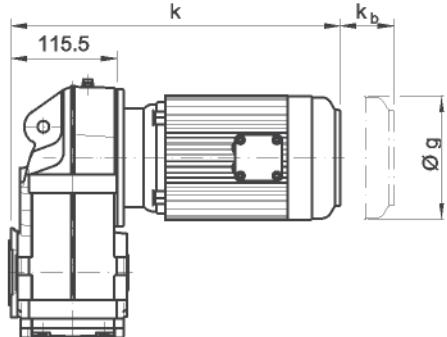
SPZC16..F..



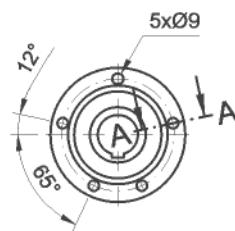
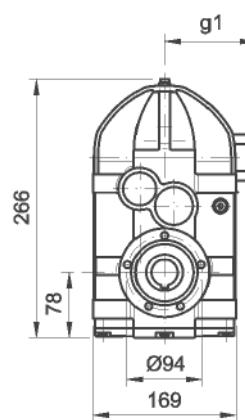
5. SP4



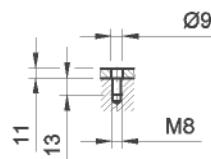
SPT..16B
63 - 112



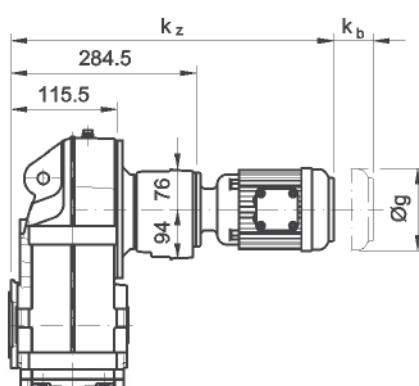
SPT..16..



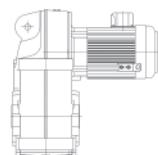
A - A



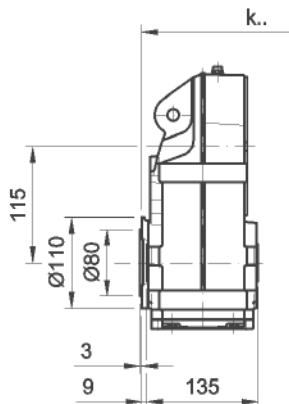
SPT..16B16B/C
63 - 112



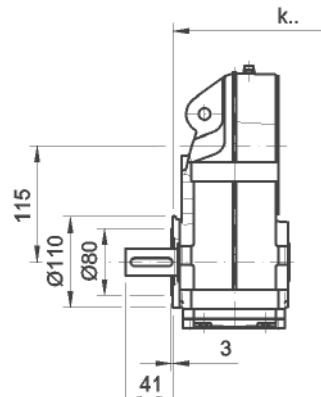
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	370	418	479	479	485													
ku																		
kz	539	587	648	648	654													
kc																		
kb	56	89	101	101	90													
øg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		



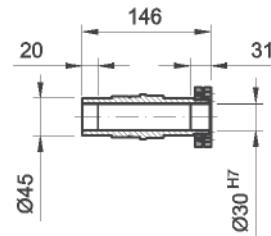
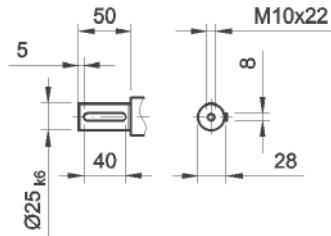
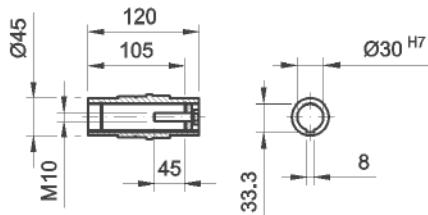
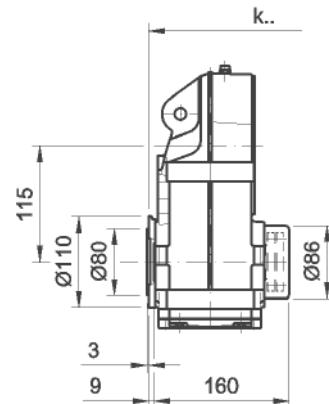
SPTH16..



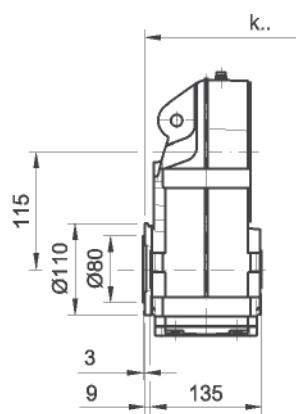
SPTN16..



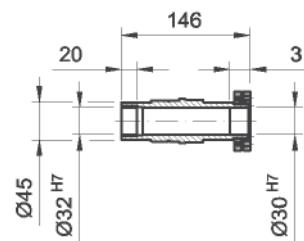
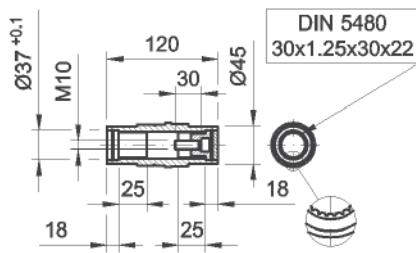
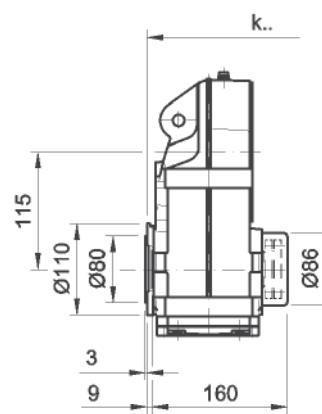
SPTS16..



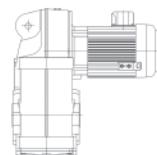
SPTT16..



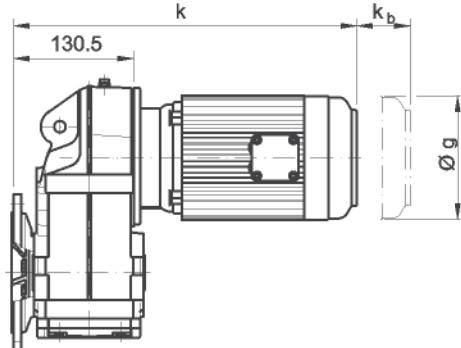
SPTC16..



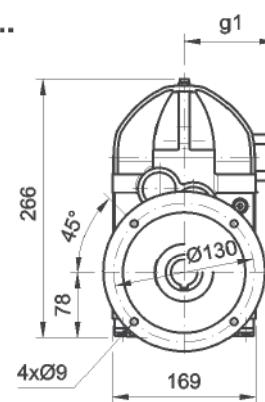
5. SP4



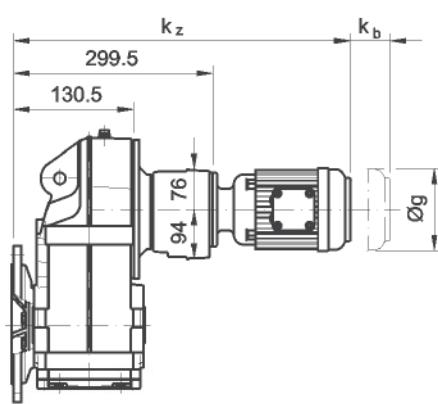
SPF..16B
63 - 112



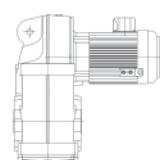
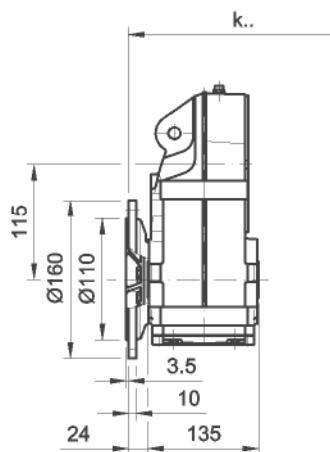
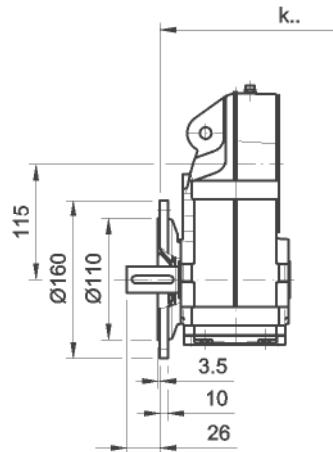
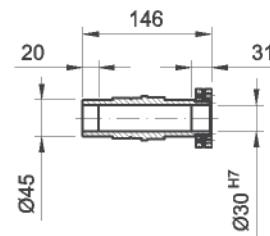
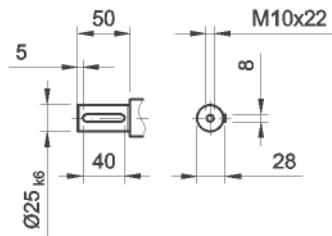
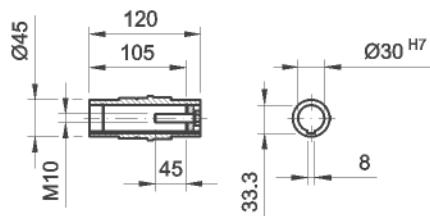
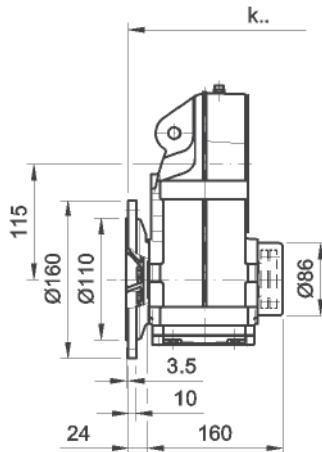
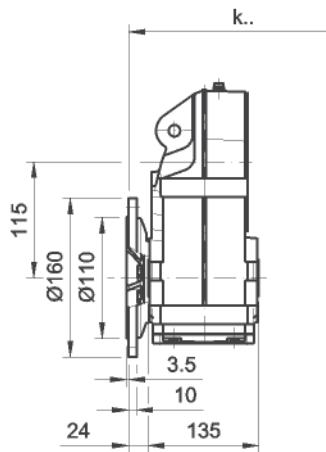
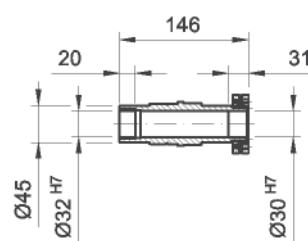
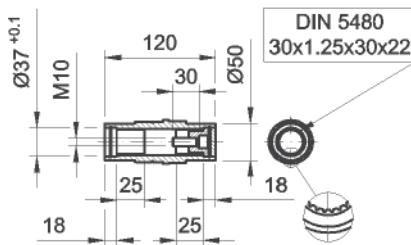
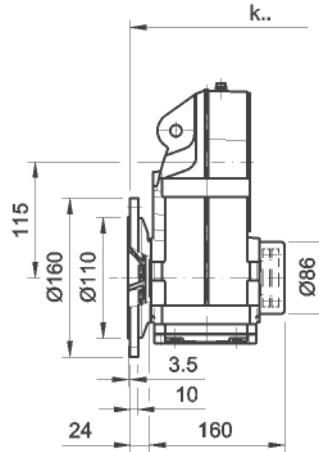
SPF..16..



SPF..16B16B/C
63 - 112

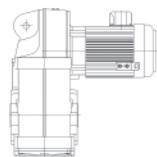
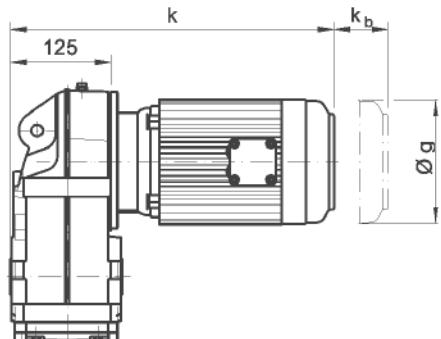


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	385	433	494	494	500													
ku																		
kz	554	602	663	663	669													
kc																		
kb	56	89	101	101	90													
dg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		

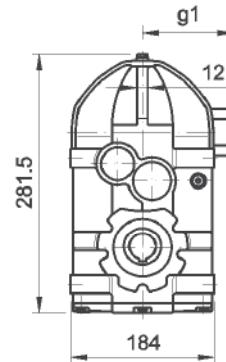
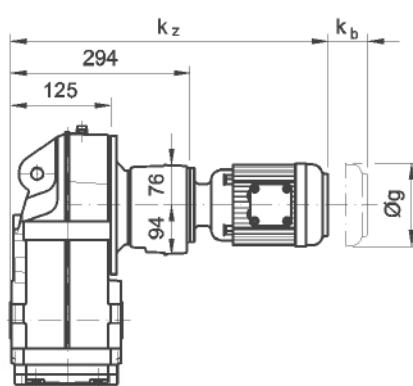
**SPFH16..****SPFN16..****SPFS16..****SPFT16..****SPFC16..**



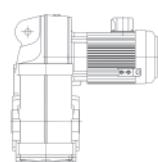
5. SP4

SPZ..26B
63 - 112

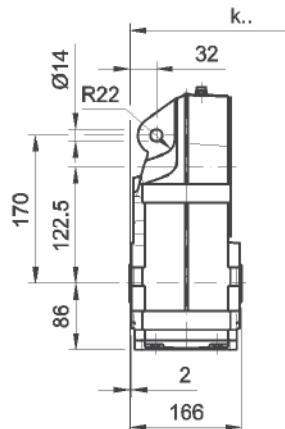
SPZ..26..

SPZ..26B16B/C
63 - 112

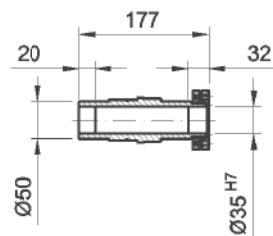
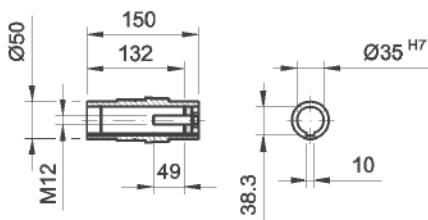
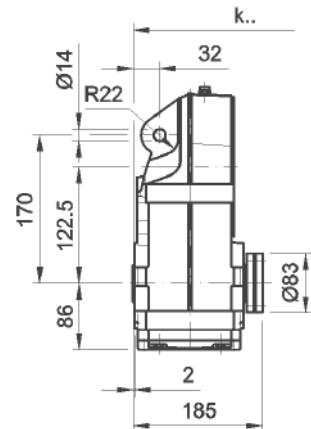
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	379	427	488	488	494													
ku																		
kz	548	596	657	657	663													
kc																		
kb	56	89	101	101	90													
øg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		



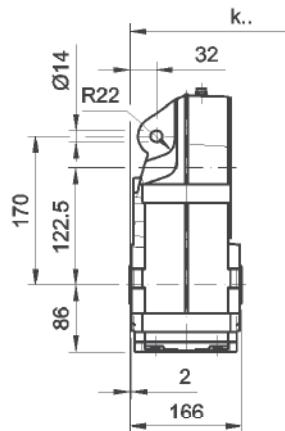
SPZH26..



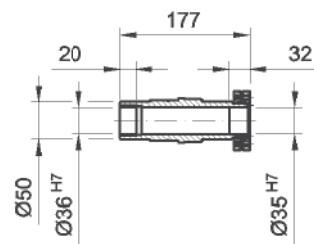
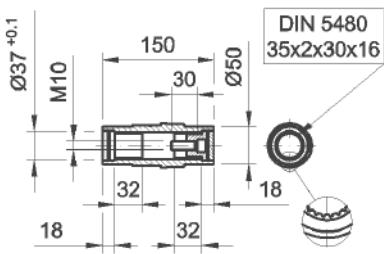
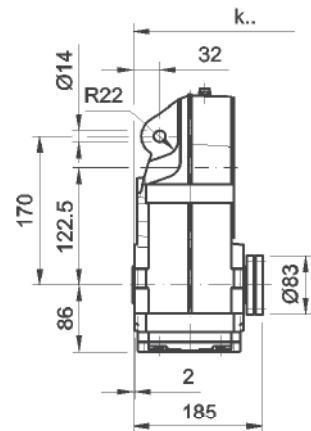
SPZS26..



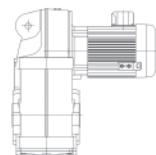
SPZT26..



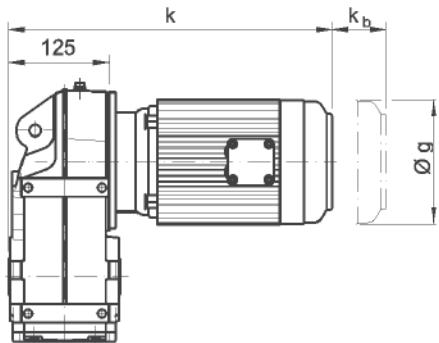
SPZC26..



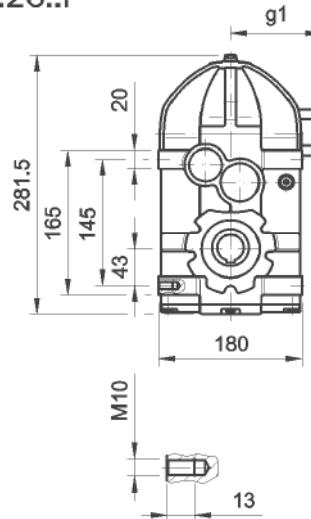
5. SP4



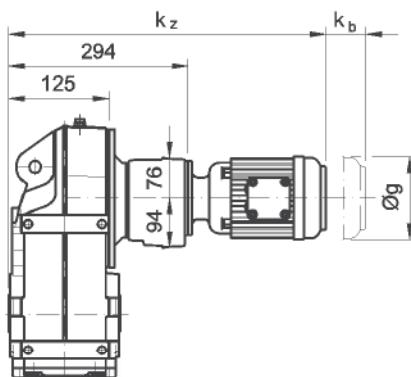
SPZ..26BF
63 - 112



SPZ..26..F

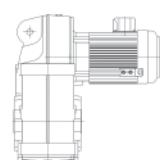


SPZ..26B16B/CF
63 - 112

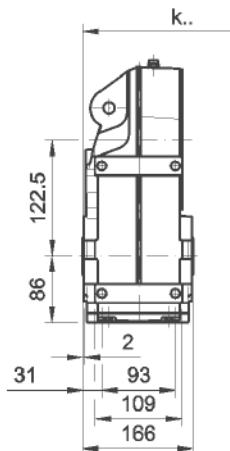


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	379	427	488	488	494													
ku																		
kz	548	596	657	657	663													
kc																		
kb	56	89	101	101	90													
dg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		

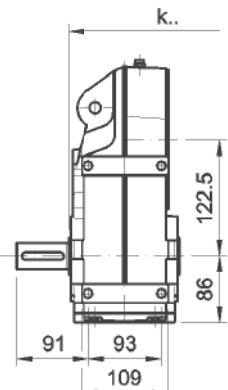
5. SP4



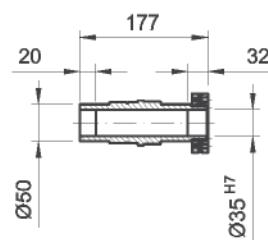
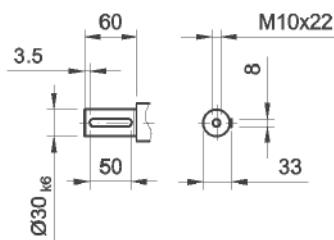
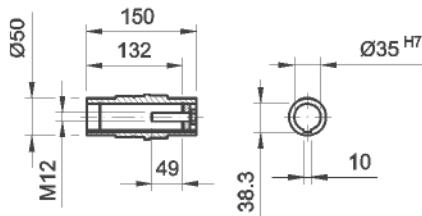
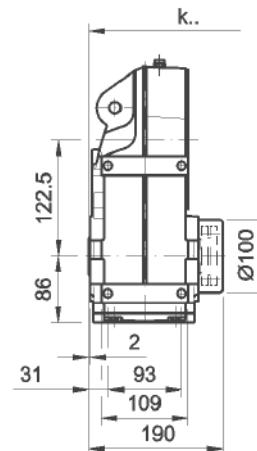
SPZH26..F..



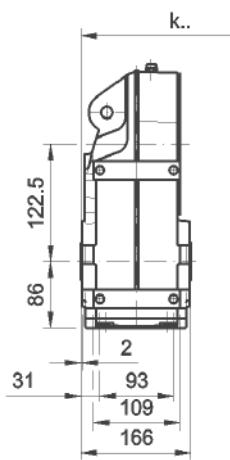
SPZN26..F..



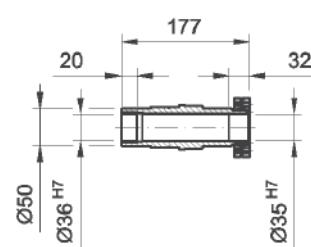
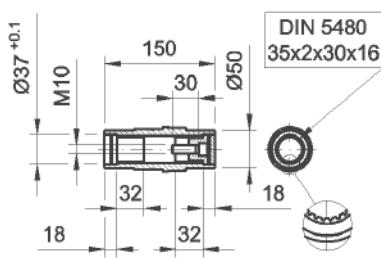
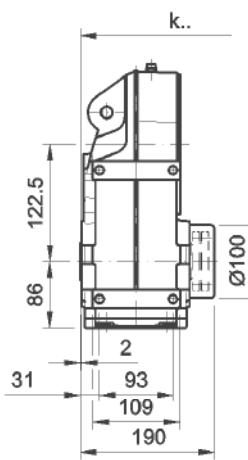
SPZS26..F..



SPZT26..F..

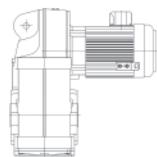
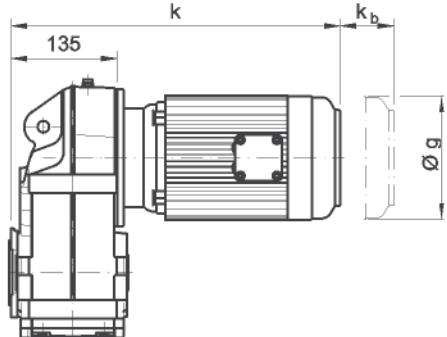


SPZC26..F..

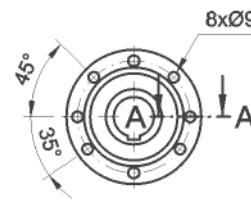
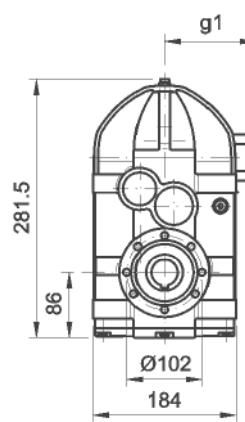




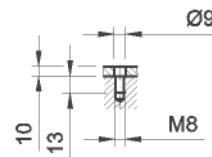
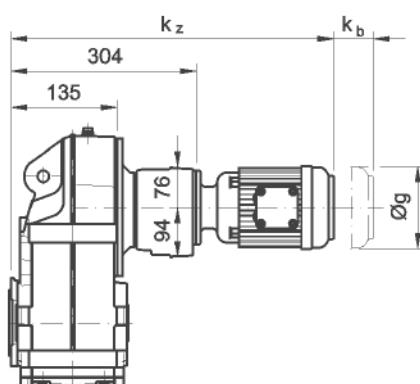
5. SP4

SPT..26B
63 - 112

SPT..26..



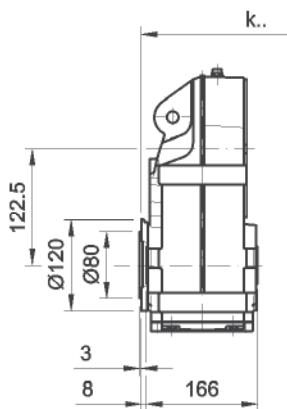
A - A

SPT..26B16B/C
63 - 112

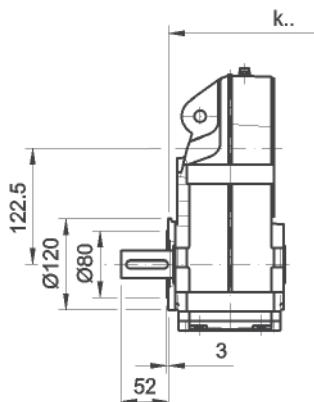
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	389	437	498	498	504													
ku																		
kz	558	606	667	667	673													
kc																		
kb	56	89	101	101	90													
dg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		

5. SP4

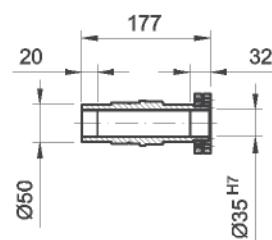
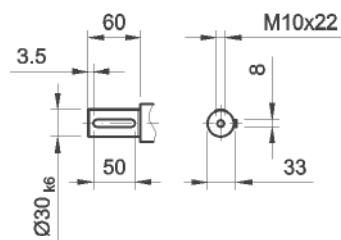
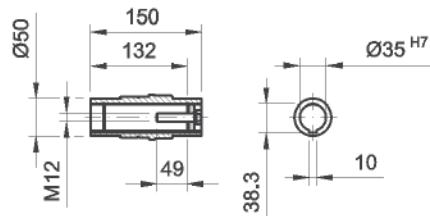
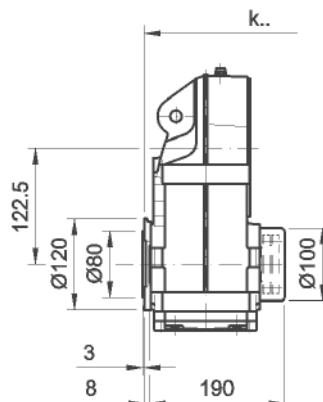
SPTH26..



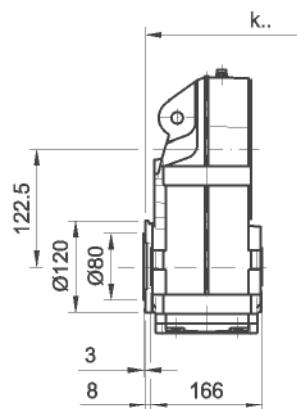
SPTN26..



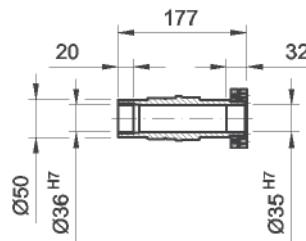
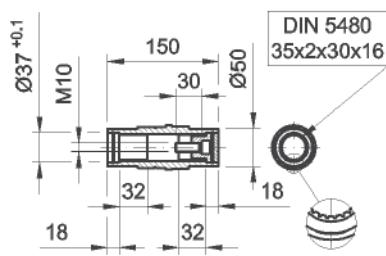
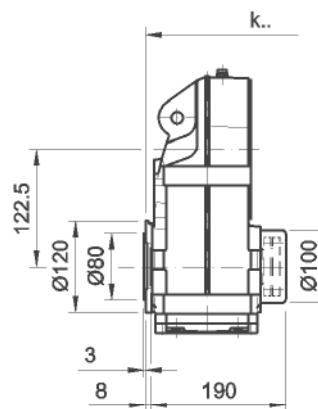
SPTS26..



SPTT26..

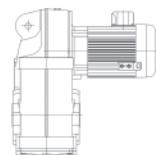
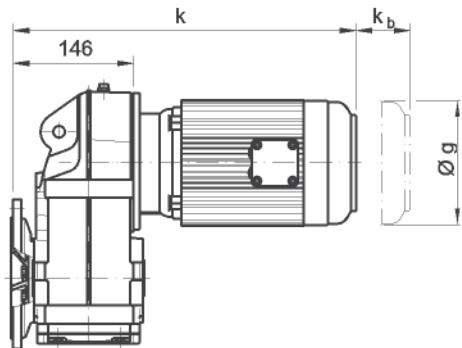


SPTC26..

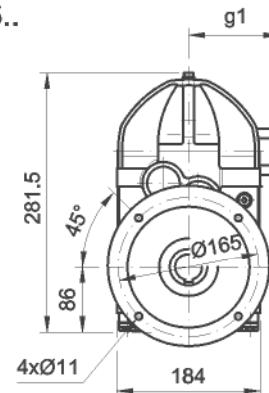
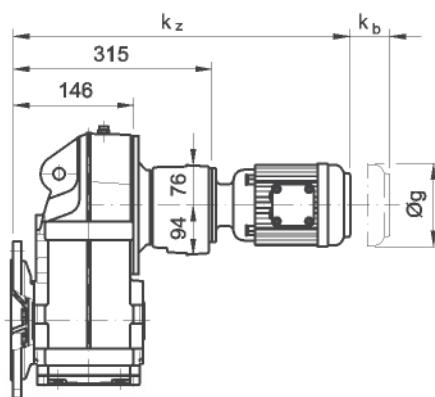




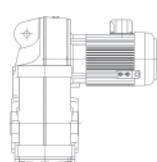
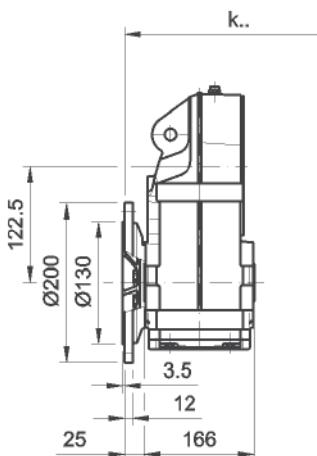
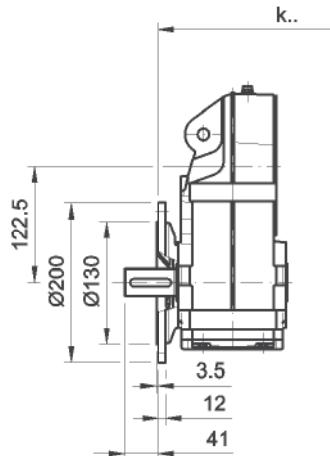
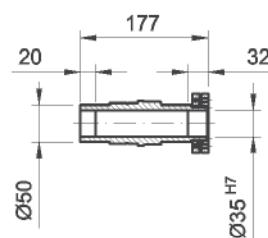
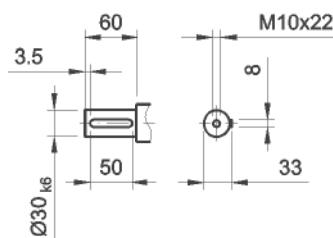
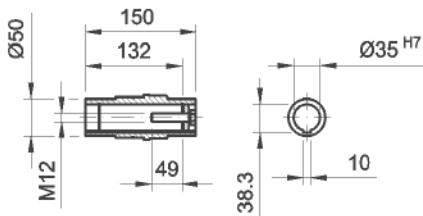
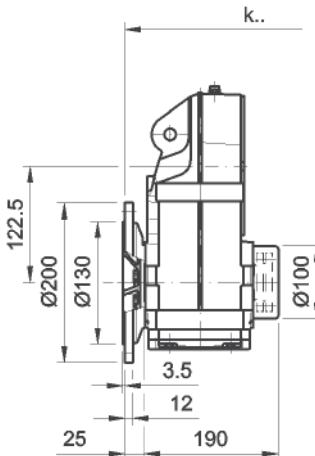
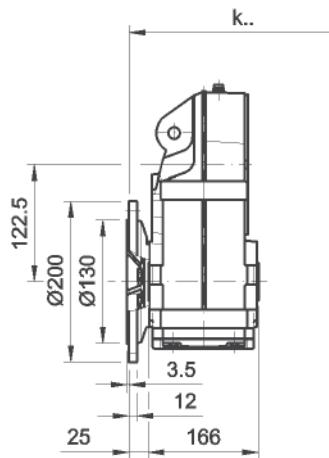
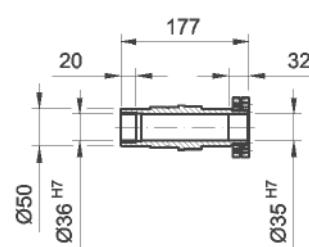
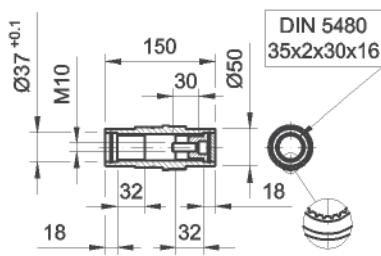
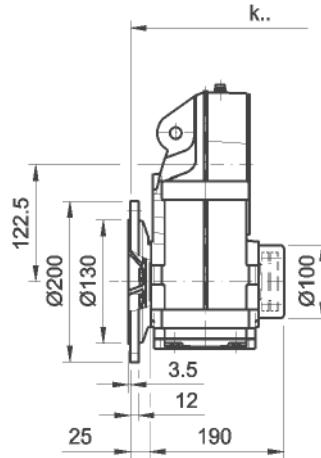
5. SP4

SPF..26B
63 - 112

SPF..26..

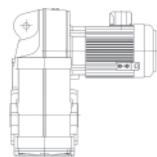
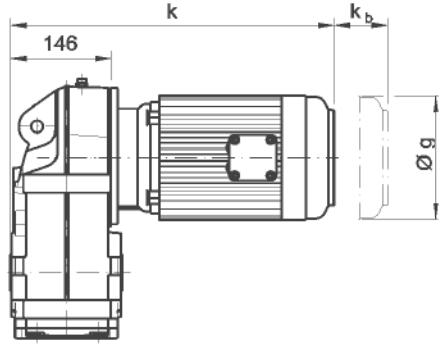
SPF..26B16B/C
63 - 112

	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	400	448	509	509	515													
ku																		
kz	569	617	678	678	684													
kc																		
kb	56	89	101	101	90													
øg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		

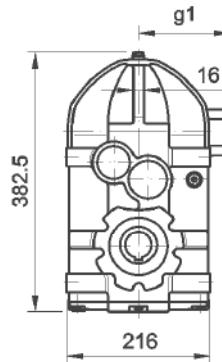
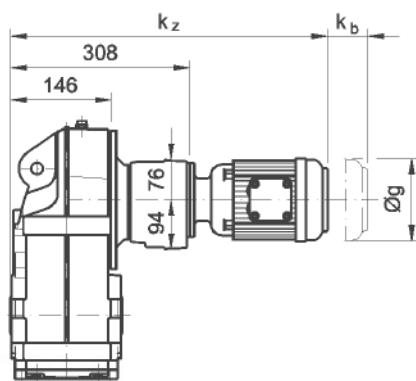
**SPFH26..****SPFN26..****SPFS26..****SPFT26..****SPFC26..**



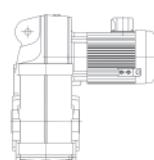
5. SP4

SPZ..36B
63 - 160

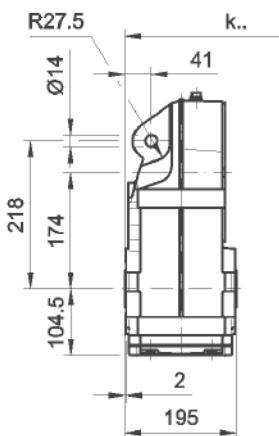
SPZ..36..

SPZ..36B16B/C
63 - 112

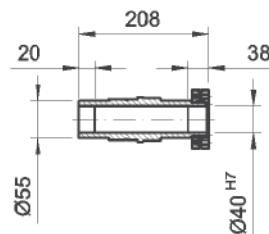
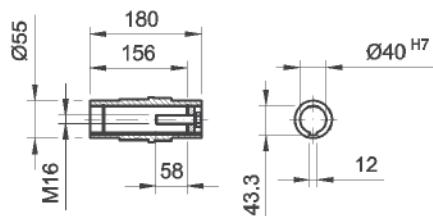
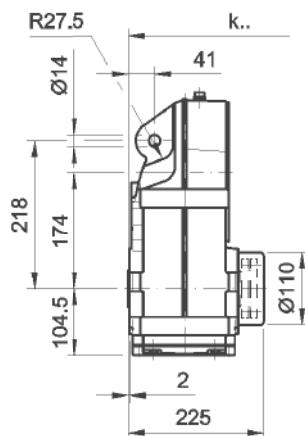
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		439	500	500	506	533	619	619										
ku																		
kz	562	610	671	671	677													
kc																		
kb	56	89	101	101	90	89	109	109										
øg		156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		



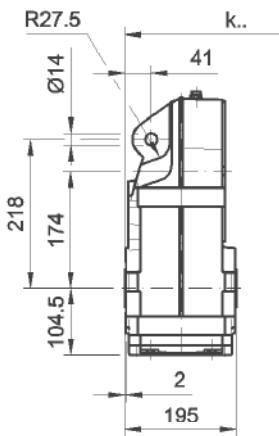
SPZH36..



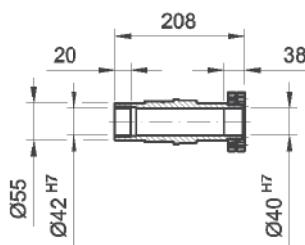
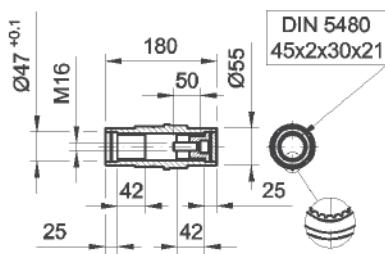
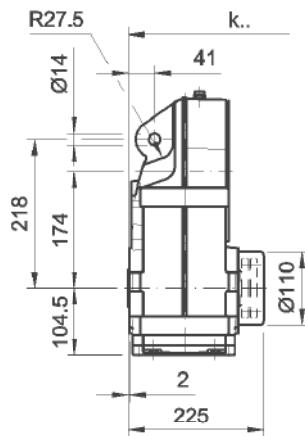
SPZS36..



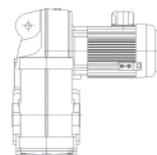
SPZT36..



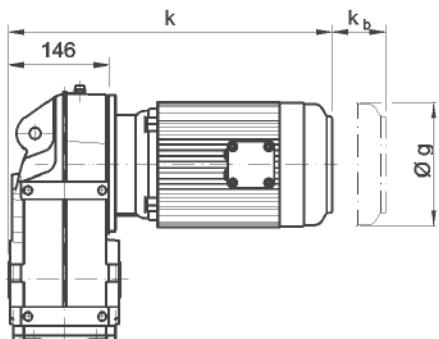
SPZC36..



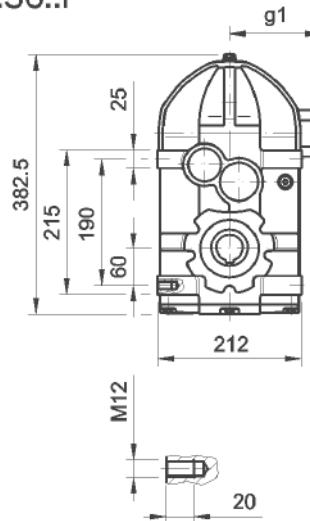
5. SP4



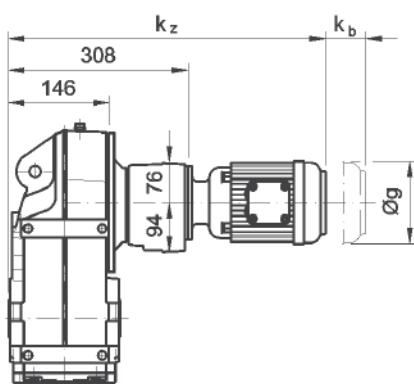
SPZ..36BF
63 - 160



SPZ..36..F

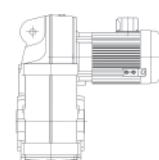


SPZ..36B16B/CF
63 - 112

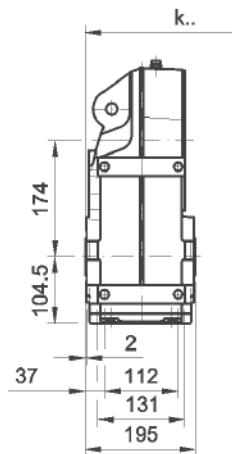


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		439	500	500	506	533	619	619										
ku																		
kz	562	610	671	671	677													
kc																		
kb	56	89	101	101	90	89	109	109										
dg		156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		

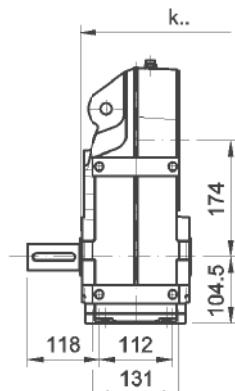
5. SP4



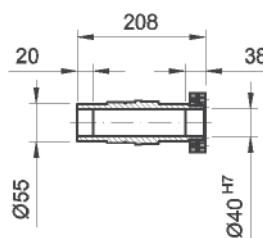
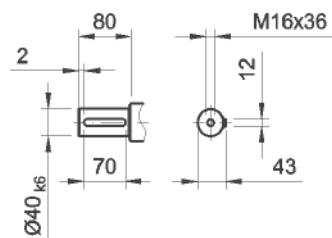
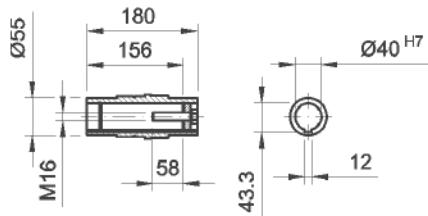
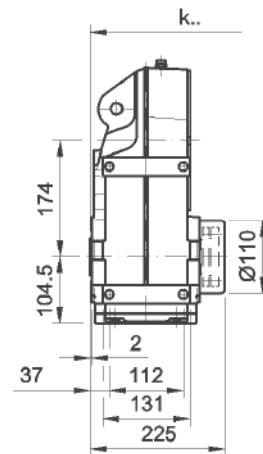
SPZH36..F..



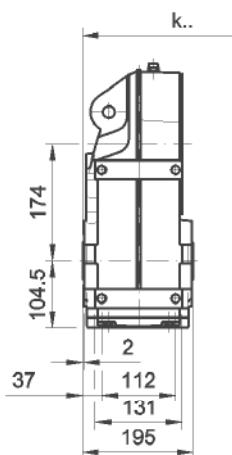
SPZN36..F..



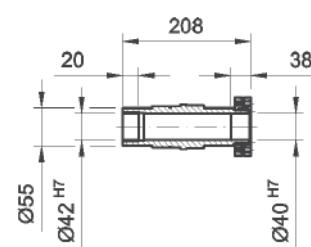
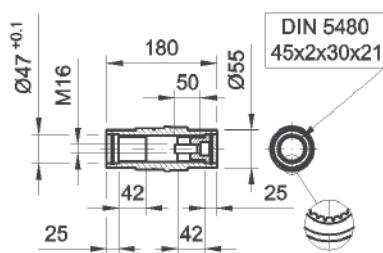
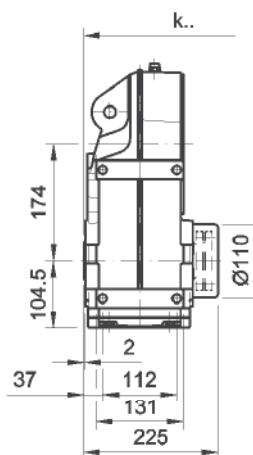
SPZS36..F..



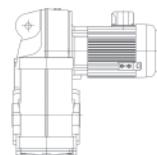
SPZT36..F..



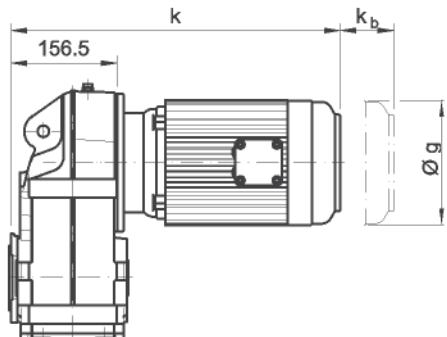
SPZC36..F..



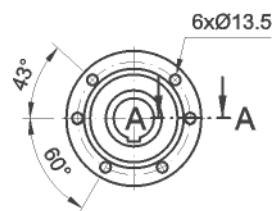
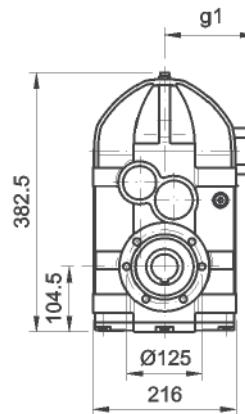
5. SP4



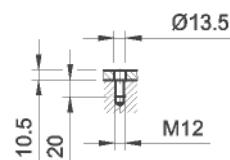
SPT..36B
63 - 160



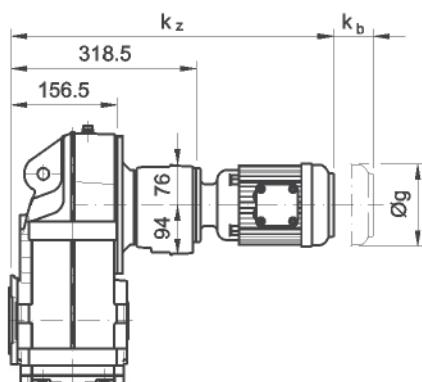
SPT..36..



A - A

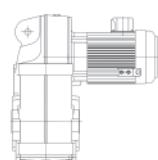


SPT..36B16B/C
63 - 112

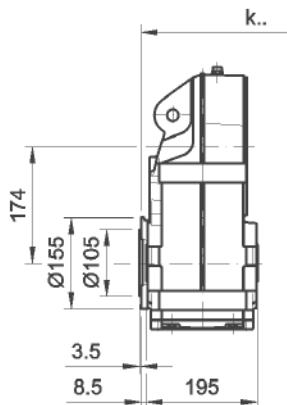


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		450	511	511	517	544	630	630										
ku																		
kz	573	621	682	682	688													
kc																		
kb	56	89	101	101	90	89	109	109										
øg		156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		

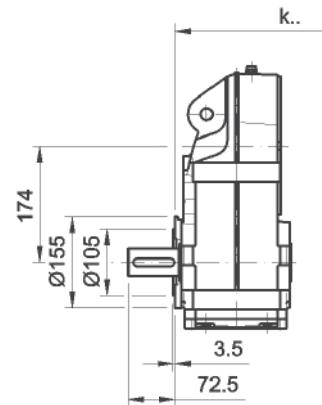
5. SP4



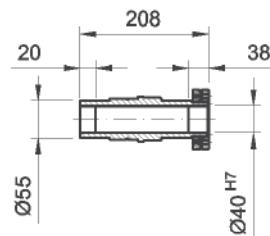
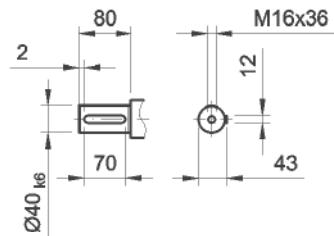
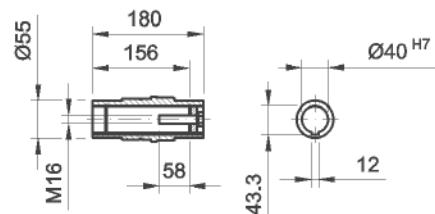
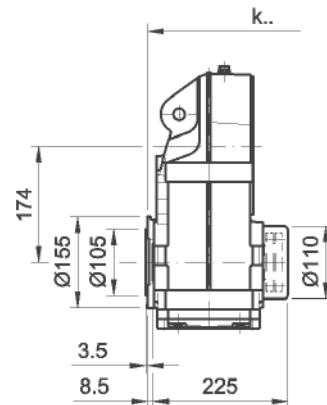
SPTH36..



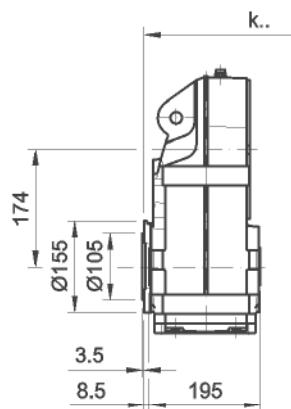
SPTN36..



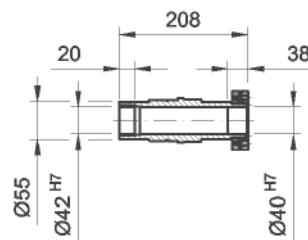
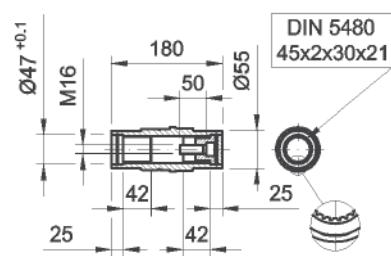
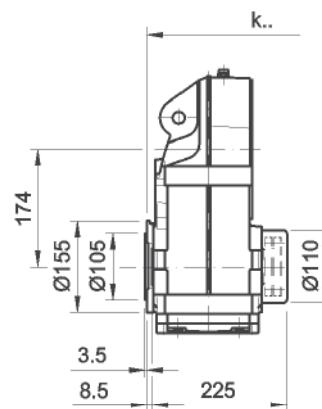
SPTS36..



SPTT36..

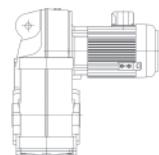
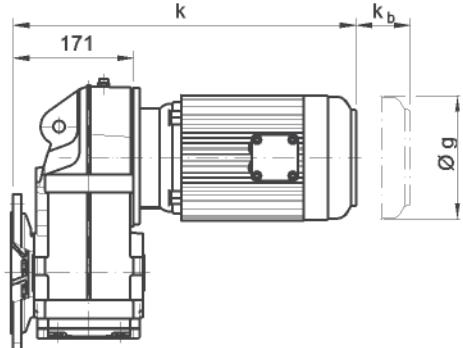


SPTC36..

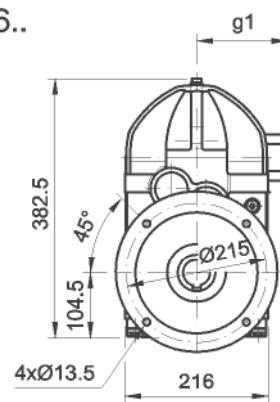
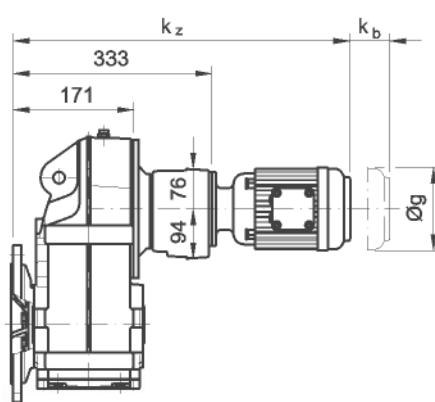




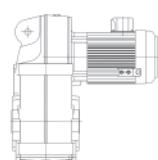
5. SP4

SPF..36B
63 - 160

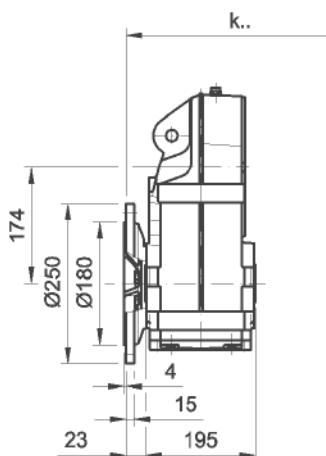
SPF..36..

SPF..36B16B/C
63 - 112

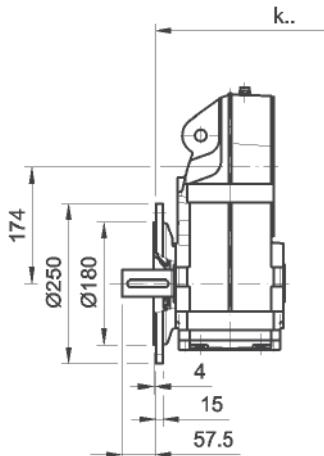
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		464	525	525	531	558	644	644										
ku																		
kz	587	635	696	696	702													
kc																		
kb	56	89	101	101	90	89	109	109										
dg		156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		



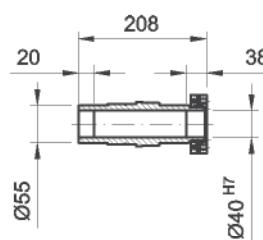
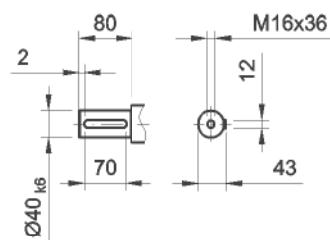
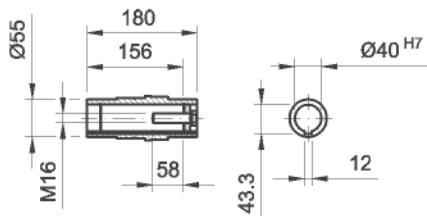
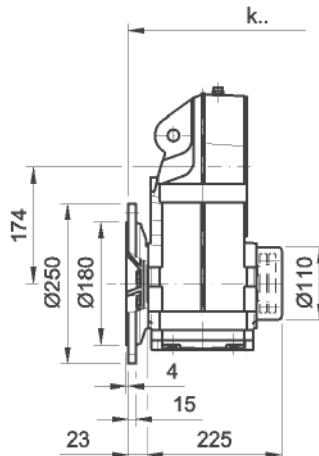
SPFH36..



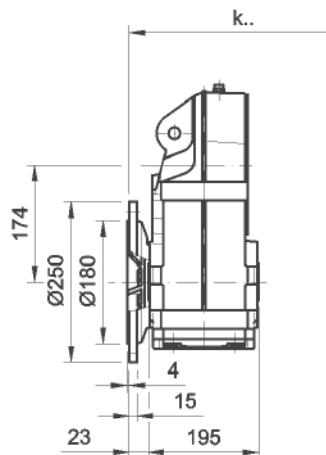
SPFN36..



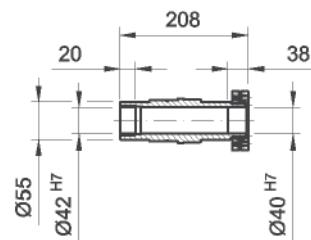
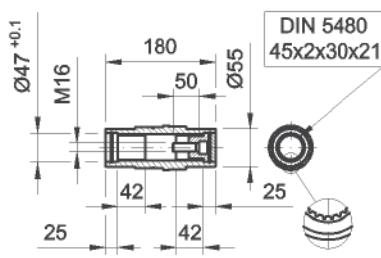
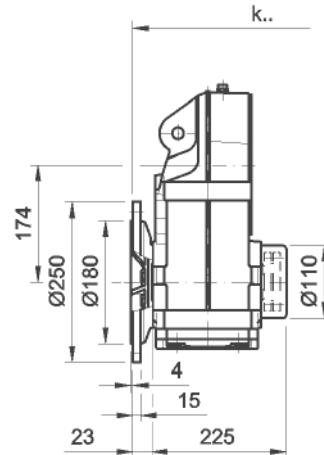
SPFS36..



SPFT36..

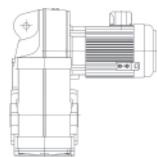
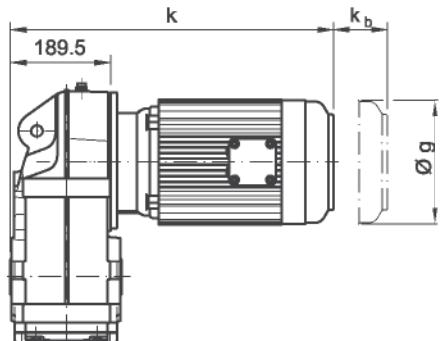


SPFC36..

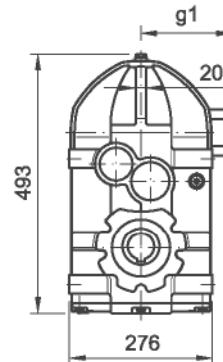
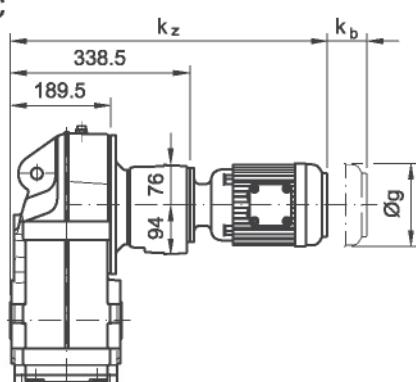




5. SP4

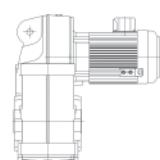
SPZ..46B/C
80 - 200

SPZ..46..

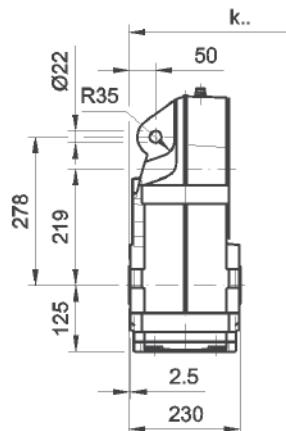
SPZ..46B/C16B/C
63 - 112

	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		471	532	532	538	565	651	651	713	713	773	773						
k_u																		
k_z	593	641	702	702	708													
k_c																		
k_b	56	89	101	101	90	89	109	109	128	128	151	151						
$\varnothing g$		156	174	174	196	213	255	255	314	314	354	354						
g_1	102	125	133	133	144	165	182	182	287	287	312	312						
$\varnothing am$																		

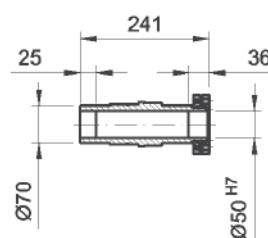
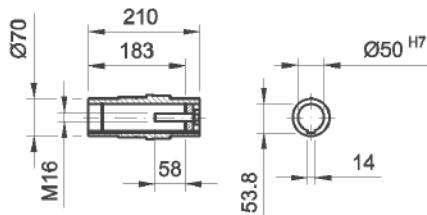
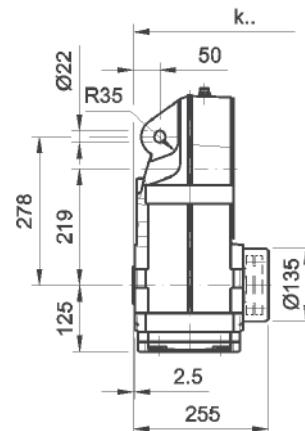
5. SP4



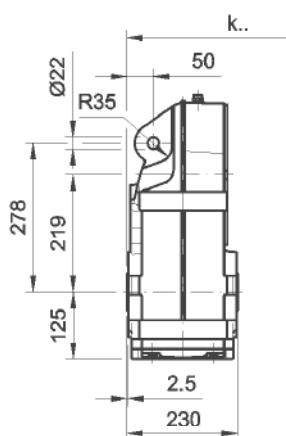
SPZH46..



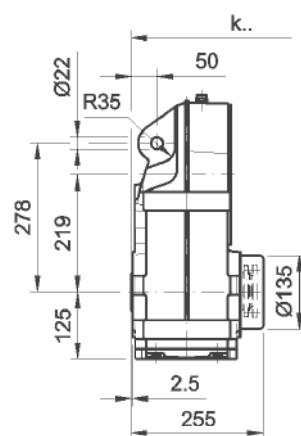
SPZS46..



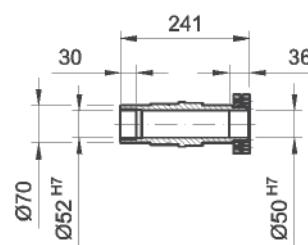
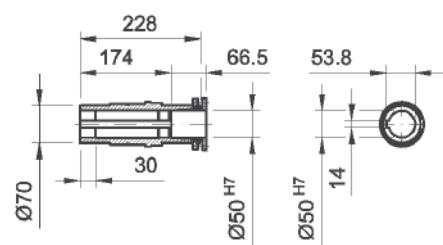
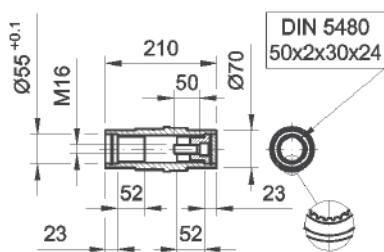
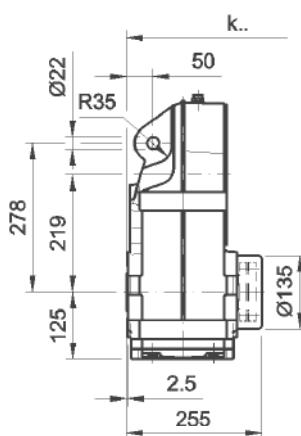
SPZT46..



SPZB46..

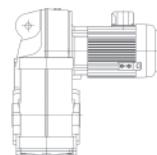
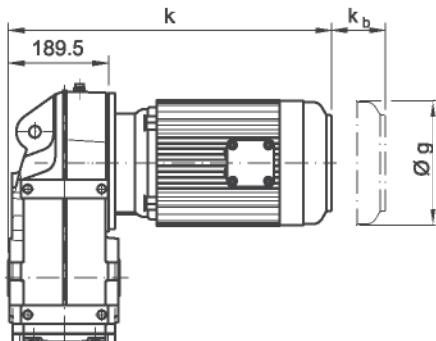


SPZC46..

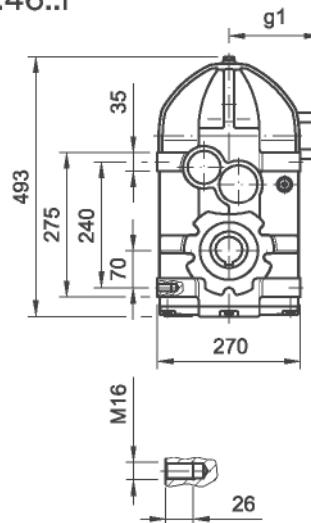
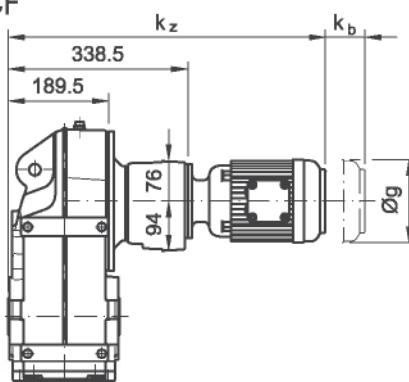




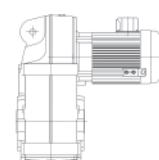
5. SP4

SPZ..46B/CF
80 - 200

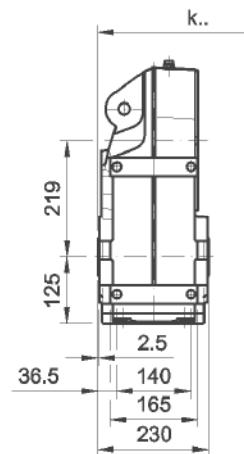
SPZ..46..F

SPZ..46B/C16B/CF
63 - 112

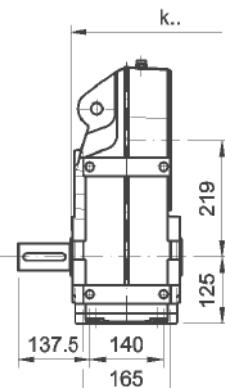
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		471	532	532	538	565	651	651	713	713	773	773						
ku																		
kz	593	641	702	702	708													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
eg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
ean																		



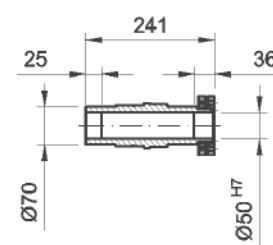
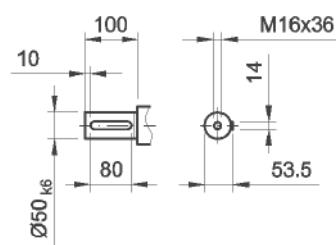
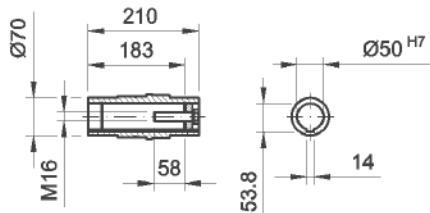
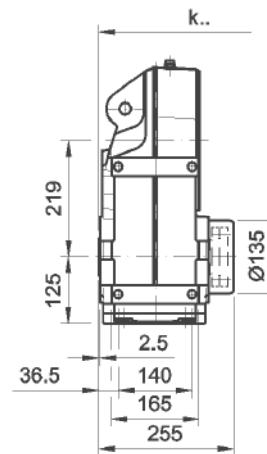
SPZH46..F..



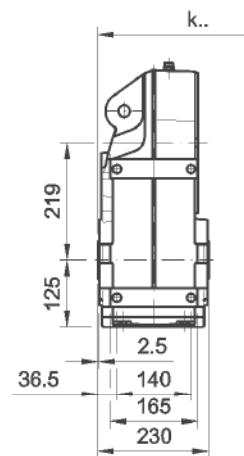
SPZN46..F..



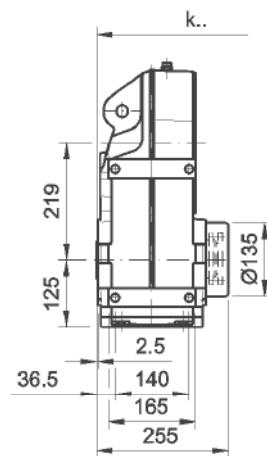
SPZS46..F..



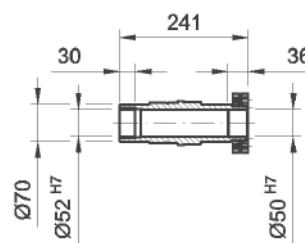
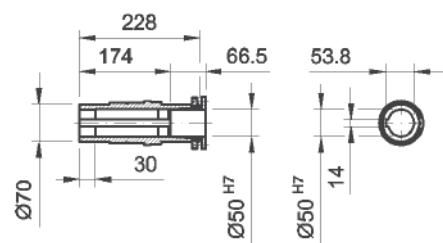
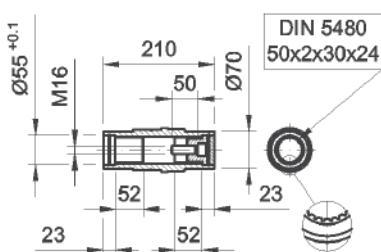
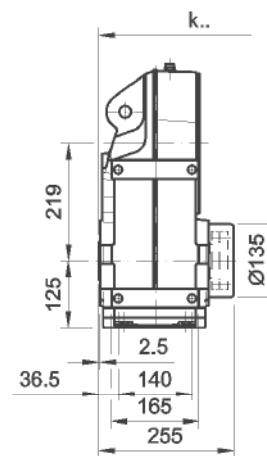
SPZT46..F..



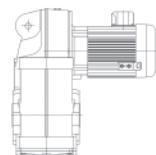
SPZB46..F..



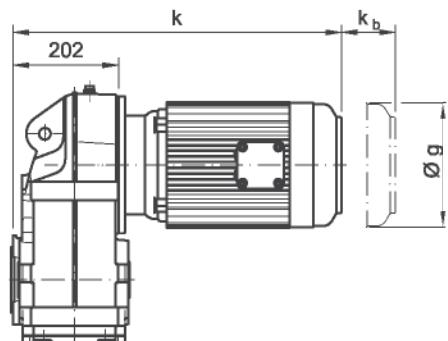
SPZC46..F..



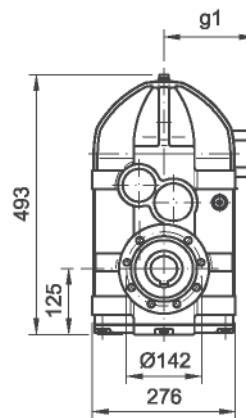
5. SP4



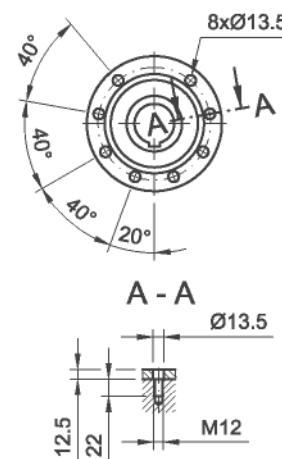
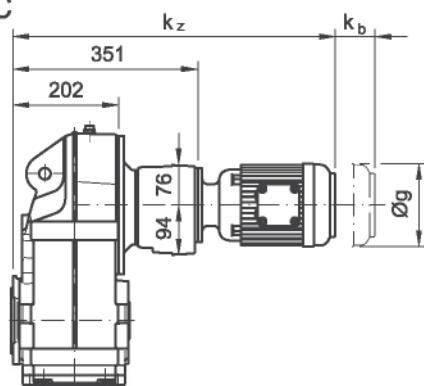
SPT..46B/C
80 - 200



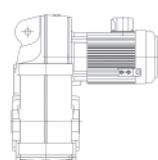
SPT..46..



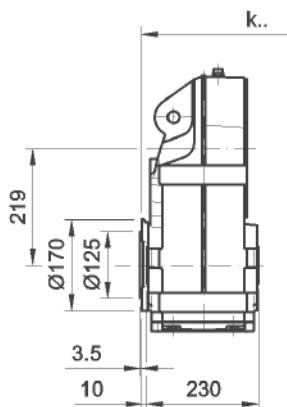
SPT..46B/C16B/C
63 - 112



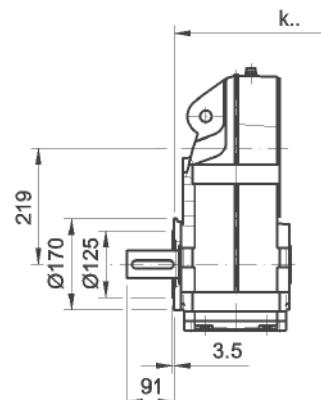
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		483	544	544	550	577	663	663	726	726	785	785						
ku																		
kz	605	653	714	714	720													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
eg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



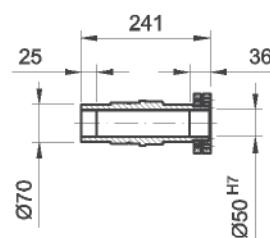
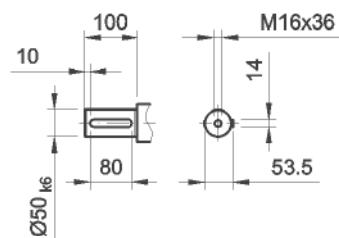
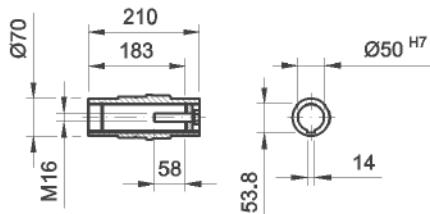
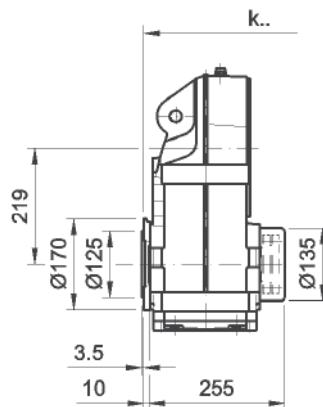
SPTH46..



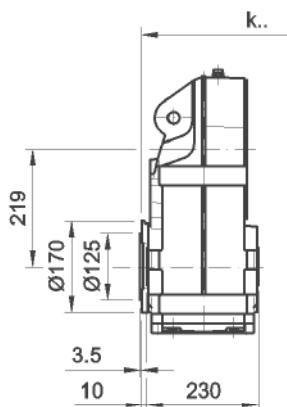
SPTN46..



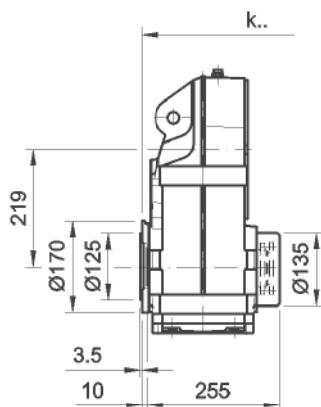
SPTS46..



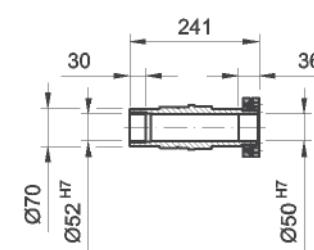
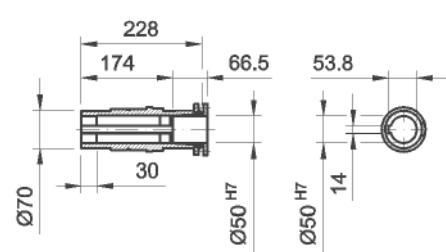
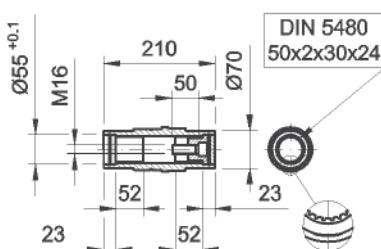
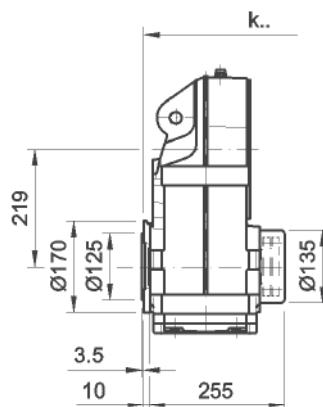
SPTT46..



SPTB46..

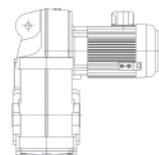
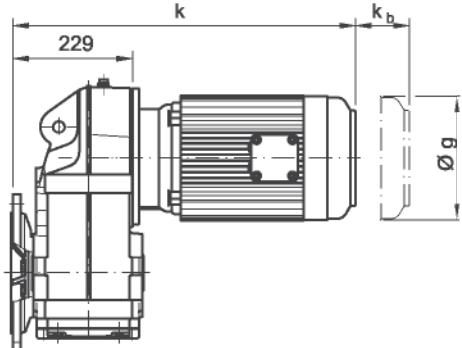


SPTC46..

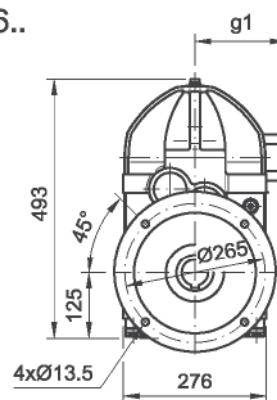
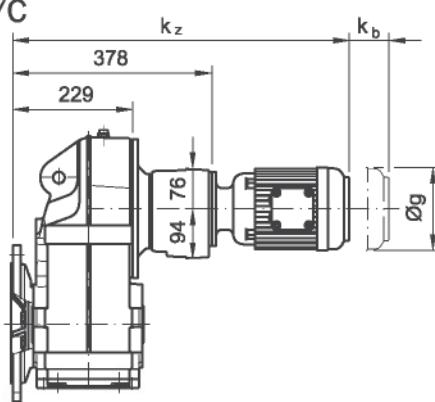




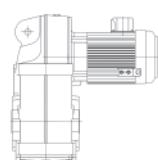
5. SP4

SPF..46B/C
80 - 200

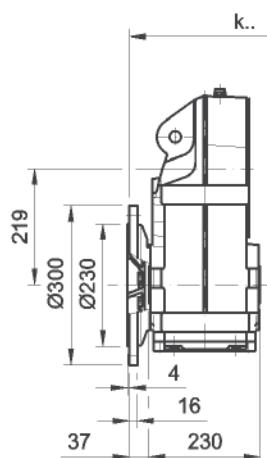
SPF..46..

SPF..46B/C16B/C
63 - 112

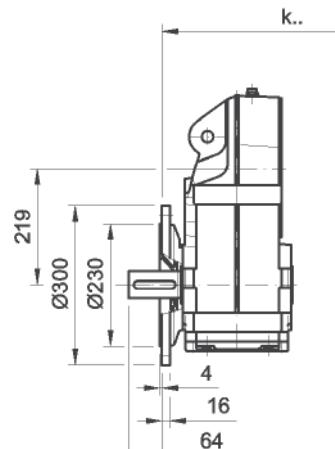
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		510	571	571	577	604	690	690	753	753	812	812						
ku																		
kz	632	680	741	741	747													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



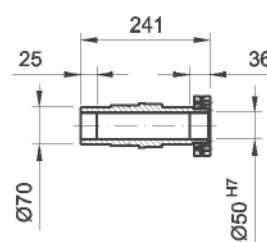
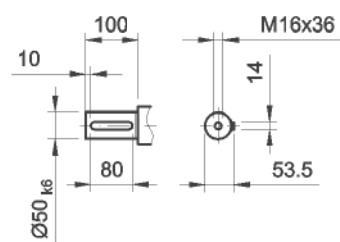
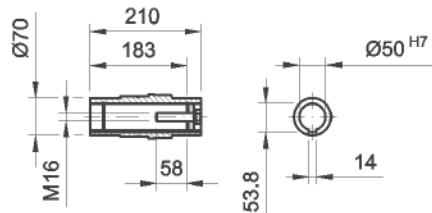
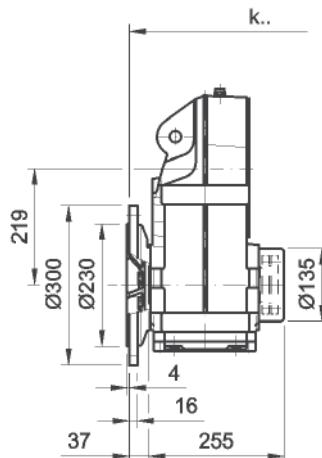
SPFH46..



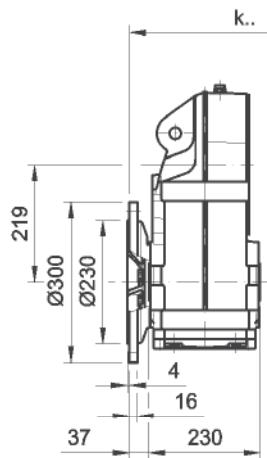
SPFN46..



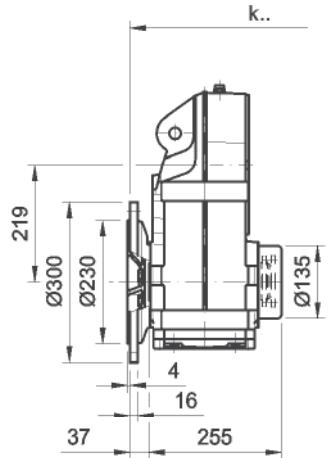
SPFS46..



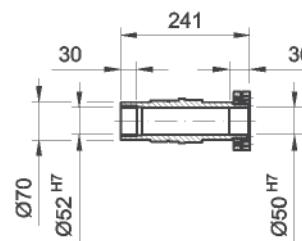
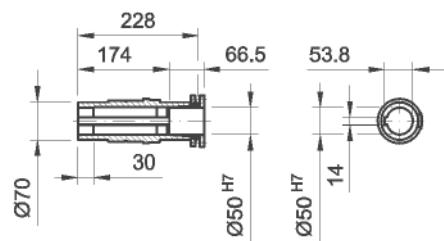
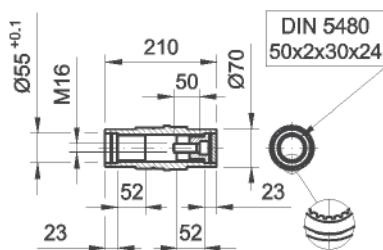
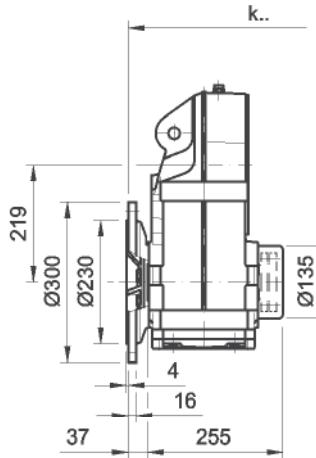
SPFT46..



SPFB46..

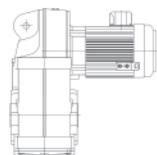
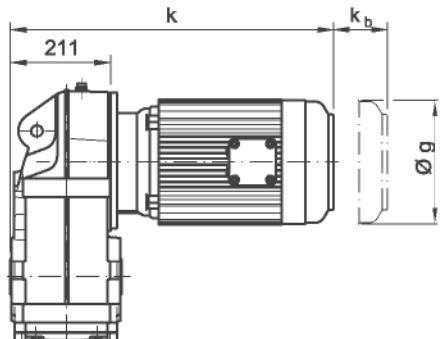


SPFC46..

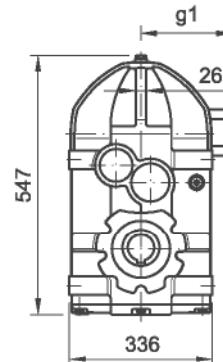




5. SP4

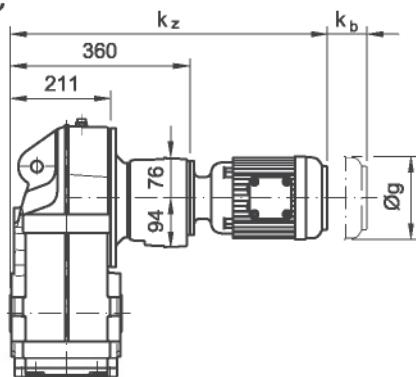
SPZ..56B/C
80 - 200

SPZ..56..



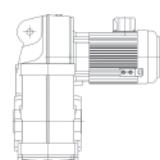
SPZ..56B/C16B/C

63 - 112

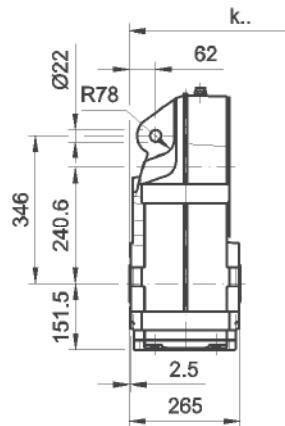


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		492	553	553	559	586	672	672	735	735	794	794						
k _u																		
k _z	614	662	723	723	729													
k _c																		
k _b	56	89	101	101	90	89	109	109	128	128	151	151						
øg		156	174	174	196	213	255	255	314	314	354	354						
g ₁	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		

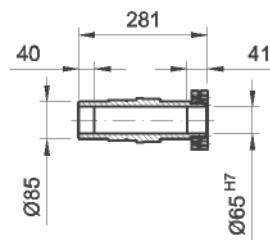
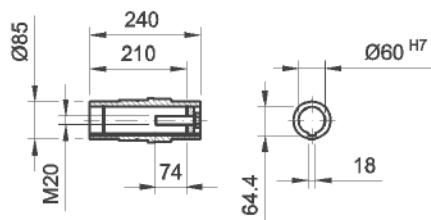
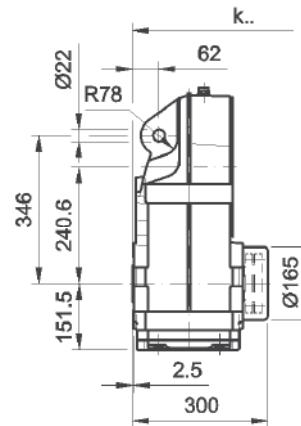
5. SP4



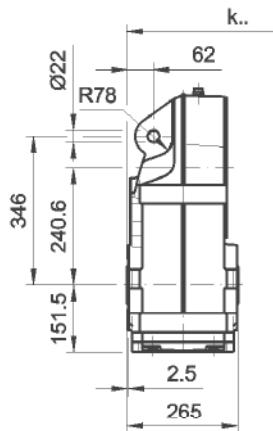
SPZH56..



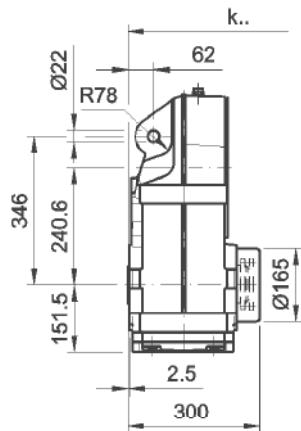
SPZS56..



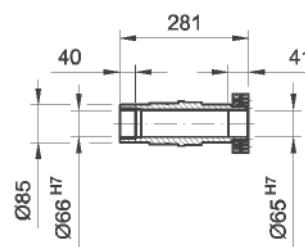
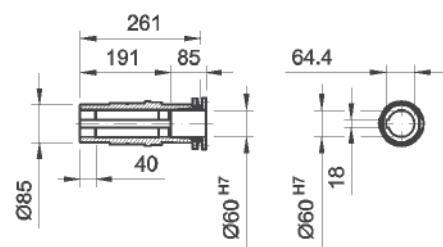
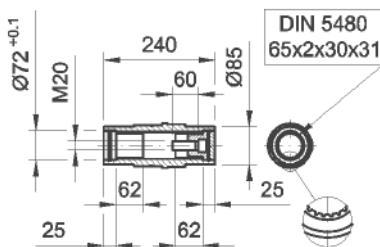
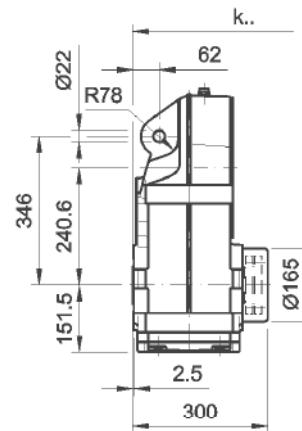
SPZT56..



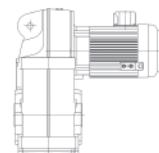
SPZB56..



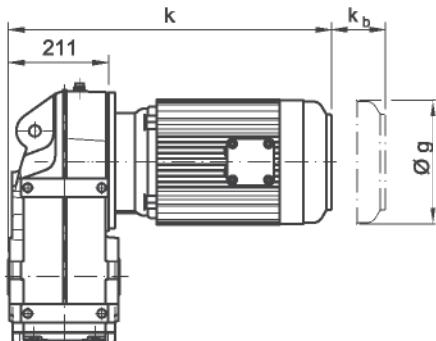
SPZC56..



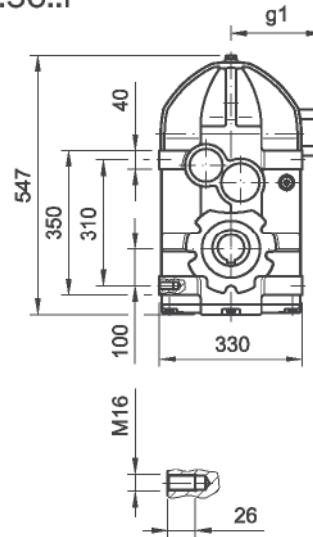
5. SP4



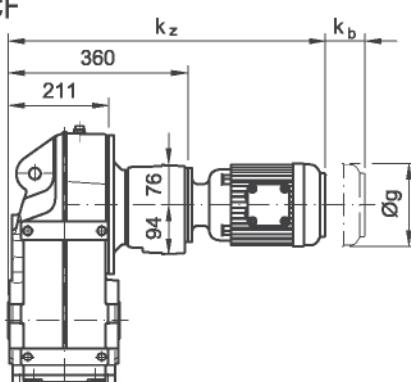
SPZ..56B/CF
80 - 200



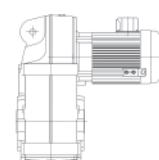
SPZ..56..F



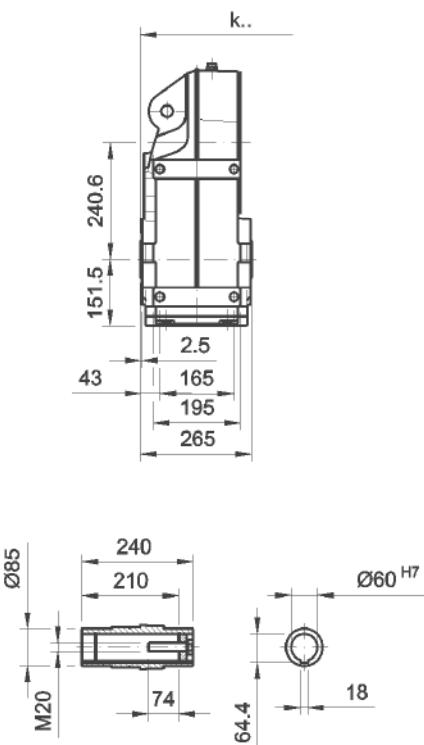
SPZ..56B/C16B/CF
63 - 112



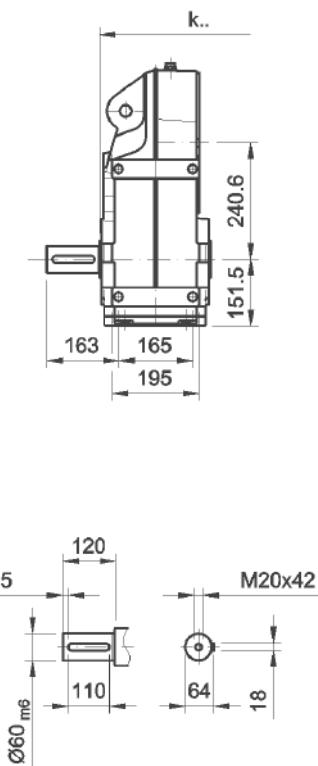
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		492	553	553	559	586	672	672	735	735	794	794						
ku																		
kz	614	662	723	723	729													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



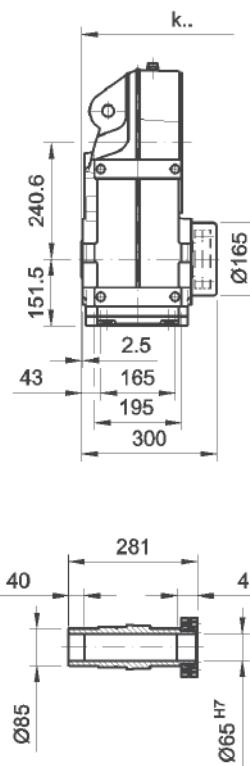
SPZH56..F..



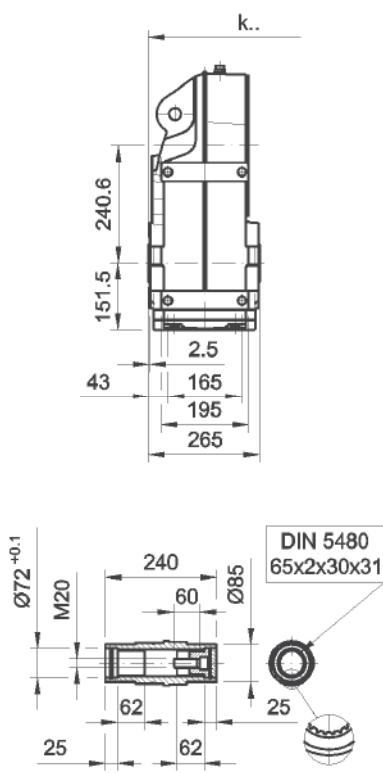
SPZN56..F..



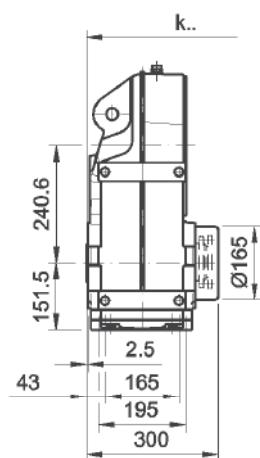
SPZS56..F..



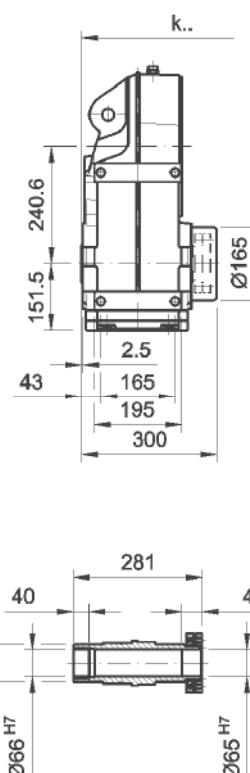
SPZT56..F..



SPZB56..F..

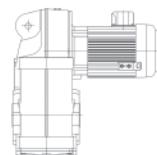
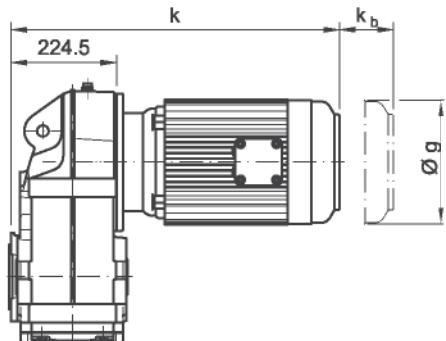


SPZC56..F..

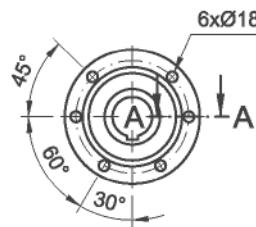
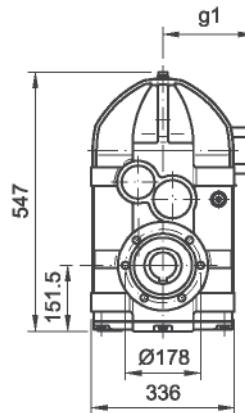




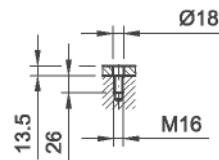
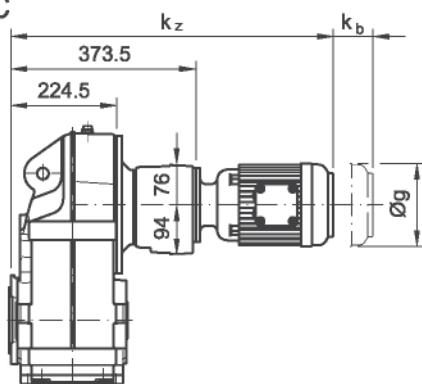
5. SP4

SPT..56B/C
80 - 200

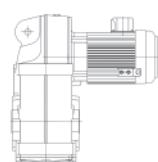
SPT..56..



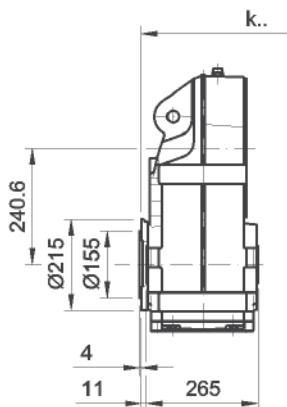
A - A

SPT..56B/C16B/C
63 - 112

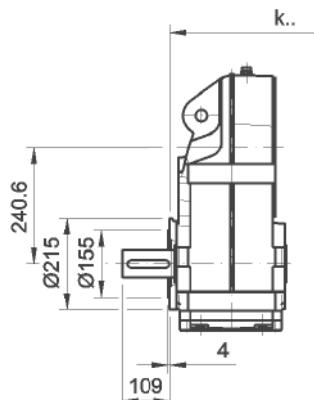
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		506	567	567	573	600	686	686	748	748	808	808						
ku																		
kz	628	676	737	737	743													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
eg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
ean																		



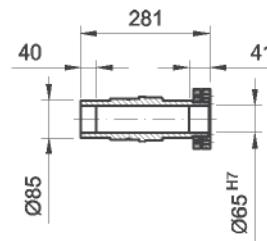
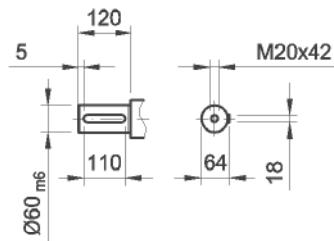
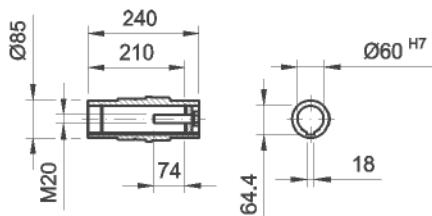
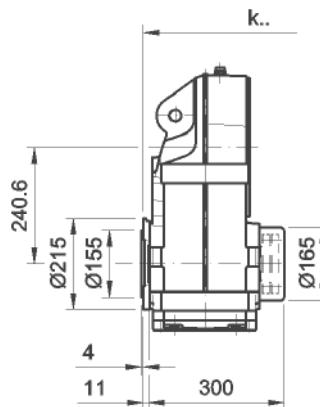
SPTH56..



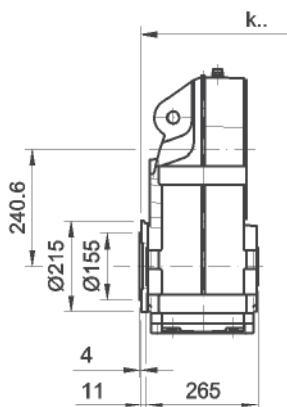
SPTN56..



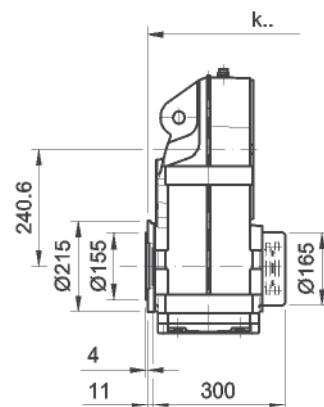
SPTS56..



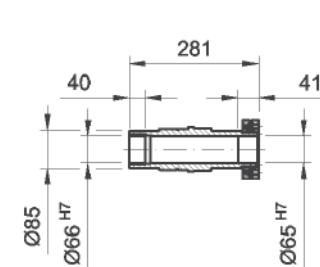
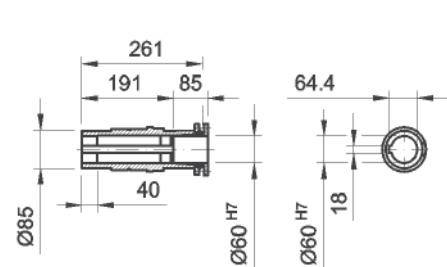
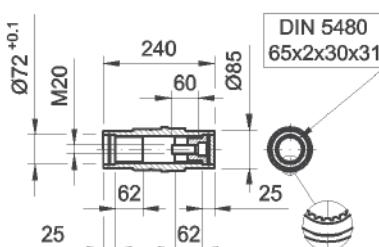
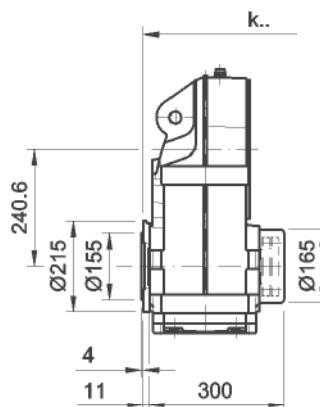
SPTT56..



SPTB56..

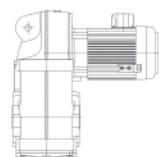
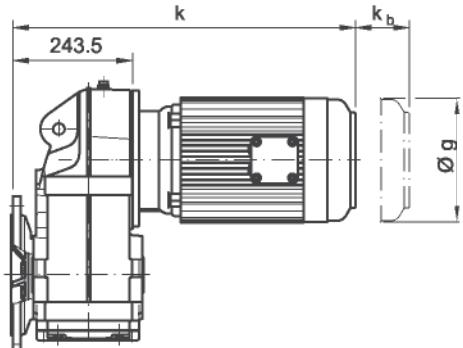


SPTC56..

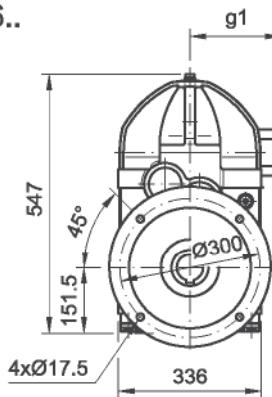
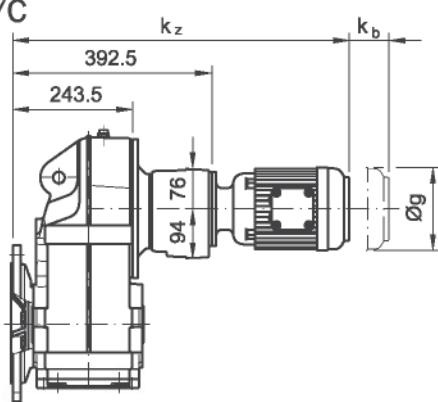




5. SP4

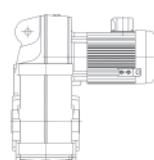
SPF..56B/C
80 - 200

SPF..56..

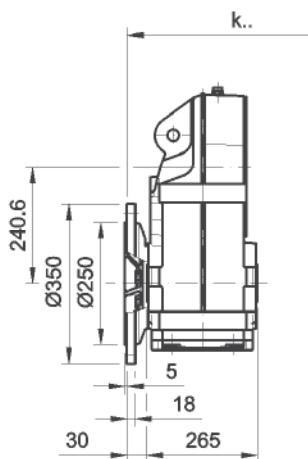
SPF..56B/C16B/C
63 - 112

	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		525	586	586	592	619	705	705	767	767	827	827						
ku																		
kz	647	695	756	756	762													
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		

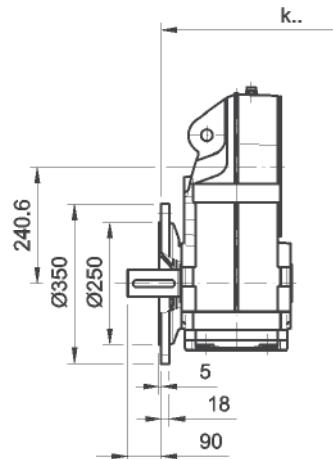
5. SP4



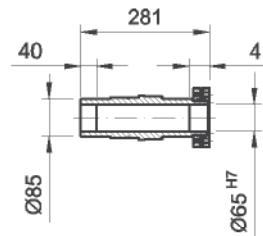
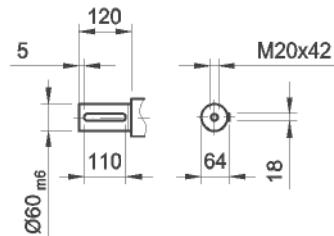
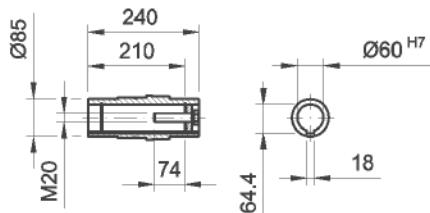
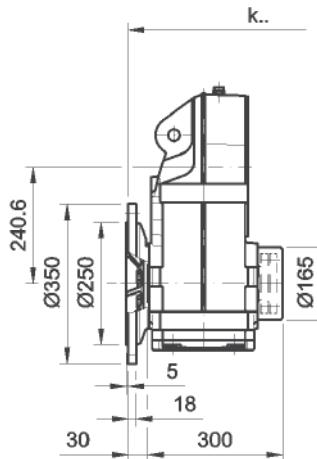
SPFH56..



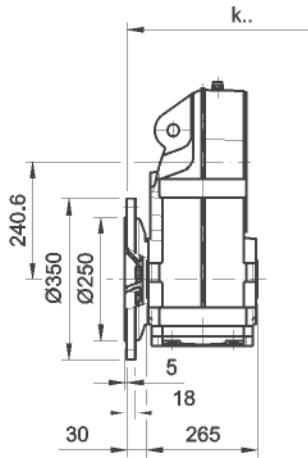
SPFN56..



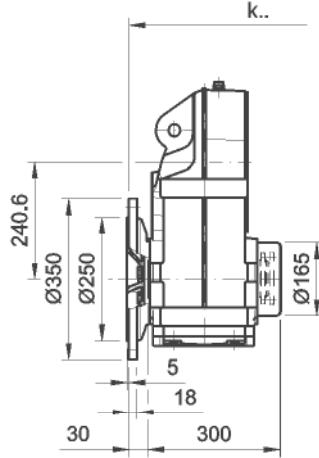
SPFS56..



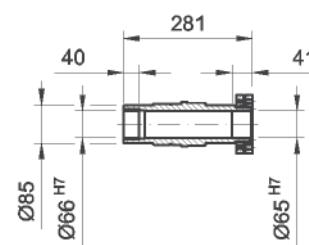
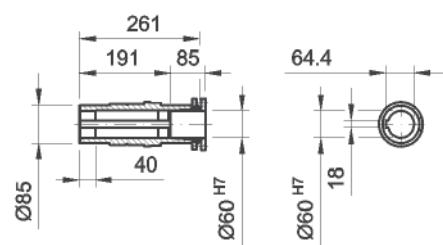
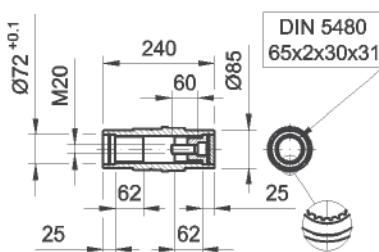
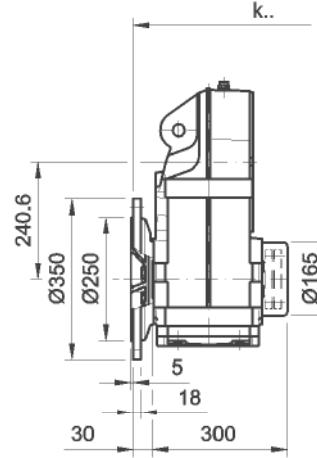
SPFT56..



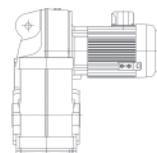
SPFB56..



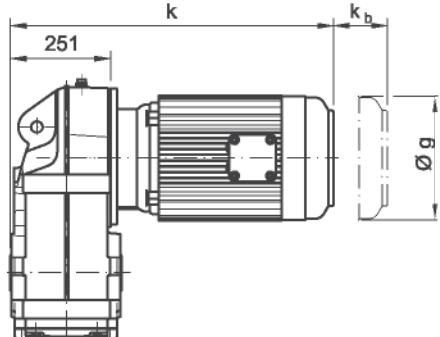
SPFC56..



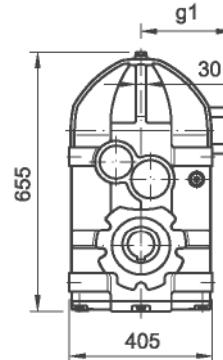
5. SP4



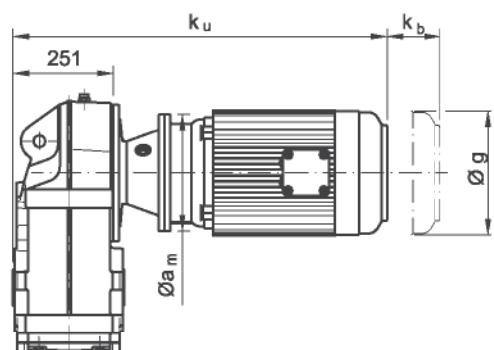
SPZ..66B/C
100 - 225



SPZ..66..

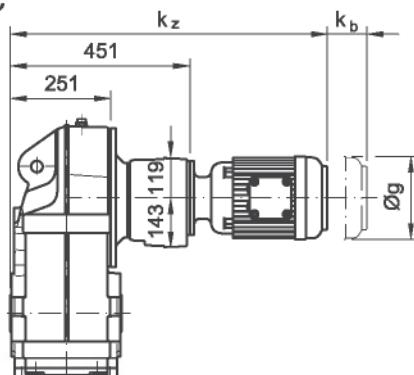


SPZ..66B/C-U
100 - 280

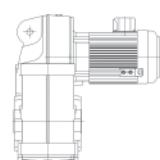


SPZ..66B/C36B/C

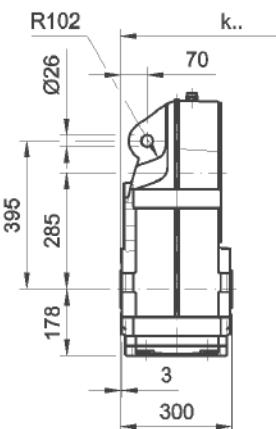
63 - 160



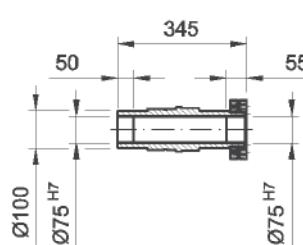
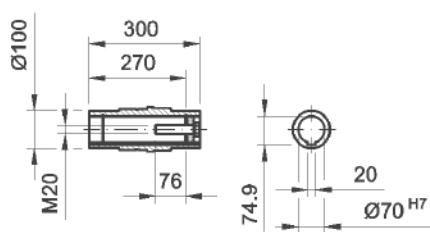
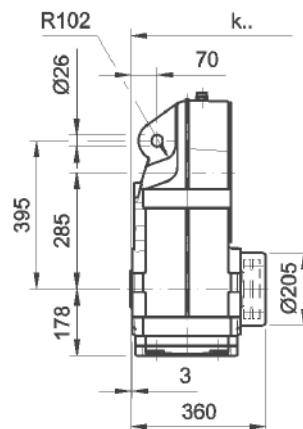
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						617	604	604	775	775	834	834						
ku					699	716	755	793	936	980	1094	1132	1222	1281	1311	1431	1537	1537
kz		744	805	805	811	838	924	924										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	



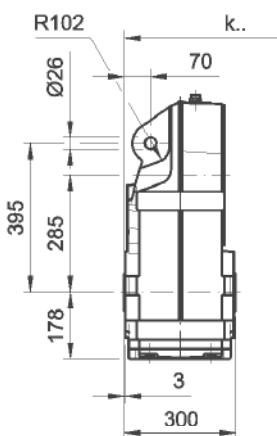
SPZH66..



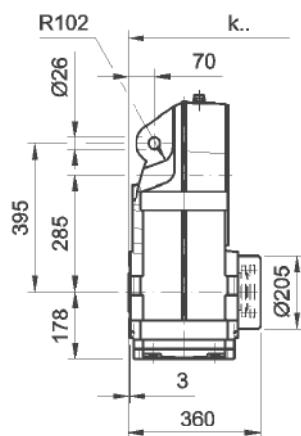
SPZS66..



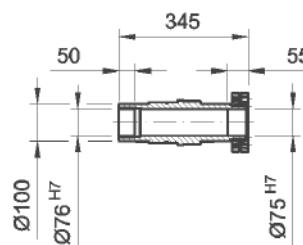
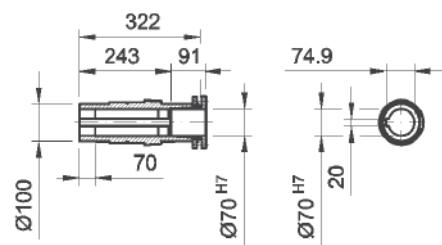
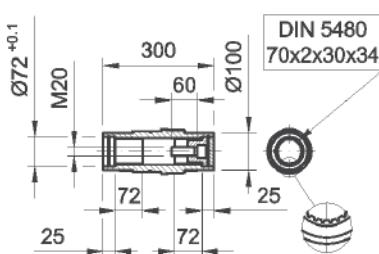
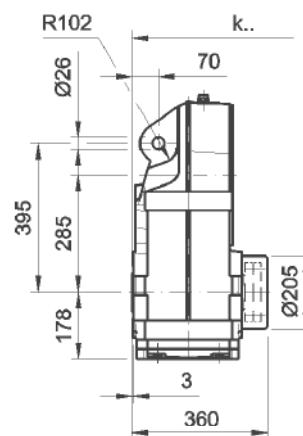
SPZT66..



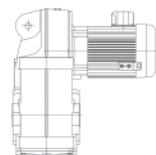
SPZB66..



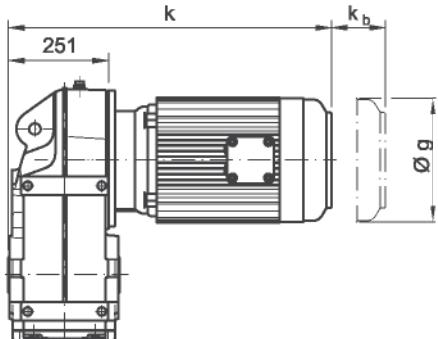
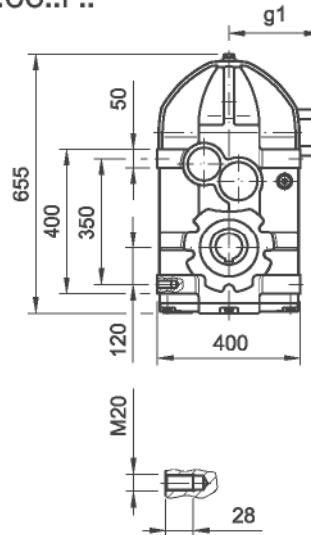
SPZC66..



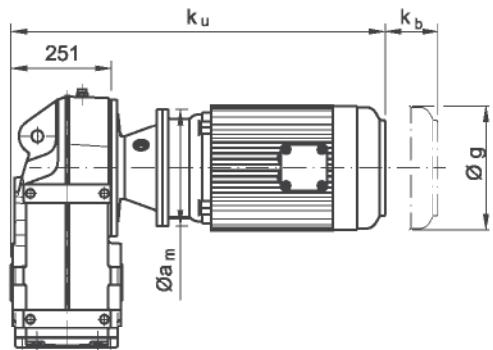
5. SP4


SPZ..66B/CF

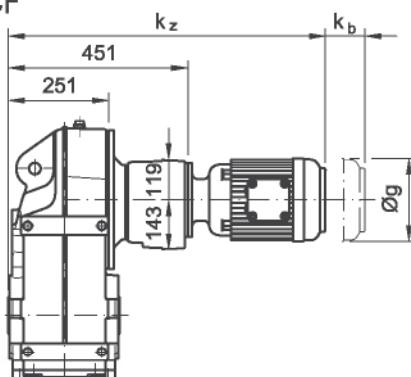
100 - 225


SPZ..66..F..

SPZ..66B/CF-U

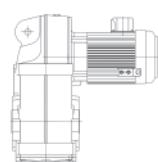
100 - 280


SPZ..66B/C36B/CF

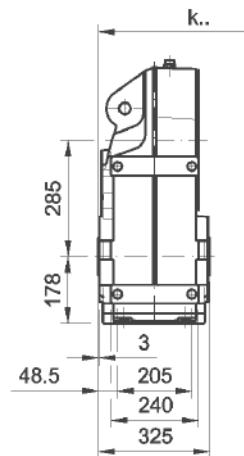
63 - 160



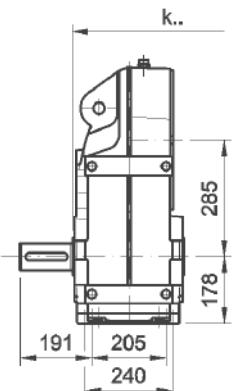
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						617	604	604	775	775	834	834						
ku						699	716	755	793	936	980	1094	1132	1222	1311	1341	1431	1537
kz		744	805	805	811	838	924	924										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	



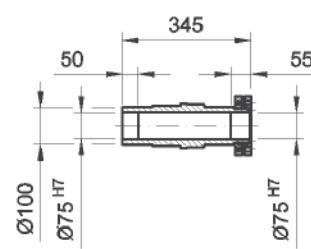
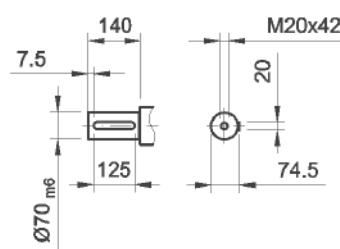
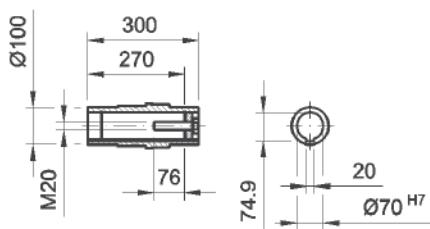
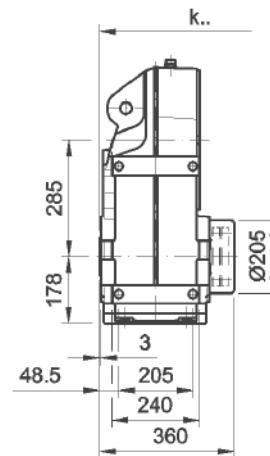
SPZH66..F..



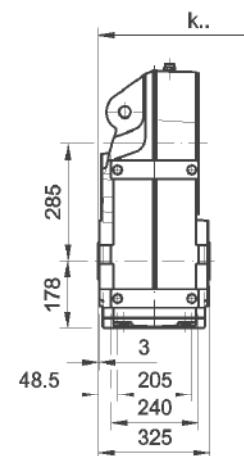
SPZN66..F..



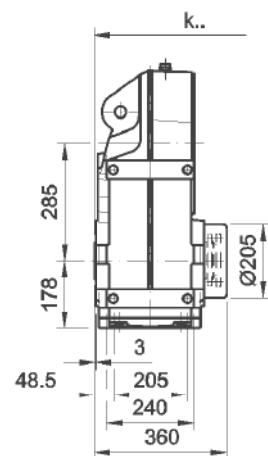
SPZS66..F..



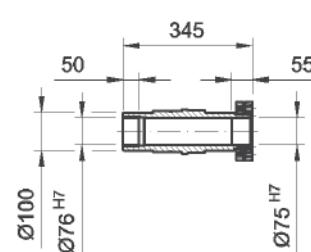
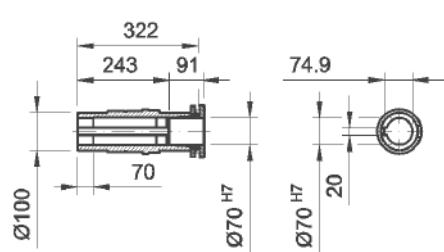
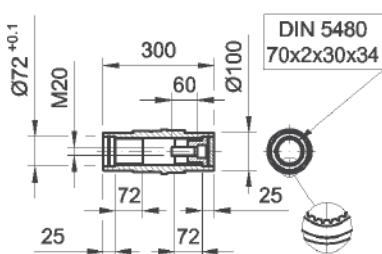
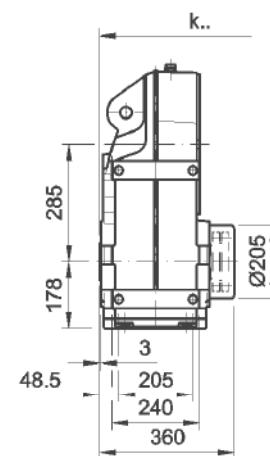
SPZT66..F..



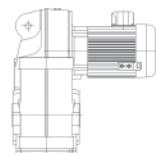
SPZB66..F..



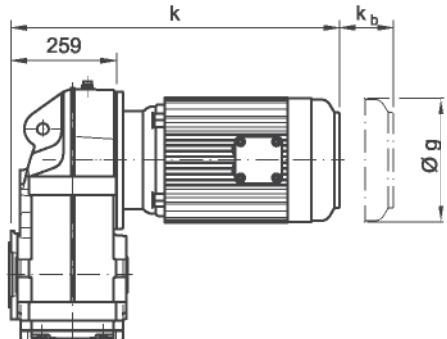
SPZC66..F..



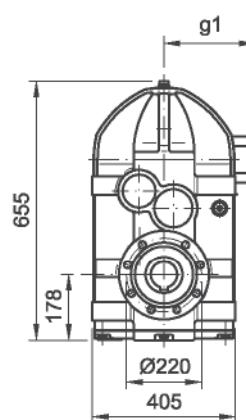
5. SP4



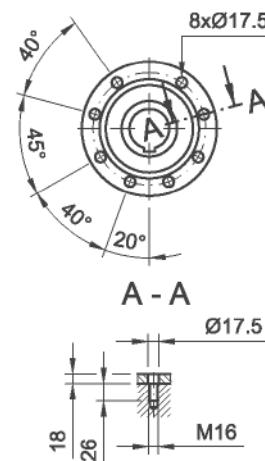
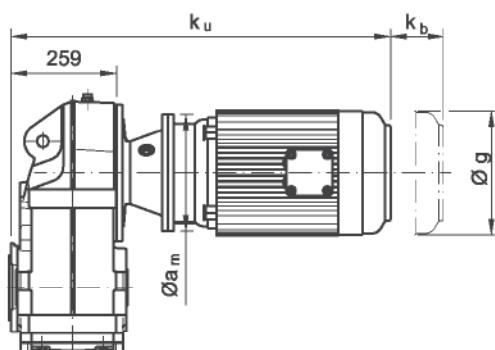
SPT..66B/C
100 - 225



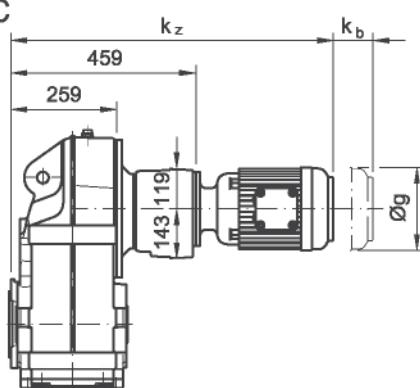
SPT..66..



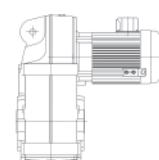
SPT..66B/C-U
100 - 280



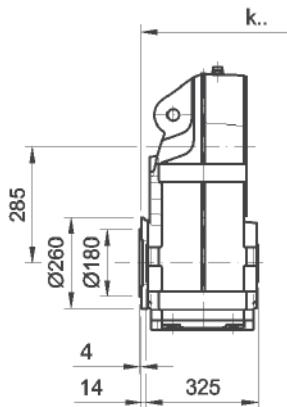
SPT..66B/C36B/C
63 - 160



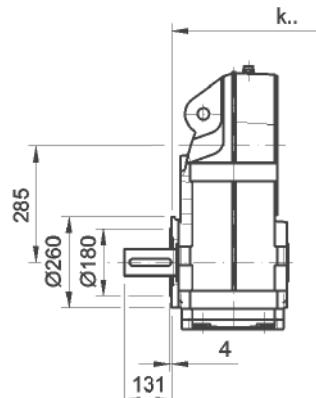
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						625	612	612	783	783	842	842						
ku					707	724	763	801	944	988	1138	1140	1230	1319	1349	1439	1545	1545
kz		752	813	813	819	846	932	932										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	



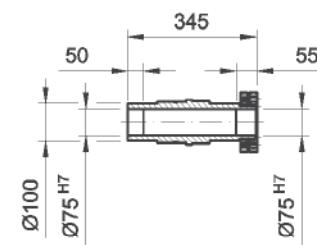
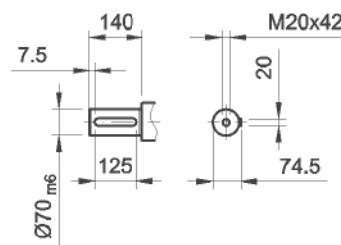
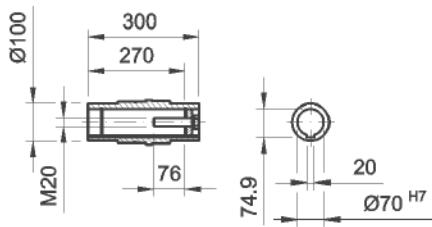
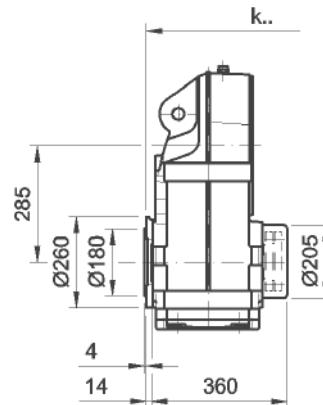
SPTH66..



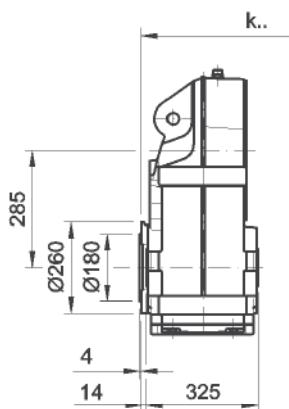
SPTN66..



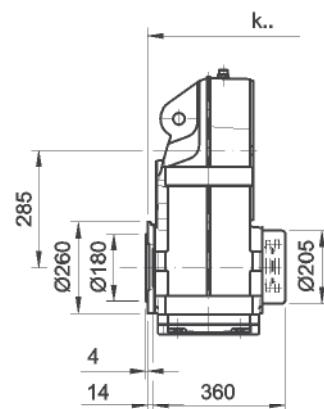
SPTS66..



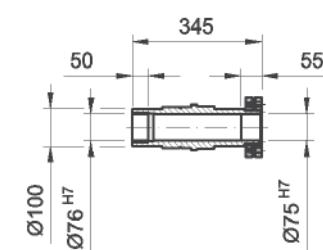
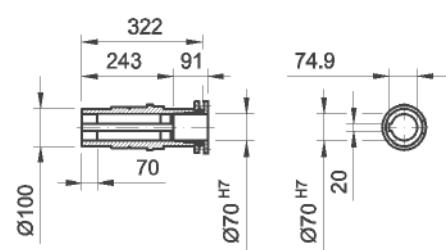
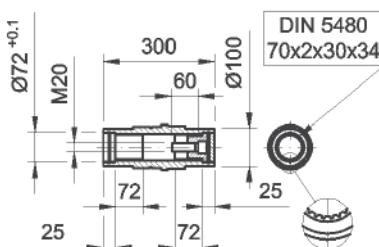
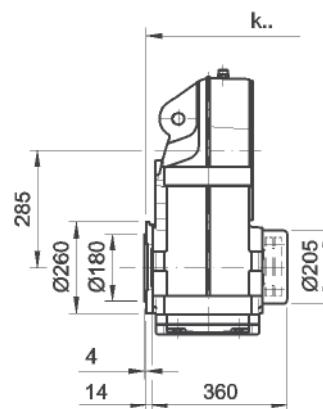
SPTT66..



SPTB66..

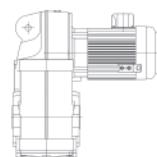


SPTC66..

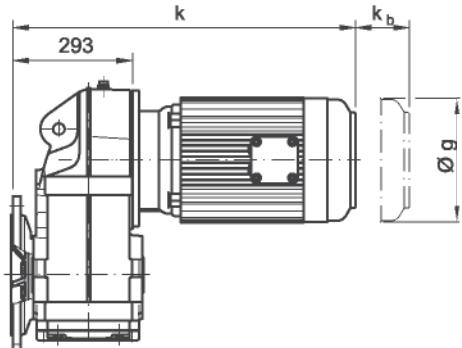




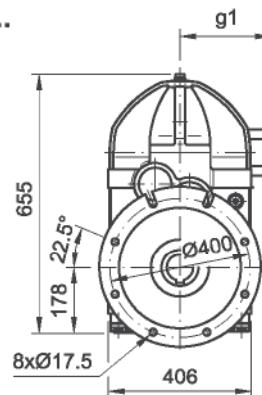
5. SP4



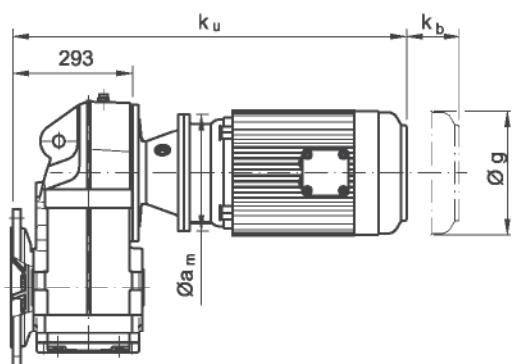
SPF..66B/C
100 - 225



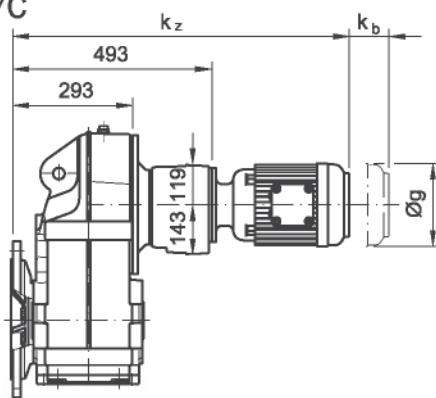
SPF..66..



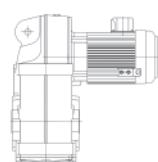
SPF..66B/C-U
100 - 280



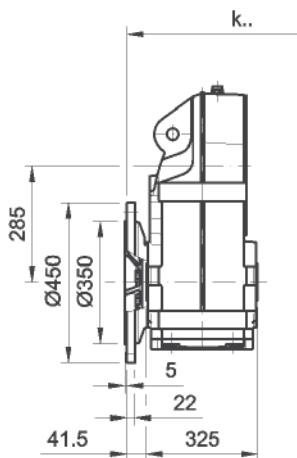
SPF..66B/C36B/C
63 - 160



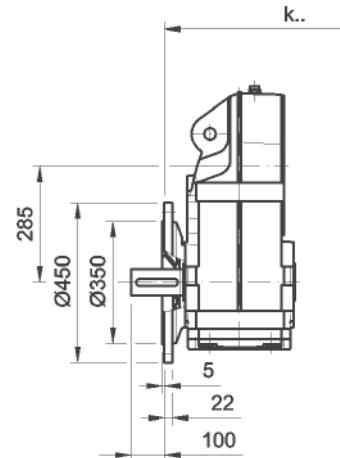
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						659	646	646	817	817	876	876						
ku					741	758	797	835	978	1022	1136	1174	1264	1353	1383	1473	1579	1579
kz		786	847	847	853	880	966	966										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
da_m					250	250	300	300	350	350	350	350	400	450	450	550	550	



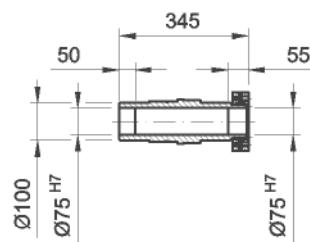
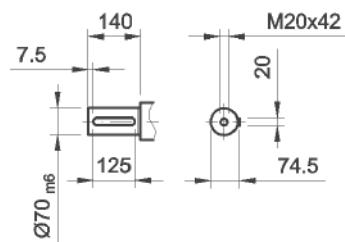
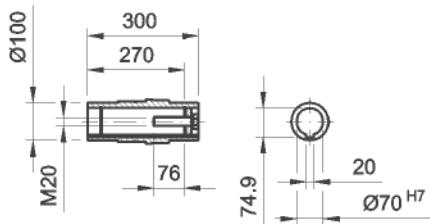
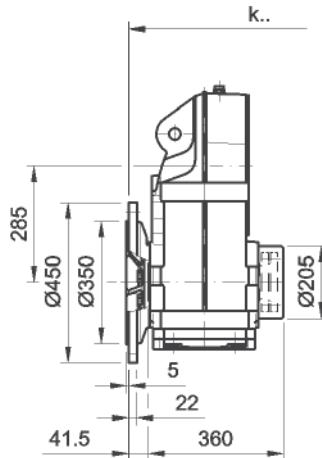
SPFH66..



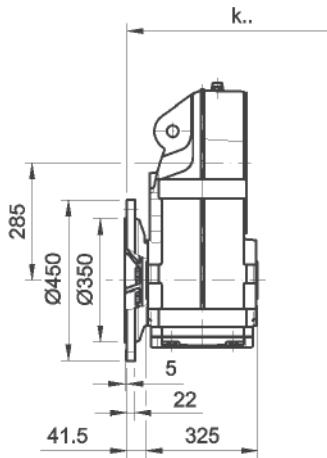
SPFN66..



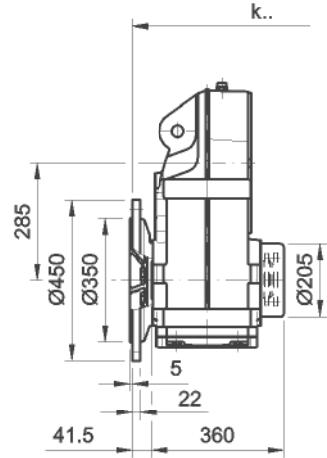
SPFS66..



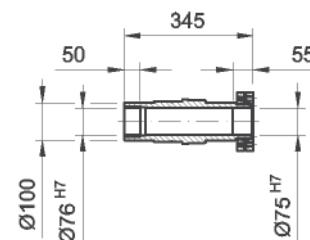
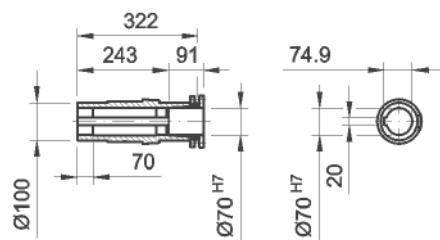
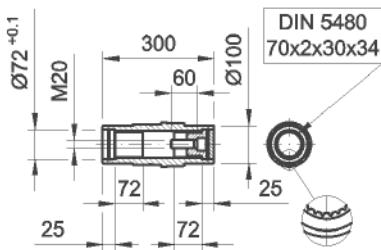
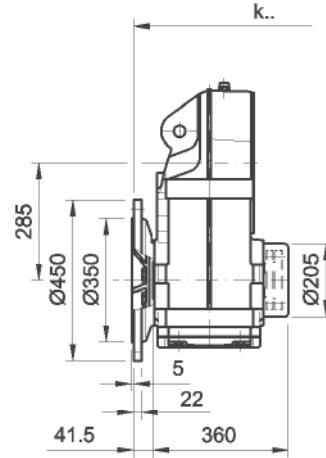
SPFT66..



SPFB66..

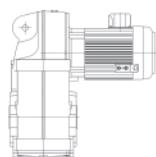
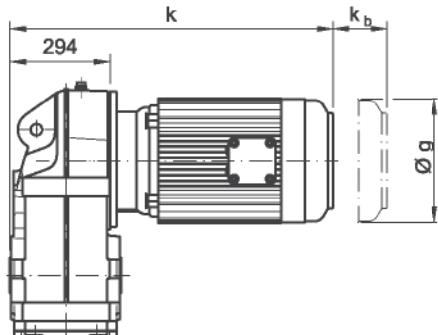


SPFC66..

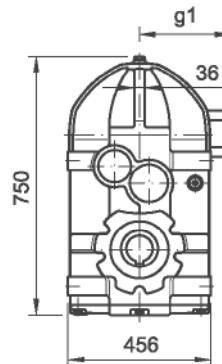
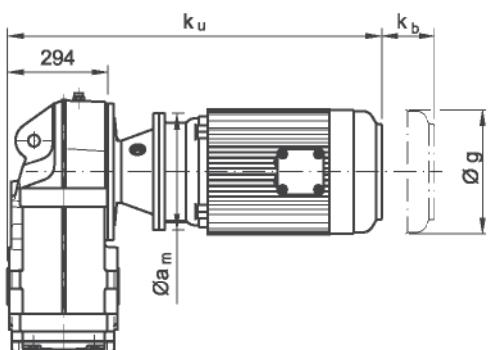
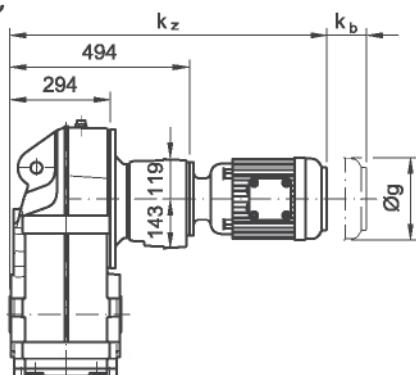




5. SP4

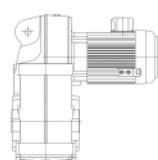
SPZ..76B/C
100 - 225

SPZ..76..

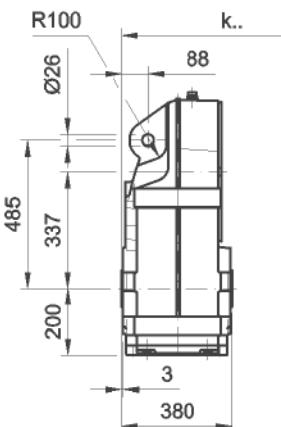
SPZ..76B/C-U
100 - 280SPZ..76B/C36B/C
63 - 160

	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						660	647	647	818	818	877	877						
ku						742	759	798	836	979	1023	1137	1175	1265	1354	1384	1474	1580
kz		787	848	848	854	881	967	967										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
da_m					250	250	300	300	350	350	350	350	400	450	450	550	550	550

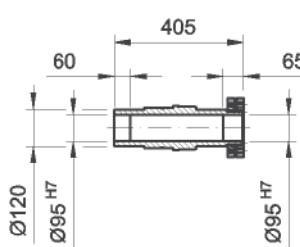
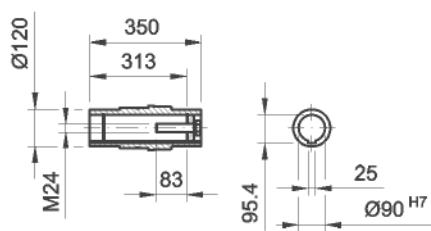
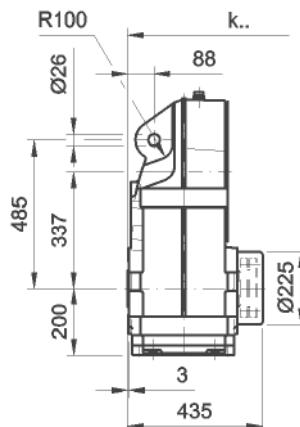
5. SP4



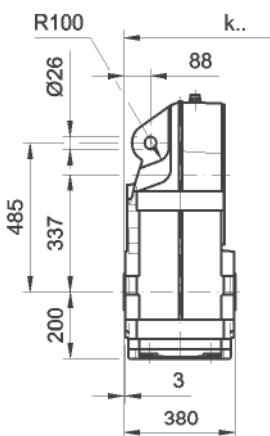
SPZH76..



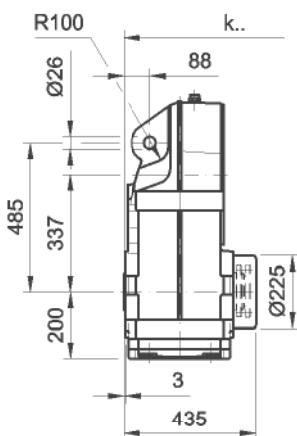
SPZS76..



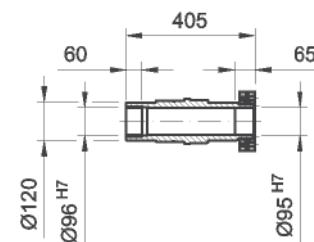
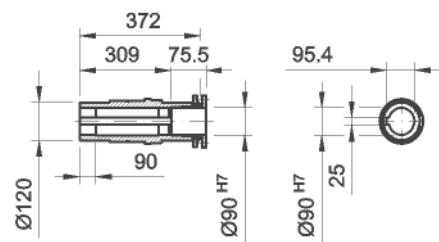
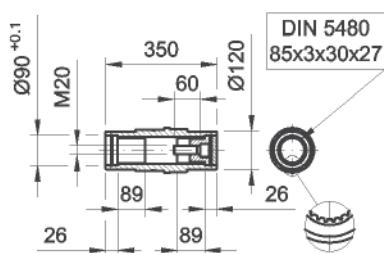
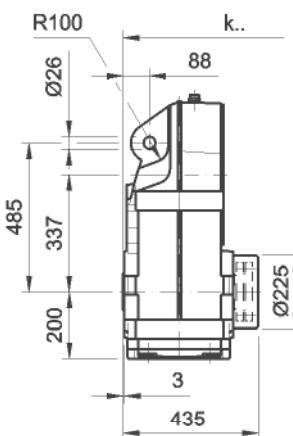
SPZT76..



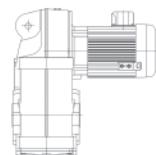
SPZB76..



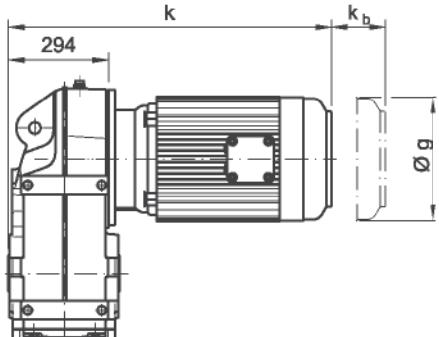
SPZC76..



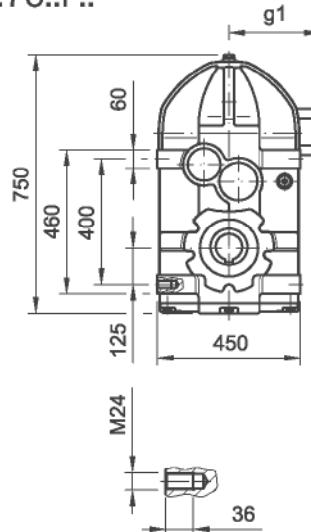
5. SP4



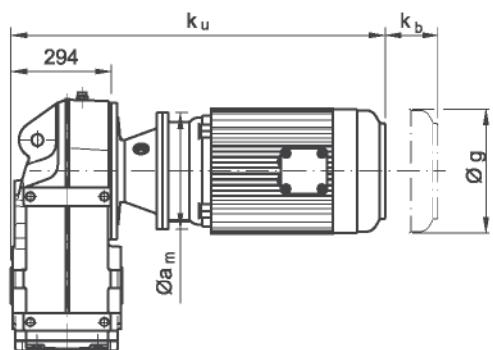
SPZ..76B/CF
100 - 225



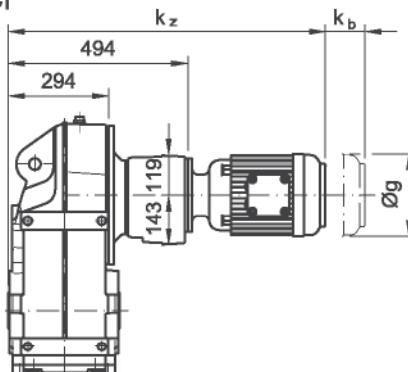
SPZ..76..F..



SPZ..76B/CF-U
100 - 280

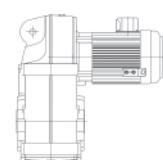


SPZ..76B/C36B/CF
63 - 160

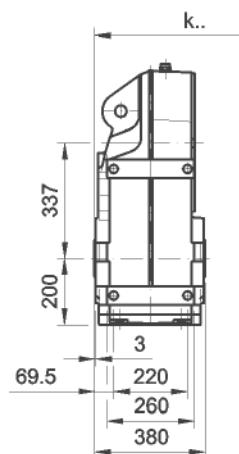


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						660	647	647	818	818	877	877						
ku					742	759	798	836	979	1023	1137	1175	1265	1354	1384	1474	1580	1580
kz		787	848	848	854	881	967	967										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
da_m					250	250	300	300	350	350	350	350	400	450	450	550	550	

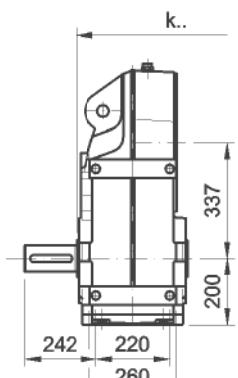
5. SP4



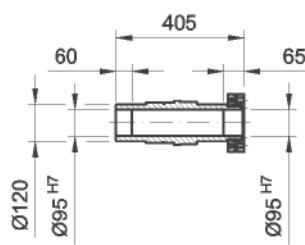
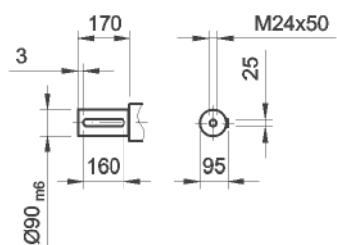
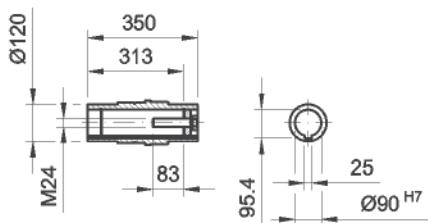
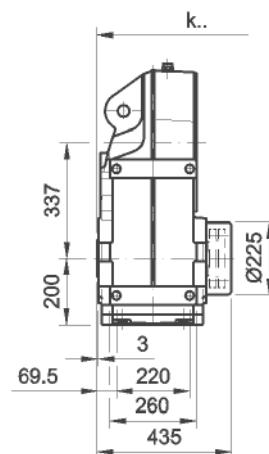
SPZH76..F..



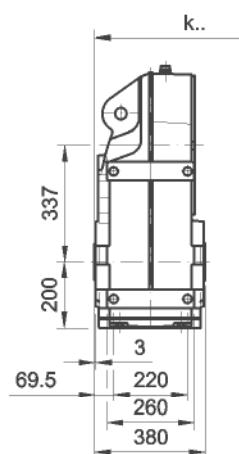
SPZN76..F..



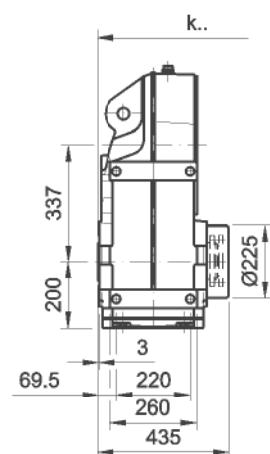
SPZS76..F..



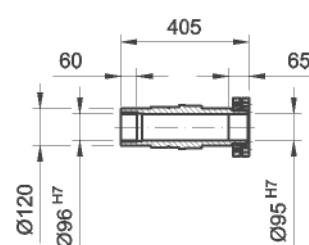
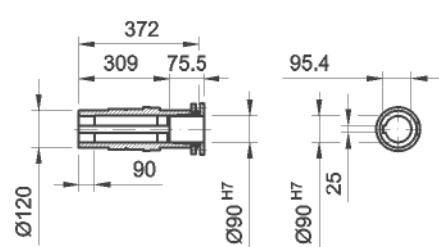
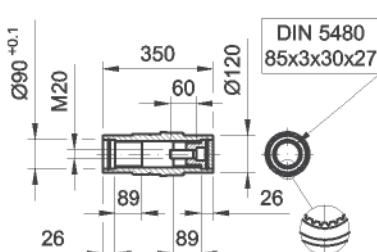
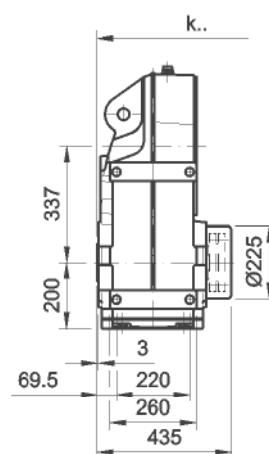
SPZT76..F..



SPZB76..F..

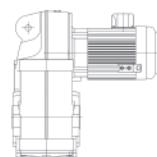


SPZC76..F..

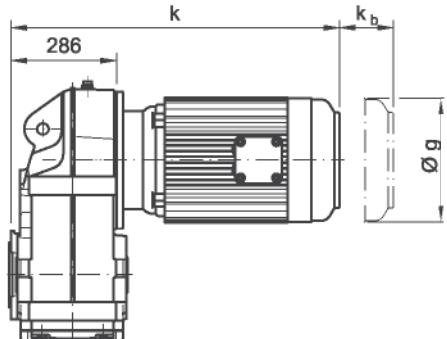




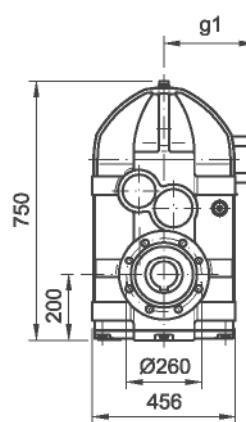
5. SP4



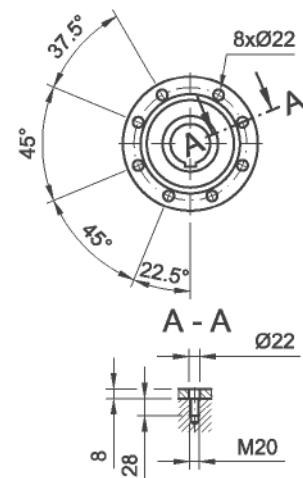
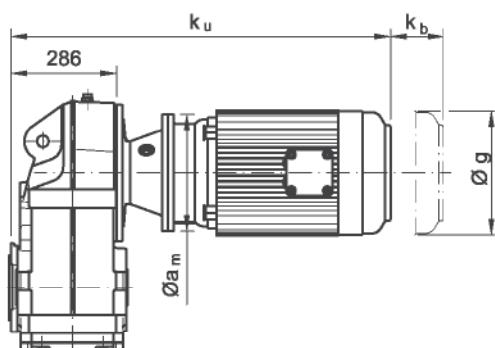
SPT..76B/C
100 - 225



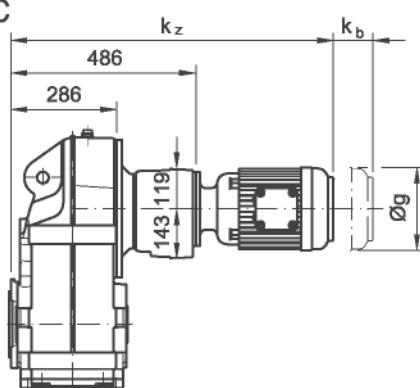
SPT..76..



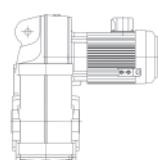
SPT..76B/C-U
100 - 280



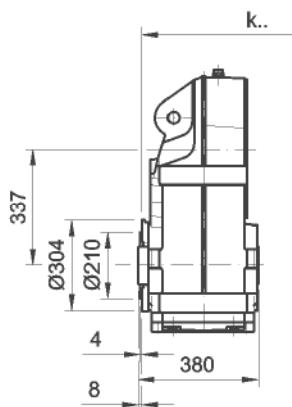
SPT..76B/C36B/C
63 - 160



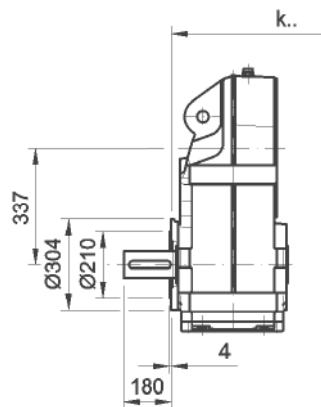
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						652	639	639	810	810	869	869						
ku					734	751	790	828	971	1015	1129	1167	1257	1346	1376	1466	1572	1572
kz		779	840	840	846	873	959	959										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
da_m					250	250	300	300	350	350	350	350	400	450	450	550	550	



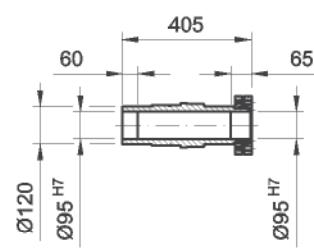
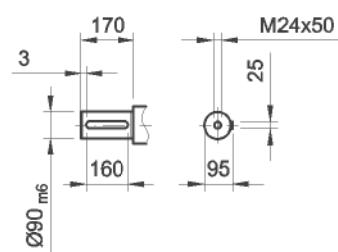
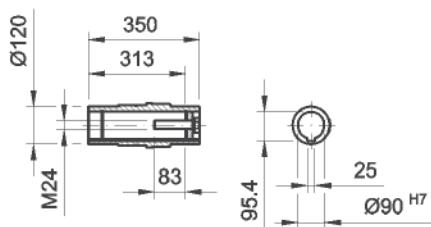
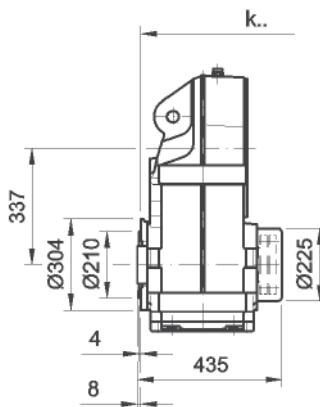
SPTH76..



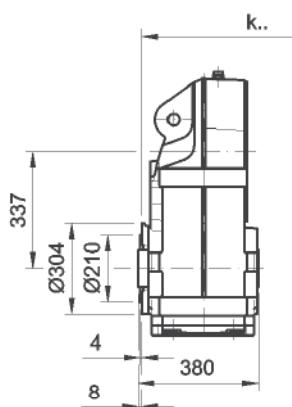
SPTN76..



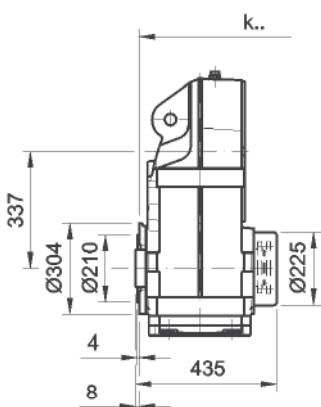
SPTS76..



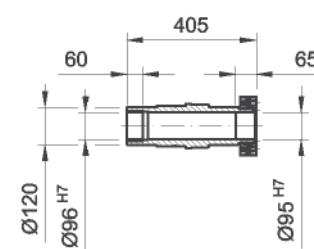
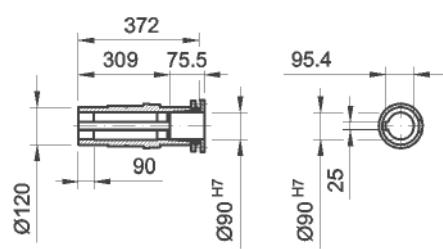
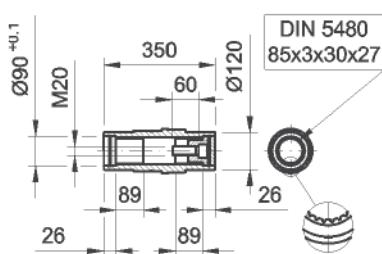
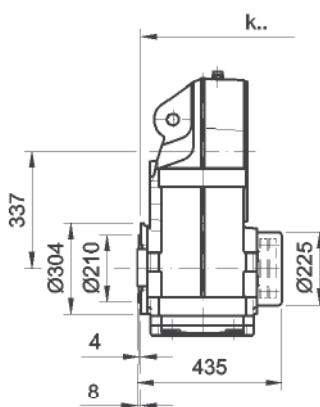
SPTT76..



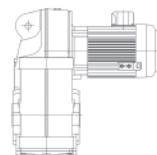
SPTB76..



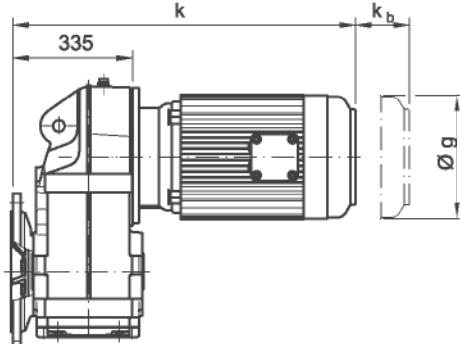
SPTC76..



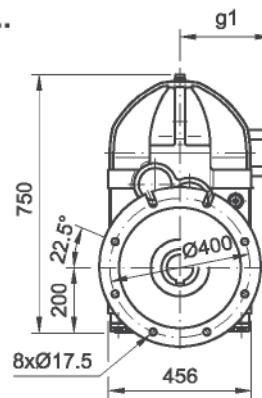
5. SP4



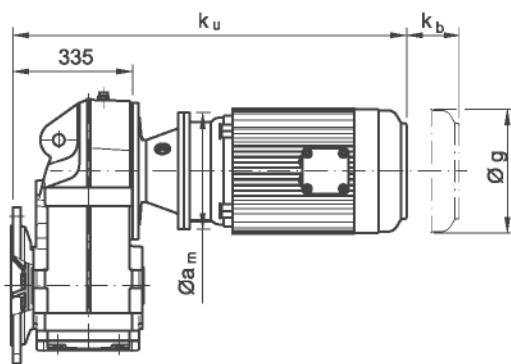
SPF..76B/C
100 - 225



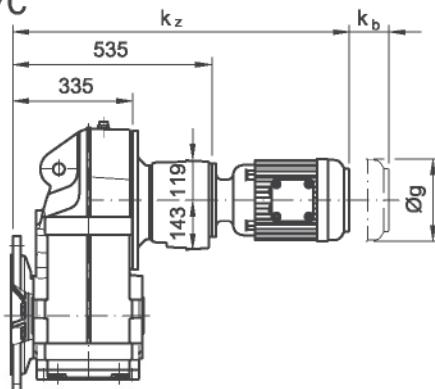
SPF..76..



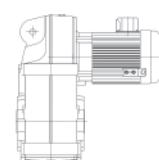
SPF..76B/C-U
100 - 280



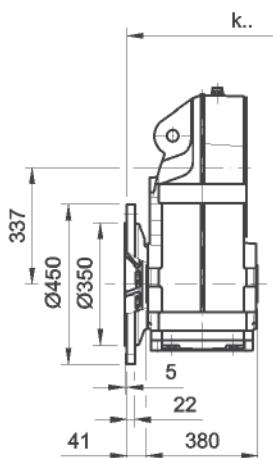
SPF..76B/C36B/C
63 - 160



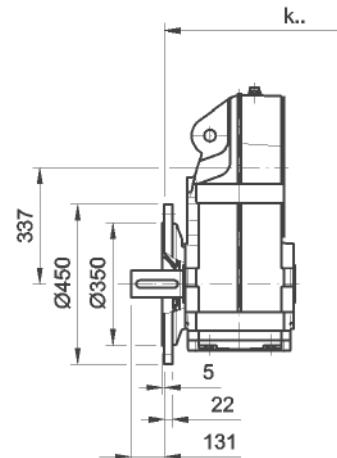
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						701	688	688	859	859	918	918						
ku					783	800	839	877	1020	1064	1178	1216	1306	1395	1425	1515	1621	1621
kz		828	889	889	895	922	1008	1008										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
da_m					250	250	300	300	350	350	350	350	400	450	450	550	550	



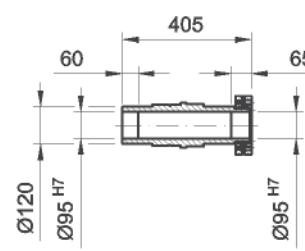
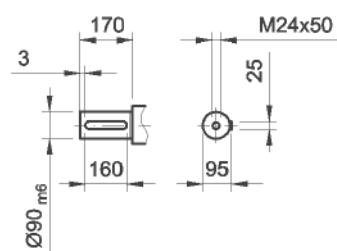
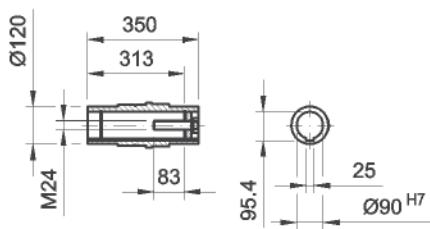
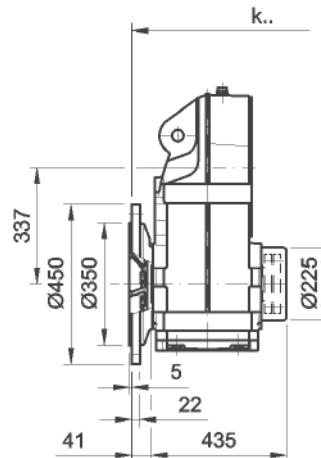
SPFH76..



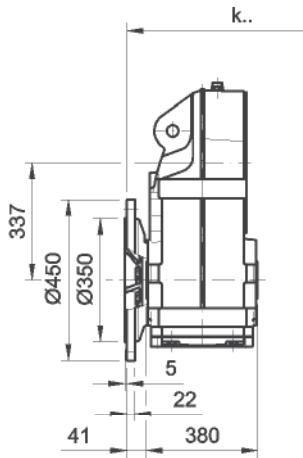
SPFN76..



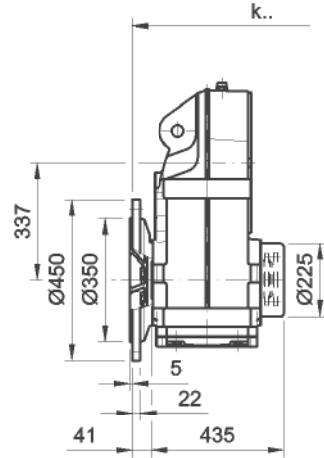
SPFS76..



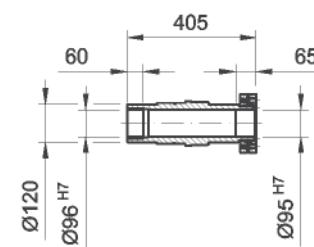
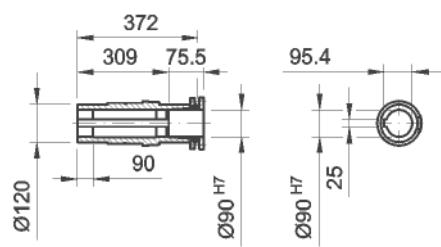
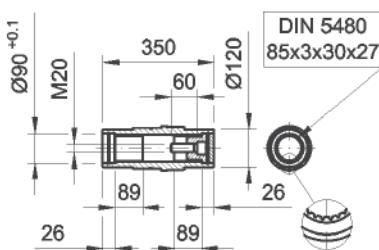
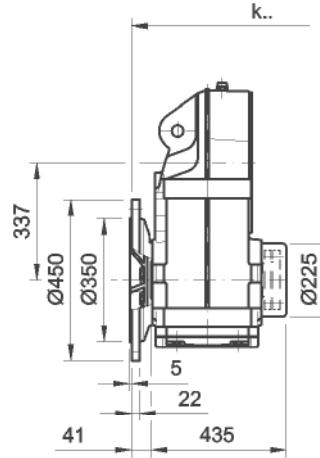
SPFT76..



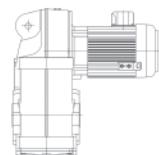
SPFB76..



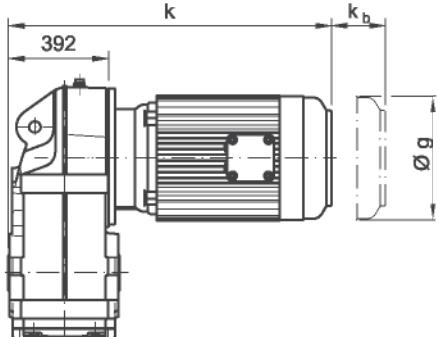
SPFC76..



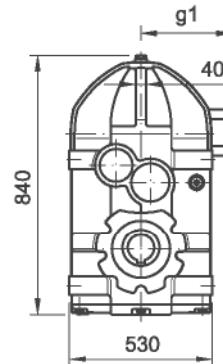
5. SP4



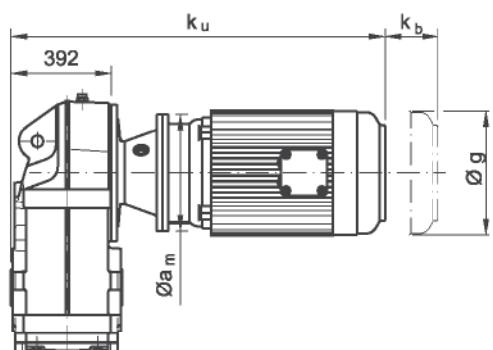
SPZ..86B/C
100 - 225



SPZ..86..

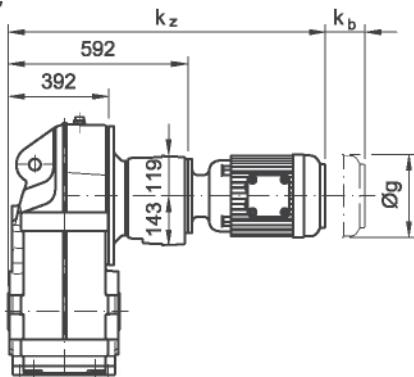


SPZ..86B/C-U
100 - 280

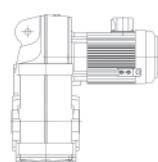


SPZ..86B/C36B/C

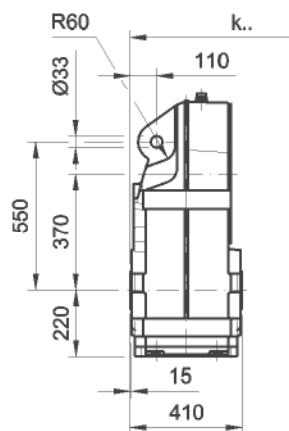
63 - 160



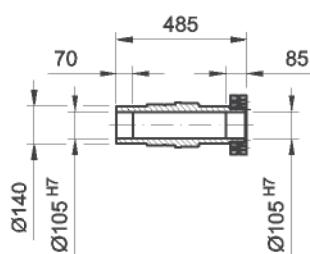
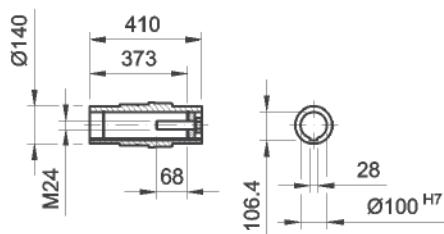
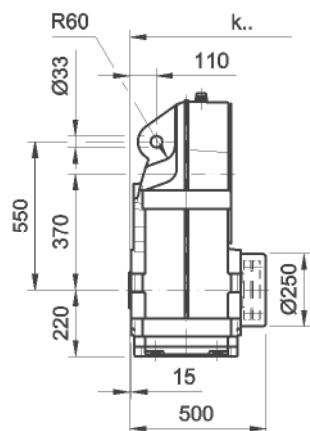
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						758	745	745	916	916	975	975						
ku						840	857	896	934	1077	1121	1235	1273	1363	1452	1482	1572	1678
kz		885	946	946	952	979	1065	1065										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
da_m					250	250	300	300	350	350	350	350	400	450	450	550	550	



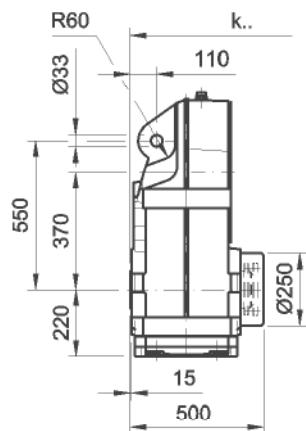
SPZH86..



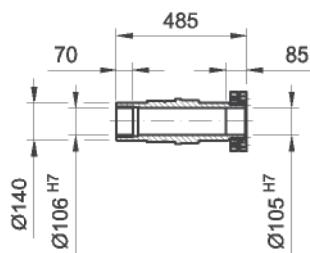
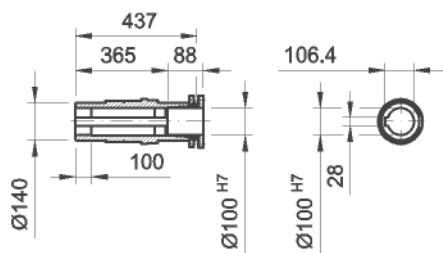
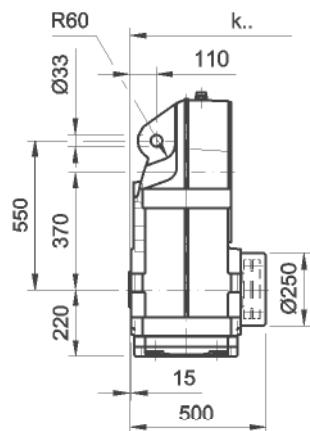
SPZS86..



SPZB86..

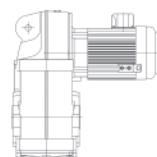


SPZC86..

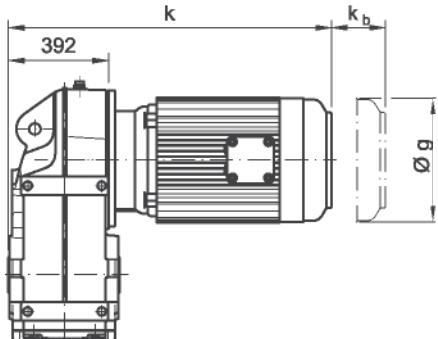




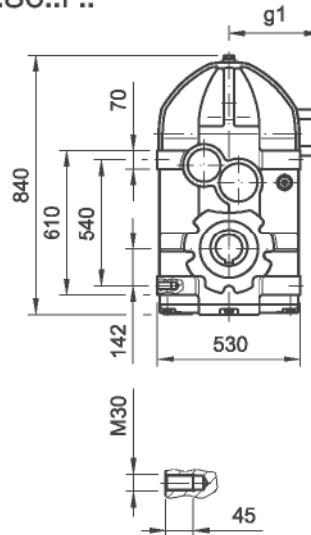
5. SP4



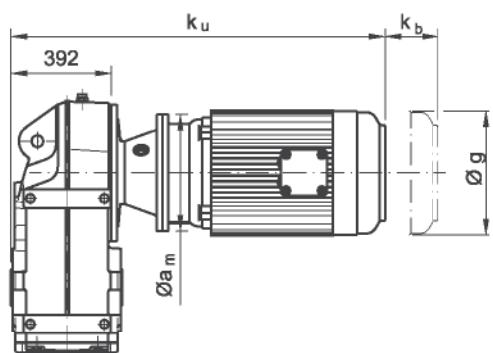
SPZ..86B/CF
100 - 225



SPZ..86..F..

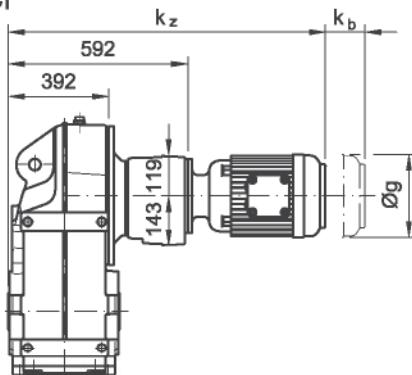


SPZ..86B/CF-U
100 - 280

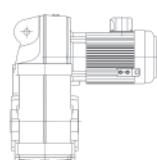


SPZ..86B/C36B/CF

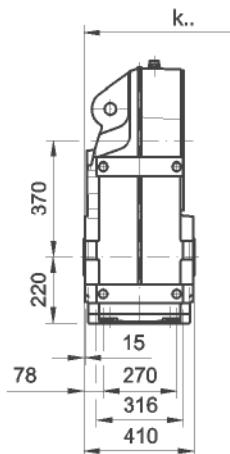
63 - 160



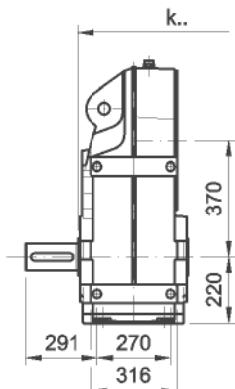
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						758	745	745	916	916	975	975						
k _u					840	857	896	934	1077	1121	1235	1273	1363	1452	1482	1572	1678	1678
k _z		885	946	946	952	979	1065	1065										
k _c																		
k _b	56	89	101	101	90	89	109	109	128	128	151	151						
øg		156	174	174	196	213	255	255	314	314	354	354						
g ₁	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	



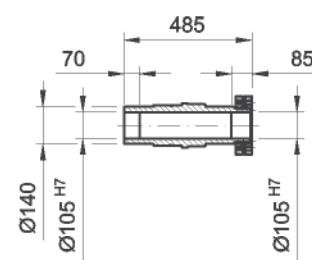
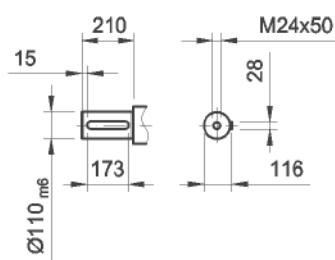
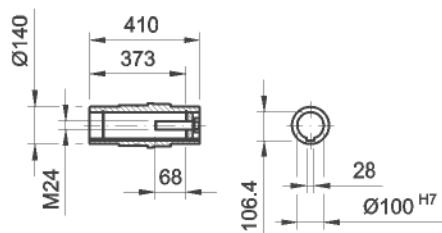
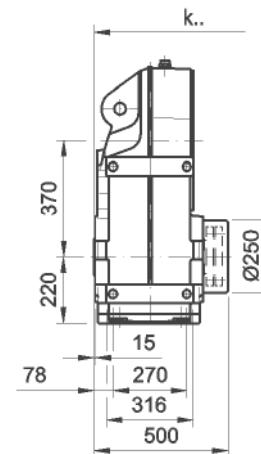
SPZH86..F..



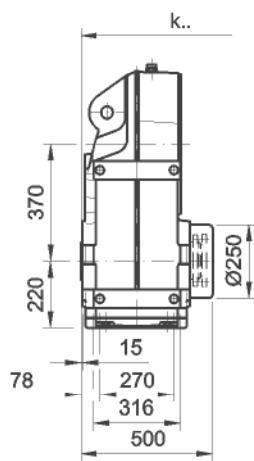
SPZN86..F..



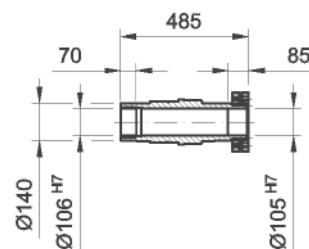
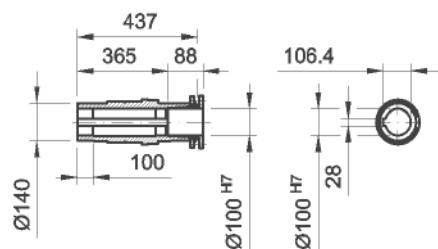
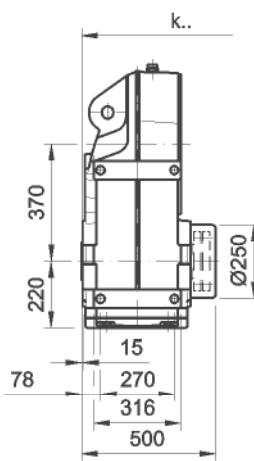
SPZS86..F..



SPZB86..F..

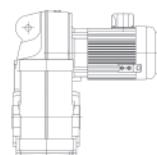


SPZC86..F..

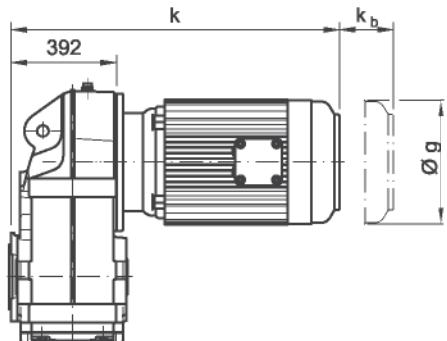




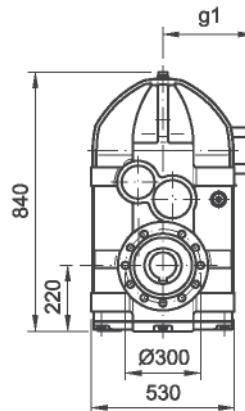
5. SP4



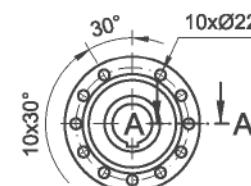
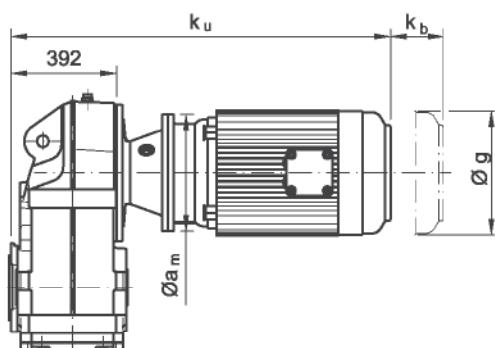
SPT..86B/C
100 - 225



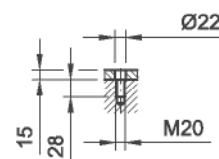
SPT..86..



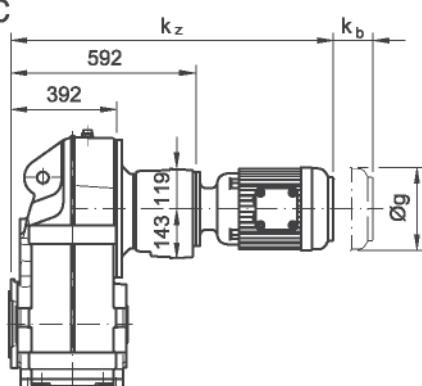
SPT..86B/C-U
100 - 280



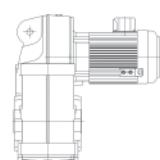
A - A



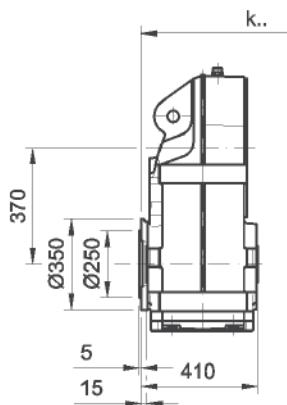
SPT..86B/C36B/C
63 - 160



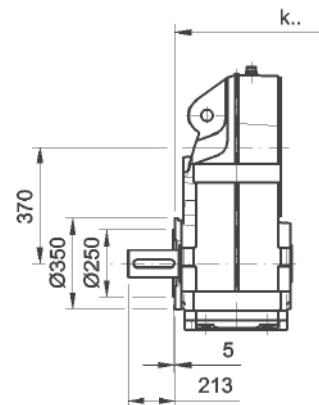
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						758	745	745	916	916	975	975						
ku					840	857	896	934	1077	1121	1235	1273	1363	1452	1482	1572	1678	1678
kz		885	946	946	952	979	1065	1065										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
øg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	



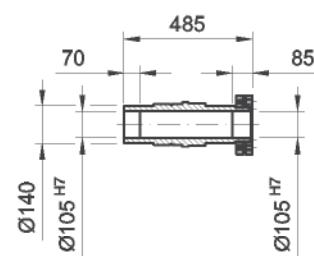
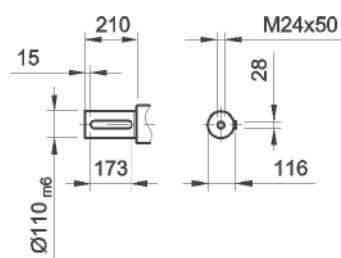
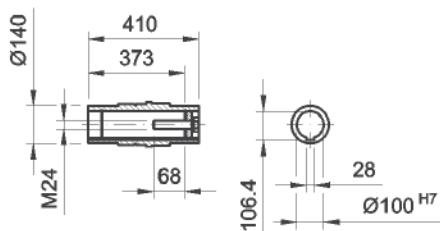
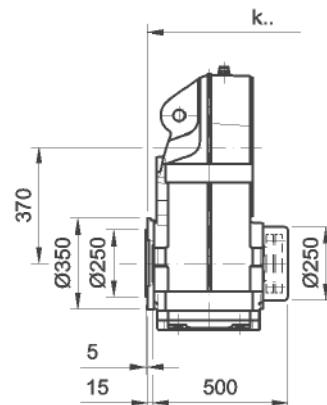
SPTH86..



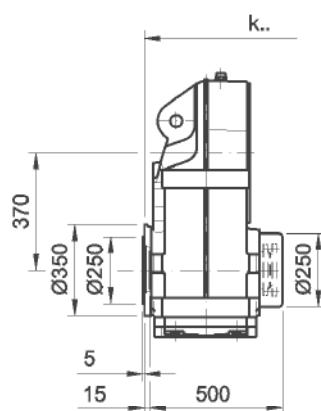
SPTN86..



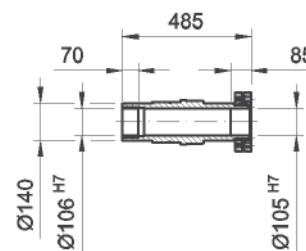
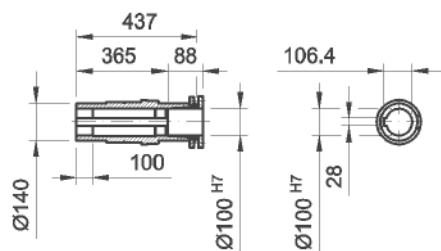
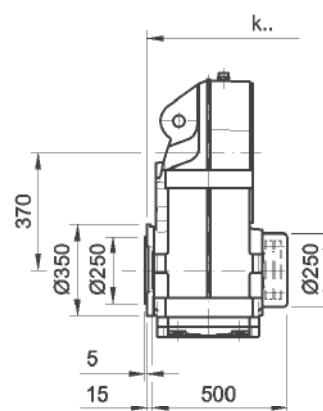
SPTS86..



SPTB86..

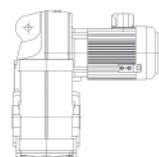


SPTC86..

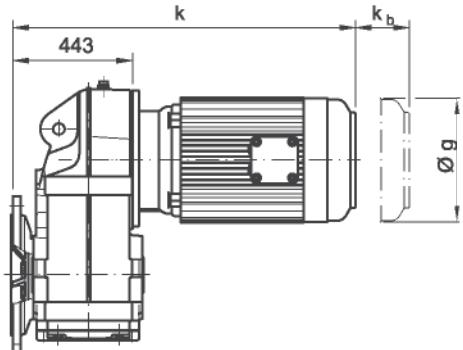




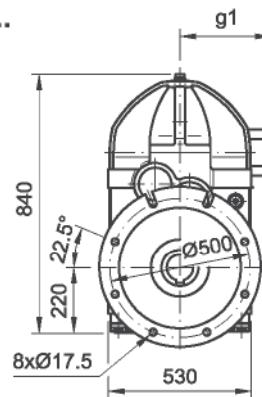
5. SP4



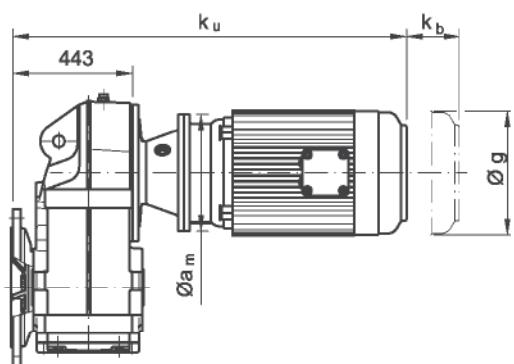
SPF 86B/C
100 - 225



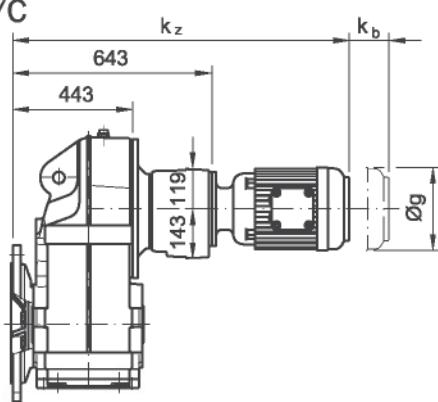
SPF..86..



SPF..86B/C-U
100 - 280

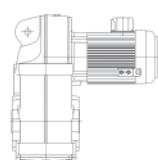


SPF..86B/C36B/C
63 - 160

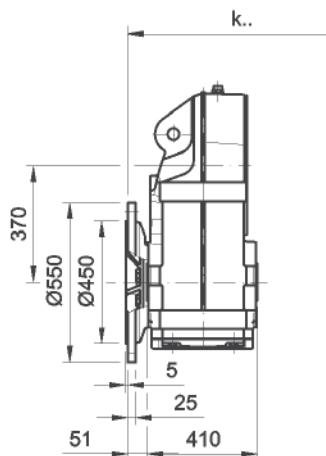


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						809	796	796	967	967	1026	1026						
ku																		
kz		936	997	997	1003	1030	1116	1116										
kc																		
kb	56	89	101	101	90	89	109	109	128	128	151	151						
dg		156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	

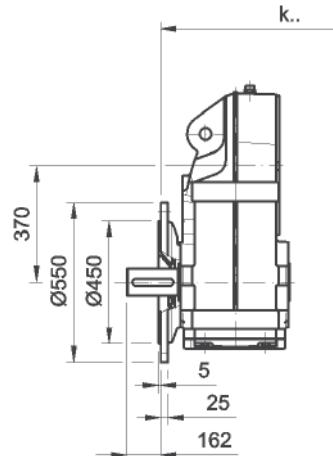
5. SP4



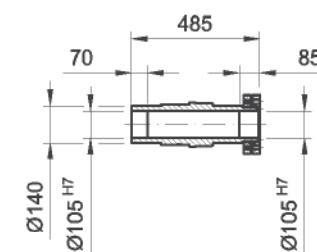
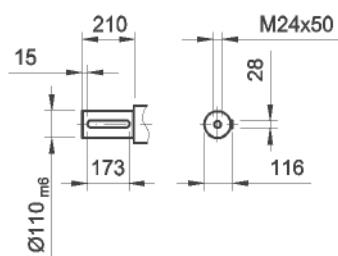
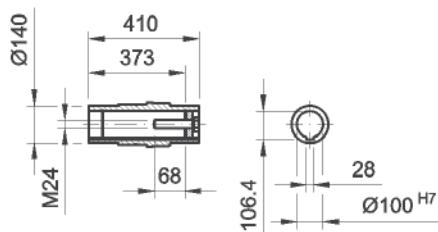
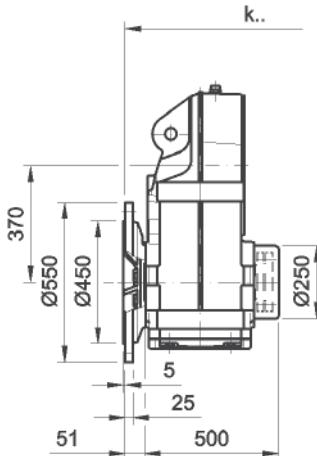
SPFH86..



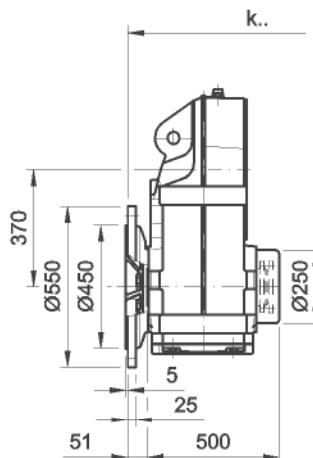
SPFN86..



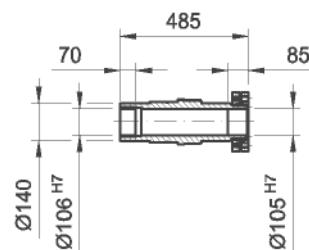
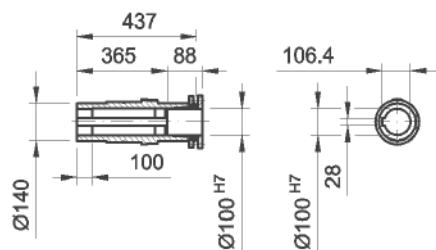
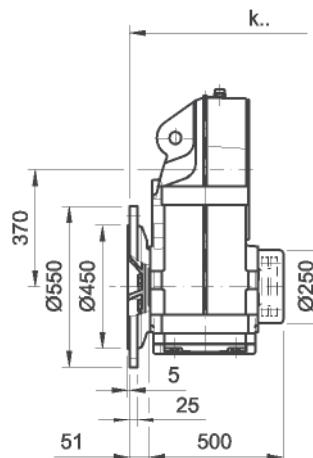
SPFS86..



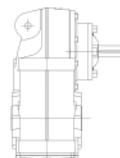
SPFB86..



SPFC86..



5. SP4



5.6 Auswahl Getriebe SP4

Selection of gear unit SP4

Sélection d'un réducteur SP4

Beispiel: Auswahltabellen Getriebe

Example: Gear unit selection table

Exemple de tableau de sélection pour réducteurs

		Getriebeart und -größe Gear unit type and size Type et taille du réducteur		Synchrongeschwindigkeit des Motors Synchronous speed of motor Vitesse synchrone du moteur		Gewichte Weights Poids		Abmessungen Seite Dimensional drawings Cotes latérales		Max. Nenndrehmoment Max. rated torque Couple nominal maxi.	
SP..16		Type SP..16... -I SP..16... -U	m [kg]	25	27	M310	200 Nm				
Type	...	n _{syn} = i _{ex}	1500 min ⁻¹			1000 1/min			750 1/min		
2,8											
3,15											
3,55	3,47	433	4,0	88	2610		289	4,0	132	2690	
4	3,97	378	4,0	101	2630		252	4,0	152	2640	
4,5	4,26	352	4,1	112	2650		235	4,1	165	2700	
5	4,90	306	4,0	125	2670		204	3,5	165	2840	
5,6	5,67	265	4,0	144	2620		177	3,0	165	3000	

Zulässige Radialkraft für verstärkte Lagerung

Permissible radial force for reinforced bearings

Force radiale admissible pour paliers

support renforcés

Zulässige Radialkraft

Permissible radial force

Force radiale admissible

Drehmoment an der Abtriebswelle

Torque at output shaft

Couple au niveau de l'arbre de sortie

Mechanische Nennleistung des Getriebes

Mechanical rated power of gear unit

Puissance nominale mécanique du réducteur

Auswahlgeschwindigkeit der Abtriebswelle

Selection speed of output shaft

Vitesse de l'arbre de sortie

Exakte Übersetzung

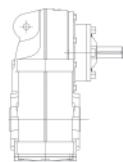
Exact gear ratio

Valeur exacte du rapport de démultiplication

Nenn Übersetzung

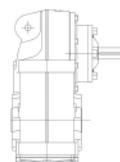
Rated gear ratio

Réduction nominale

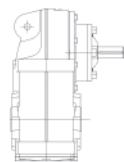


SP..16			Type SP...16... -I SP...16... -U				m [kg]				230 Nm						
Type	...	n _{syn} = i _{ex}	1500 min ⁻¹					1000 1/min					750 1/min				
			n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
SP...16B...	2.8																
	3.15																
	3.55	3.47	433	7.5	165	2610		289	5.0	165	2690		216	3.7	165	2770	
	4	3.97	378	6.5	165	2630		252	4.3	165	2640		189	3.3	165	2910	
	4.5	4.26	352	6.1	165	2650		235	4.1	165	2700		176	3.0	165	3080	
	5	4.90	306	5.3	165	2670		204	3.5	165	2840		153	2.6	165	3280	
	5.6	5.67	265	4.6	165	2620		177	3.0	165	3000		132	2.3	165	3460	
	6.3	6.10	246	4.2	165	2670		164	2.8	165	3180		123	2.1	165	3660	
	7.1	6.59	228	3.9	165	2770		152	2.6	165	3400		114	2.0	165	3900	
	8	7.73	194	3.4	165	2910		129	2.2	165	3590		97	1.7	165	4090	
	9	8.46	177	4.3	230	2910		118	2.8	230	3460		89	2.1	230	4000	
	10	9.69	155	3.7	230	2930		103	2.5	230	3640		77	1.9	230	4210	
	11.2	10.39	144	3.5	230	3100		96	2.3	230	3860		72	1.7	230	4440	
	12.5	11.95	126	3.0	230	3310		84	2.0	230	4080		63	1.5	230	4680	
	14	13.82	109	2.6	230	3550		72	1.7	230	4310		54	1.3	230	4920	
	16	16.08	93	2.2	230	3760		62	1.5	230	4570		47	1.1	230	5000	
	18	18.87	79	1.9	230	4000		53	1.3	230	4840		40	0.96	230	5000	
	20	20.52	73	1.8	230	4210		49	1.2	230	5000		37	0.88	230	5000	
	22.4	22.40	67	1.6	230	4440		45	1.1	230	5000		33	0.81	230	5000	
	25	24.55	61	1.5	230	4680		41	0.98	230	5000		31	0.74	230	5000	
	28	27.02	56	1.3	230	5000		37	0.89	230	5000		28	0.67	230	5000	
	31.5	29.91	50	1.2	230	5000		33	0.81	230	5000		25	0.60	230	5000	
	35.5	37.42	40	1.0	230	5000		27	0.64	230	5000		20	0.48	230	5000	
	40	41.65	36	0.87	230	5000		24	0.58	230	5000		18	0.43	230	5000	
	45	46.58	32	0.78	230	5000		21	0.52	230	5000		16	0.39	230	5000	
	50	49.00	31	0.74	230	5000		20	0.49	230	5000		15	0.37	230	5000	
	56	54.15	28	0.67	230	5000		18	0.44	230	5000		14	0.33	230	5000	
	63	60.33	25	0.60	230	5000		17	0.40	230	5000		12	0.30	230	5000	
	71	74.98	20	0.48	230	5000		13	0.32	230	5000		10	0.24	230	5000	
	80	83.24	18	0.43	230	5000		12	0.29	230	5000		9.0	0.22	230	5000	
	90	93.33	16	0.39	230	5000		11	0.26	230	5000		8.0	0.19	230	5000	
	100																
SP...16C...	35.5																
	40																
	45																
	50																
	56																
	63																
	71																
	80																
	90																
	100																
	112																
	125																
	140																
	160																
	180																
	200																
	224																
	250																
	280																
	315																
SP...16B16B...	100	97.10	15	0.37	230	5000		10	0.25	230	5000		7.7	0.19	230	5000	
	112	113.0	13	0.32	230	5000		8.8	0.21	230	5000		6.6	0.16	230	5000	
	125	129.2	12	0.28	230	5000		7.7	0.19	230	5000		5.8	0.14	230	5000	
	140	139.3	11	0.26	230	5000		7.2	0.17	230	5000		5.4	0.13	230	5000	
	160	162.1	9.3	0.22	230	5000		6.2	0.15	230	5000		4.6	0.11	230	5000	
	180	174.9	8.6	0.21	230	5000		5.7	0.14	230	5000		4.3	0.10	230	5000	
	200	205.1	7.3	0.18	230	5000		4.9	0.12	230	5000		3.7	0.09	230	5000	
	224	223.3	6.7	0.16	230	5000		4.5	0.11	230	5000		3.4	0.08	230	5000	
	250	252.6	5.9	0.14	230	5000		4.0	0.10	230	5000		3.0	0.07	230	5000	
	280	279.7	5.4	0.13	230	5000		3.6	0.09	230	5000		2.7	0.06	230	5000	
	315	325.4	4.6	0.11	230	5000		3.1	0.07	230	5000		2.3	0.06	230	5000	
	355	362.5	4.1	0.10	230	5000		2.8	0.07	230	5000		2.1	0.05	230	5000	
	400	407.1	3.7	0.09	230	5000		2.5	0.06	230	5000		1.8	0.04	230	5000	
	450	453.0	3.3	0.08	230	5000		2.2	0.05	230	5000		1.7	0.04	230	5000	
	500	506.7	3.0	0.07	230	5000		2.0	0.05	230	5000		1.5	0.04	230	5000	
	560	564.1	2.7	0.06	230	5000		1.8	0.04	230	5000		1.3	0.03	230	5000	
	630	606.3	2.5	0.06	230	5000		1.6	0.04	230	5000		1.2	0.03	230	5000	
	710	677.3	2.2	0.05	230	5000		1.5	0.04	230	5000		1.1	0.03	230	5000	
	800	815.5	1.8	0.04	230	5000		1.2	0.03	230	5000		0.9	0.02	230	5000	
	900																
	1000																
	1120																

5. SP4

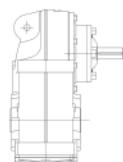


SP..26			Type SP...26... -I SP...26... -U				m [kg] 25 27				440 Nm						
Type	...	n _{syn} =	1500 min ⁻¹					1000 1/min					750 1/min				
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
2.8																	
3.15																	
3.55																	
4																	
4.5	4.65	323	7.4	220	1500	6900	215	5.0	220	2000	6900	161	3.7	220	2500	6900	
5	5.33	281	6.5	220	2000	6900	188	4.3	220	2500	6900	141	3.2	220	2500	6900	
5.6	5.71	263	6.0	220	2000	6900	175	4.0	220	2500	6900	131	3.0	220	3000	6900	
6.3	6.57	228	5.3	220	2000	6900	152	3.5	220	2500	6900	114	2.6	220	3000	6900	
7.1	7.60	197	4.5	220	2500	6900	132	3.0	220	3000	6900	99	2.3	220	3500	6900	
8	8.19	183	4.2	220	2500	6900	122	2.8	220	3000	6900	92	2.1	220	3500	6900	
9	9.36	160	7.2	430	1000	6900	107	4.8	430	2000	6900	80	3.6	430	2000	6900	
10	10.73	140	6.4	435	1500	6900	93	4.2	435	2000	6900	70	3.2	435	2500	6900	
11.2	11.50	130	6.0	440	1500	6900	87	4.0	440	2000	6900	65	3.0	440	2500	6900	
12.5	13.23	113	5.2	440	1500	6900	76	3.5	440	2000	6900	57	2.6	440	3000	6900	
14	15.30	98	4.5	440	2000	6900	65	3.0	440	2500	6900	49	2.3	440	3000	6900	
16	16.49	91	4.2	440	2000	6900	61	2.8	440	2500	6900	45	2.1	440	3500	6900	
18	17.80	84	3.9	440	2000	6900	56	2.6	440	3000	6900	42	1.9	440	3500	6900	
20	20.89	72	3.3	440	2500	6900	48	2.2	440	3000	6900	36	1.7	440	4000	6900	
22.4	22.72	66	3.0	440	2500	6900	44	2.0	440	3500	6900	33	1.5	440	4000	6900	
25	27.18	55	2.5	440	3000	6900	37	1.7	440	3500	6900	28	1.3	440	4500	6900	
28	29.92	50	2.3	440	3000	6900	33	1.5	440	4000	6900	25	1.2	440	4500	6900	
31.5	33.11	45	2.1	440	3500	6900	30	1.4	440	4500	6900	23	1.0	440	4500	6900	
35.5	36.89	41	1.9	440	3500	6900	27	1.2	440	4500	6900	20	0.94	440	4500	6900	
40	41.43	36	1.7	440	4000	6900	24	1.1	440	4500	6900	18	0.83	440	4500	6900	
45	46.12	33	1.5	440	4000	6900	22	1.0	440	4500	6900	16	0.75	440	4500	6900	
50	51.57	29	1.3	440	4500	6900	19	0.89	440	4500	6900	15	0.67	440	4500	6900	
56	59.95	25	1.2	440	4500	6900	17	0.77	440	4500	6900	13	0.58	440	4500	6900	
63	66.79	22	1.0	440	4500	6900	15	0.69	440	4500	6900	11	0.52	440	4500	6900	
71	68.94	22	0.83	365	4500	6900	15	0.55	365	4500	6900	11	0.42	365	4500	6900	
80	83.01	18	0.68	360	4500	6900	12	0.45	360	4500	6900	9.0	0.34	360	4500	6900	
90	92.15	16	0.57	335	4500	6900	11	0.38	335	4500	6900	8.1	0.29	335	4500	6900	
100	103.33	15	0.47	310	4500	6900	10	0.31	310	4500	6900	7.3	0.24	310	4500	6900	
35.5																	
40																	
45																	
50																	
56																	
63																	
71																	
80																	
90																	
100																	
112																	
125																	
140																	
160																	
180																	
200																	
224																	
250																	
280																	
315																	
SP...26B16B...	100	101.80	15	0.68	440	4500	6900	10	0.45	440	4500	6900	7.4	0.34	440	4500	6900
	112	108.1	14	0.64	440	4500	6900	9.3	0.43	440	4500	6900	6.9	0.32	440	4500	6900
	125	125.1	12	0.55	440	4500	6900	8.0	0.37	440	4500	6900	6.0	0.28	440	4500	6900
	140	143.9	10	0.48	440	4500	6900	6.9	0.32	440	4500	6900	5.2	0.24	440	4500	6900
	160	154.2	9.7	0.45	440	4500	6900	6.5	0.30	440	4500	6900	4.9	0.22	440	4500	6900
	180	179.4	8.4	0.39	440	4500	6900	5.6	0.26	440	4500	6900	4.2	0.19	440	4500	6900
	200	195.2	7.7	0.35	440	4500	6900	5.1	0.24	440	4500	6900	3.8	0.18	440	4500	6900
	224	227.1	6.6	0.30	440	4500	6900	4.4	0.20	440	4500	6900	3.3	0.15	440	4500	6900
	250	247.2	6.1	0.28	440	4500	6900	4.0	0.19	440	4500	6900	3.0	0.14	440	4500	6900
	280	273.8	5.5	0.25	440	4500	6900	3.7	0.17	440	4500	6900	2.7	0.13	440	4500	6900
	315	309.6	4.8	0.22	440	4500	6900	3.2	0.15	440	4500	6900	2.4	0.11	440	4500	6900
	355	360.3	4.2	0.19	440	4500	6900	2.8	0.13	440	4500	6900	2.1	0.10	440	4500	6900
	400	401.4	3.7	0.17	440	4500	6900	2.5	0.11	440	4500	6900	1.9	0.09	440	4500	6900
	450	450.7	3.3	0.15	440	4500	6900	2.2	0.10	440	4500	6900	1.7	0.08	440	4500	6900
	500	501.6	3.0	0.14	440	4500	6900	2.0	0.09	440	4500	6900	1.5	0.07	440	4500	6900
	560	561.0	2.7	0.12	440	4500	6900	1.8	0.08	440	4500	6900	1.3	0.06	440	4500	6900
	630	624.5	2.4	0.11	440	4500	6900	1.6	0.07	440	4500	6900	1.2	0.06	440	4500	6900
	710	726.6	2.1	0.10	440	4500	6900	1.4	0.06	440	4500	6900	1.0	0.05	440	4500	6900
	800	749.8	2.0	0.09	440	4500	6900	1.3	0.06	440	4500	6900	1.0	0.05	440	4500	6900
	900	902.9	1.7	0.08	440	4500	6900	1.1	0.05	440	4500	6900	0.83	0.04	440	4500	6900
	1000																
	1100																

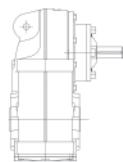


SP..36			Type SP...36... -I SP...36... -U				m [kg] 34 38		M326		850 Nm						
Type	...	n _{syn} =	1500 min ⁻¹				1000 1/min				750 1/min						
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
SP....36B...	2.8																
	3.15	2.97	505	19.3(1)	365	1500	9450	337	12.9(1)	365	1500	10330	253	9.7	365	2000	11480
	3.55	3.45	435	16.6(1)	365	1500	6580	290	11	365	2000	10840	218	8.3	365	2000	12060
	4	3.86	389	16.7(1)	410	1500	9710	259	11	410	1500	11020	194	8.3	410	2000	12180
	4.5	4.42	339	14.8(1)	415	1000	9830	226	9.8	415	2000	11540	170	7.4	415	2000	12660
	5	4.85	309	13.4(1)	415	1500	10230	206	9.0	415	2000	11940	155	6.7	415	2500	13250
	5.6	5.60	268	11.6(1)	415	1500	10670	179	7.8	415	2000	12420	134	5.8	415	2500	13500
	6.3	6.19	242	10.5(1)	415	1500	11140	162	7.0	415	2500	13500	121	5.3	415	3000	13500
	7.1	6.87	218	9.5(1)	415	2000	11300	146	6.3	415	2500	13390	109	4.7	415	3000	13500
	8	8.07	186	14.4(1)	740	500	11620	124	9.6	740	1500	13500	93	7.2	740	2000	13500
	9	9.37	160	13.4(1)	800	500	11830	107	8.9	800	1000	13500	80	6.7	800	2000	13500
	10	10.49	143	12.7(1)	850	500	12360	95	8.5	850	1000	13500	71	6.4	850	1500	13500
	11.2	12.01	125	11	850	500	12950	83	7.4	850	1500	13500	62	5.6	850	2000	13500
	12.5	13.18	114	10	850	500	13500	76	6.8	850	1500	13500	57	5.1	850	2000	13500
	14	15.23	98	8.8	850	1000	13500	66	5.8	850	2000	13500	49	4.4	850	2500	13500
	16	16.83	89	7.9	850	1000	13500	59	5.3	850	2000	13500	45	4.0	850	3000	13500
	18	18.68	80	7.1	850	1500	13500	54	4.8	850	2500	13500	40	3.6	850	3000	13500
	20	20.01	75	6.7	850	1500	13500	50	4.4	850	2500	13500	37	3.3	850	3500	13500
	22.4	23.40	64	5.7	850	2000	13500	43	3.8	850	3000	13500	32	2.9	850	4000	13500
	25	25.20	60	5.3	850	2000	13500	40	3.5	850	3500	13500	30	2.6	850	4000	13500
	28	28.62	52	4.7	850	2500	13500	35	3.1	850	3500	13500	26	2.3	850	4500	13500
	31.5	32.41	46	4.1	850	3000	13500	31	2.7	850	4000	13500	23	2.1	850	4500	13500
	35.5	35.34	42	3.8	850	3000	13500	28	2.5	850	4500	13500	21	1.9	850	4500	13500
	40	40.91	37	3.3	850	3500	13500	24	2.2	850	4500	13500	18	1.6	850	4500	13500
	45	45.17	33	3.0	850	4000	13500	22	2.0	850	4500	13500	17	1.5	850	4500	13500
	50	54.05	28	2.5	850	4000	13500	19	1.6	850	4500	13500	14	1.2	850	4500	13500
	56	60.18	25	2.2	850	4500	13500	17	1.5	850	4500	13500	12	1.1	850	4500	13500
	63	66.57	23	2.0	850	4500	13500	15	1.3	850	4500	13500	11	1.0	850	4500	13500
	71	73.95	20	1.8	850	4500	13500	14	1.2	850	4500	13500	10	0.90	850	4500	13500
	80	77.94	19	1.7	850	4500	13500	13	1.1	850	4500	13500	9.6	0.86	850	4500	13500
	90	85.68	18	1.6	850	4500	13500	12	1.0	850	4500	13500	8.8	0.78	850	4500	13500
	100	106.33	14	1.2	800	4500	13500	9.4	0.79	800	4500	13500	7.1	0.59	800	4500	13500
SP....36C...	35.5																
	40																
	45																
	50																
	56																
	63																
	71																
	80																
	90																
	100																
	112																
	125																
	140																
	160																
	180																
	200																
	224																
	250																
	280																
	315																
SP....36B16B...	100	99.85	15	1.3	850	4500	13500	10.0	0.89	850	4500	13500	7.5	0.67	850	4500	13500
	112	107.0	14	1.2	850	4500	13500	9.3	0.83	850	4500	13500	7.0	0.62	850	4500	13500
	125	123.1	12	1.1	850	4500	13500	8.1	0.72	850	4500	13500	6.1	0.54	850	4500	13500
	140	142.3	11	0.94	850	4500	13500	7.0	0.63	850	4500	13500	5.3	0.47	850	4500	13500
	160	153.5	9.8	0.87	850	4500	13500	6.5	0.58	850	4500	13500	4.9	0.43	850	4500	13500
	180	183.1	8.2	0.73	850	4500	13500	5.5	0.49	850	4500	13500	4.1	0.36	850	4500	13500
	200	194.3	7.7	0.69	850	4500	13500	5.1	0.46	850	4500	13500	3.9	0.34	850	4500	13500
	224	219.0	6.9	0.61	850	4500	13500	4.6	0.41	850	4500	13500	3.4	0.30	850	4500	13500
	250	252.9	5.9	0.53	850	4500	13500	4.0	0.35	850	4500	13500	3.0	0.26	850	4500	13500
	280	278.3	5.4	0.48	850	4500	13500	3.6	0.32	850	4500	13500	2.7	0.24	850	4500	13500
	315	308.2	4.9	0.43	850	4500	13500	3.2	0.29	850	4500	13500	2.4	0.22	850	4500	13500
	355	343.3	4.4	0.39	850	4500	13500	2.9	0.26	850	4500	13500	2.2	0.19	850	4500	13500
	400	385.5	3.9	0.35	850	4500	13500	2.6	0.23	850	4500	13500	1.9	0.17	850	4500	13500
	450	440.2	3.4	0.30	850	4500	13500	2.3	0.20	850	4500	13500	1.7	0.15	850	4500	13500
	500	483.0	3.1	0.28	850	4500	13500	2.1	0.18	850	4500	13500	1.6	0.14	850	4500	13500
	560	557.8	2.7	0.24	850	4500	13500	1.8	0.16	850	4500	13500	1.3	0.12	850	4500	13500
	630	621.5	2.4	0.21	850	4500	13500	1.6	0.14	850	4500	13500	1.2	0.11	850	4500	13500
	710	733.2	2.0	0.18	850	4500	13500	1.4	0.12	850	4500	13500	1.0	0.09	850	4500	13500
	800	816.8	1.8	0.16	850	4500	13500	1.2	0.11	850	4500	13500	0.92	0.08	850	4500	13500
	900	947.8	1.6	0.14	850	4500	13500	1.1	0.09	850	4500	13500	0.79	0.07	850	4500	13500
	1000	1015	1	0.13	850	4500	13500	1.0	0.09	850	4500	13500	0.74	0.07	850	4500	13500
	1120				</td												

5. SP4



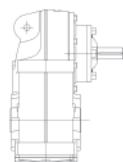
SP..46			Type SP...46... -I		m [kg] 70		M334		1700 Nm								
Type	...	n _{syn} = i _{ex}	1500 min ⁻¹				1000 1/min				750 1/min						
			n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
SP....46B...	2.8	3.29	495	23.3(1)	450	2000	10780	304	17	525	2000	12090	228	14	580	2500	13140
	3.15	3.29	456	23.4(1)	490	2000	10780	304	17	585	2000	12310	206	14	645	2000	13360
	3.55	3.64	412	22.9(1)	530	2000	10930	274	17	650	2000	12470	179	13	720	2000	13500
	4	4.19	358	21.4(1)	570	1500	11090	238	16	695	2000	12880	158	13	770	2000	13790
	4.5	4.75	316	20.2(1)	610	1500	11370	210	15	740	2000	13100	140	12	820	2000	14270
	5	5.35	281	19.1	650	1500	11660	187	14	790	2000	13440	122	11	870	2000	14560
	5.6	6.13	245	17.7	690	1500	11930	163	13	835	2000	13800	111	11	920	2000	14390
	6.3	6.77	222	16.9	730	1500	12280	148	13	870	2000	14360	101	9	860	2500	16120
	7.1	7.45	201	16.0	760	1500	12760	134	12	1030	2000	14220	95	11	1135	2000	15350
	8	7.87	191	18.0	900	1500	12580	127	14	1085	2000	14710	85	11	1200	2000	15910
	9	8.82	170	16.9	950	1500	13060	113	13	1140	2000	15000	74	9.7	1260	2000	16270
	10	10.15	148	15.5	1000	1500	13240	99	12	1210	2000	15410	65	9.1	1340	2000	16690
	11.2	11.51	130	14.5	1060	1500	13620	87	11	1260	2000	15840	58	8.4	1390	2000	17200
	12.5	12.95	116	13.3	1100	2000	14100	77	10	1300	2000	16410	51	7.6	1440	2000	17630
	14	14.85	101	12.1	1140	2000	14720	67	9.2	1335	2000	17050	46	7.1	1480	2500	18000
	16	16.38	92	11.2	1170	2000	15200	61	8.5	1380	2000	17710	42	6.6	1525	2500	18000
	18	18.03	83	10.5	1210	2000	15770	55	8.0	1425	2500	18000	37	6.1	1575	2500	18000
	20	20.31	74	9.7	1250	2000	16270	49	7.3	1480	2500	18000	33	5.7	1640	2500	18000
	22.4	22.52	67	9.1	1300	2000	16770	44	6.9	1540	2500	18000	29	5.2	1700	3000	18000
	25	25.80	58	8.2	1350	2500	17340	39	6.3	1600	3000	18000	25	4.4	1700	3500	18000
	28	30.30	50	7.3	1400	2500	17850	33	5.5	1650	3000	18000	23	4.1	1700	3500	18000
	31.5	32.42	46	7.0	1450	2500	18000	31	5.3	1700	3000	18000	21	3.7	1700	4000	18000
	35.5	36.21	41	6.5	1510	2500	18000	28	4.9	1700	3000	18000	18	3.2	1700	4500	18000
	40	41.31	36	6.0	1570	2500	18000	24	4.3	1700	3500	18000	17	3.0	1700	5000	18000
	45	44.79	33	5.7	1620	3000	18000	22	4.0	1700	4000	18000	15	2.6	1700	5500	18000
	50	51.70	29	5.2	1700	3000	18000	19	3.4	1700	4500	18000	15	2.6	1700	5500	18000
	56	56.78	26	4.7	1700	3500	18000	18	3.1	1700	5000	18000	13	2.4	1700	5500	18000
	63	67.76	22	3.9	1700	4000	18000	15	2.6	1700	5500	18000	11	2.0	1700	5500	18000
	71	75.97	20	3.4	1650	4500	18000	13	2.3	1650	5500	18000	10	1.7	1650	5500	18000
	80																
	90																
	100																
SP....46C...	35.5	35.83	42	5.9	1350	3500	18000	28	5.0	1700	3000	18000	21	3.7	1700	4000	18000
	40	41.39	36	5.3	1400	3500	18000	24	4.3	1700	3500	18000	18	3.2	1700	4500	18000
	45	45.75	33	5.0	1460	3500	18000	22	3.9	1700	4000	18000	16	2.9	1700	5500	18000
	50	50.79	30	4.6	1500	4000	18000	20	3.5	1700	4500	18000	15	2.6	1700	5500	18000
	56	54.40	28	4.4	1540	4000	18000	18	3.3	1700	5000	18000	14	2.5	1700	5500	18000
	63	63.60	24	4.0	1620	4000	18000	16	2.8	1700	5500	18000	12	2.1	1700	5500	18000
	71	68.51	22	3.8	1660	4500	18000	15	2.6	1700	5500	18000	11	1.9	1700	5500	18000
	80	77.80	19	3.4	1700	4500	18000	13	2.3	1700	5500	18000	9.6	1.7	1700	5500	18000
	90	88.11	17	3.0	1700	5500	18000	11	2.0	1700	5500	18000	8.5	1.5	1700	5500	18000
	100	96.08	16	2.8	1700	5500	18000	10	1.9	1700	5500	18000	7.8	1.4	1700	5500	18000
	112	111.20	13	2.4	1700	5500	18000	9.0	1.6	1700	5500	18000	6.7	1.2	1700	5500	18000
	125	122.80	12	2.2	1700	5500	18000	8.1	1.4	1700	5500	18000	6.1	1.1	1700	5500	18000
	140	146.90	10	1.8	1700	5500	18000	6.8	1.2	1700	5500	18000	5.1	0.91	1700	5500	18000
	160	163.60	9.2	1.6	1700	5500	18000	6.1	1.1	1700	5500	18000	4.6	0.82	1700	5500	18000
	180	181.00	8.3	1.5	1700	5500	18000	5.5	0.98	1700	5500	18000	4.1	0.74	1700	5500	18000
	200	201.00	7.5	1.3	1700	5500	18000	5.0	0.89	1700	5500	18000	3.7	0.66	1700	5500	18000
	224																
	250																
	280																
	315																
	100																
	112																
	125																
	140																
	160																
SP....46B16C...	180	182.2	8.2	1.5	1700	5500	18000	5.5	0.98	1700	5500	18000	4.1	0.73	1700	5500	18000
	200	210.6	7.1	1.3	1700	5500	18000	4.7	0.85	1700	5500	18000	3.6	0.63	1700	5500	18000
	224	227.0	6.6	1.2	1700	5500	18000	4.4	0.78	1700	5500	18000	3.3	0.59	1700	5500	18000
	250	245.1	6.1	1.1	1700	5500	18000	4.1	0.73	1700	5500	18000	3.1	0.54	1700	5500	18000
	280	287.4	5.2	0.93	1700	5500	18000	3.5	0.62	1700	5500	18000	2.6	0.46	1700	5500	18000
	315	312.9	4.8	0.85	1700	5500	18000	3.2	0.57	1700	5500	18000	2.4	0.43	1700	5500	18000
	355	374.1	4.0	0.71	1700	5500	18000	2.7	0.48	1700	5500	18000	2.0	0.36	1700	5500	18000
	400	411.7	3.6	0.65	1700	5500	18000	2.4	0.43	1700	5500	18000	1.8	0.32	1700	5500	18000
	450	455.9	3.3	0.59	1700	5500	18000	2.2	0.39	1700	5500	18000	1.6	0.29	1700	5500	18000
	500	507.9	3.0	0.53	1700	5500	18000	2.0	0.35	1700	5500	18000	1.5	0.26	1700	5500	18000
	560	570.3	2.6	0.47	1700	5500	18000	1.8	0.31	1700	5500	18000	1.3	0.23	1700		



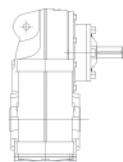
SP..56			Type SP...56... -I SP...56... -U				m [kg] 107 121		M342		2900 Nm						
Type	...	n _{syn} =	1500 min ⁻¹					1000 1/min					750 1/min				
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
SP....56B...	2.8																
	3.15	3.19	470	44.3(1)	900	2000	13450	313	30	905	2500	15120	235	25	1000	2500	16440
	3.55	3.52	426	42.1(1)	945	2000	13760	284	30	1000	2000	15470	213	25	1100	2500	16860
	4	4.06	370	39.9(1)	1030	1500	13770	247	30	1150	1500	15530	185	25	1270	2000	16740
	4.5	4.58	327	37.5(1)	1095	1500	14070	218	29	1250	1500	15930	164	24	1380	1500	17050
	5	5.06	297	36.0(1)	1160	1500	14400	198	27	1325	1500	16180	148	23	1465	1500	17560
	5.6	5.74	261	34.2(1)	1250	1000	14630	174	26	1425	1500	16480	131	22	1575	1500	17880
	6.3	6.43	233	34.7(1)	1420	1500	14610	155	26	1620	1500	16450	117	22	1790	2000	17830
	7.1	7.10	211	33.2(1)	1500	1500	15800	141	25	1710	1500	17780	106	21	1890	1500	19290
	8	8.17	184	31.0(1)	1610	1000	16020	122	24	1835	1500	18180	92	20	2030	1500	19600
	9	9.23	162	28.9(1)	1700	1000	16990	108	22	1940	1500	18780	81	18	2145	1500	20310
	10	10.19	147	27.7(1)	1800	1000	16930	98	21	2050	1000	19100	74	17	2270	1000	20400
	11.2	11.56	130	25.3(1)	1860	1000	17500	87	19	2120	1000	19810	65	16	2345	1500	21360
	12.5	13.00	115	23	1920	1000	18110	77	18	2190	1500	20420	58	15	2420	1500	22180
	14	14.45	104	22	1980	1500	18990	69	16	2260	1500	21240	52	14	2495	1500	22620
	16	16.45	91	20	2050	1500	19600	61	15	2340	1500	21970	46	12	2585	1500	23870
	18	17.75	85	19	2110	1500	20420	56	14	2405	2000	22810	42	12	2660	2000	24720
	20	19.68	76	17	2175	1500	21040	51	13	2480	2000	23650	38	11	2740	2000	25480
	22.4	22.65	66	16	2270	1500	21660	44	12	2590	2000	24290	33	9.9	2860	2000	26560
	25	25.55	59	12	2000	3000	23750	39	11	2700	2000	25150	29	8.9	2900	2500	27000
	28	29.09	52	12	2250	2500	23760	34	10	2800	2000	25910	26	7.8	2900	3000	27000
	31.5	31.91	47	12	2520	2000	23970	31	9.4	2875	2000	26890	24	7.1	2900	3500	27000
	35.5	36.58	41	11	2650	2000	24830	27	8.3	2900	2500	27000	21	6.2	2900	4000	27000
	40	39.65	38	11	2750	2000	25470	25	7.7	2900	3500	27000	19	5.7	2900	5000	27000
	45	46.78	32	10	2870	2000	26560	21	6.5	2900	4000	27000	16	4.9	2900	5500	27000
	50	52.18	29	9	2900	2500	27000	19	5.8	2900	4500	27000	14	4.4	2900	6000	27000
	56	58.03	26	7	2700	3500	27000	17	4.9	2700	6000	27000	13	3.7	2700	7500	27000
	63																
	71																
	80																
	90																
	100																
SP....56C...	35.5	33.69	45	10	2200	3500	27000	30	7.8	2500	4500	27000	22	6.5	2780	4500	27000
	40	37.78	40	9.6	2300	3500	27000	26	7.3	2620	4500	27000	20	6.0	2900	5000	27000
	45	43.49	34	8.7	2400	4000	27000	23	6.6	2740	4500	27000	17	5.2	2900	5500	27000
	50	49.30	30	8.0	2500	4000	27000	20	6.1	2850	4500	27000	15	4.6	2900	6000	27000
	56	55.45	27	7.4	2600	4000	27000	18	5.5	2900	5000	27000	14	4.1	2900	6500	27000
	63	63.59	24	6.7	2700	4500	27000	16	4.8	2900	5500	27000	12	3.6	2900	7500	27000
	71	70.17	21	6.3	2800	4500	27000	14	4.3	2900	6500	27000	11	3.2	2900	7500	27000
	80	77.21	19	5.9	2900	4500	27000	13	3.9	2900	7500	27000	9.7	2.9	2900	7500	27000
	90	86.98	17	5.2	2900	5500	27000	11	3.5	2900	7500	27000	8.6	2.6	2900	7500	27000
	100	96.48	16	4.7	2900	6000	27000	10	3.1	2900	7500	27000	7.8	2.4	2900	7500	27000
	112	110.50	14	4.1	2900	6500	27000	9.0	2.7	2900	7500	27000	6.8	2.1	2900	7500	27000
	125	129.80	12	3.5	2900	7500	27000	7.7	2.3	2900	7500	27000	5.8	1.8	2900	7500	27000
	140	138.90	11	3.3	2900	7500	27000	7.2	2.2	2900	7500	27000	5.4	1.6	2900	7500	27000
	160	155.10	9.7	2.9	2900	7500	27000	6.4	2.0	2900	7500	27000	4.8	1.5	2900	7500	27000
	180	177.00	8.5	2.6	2900	7500	27000	5.6	1.7	2900	7500	27000	4.2	1.3	2900	7500	27000
	200	191.90	7.8	2.4	2900	7500	27000	5.2	1.6	2900	7500	27000	3.9	1.2	2900	7500	27000
	224	221.50	6.8	2.1	2900	7500	27000	4.5	1.4	2900	7500	27000	3.4	1.0	2900	7500	27000
	250	243.20	6.2	1.9	2900	7500	27000	4.1	1.2	2900	7500	27000	3.1	0.94	2900	7500	27000
	280	290.20	5.2	1.6	2900	7500	27000	3.4	1.0	2900	7500	27000	2.6	0.78	2900	7500	27000
	315	325.40	4.6	1.4	2900	7500	27000	3.1	0.93	2900	7500	27000	2.3	0.70	2900	7500	27000
	100																
	112																
	125																
	140																
	160																
	180																
	200																
	224																
	250																
SP....56B16B...	280	289.0	5.2	1.6	2900	7500	27000	3.5	1.1	2900	7500	27000	2.6	0.79	2900	7500	27000
	315	314.6	4.8	1.4	2900	7500	27000	3.2	0.97	2900	7500	27000	2.4	0.72	2900	7500	27000
	355	376.2	4.0	1.2	2900	7500	27000	2.7	0.81	2900	7500	27000	2.0	0.61	2900	7500	27000
	400	414.1	3.6	1.1	2900	7500	27000	2.4	0.73	2900	7500	27000	1.8	0.55	2900	7500	27000
	450	458.4	3.3	0.99	2900	7500	27000	2.2	0.66	2900	7500	27000	1.6	0.50	2900	7500	27000
	500	510.8	2.9	0.89	2900	7500	27000	2.0	0.59	2900	7500	27000	1.5	0.45	2900	7500	27000
	560	573.5	2.6	0.79	2900	7500	27000	1.7	0.53	2900	7500	27000	1.3	0.40	2900	7500	27000
	630	638.3	2.4	0.71	2900	7500	27000	1.6	0.48	2900	7500	27000	1.2	0.36	2900	7500	27000
	710	713.9	2.1	0.64	2900	7500	27000	1.4	0.43	2900</							



5. SP4



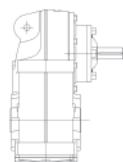
SP..66			Type SP...66... -I SP...66... -U		m [kg] 201 286			M350		5500 Nm							
Type	...	n _{syn} = i _{ex}	1500 min ⁻¹				1000 1/min				750 1/min						
			n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
SP....66B...	2.8																
	3.15	3.12	481	68(1)	1350			19000	321	52	1540		20000	240	43	1700	22000
	3.55	3.46	433	65.8(1)	1450			20000	289	50	1650		21000	217	42	1830	22500
	4	4.13	364	60.9(1)	1600			19500	242	46	1820		21000	182	38	2020	23000
	4.5	4.43	339	60.3(1)	1700			20000	226	46	1940		22000	169	38	2150	23500
	5	5.12	293	55.2(1)	1800			20000	195	42	2050		22000	146	35	2270	24000
	5.6	5.73	262	52.1(1)	1900			20000	175	40	2170		23000	131	33	2400	24500
	6.3	6.35	236	55.7(1)	2250			20000	157	42	2570		22500	118	35	2840	24500
	7.1	7.05	213	53.5(1)	2400			20500	142	41	2740		23000	106	34	3020	25000
	8	8.40	179	49.6(1)	2650			20500	119	38	3020		23000	89	31	3340	25000
	9	9.02	166	47.9(1)	2750			21500	111	36	3140		24000	83	30	3470	26000
	10	10.43	144	44.4(1)	2950			21500	96	34	3370		24000	72	28	3720	26500
	11.2	11.66	129	41.8(1)	3100			22000	86	32	3540		25000	64	26	3910	27000
	12.5	12.59	119	40.5(1)	3250			23000	79	31	3700		26000	60	26	4100	27500
	14	14.18	106	37.7(1)	3400			30000	71	29	3880		26500	53	24	4290	28500
	16	16.06	93	35.2(1)	3600			24000	62	27	4100		27000	47	22	4540	29500
	18	17.51	86	34	3750			25000	57	26	4280		28000	43	21	4730	30000
	20	20.08	75	31	3950			25500	50	23	4500		28500	37	19	4980	30000
	22.4	23.26	64	28	4200			26000	43	22	4790		29000	32	18	5290	30000
	25	25.85	58	27	4400			26500	39	20	5020		30000	29	17	5500	30000
	28	27.61	54	26	4500			21500	36	19	5130		25000	27	16	5500	27500
	31.5	30.69	49	24	4650			22500	33	18	5300		25500	24	14	5500	28500
	35.5	34.82	43	22	4850			24000	29	17	5500		27500	22	12	5500	30000
	40	38.01	39	21	5000			26500	26	15	5500		30000	20	11	5500	30000
	45	43.51	34	19	5150			27000	23	13	5500		30000	17	10	5500	30000
	50	47.54	32	16	4850			28000	21	12	5500		30000	16	9	5500	30000
	56	56.00	27	14	4850			30000	18	10	5500		30000	13	8	5500	30000
	63	61.68	24	12	4850			30000	16	9	5500		30000	12	7	5500	30000
	71	68.49	22	10	4500			30000	15	8	5130		30000	11	6	5500	30000
	80																
	90																
	100																
SP....66C...	35.5																
	40	38.12	39	18.1	4400			30000	26	14	5016		30000	20	11	5500	30000
	45	42.75	35	17.1	4650			30000	23	13	5301		30000	18	10	5500	30000
	50	49.20	30	15.6	4900			30000	20	12	5500		30000	15	8.8	5500	30000
	56	55.78	27	14.9	5300			30000	18	10	5500		30000	13	7.7	5500	30000
	63	62.74	24	13.5	5400			30000	16	9.2	5500		30000	12	6.9	5500	30000
	71	71.94	21	12.0	5500			30000	14	8.0	5500		30000	10	6.0	5500	30000
	80	79.38	19	10.9	5500			30000	13	7.3	5500		30000	9.4	5.4	5500	30000
	90	87.35	17	9.9	5500			30000	11	6.6	5500		30000	8.6	4.9	5500	30000
	100	98.40	15	8.8	5500			30000	10	5.9	5500		30000	7.6	4.4	5500	30000
	112	109.20	14	7.9	5500			30000	9.2	5.3	5500		30000	6.9	4.0	5500	30000
	125	125.00	12	6.9	5500			30000	8.0	4.6	5500		30000	6.0	3.5	5500	30000
	140	146.80	10	5.9	5500			30000	6.8	3.9	5500		30000	5.1	2.9	5500	30000
	160	157.10	9.5	5.5	5500			30000	6.4	3.7	5500		30000	4.8	2.7	5500	30000
	180	175.50	8.5	4.9	5500			30000	5.7	3.3	5500		30000	4.3	2.5	5500	30000
	200	200.20	7.5	4.3	5500			30000	5.0	2.9	5500		30000	3.7	2.2	5500	30000
	224	217.10	6.9	4.0	5500			30000	4.6	2.7	5500		30000	3.5	2.0	5500	30000
	250	250.60	6.0	3.4	5500			30000	4.0	2.3	5500		30000	3.0	1.7	5500	30000
	280	275.20	5.5	3.1	5500			30000	3.6	2.1	5500		30000	2.7	1.6	5500	30000
	315																
SP....66C316B...	100																
	112																
	125																
	140																
	160																
	180																
	200																
	224																
	250																
	280	272.4	5.5	3.2	5500			30000	3.7	2.1	5500		30000	2.8	1.6	5500	30000
	315	318.6	4.7	2.7	5500			30000	3.1	1.8	5500		30000	2.4	1.4	5500	30000
	355	343.1	4.4	2.5	5500			30000	2.9	1.7	5500		30000	2.2	1.3	5500	30000
	400	389.7	3.8	2.2	5500			30000	2.6	1.5	5500		30000	1.9	1.1	5500	30000
	450	441.3	3.4	2.0	5500			30000	2.3	1.3	5500		30000	1.7	0.98	5500	30000
	500	481.2	3.1	1.8	5500			30000	2.1	1.2	5500		30000	1.6	0.90	5500	30000
	660	556.9	2.7	1.6	5500			30000	1.8	1.0	5500		30000	1.3	0.78	5500	30000
	630	615.0	2.4	1.4	5500			30000	1.6	0.94	5500		30000	1.2	0.70	5500	30000
	710	735.8	2.0	1.2	5500			30000	1.4	0.78	5500		30000	1.0	0.59	5500	30000
	800	819.3	1.8	1.1	5500			30000	1.2	0.70	5500		30000	0.92	0.53	5500	30000
	900	906.3	1.7	0.95	5500			30000	1.1	0.64	5500		30000	0.83	0.48	5500	30000
	1000	1007	1.5	0.86	5500			30000	1.0	0.57	5500		30000	0.74	0.43	5500	30000
	1120																



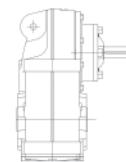
SP..76			Type SP...76... -I SP...76... -U				m [kg] 292 359		M358		8000 Nm					
Type	...	n _{syn} =	1500 min ⁻¹				1000 1/min				750 1/min					
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N
SP....76B...	2.8															
	3.15	3.11	482	99(1)	1950		26000	322	75(1)	2220		27500	241	62(1)	2460	
	3.55	3.52	426	94(1)	2100		26500	284	71(1)	2400		28000	213	59(1)	2650	30500
	4	3.99	376	89(1)	2250		27000	251	68(1)	2570		29000	188	56(1)	2840	31000
	4.5	4.52	332	83(1)	2400		27000	221	63(1)	2740		30000	166	52(1)	3020	32000
	5	4.93	304	80(1)	2500		27500	203	57(1)	2679		31000	152	47(1)	2961	34000
	5.6	5.62	267	73(1)	2600		28000	178	55(1)	2960		31500	133	46(1)	3280	34000
	6.3	6.25	240	98(1)	3900		28000	160	75(1)	4450		28500	120	62(1)	4920	31000
	7.1	7.08	212	93(1)	4200		26000	141	71(1)	4790		29000	106	59(1)	5290	31500
	8	8.02	187	88(1)	4500		26000	125	67(1)	5130		29500	94	56(1)	5670	32000
	9	9.10	165	82(1)	4750		27000	110	62(1)	5415		30000	82	52(1)	5985	32500
	10	9.91	151	79(1)	5000		27500	101	60(1)	5700		31000	76	50(1)	6300	33000
	11.2	11.31	133	72(1)	5150		29000	88	54(1)	5870		32000	66	45(1)	6490	34500
	12.5	12.38	121	68(1)	5350		29500	81	52(1)	6100		33000	61	43(1)	6740	35500
	14	14.26	105	61(1)	5550		30500	70	46(1)	6330		34000	53	38	6990	36500
	16	15.73	95	57(1)	5750		31500	64	44(1)	6555		35000	48	36	7245	38000
	18	17.68	85	52(1)	5900		33000	57	40(1)	6730		37000	42	33	7430	40000
	20	19.69	76	49(1)	6100		34000	51	37	6950		38000	38	31	7690	41000
	22.4	22.06	68	45(1)	6300		35000	45	34	7180		39000	34	28	7940	43000
	25	24.90	60	41(1)	6550		36000	40	31	7470		40500	30	25	8000	45000
	28	28.02	54	38	6800		37000	36	28	7520		42500	27	22	8000	47000
	31.5	32.32	46	34	7050		38000	31	26	8000		43500	23	19	8000	49500
	35.5	35.33	42	32	7250		40500	28	24	8000		46500	21	18	8000	50000
	40	38.31	39	30	7400		42000	26	22	8000		48500	20	16	8000	50000
	45	45.22	33	27	7700		43500	22	19	8000		50000	17	14	8000	50000
	50	49.92	30	25	8000		45000	20	17	8000		50000	15	13	8000	50000
	56	55.55	27	23	8000		47000	18	15	8000		50000	14	11	8000	50000
	63															
	71															
	80															
	90															
	100															
	35.5															
	40	39.42	38	28	7050		43000	25	21	8000		50000	19	16	8000	50000
	45	44.20	34	26	7300		45000	23	19	8000		50000	17	14	8000	50000
	50	50.88	29	23	7600		46000	20	16	8000		50000	15	12	8000	50000
	56	57.68	26	22	7900		47500	17	15	8000		50000	13	11	8000	50000
	63	64.88	23	19	8000		49500	15	13	8000		50000	12	9.7	8000	50000
	71	74.39	20	17	8000		50000	13	11	8000		50000	10	8.4	8000	50000
	80	82.09	18	15	8000		50000	12	10	8000		50000	9.1	7.7	8000	50000
	90	90.33	17	14	8000		50000	11	9.3	8000		50000	8.3	7.0	8000	50000
	100	101.75	15	12	8000		50000	10	8.2	8000		50000	7.4	6.2	8000	50000
	112	112.90	13	11	8000		50000	8.9	7.4	8000		50000	6.6	5.6	8000	50000
	125	129.30	12	9.7	8000		50000	7.7	6.5	8000		50000	5.8	4.9	8000	50000
	140	151.80	10	8.3	8000		50000	6.6	5.5	8000		50000	4.9	4.1	8000	50000
	160	162.50	9.2	7.7	8000		50000	6.2	5.2	8000		50000	4.6	3.9	8000	50000
	180	181.50	8.3	6.9	8000		50000	5.5	4.6	8000		50000	4.1	3.5	8000	50000
	200	207.00	7.2	6.1	8000		50000	4.8	4.0	8000		50000	3.6	3.0	8000	50000
	224	224.50	6.7	5.6	8000		50000	4.5	3.7	8000		50000	3.3	2.8	8000	50000
	250	259.10	5.8	4.8	8000		50000	3.9	3.2	8000		50000	2.9	2.4	8000	50000
	280	284.50	5.3	4.4	8000		50000	3.5	2.9	8000		50000	2.6	2.2	8000	50000
	315															
	100															
	112															
	125															
	140															
	160															
	180															
	200															
	224															
	250															
	280	279.4	5.4	4.5	8000		50000	3.6	3.0	8000		50000	2.7	2.2	8000	50000
	315	299.3	5.0	4.2	8000		50000	3.3	2.8	8000		50000	2.5	2.1	8000	50000
	355	350.0	4.3	3.6	8000		50000	2.9	2.4	8000		50000	2.1	1.8	8000	50000
	400	376.9	4.0	3.3	8000		50000	2.7	2.2	8000		50000	2.0	1.7	8000	50000
	450	428.1	3.5	2.9	8000		50000	2.3	2.0	8000		50000	1.8	1.5	8000	50000
	500	484.8	3.1	2.6	8000		50000	2.1	1.7	8000		50000	1.5	1.3	8000	50000
	560	528.7	2.8	2.4	8000		50000	1.9	1.6	8000		50000	1.4	1.2	8000	50000
	630	611.8	2.5	2.1	8000		50000	1.6	1.4	8000		50000	1.2	1.0	8000	50000
	710	675.6	2.2	1.9	8000		50000	1.5	1.2	8000		50000	1.1	0.93	8000	50000
	800	808.4	1.9	1.6	8000		50000	1.2	1.0	8000		50000	0.93	0.78	8000	50000
	900	900.1	1.7	1.4	8000		50000	1.1	0.93	8000		50000	0.83	0.70	8000	50000
	1000	996	1.5	1.3	8000		50000	1.0	0.84	8000		50000	0.75	0.63	8000	50000
	1120	1106	1.4	1.1	8000		50000	0.90	0.76	8000		50000	0.68	0.57	8000	50000

Hinweis: Maximale thermische Leistung beachten. Attention: Please check for max thermal power. Attention: Vérifier svp la puissance thermique maxim

5. SP4



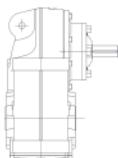
SP..86			Type SP...86... -I SP...86... -U		m [kg] 650 710		 M366		15000 Nm								
Type	...	n _{syn} = i _{ex}	1500 min ⁻¹				1000 1/min				750 1/min						
			n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
SP....86B...	2.8																
	3.15																
	3.55																
	4	3.99	376	268(1)	6800		31000										
	4.5	4.42	339	252(1)	7100		32000										
	5	4.91	305	237(1)	7400		33000										
	5.6	5.47	274	221(1)	7700		35000										
	6.3	6.11	245	206(1)	8000		35000										
	7.1	7.36	204	237(1)	11100		36000										
	8	8.17	184	221(1)	11500		37000										
	9	9.07	165	206(1)	11900		39000										
	10	10.10	149	191(1)	12300		41000										
	11.2	11.28	133	177(1)	12700		41000										
	12.5	12.65	119	164(1)	13200		42000										
	14	14.26	105	149(1)	13500		42000										
	16	16.18	93	134(1)	13800		46000										
	18	18.50	81	120(1)	14100		46000										
	20	19.85	76	114(1)	14400		48000										
	10																
	11.2																
	12.5																
	14	13.97	107	132(1)	11700		41000										
	16	15.81	95	123(1)	12400		42000										
	18	17.91	84	115(1)	13100		44000										
	20	20.32	74	107(1)	13800		46000										
	22,4	22.14	68	102(1)	14400		46000										
	25	25.26	59	93(1)	15000		50000										
	28	27.66	54	85(1)	15000		53000										
	31,5	31.85	47	74(1)	15000		56000										
	35,5	35.14	43	67	15000		57000										
	40	39.49	38	60	15000		61000										
	45	43.97	34	54	15000		64000										
	50	49.26	30	48	15000		68000										
	56	55.62	27	42	15000		72000										
	63	62.59	24	38	15000		76000										
	71	72.20	21	33	15000		79000										
	80	78.91	19	30	15000		82000										
	90	85.57	18	28	15000		87000										
	100	101.01	15	23	15000		91000										
	112	111.49	13	21	15000		97000										
	125	124.07	12	19	15000		99000										
	140	138.28	11	17	15000		99000										
	160	149.94	10	16	15000		99000										
	180	177.02	8	13	15000		99000										
	200	195.38	8	12	15000		99000										
	224	217.42	7	11	15000		99000										
	250																
	280																
	315																
	100																
	112																
	125																
	140																
	160																
	180	174.4	8.6	14	15000		99000										
	200	202.4	7.4	12	15000		99000										
	224	226.6	6.6	10	15000		99000										
	250	259.5	5.8	9.1	15000		99000										
	280	284.7	5.3	8.3	15000		99000										
	315	328.8	4.6	7.2	15000		99000										
	355	363.5	4.1	6.5	15000		99000										
	400	403.5	3.7	5.8	15000		99000										
	450	432.2	3.5	5.5	15000		99000										
	500	505.4	3.0	4.7	15000		99000										
	860	544.3	2.8	4.3	15000		99000										
	630	618.1	2.4	3.8	15000		99000										
	710	700.1	2.1	3.4	15000		99000										
	800	763.4	2.0	3.1	15000		99000										
	900	883.6	1.7	2.7	15000		99000										
	1000	956	1.6	2.5	15000		99000										
	1120	1083	1.4	2.2	15000		99000										



5. SP4

Notizen / Notice / Notes:

5. SP4



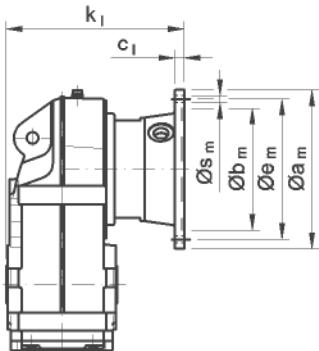
5.7 Maßbilder Getriebe

Dimensional drawings of gear units

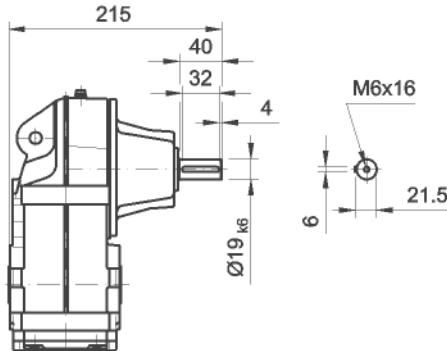
Schémas dimensionnels des unités de vitesse

SPZ..16B-U

63 - 112

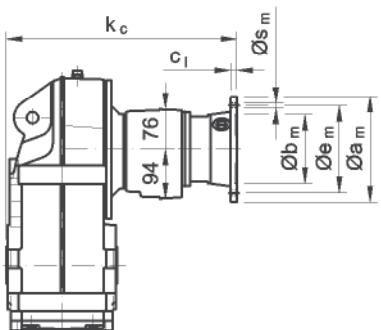


SPZ..16B-I

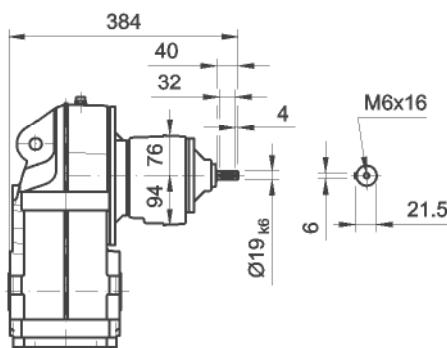


SPZ..16B16B/C-U

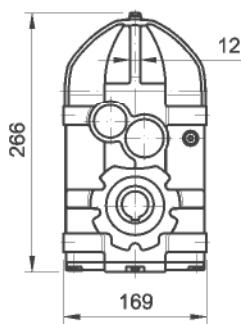
63 - 112

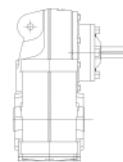


SPZ..16B16B/C-I

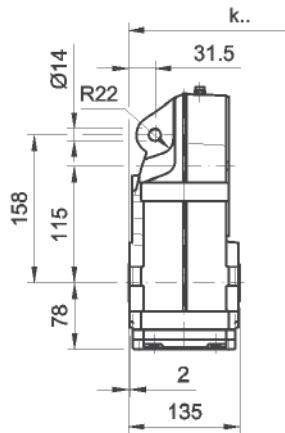


SPZ..16..

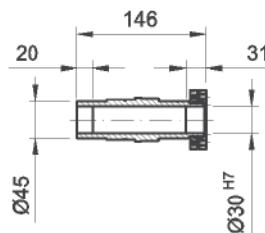
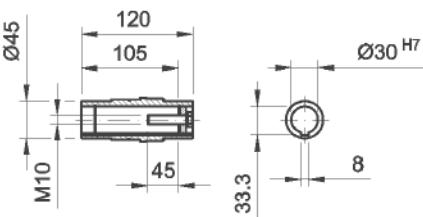
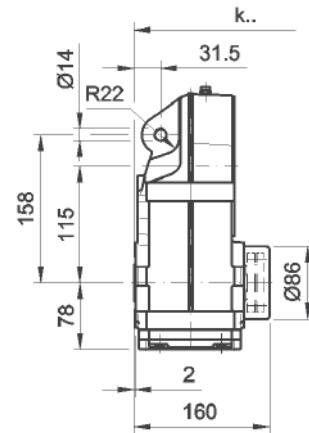




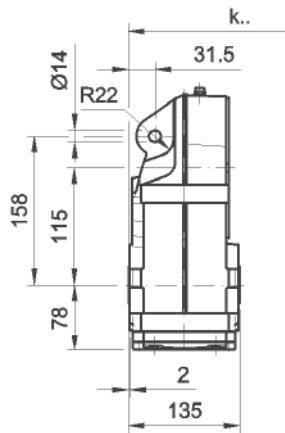
SPZH16..



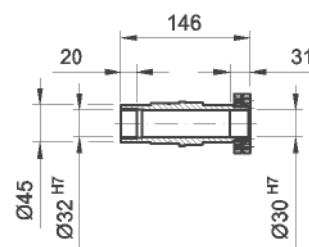
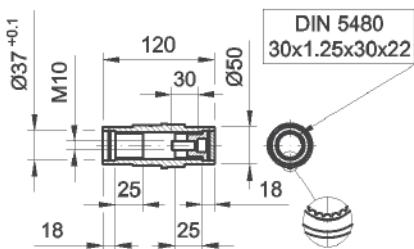
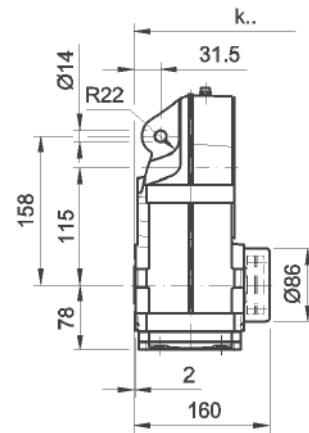
SPZS16..



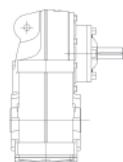
SPZT16..



SPZC16..

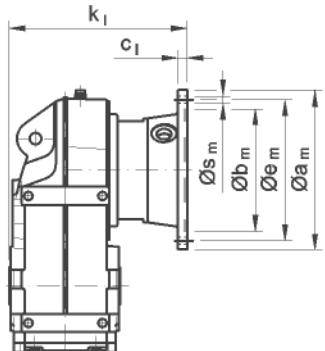


5. SP4

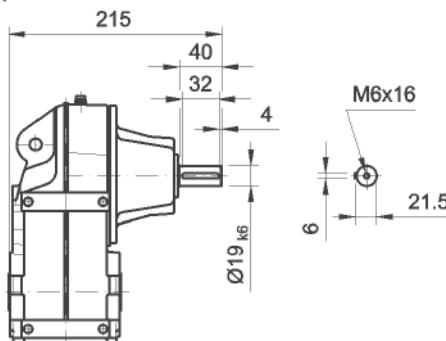


SPZ..16BF-U

63 - 112

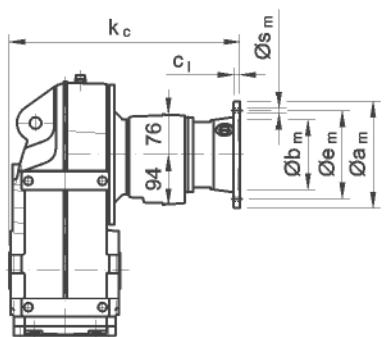


SPZ..16BF-I

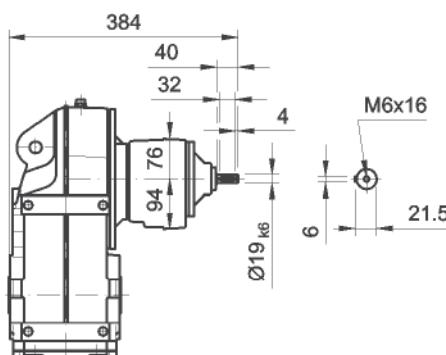


SPZ..16B16B/CF-U

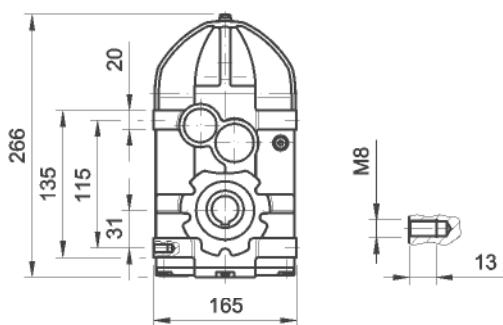
63 - 112



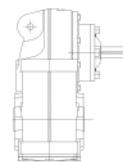
SPZ..16B16B/CF-I



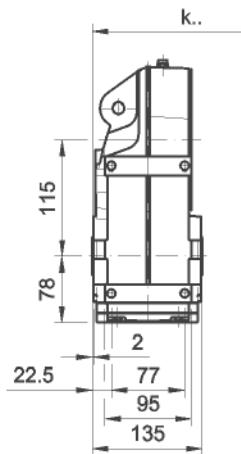
SPZ..16..F..



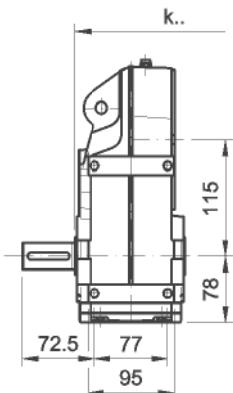
5. SP4



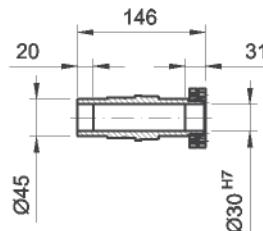
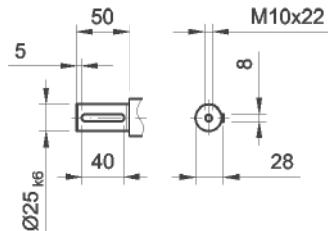
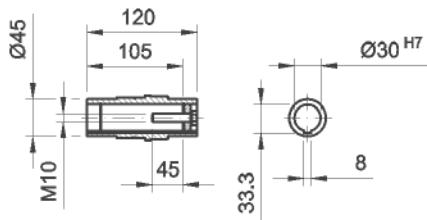
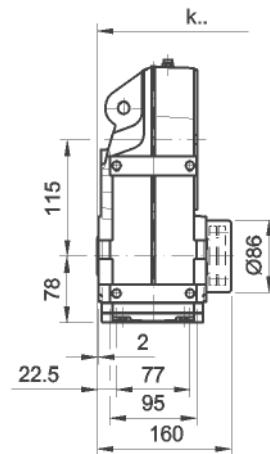
SPZH16..F..



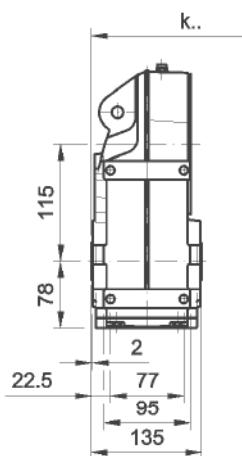
SPZN16..F..



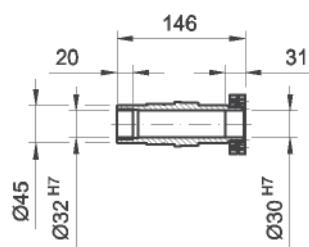
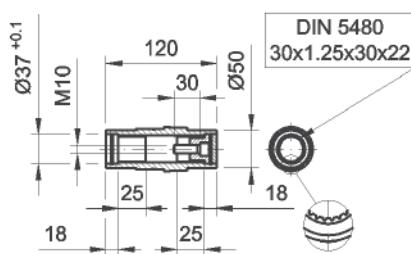
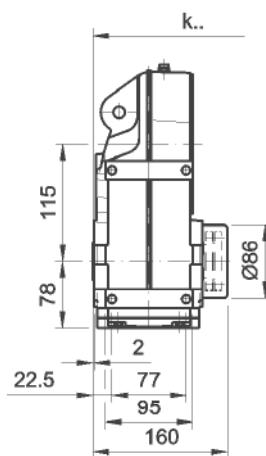
SPZS16..F..



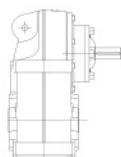
SPZT16..F..



SPZC16..F..

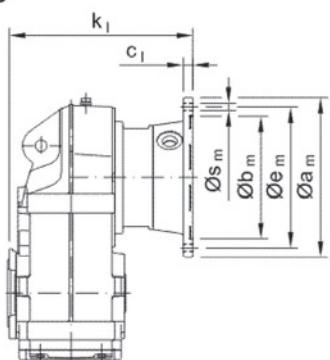


5. SP4

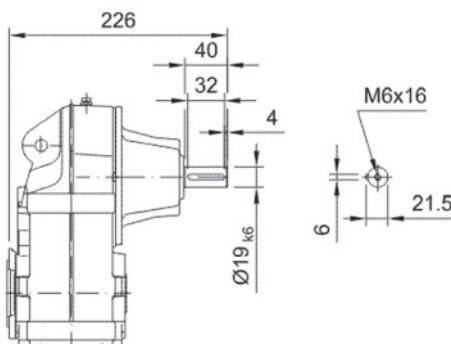


SPT..16B-U

63 - 112

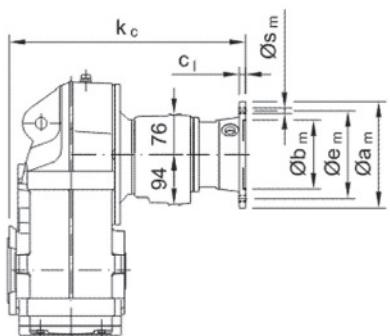


SPT..16B-I

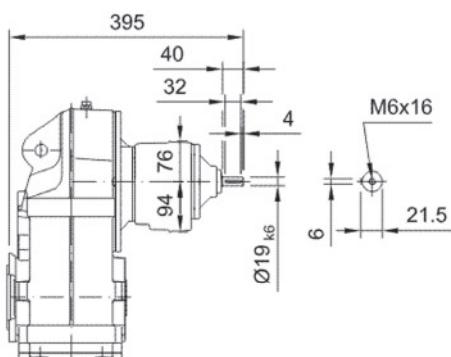


SPT..16B16B/C-U

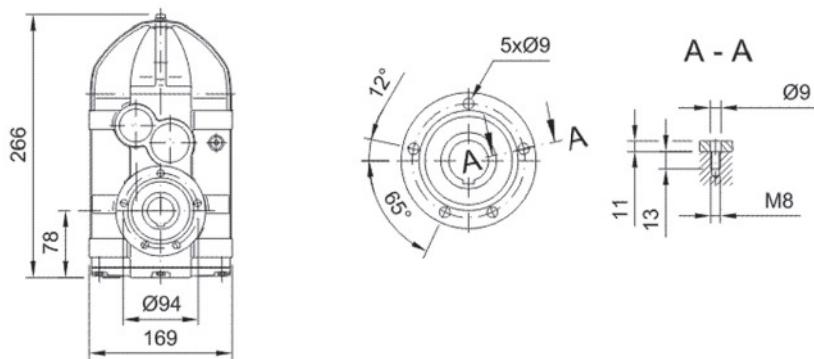
63 - 112



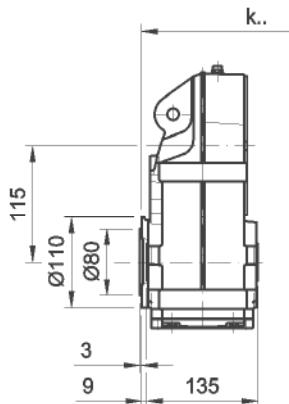
SPT..16B16B/C-I



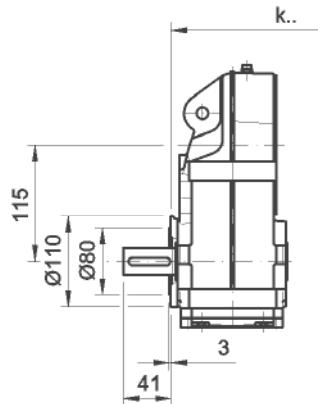
SPT..16..



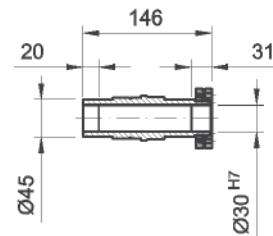
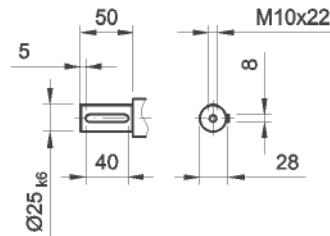
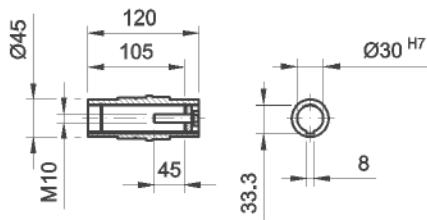
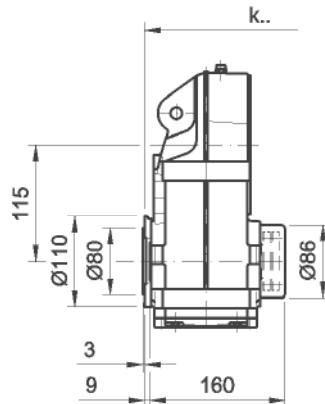
SPTH16..



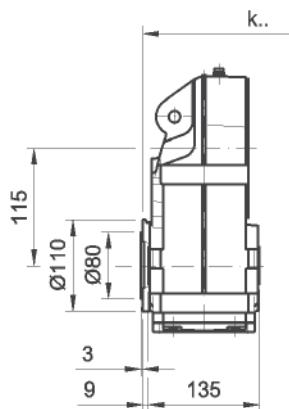
SPTN16..



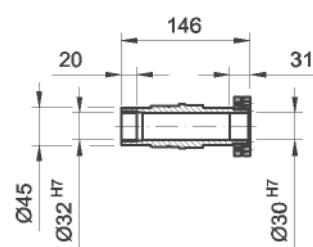
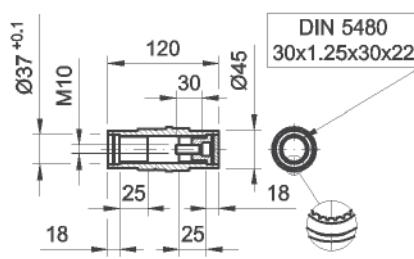
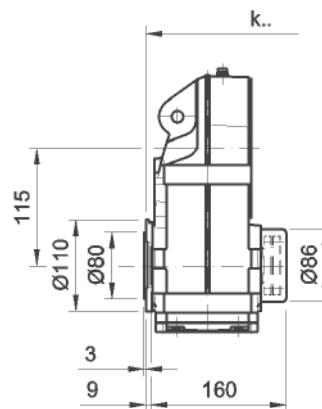
SPTS16..



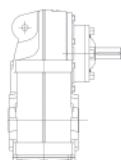
SPTT16..



SPTC16..

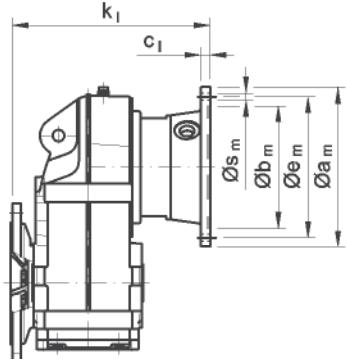


5. SP4

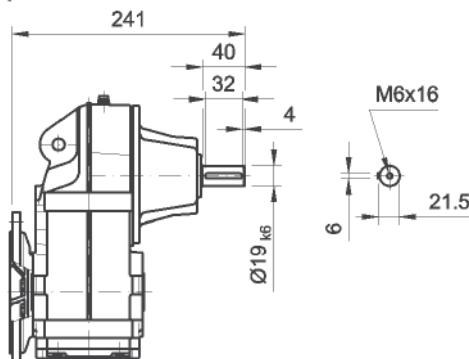


SPF..16B-U

63 - 112

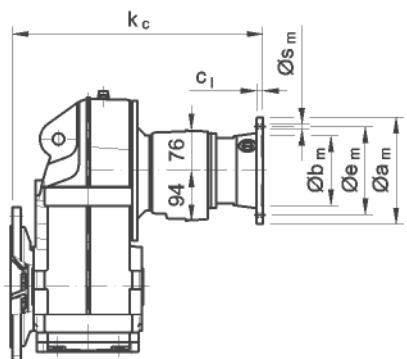


SPF..16B-I

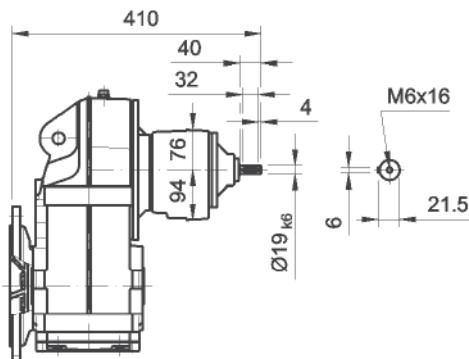


SPF..16B16B/C-U

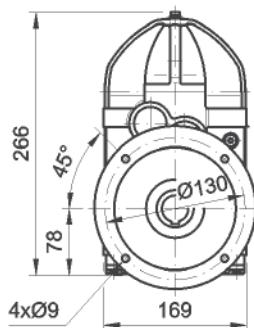
63 - 112



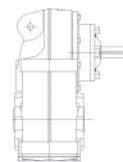
SPF..16B16B/C-I



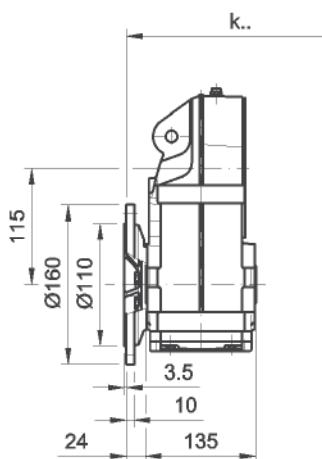
SPF..16..



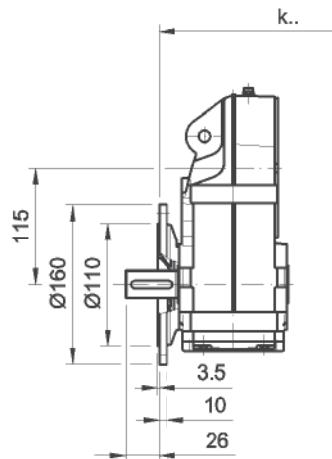
5. SP4



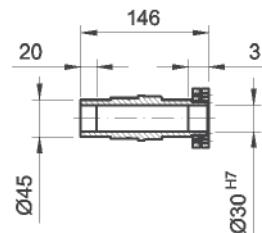
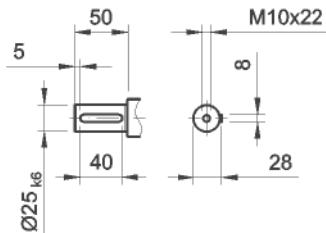
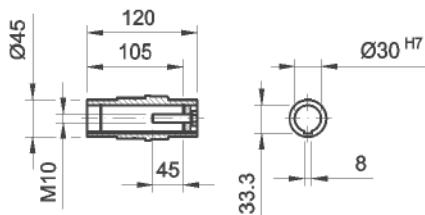
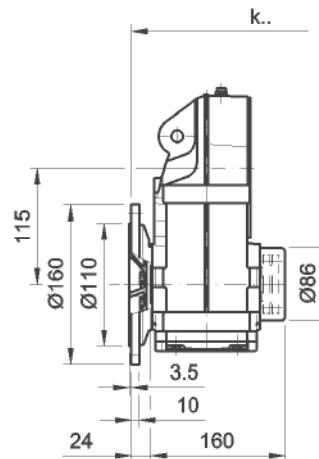
SPFH16..



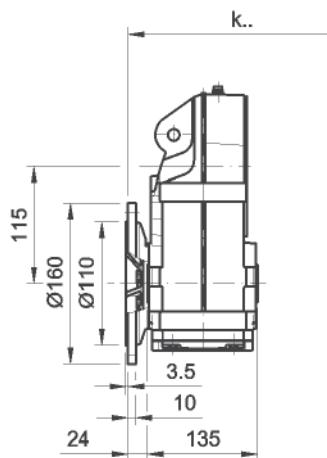
SPFN16..



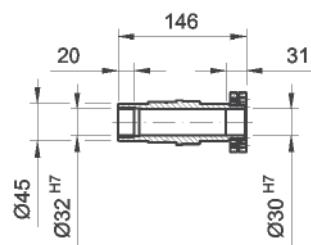
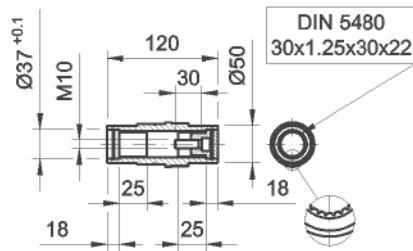
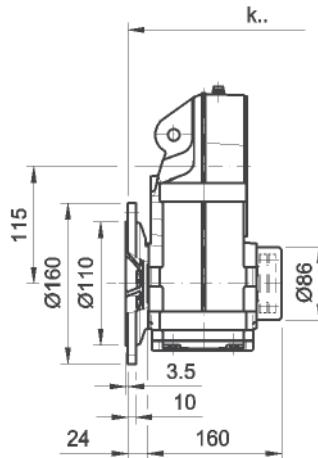
SPFS16..



SPFT16..

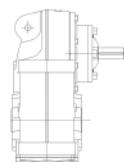


SPFC16..



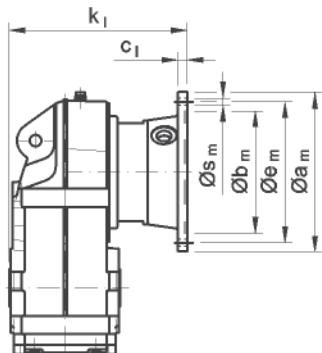


5. SP4

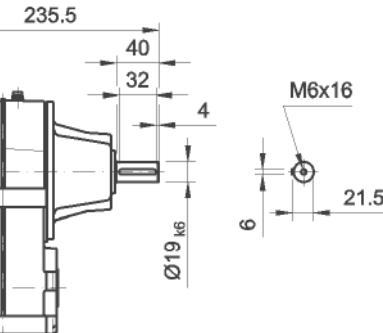


SPZ..26B-U

63 - 112

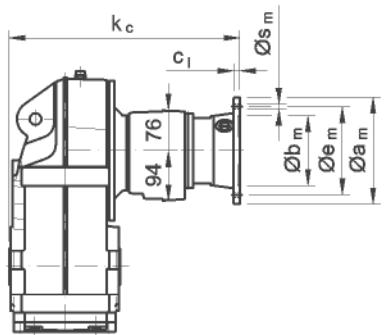


SPZ..26B-I

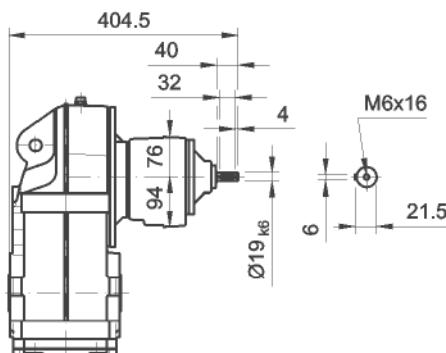


SPZ..26B16B/C-U

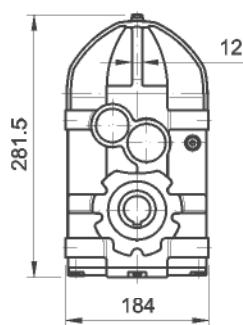
63 - 112



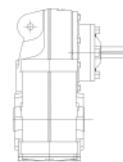
SPZ..26B16B/C-I



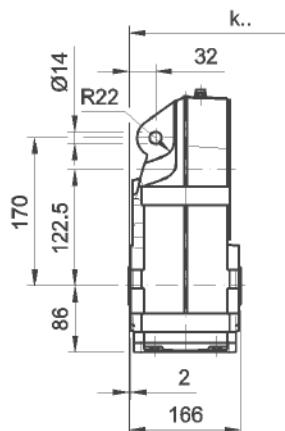
SPZ..26..



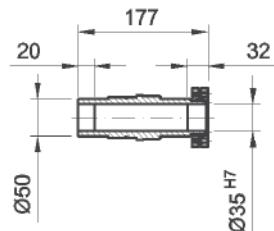
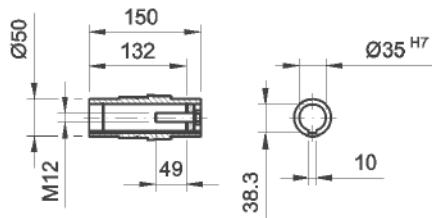
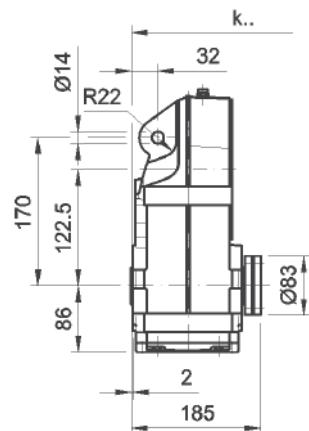
	63	71	80	90S	90L	100	112													
kI	223	223	223	223	223	223	223													
cI	8	8	10	10	10	12	12													
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7													
ØaI	115	130	165	165	165	215	215													
Øam	140	160	200	200	200	250	250													
Øai	4x M6x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5													
kc	392	392	392	392	392	392	392													



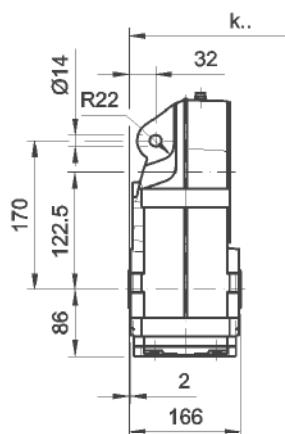
SPZH26..



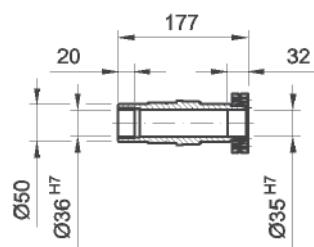
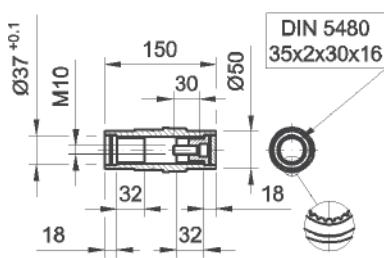
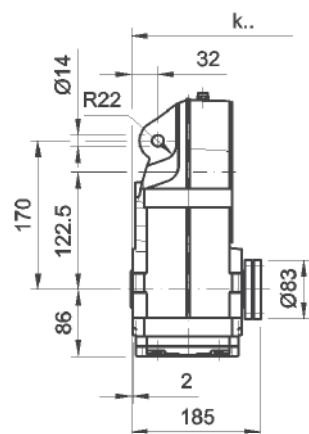
SPZS26..



SPZT26..

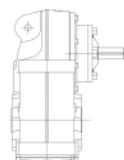


SPZC26..



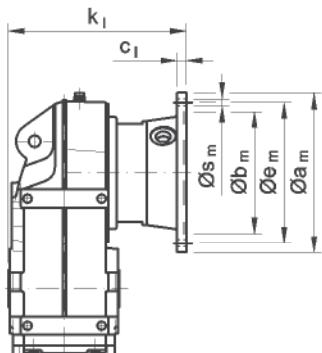


5. SP4

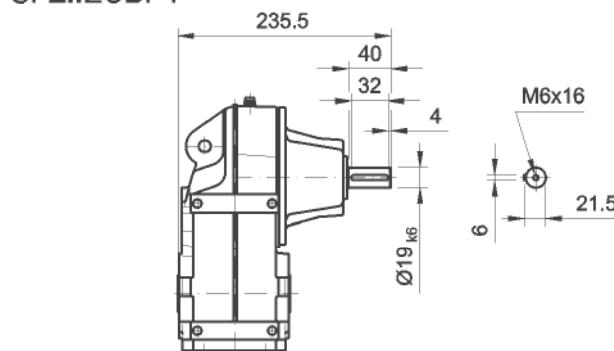


SPZ..26BF-U

63 - 112

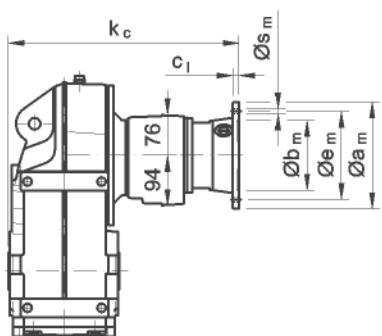


SPZ..26BF-I

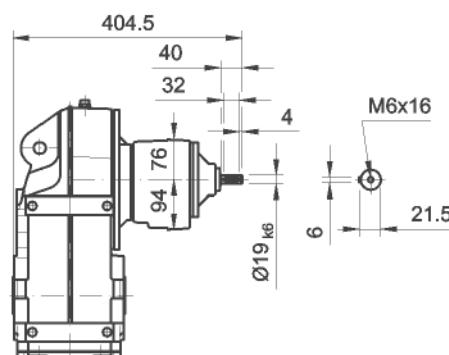


SPZ..26B16B/CF-U

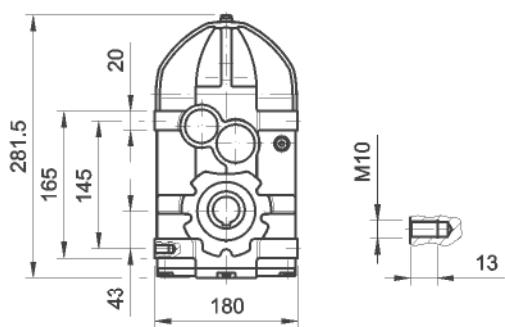
63 - 112



SPZ..26B16B/CF-I



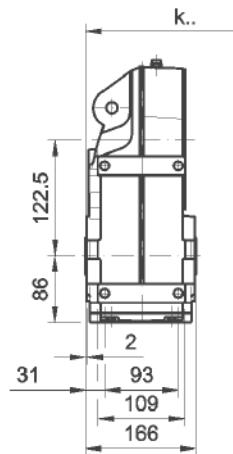
SPZ..26..F..



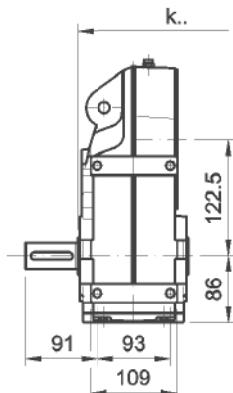
	63	71	80	90S	90L	100	112												
k1	223	223	223	223	223	223	223												
c1	8	8	10	10	10	12	12												
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7												
Øem	115	130	165	165	165	215	215												
Øam	140	160	200	200	200	250	250												
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5												
kc	392	392	392	392	392	392	392												

5. SP4

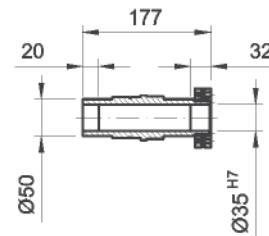
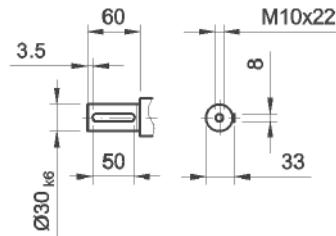
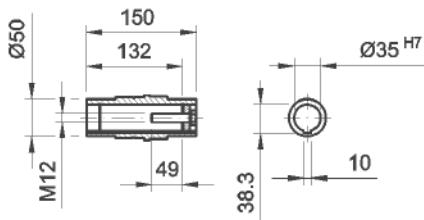
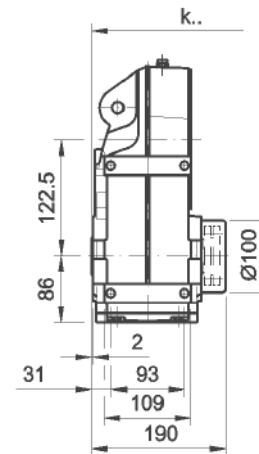
SPZH26..F..



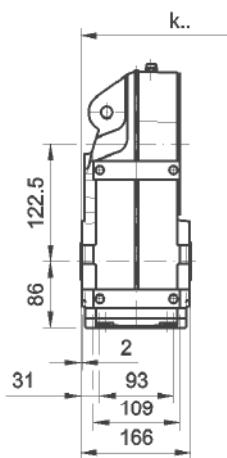
SPZN26..F..



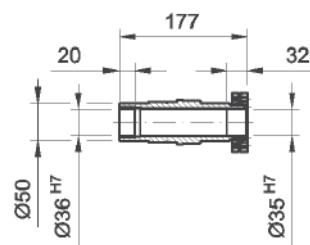
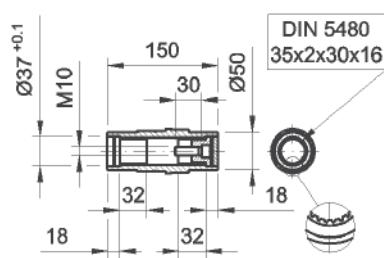
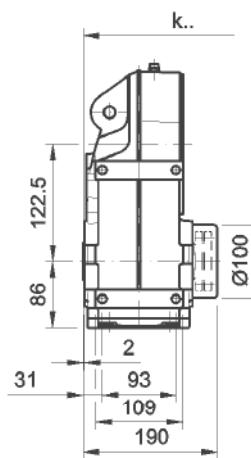
SPZS26..F..



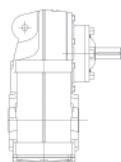
SPZT26..F..



SPZC26..F..

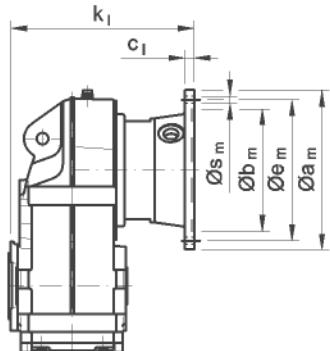


5. SP4

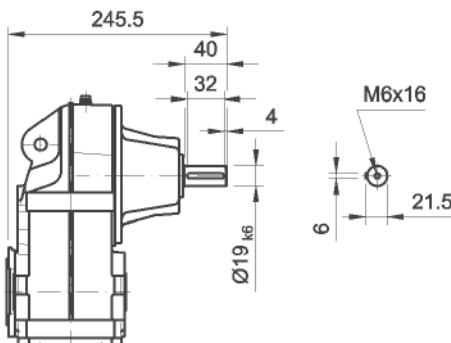


SPT..26B-U

63 - 112

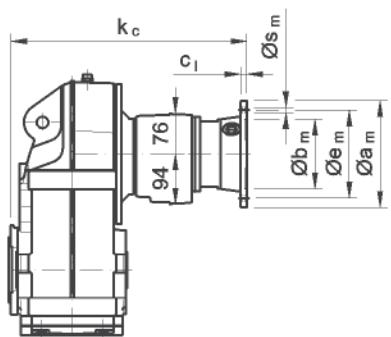


SPT..26B-I

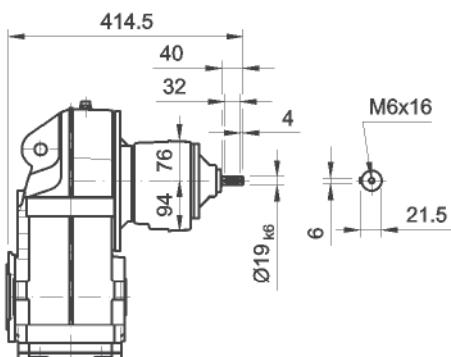


SPT..26B16B/C-U

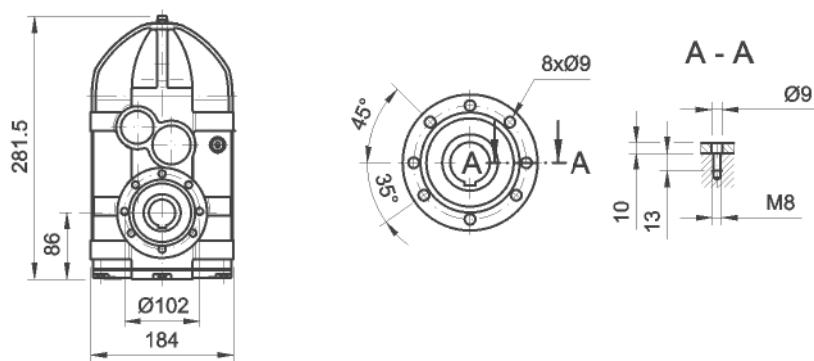
63 - 112



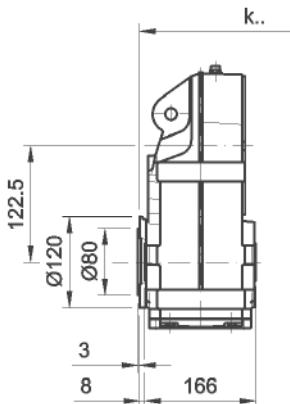
SPT..26B16B/C-I



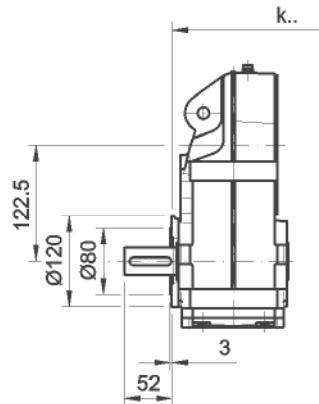
SPT..26..



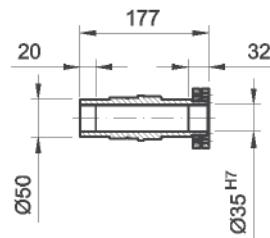
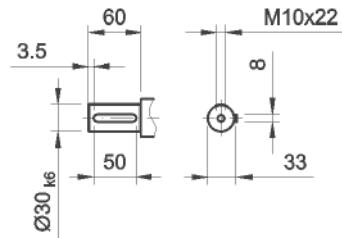
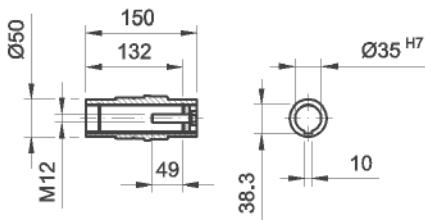
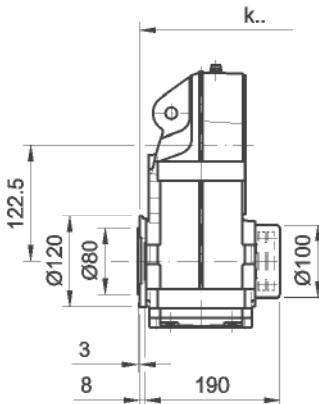
SPTH26..



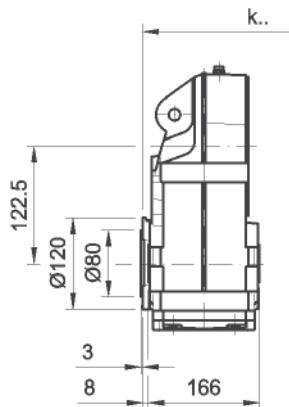
SPTN26..



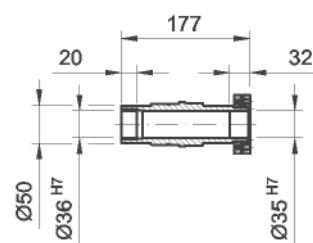
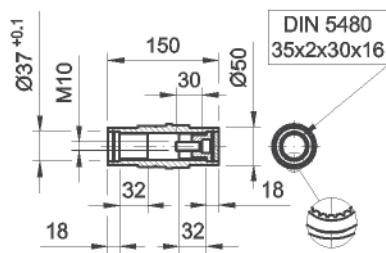
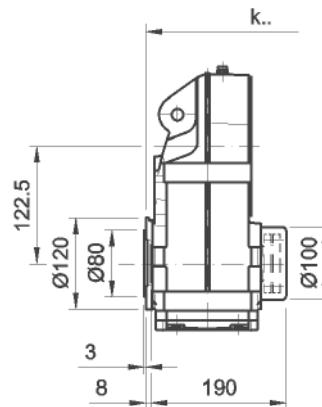
SPTS26..



SPTT26..

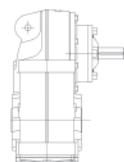


SPTC26..



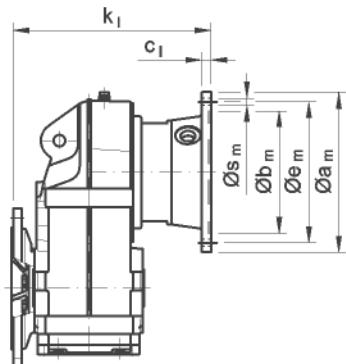


5. SP4



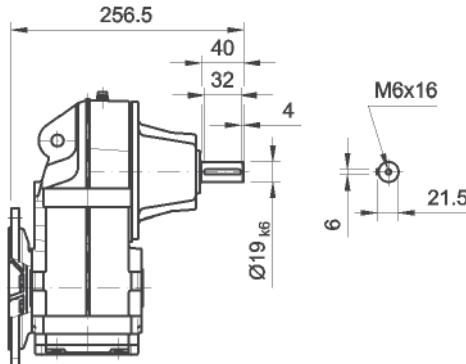
SPF..26B-U

63 - 112



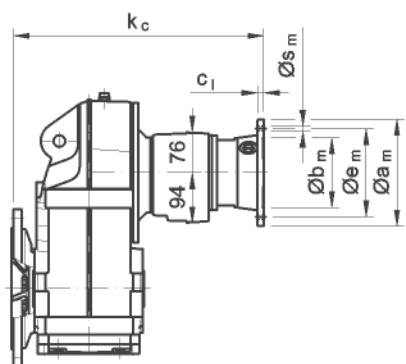
SPF..26B-I

256.5



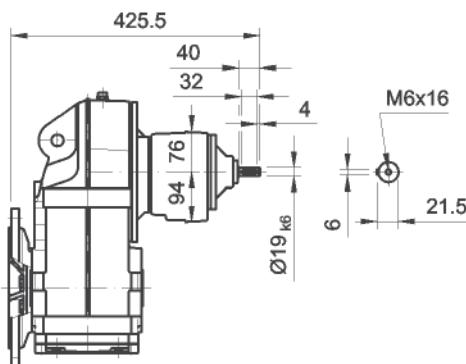
SPF..26B16B/C-U

63 - 112

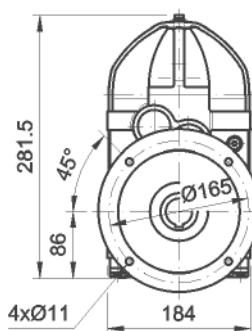


SPF..26B16B/C-I

425.5



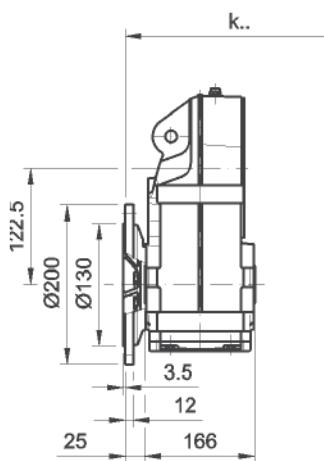
SPF..26..



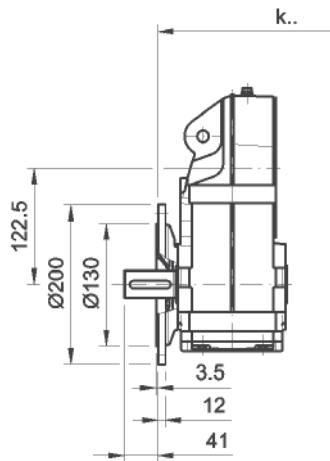
	63	71	80	90S	90L	100	112																
k1	244	244	244	244	244	244	244																
c1	8	8	10	10	10	12	12																
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7																
Øem	115	130	165	165	165	215	215																
Øam	140	160	200	200	200	250	250																
Øsm	4xM6x16	4xM8x16	4xØ11	4xØ11	4xØ11	4xØ13,5	4xØ13,5																
kc	413	413	413	413	413	413	413																

5. SP4

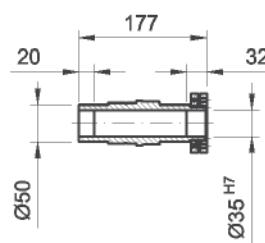
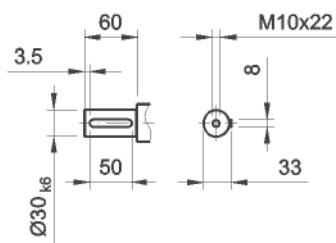
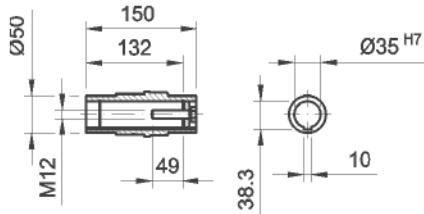
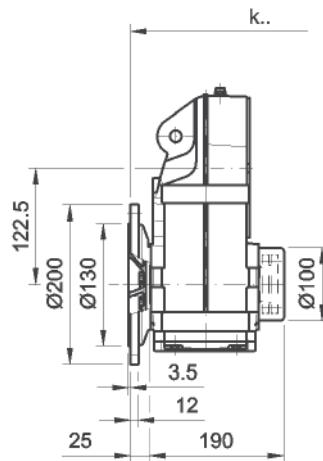
SPFH26..



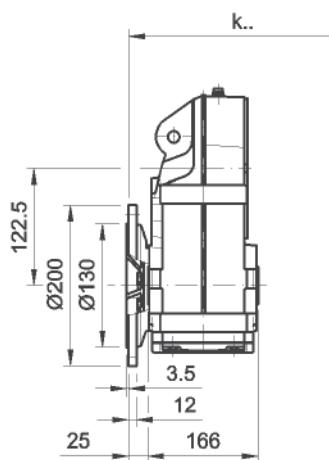
SPFN26..



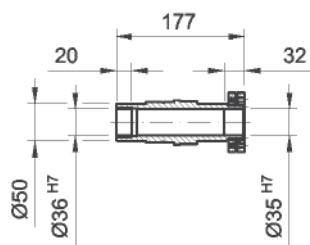
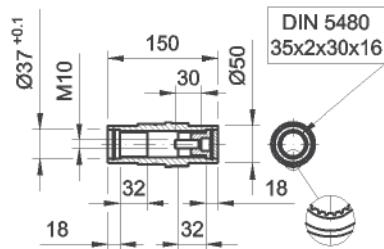
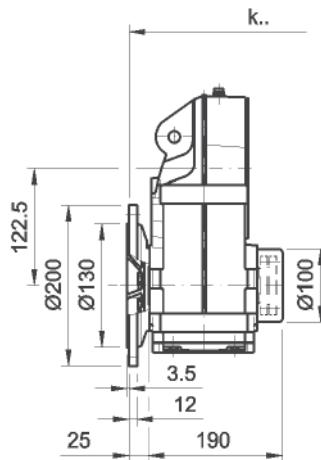
SPFS26..



SPFT26..

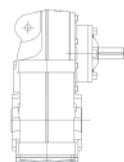


SPFC26..



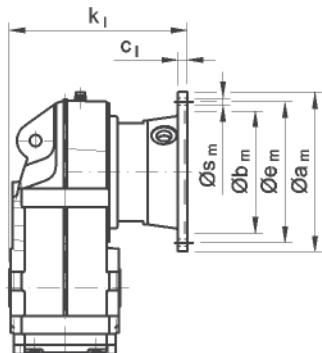


5. SP4

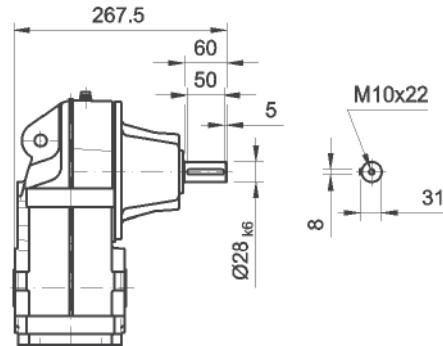


SPZ..36B-U

71 - 132

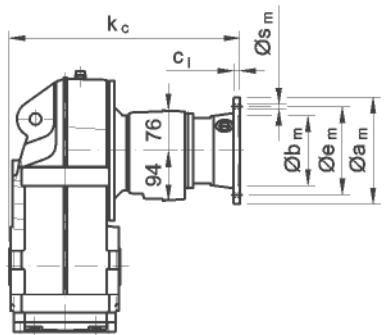


SPZ..36B-I

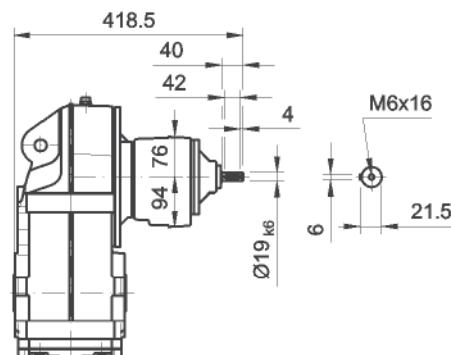


SPZ..36B16B/C-U

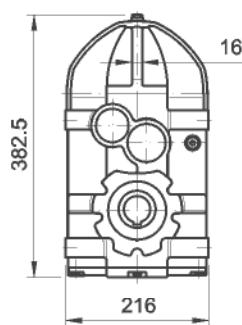
63 - 112



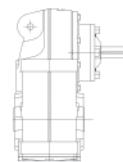
SPZ..36B16B/C-I



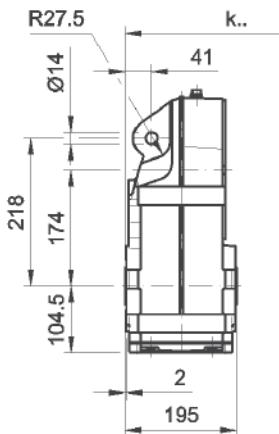
SPZ..36..



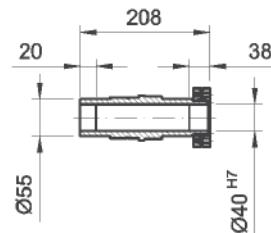
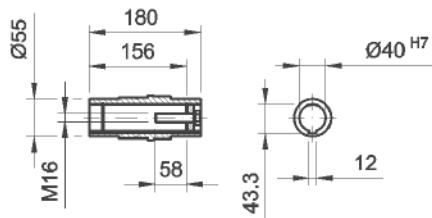
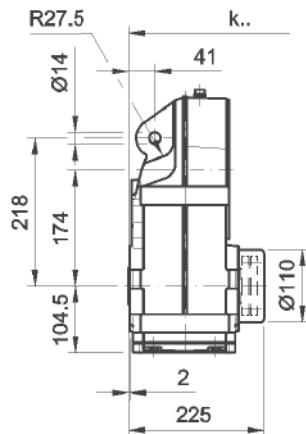
	63	71	80	90S	90L	100	112	132S	132M									
kI	235	235	235	235	235	235	235	298	298									
cI	8	8	10	10	10	12	12	13	13									
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7									
Øem	115	130	165	165	165	215	215	265	265									
Øam	140	160	200	200	200	250	250	300	300									
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5									
kc	406	406	406	406	406	406	406	406	406									



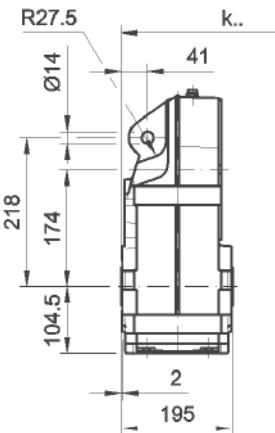
SPZH36..



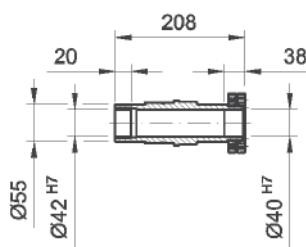
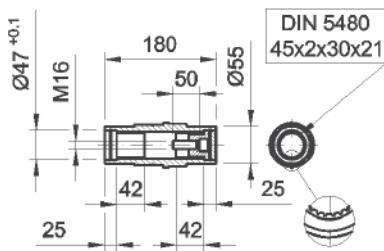
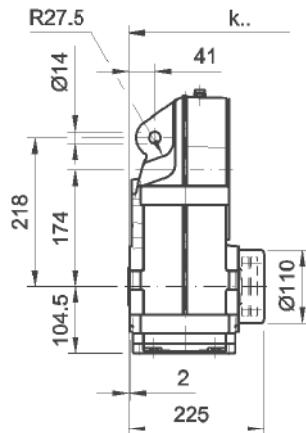
SPZS36..



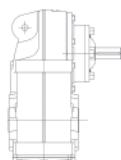
SPZT36..



SPZC36..

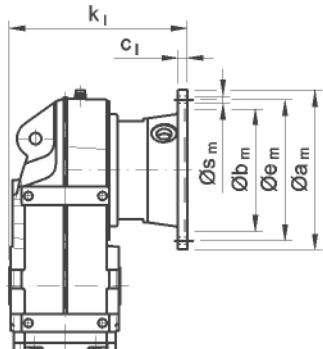


5. SP4

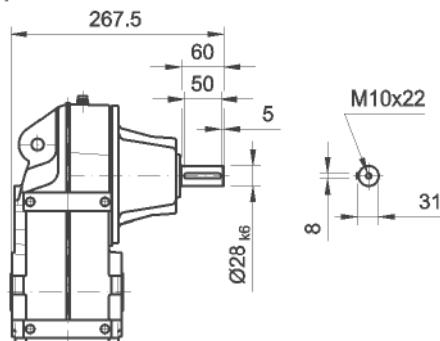


SPZ..36BF-U

71 - 132

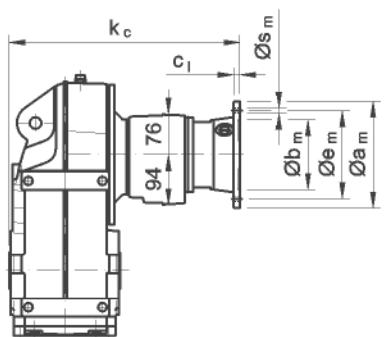


SPZ..36BF-I

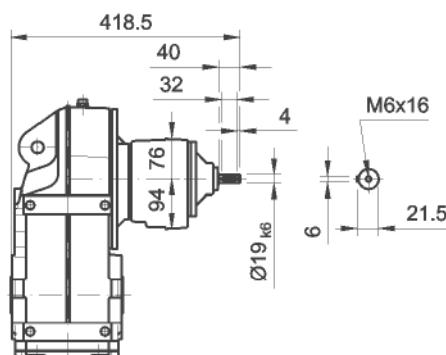


SPZ..36B16B/CF-U

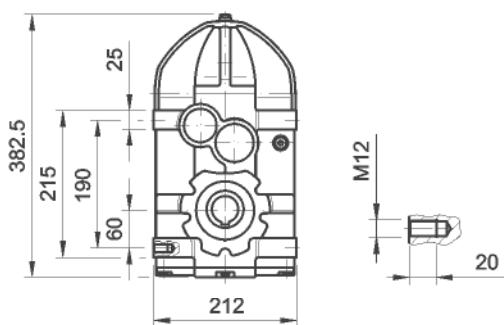
63 - 112



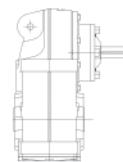
SPZ..36B16B/CF-I



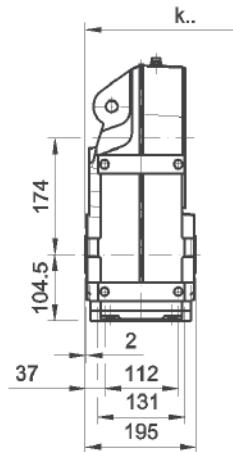
SPZ..36..F..



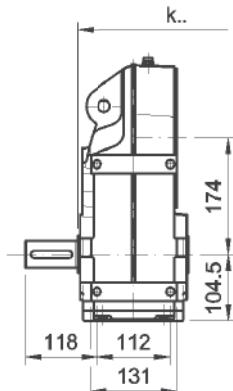
5. SP4



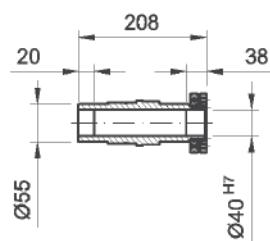
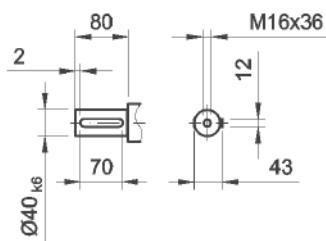
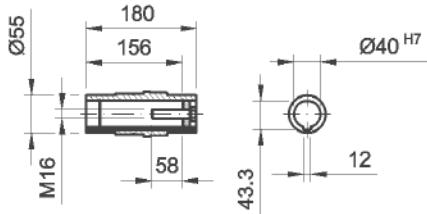
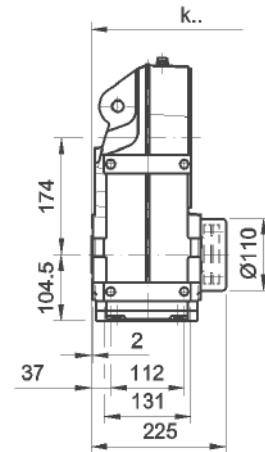
SPZH36..F..



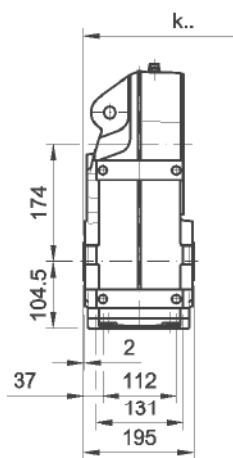
SPZN36..F..



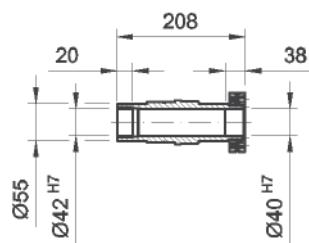
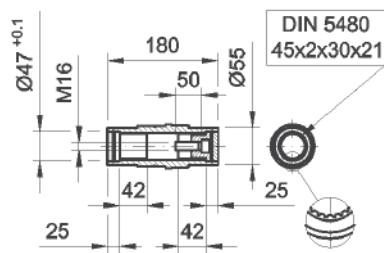
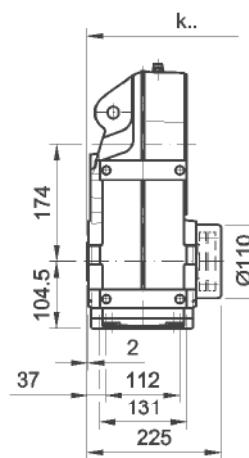
SPZS36..F..



SPZT36..F..

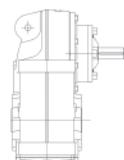


SPZC36..F..



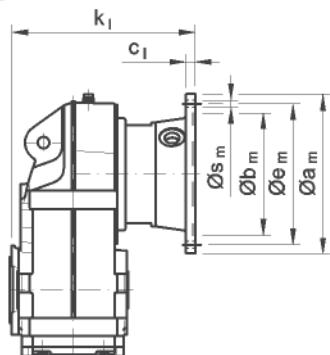


5. SP4

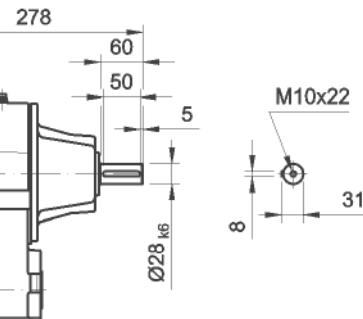


SPT..36B-U

71 - 132

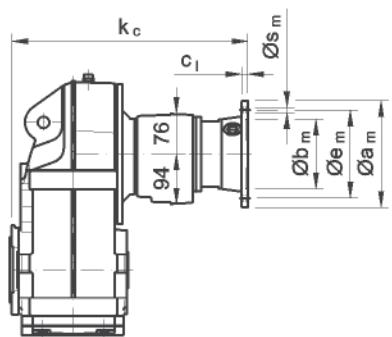


SPT..36B-I

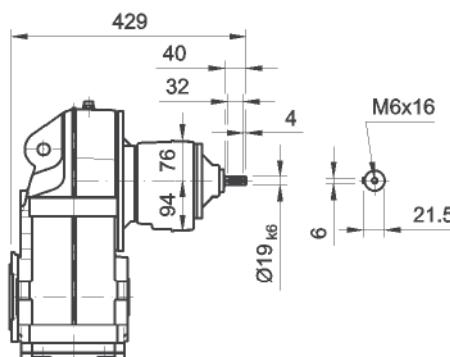


SPT..36B16B/C-U

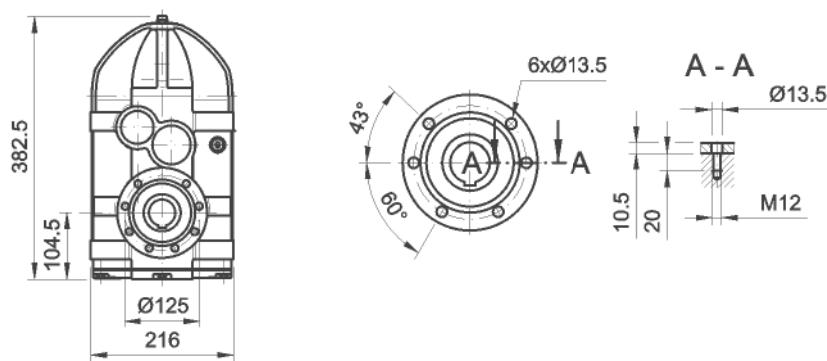
63 - 112



SPT..36B16B/C-I



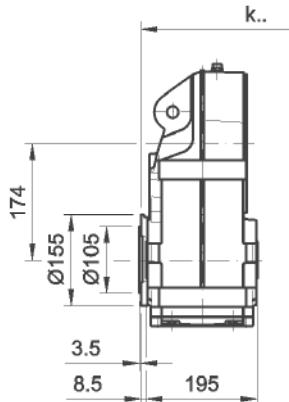
SPT..36..



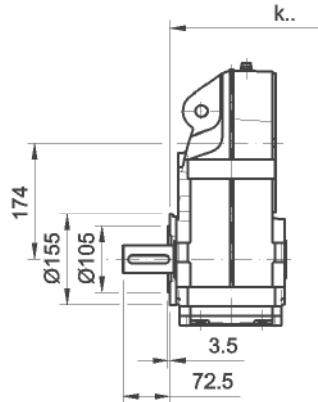
	63	71	80	90S	90L	100	112	132S	132M									
k _l		246	246	246	246	246	246	308	308									
c _l	8	8	10	10	10	12	12	13	13									
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7									
Øem	115	130	165	165	165	215	215	265	265									
Øam	140	160	200	200	200	250	250	300	300									
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5									
kc	417	417	417	417	417	417	417	417	417									

5. SP4

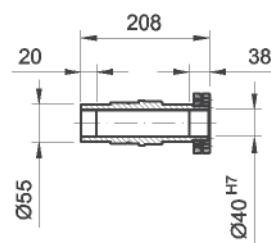
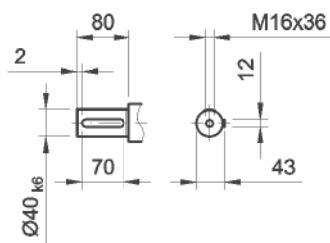
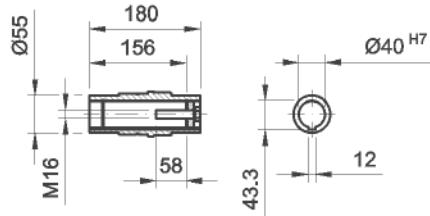
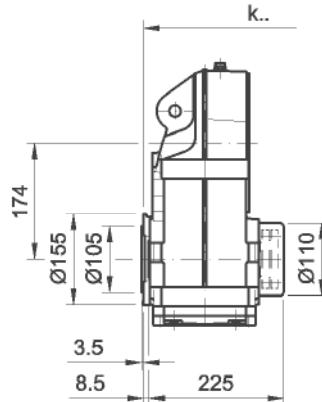
SPTH36..



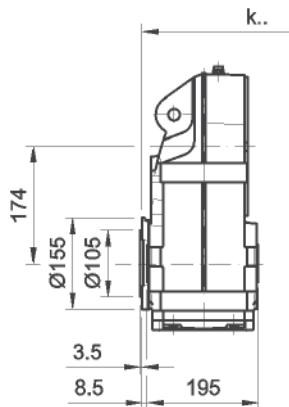
SPTN36..



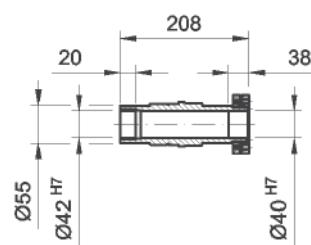
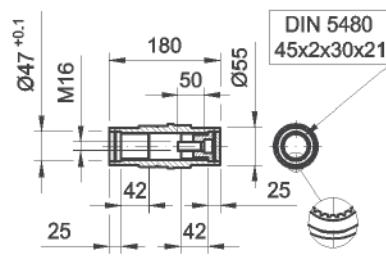
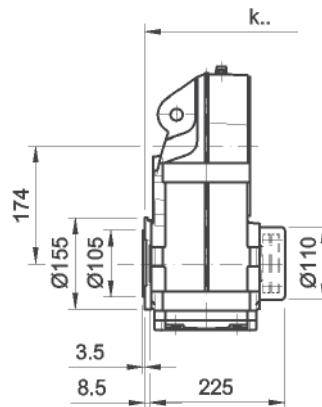
SPTS36..



SPTT36..

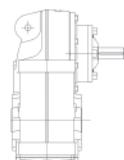


SPTC36..



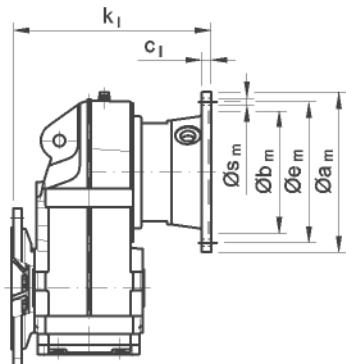


5. SP4



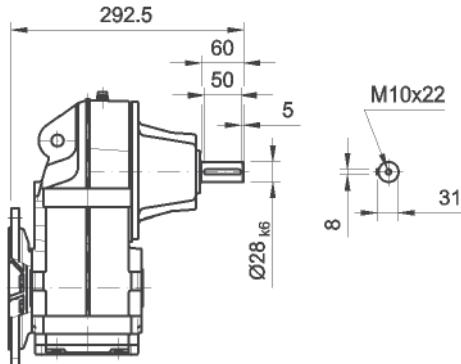
SPF..36B-U

71 - 132



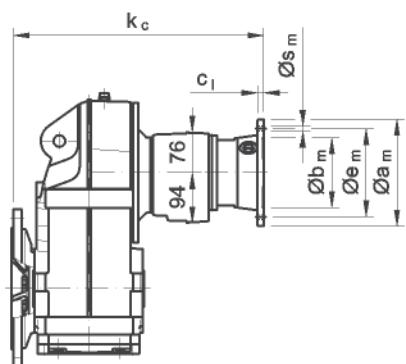
SPF..36B-I

292.5



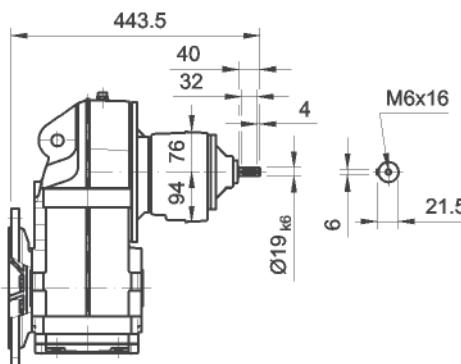
SPF..36B16B/C-U

63 - 112

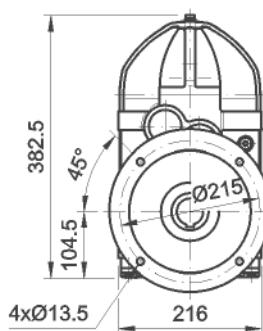


SPF..36B16B/C-I

443.5

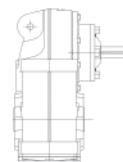


SPF..36..

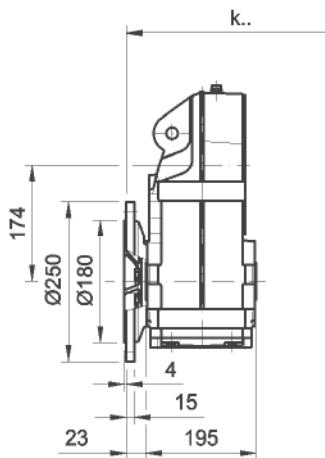


	63	71	80	90S	90L	100	112	132S	132M								
k1		260	260	260	260	260	260	323	323								
c1	8	8	10	10	10	12	12	13	13								
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7								
Øem	115	130	165	165	165	215	215	265	265								
Øam	140	160	200	200	200	250	250	300	300								
Øsm	4xM8x16	4xM8x16	4xØ11	4xØ11	4xØ11	4xØ13.5	4xØ13.5	4xØ13.5	4xØ13.5								
kc	431	431	431	431	431	431	431	431	431								

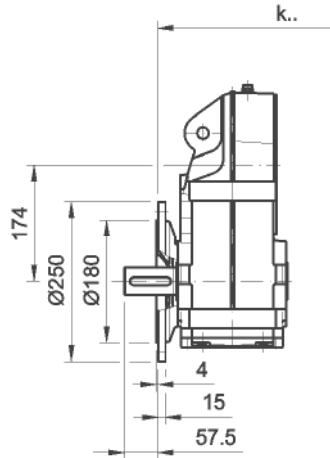
5. SP4



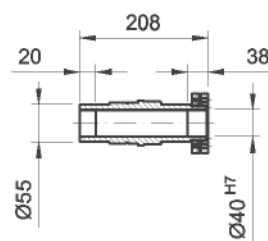
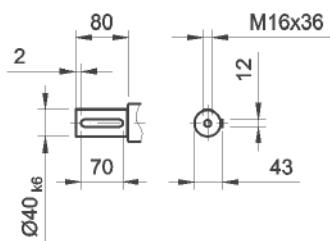
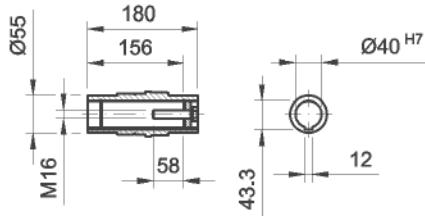
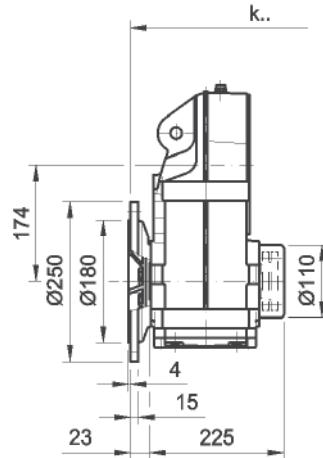
SPFH36..



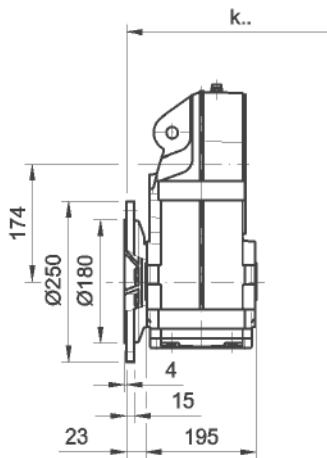
SPFN36..



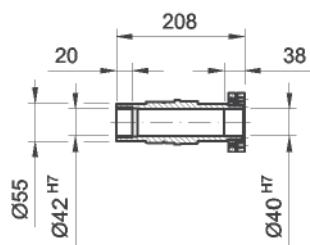
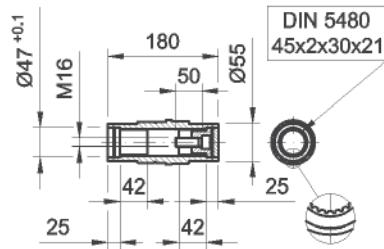
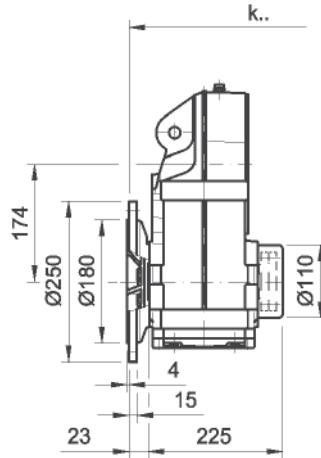
SPFS36..



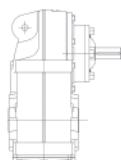
SPFT36..



SPFC36..

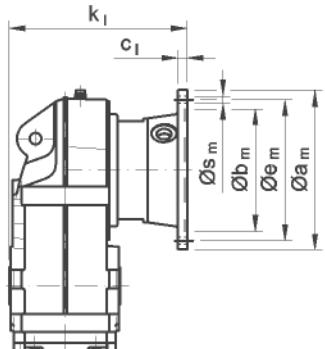


5. SP4

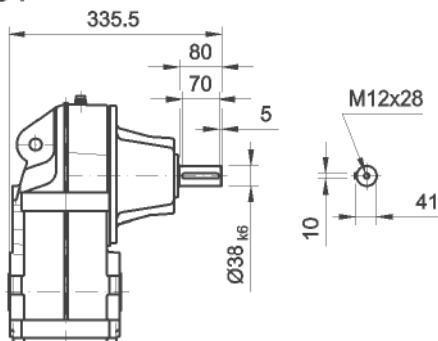


SPZ..46B/C-U

80 - 180

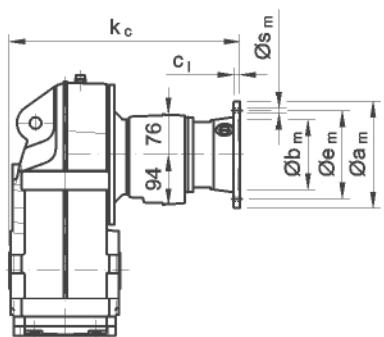


SPZ..46B/C-I

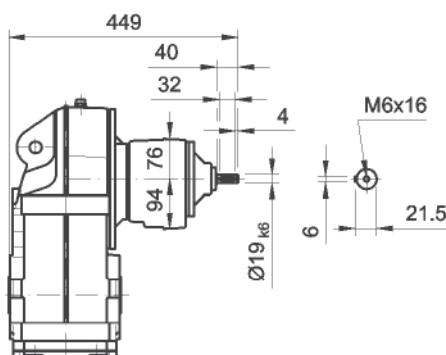


SPZ..46B/C16B/C-U

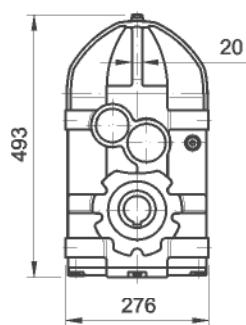
63 - 112



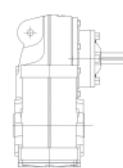
SPZ..46B/C16B/C-I



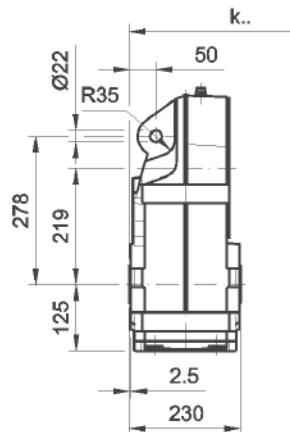
SPZ..46..



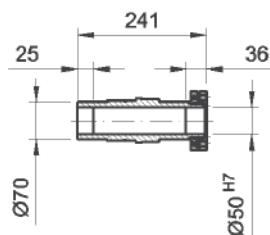
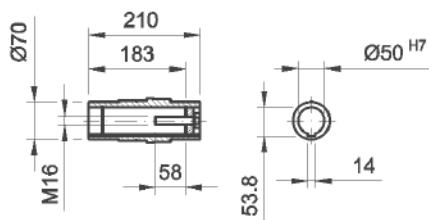
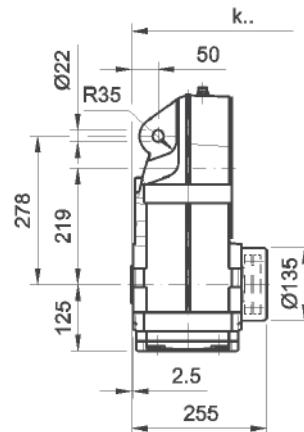
5. SP4



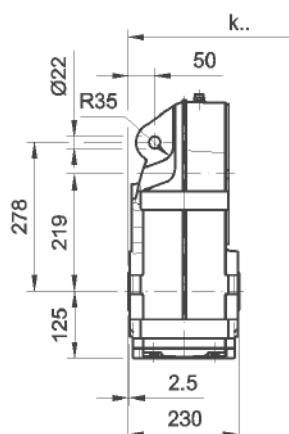
SPZH46..



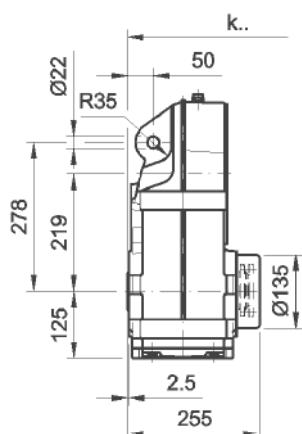
SPZS46..



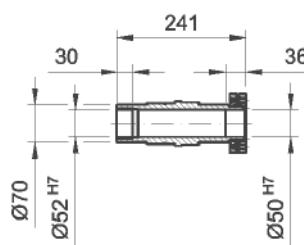
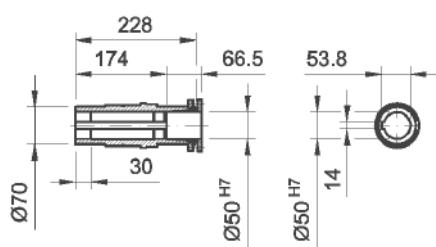
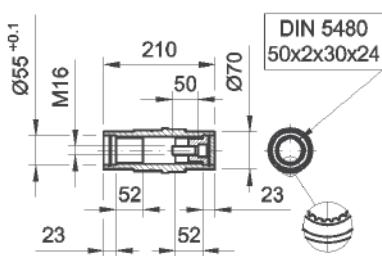
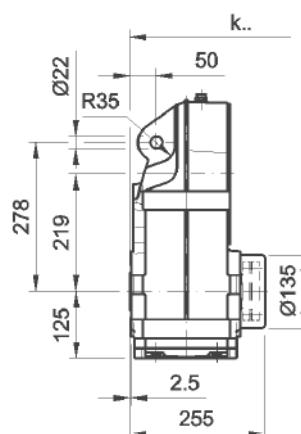
SPZT46..



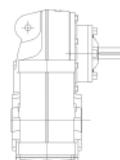
SPZB46..



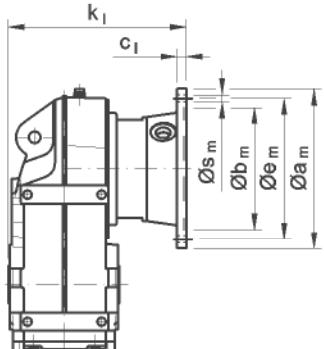
SPZC46..



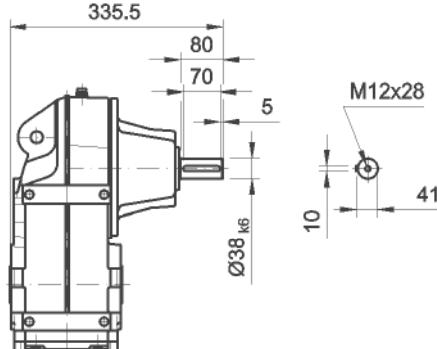
5. SP4


SPZ..46B/CF-U

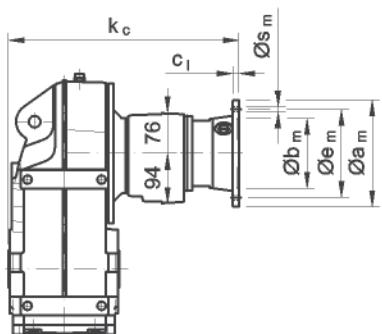
80 - 180


SPZ..46B/CF-I

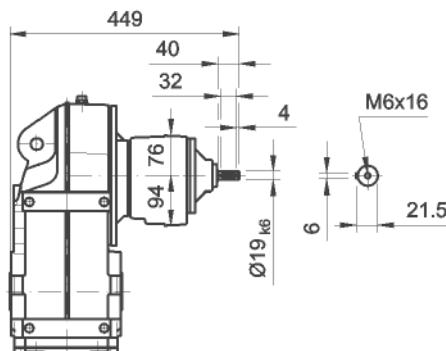
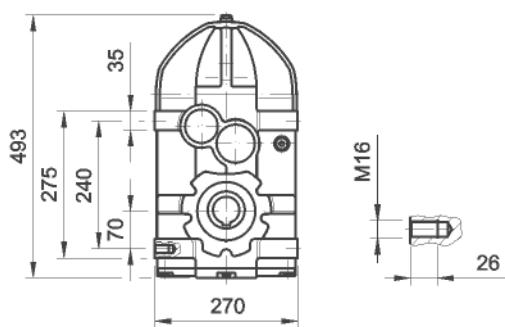
335.5


SPZ..46B/C16B/CF-U

63 - 112


SPZ..46B/C16B/CF-I

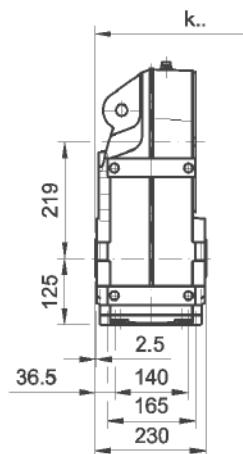
449


SPZ..46..F..


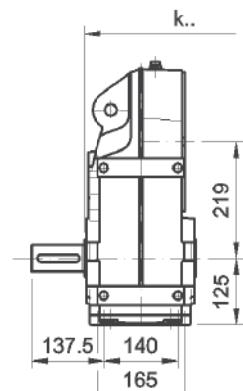
	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k1			267	267	267	267	267	329	329	394	394	394	394				
c1	8	8	10	10	10	12	12	13	13	15	15	15	15				
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Øem	115	130	165	165	165	215	215	265	265	300	300	300	300				
Øam	140	160	200	200	200	250	250	300	300	350	350	350	350				
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5				
kc	437	437	437	437	437	437	437	437	437								

5. SP4

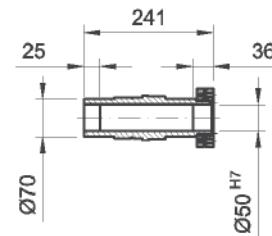
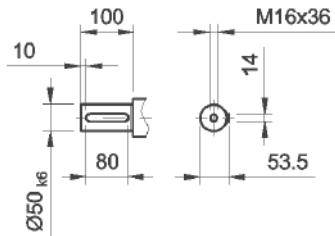
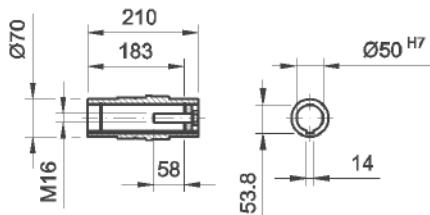
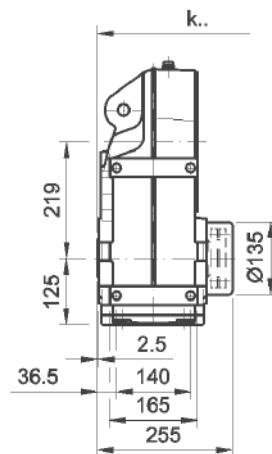
SPZH46..F..



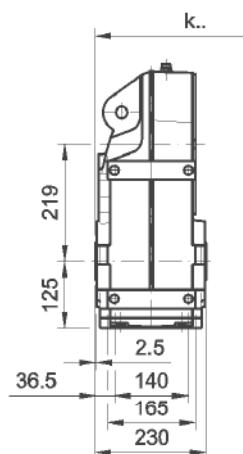
SPZN46..F..



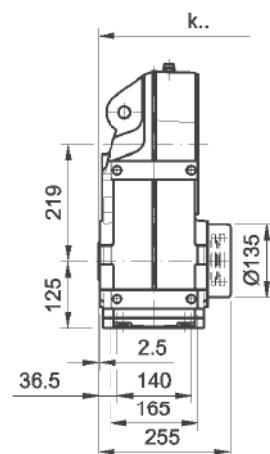
SPZS46..F..



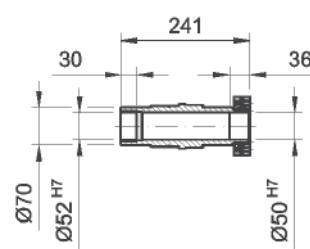
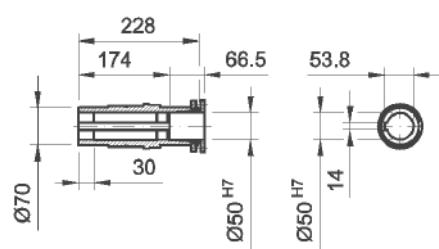
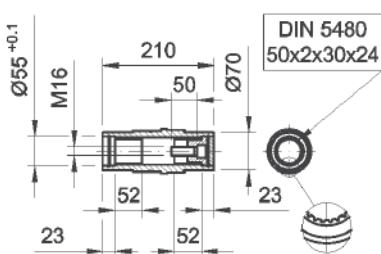
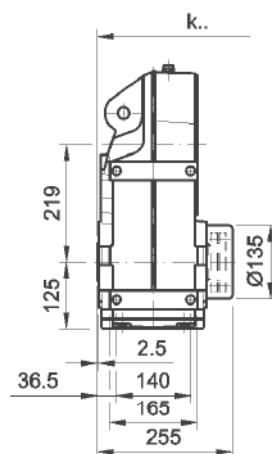
SPZT46..F..



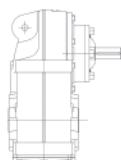
SPZB46..F..



SPZC46..F..

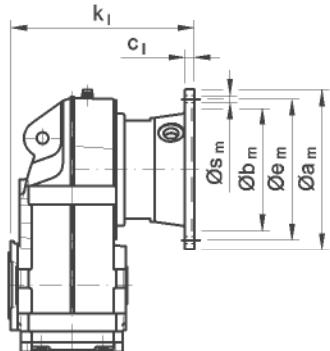


5. SP4

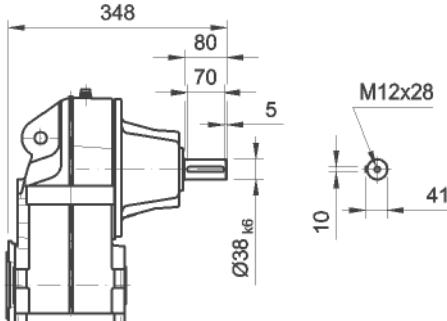


SPT..46B/C-U

80 - 180

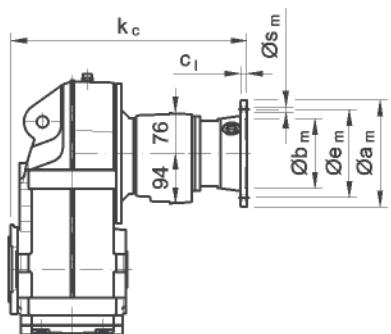


SPT..46B/C-I

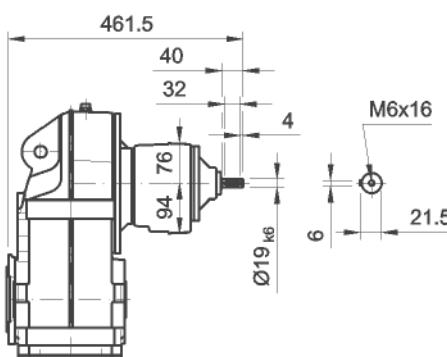


SPT..46B/C16B/C-U

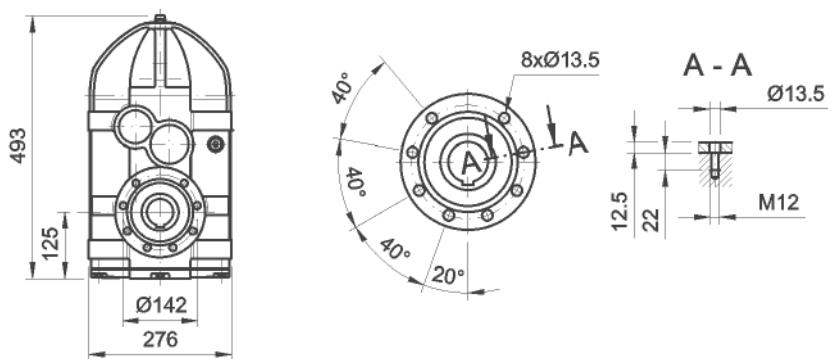
63 - 112



SPT..46B/C16B/C-I

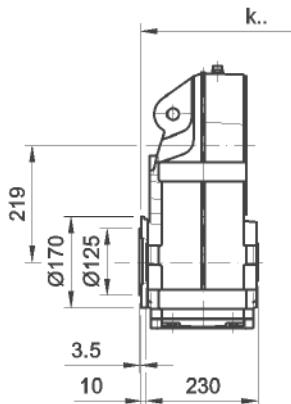


SPT..46..

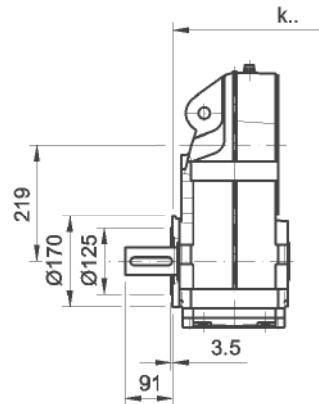


5. SP4

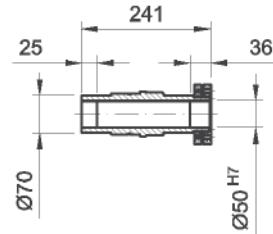
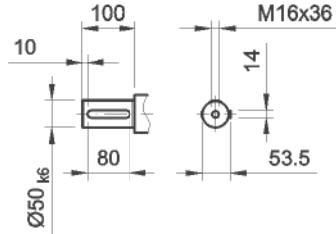
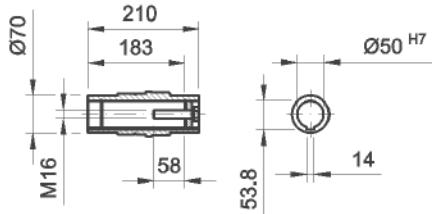
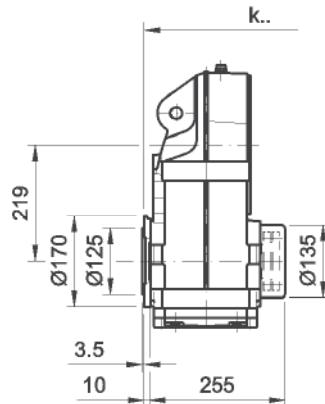
SPTH46..



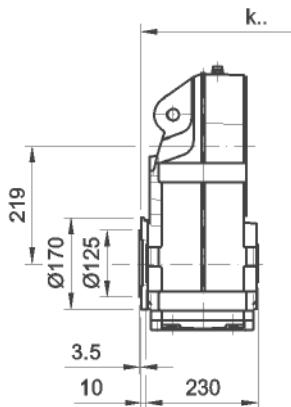
SPTN46..



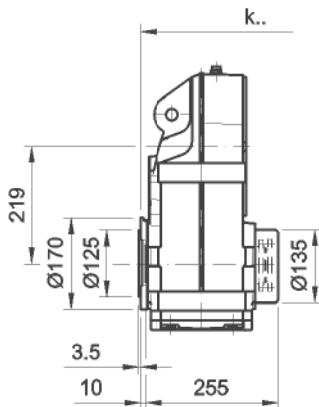
SPTS46..



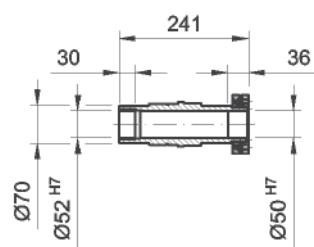
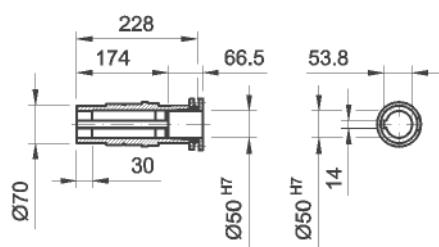
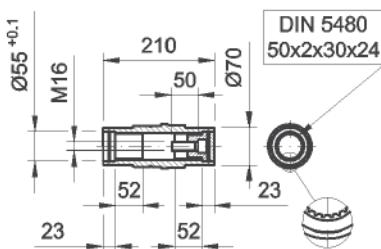
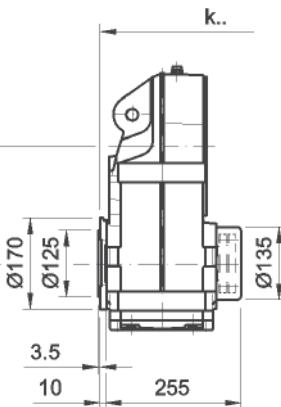
SPTT46..



SPTB46..

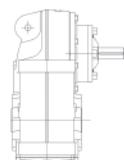


SPTC46..



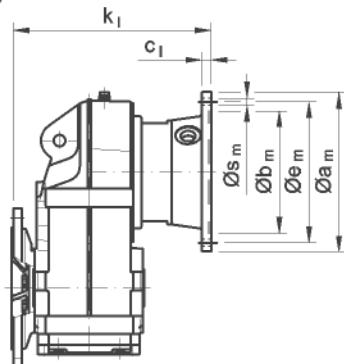


5. SP4

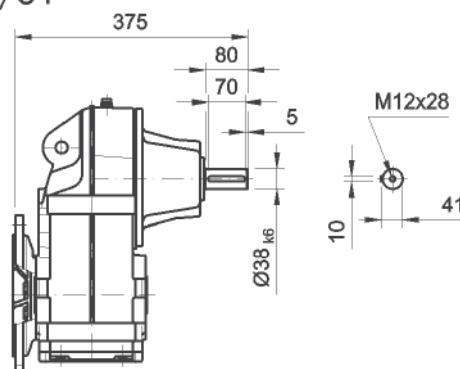


SPF..46B/C-U

80 - 180

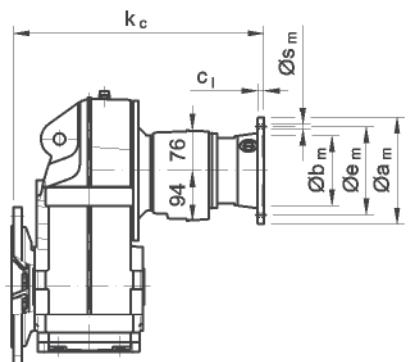


SPF..46B/C-I

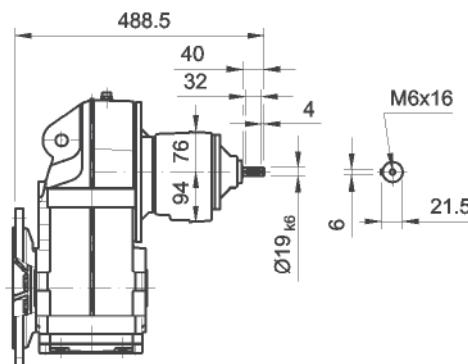


SPF..46B/C16B/C-U

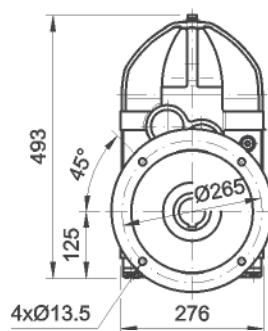
63 - 112



SPF..46B/C16B/C-I

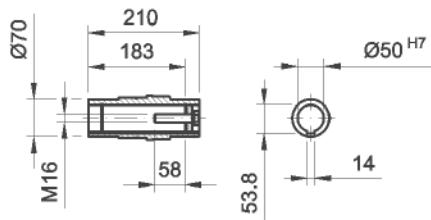
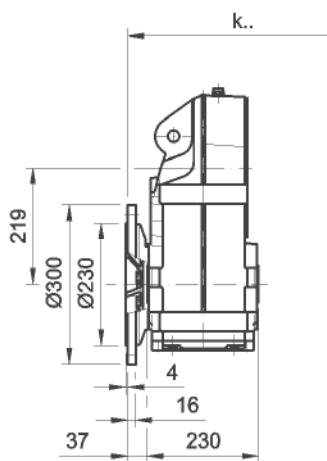


SPF..46..

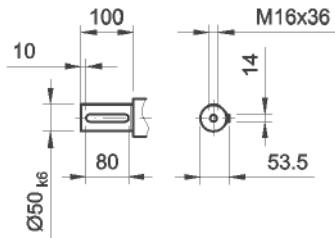
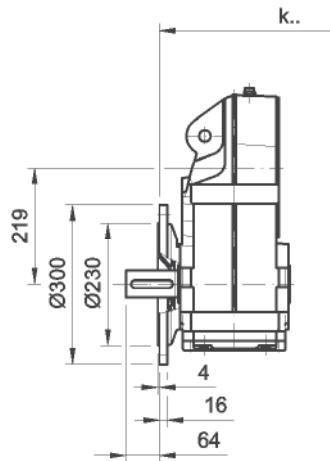


	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L						
k _l			306	306	306	306	306	369	369	434	434	434	434						
c _l	8	8	10	10	10	12	12	13	13	15	15	15	15						
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7						
Øem	115	130	165	165	165	215	215	265	265	300	300	300	300						
Øam	140	160	200	200	200	250	250	300	300	350	350	350	350						
Øsm	4xM8x16	4xM8x16	4xØ11	4xØ11	4xØ11	4xØ13,5	4xØ13,5	4xØ13,5	4xØ13,5	4xØ17,5	4xØ17,5	4xØ17,5	4xØ17,5						
kc	476	476	476	476	476	476	476	476	476										

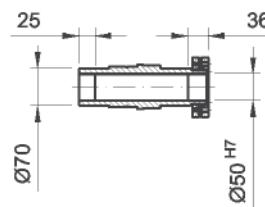
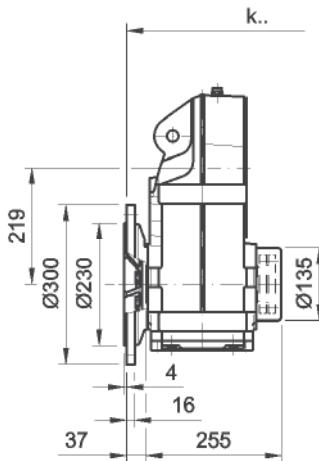
SPFH46..



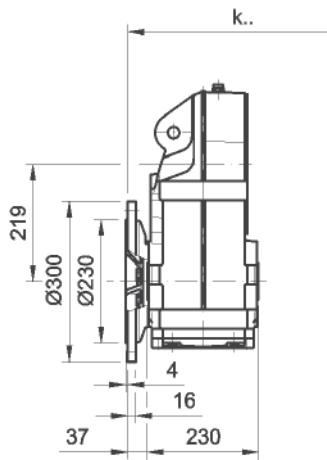
SPFN46..



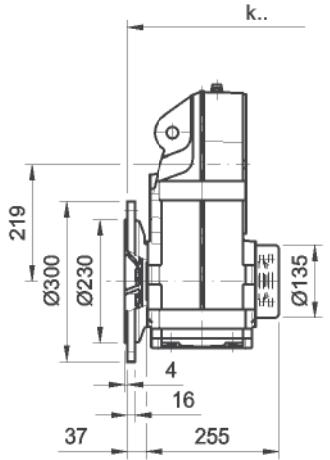
SPFS46..



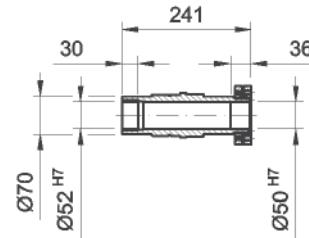
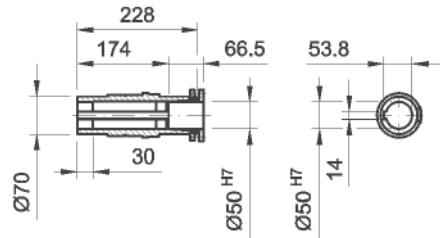
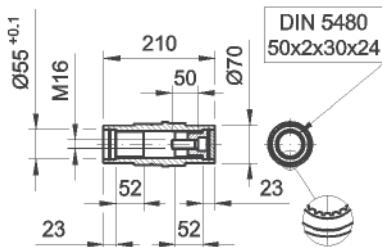
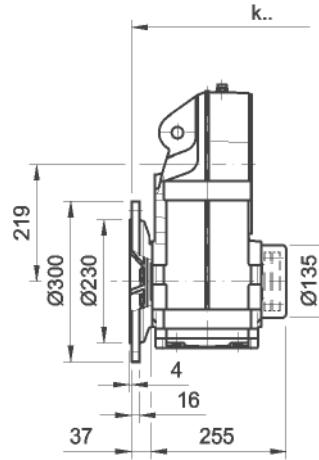
SPFT46..



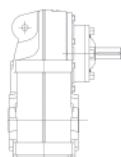
SPFB46..



SPFC46..

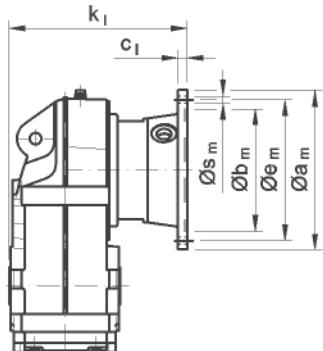


5. SP4

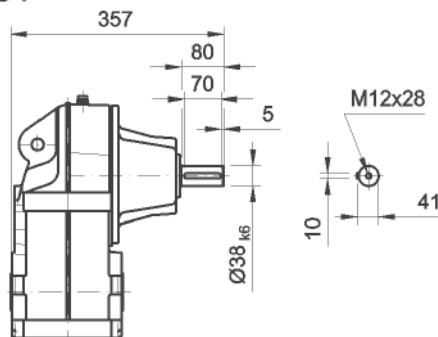


SPZ..56B/C-U

80 - 180

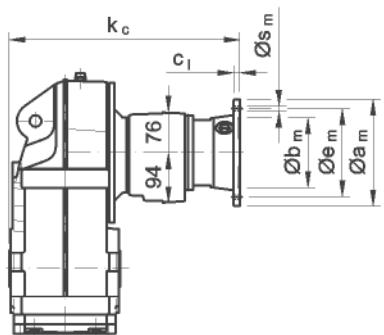


SPZ..56B/C-I

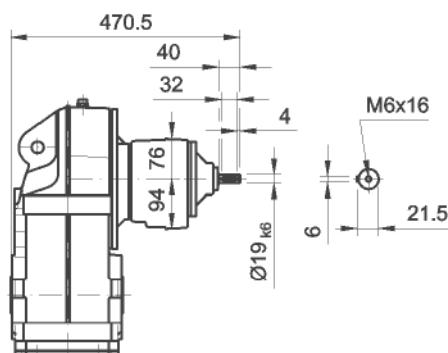


SPZ..56B/C16B/C-U

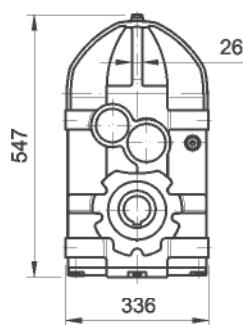
63 - 112



SPZ..56B/C16B/C-I

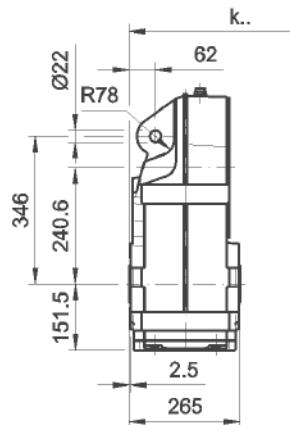


SPZ..56..

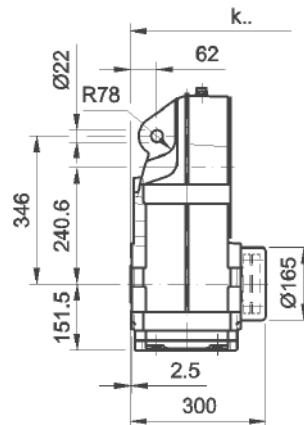


5. SP4

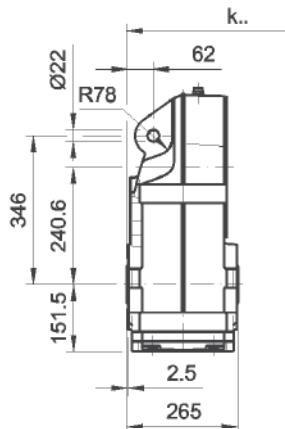
SPZH56..



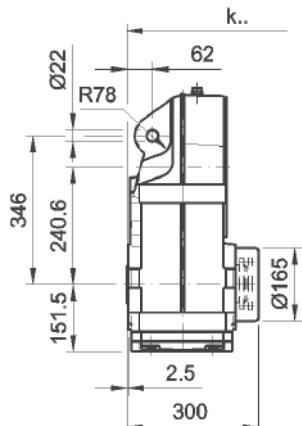
SPZS56..



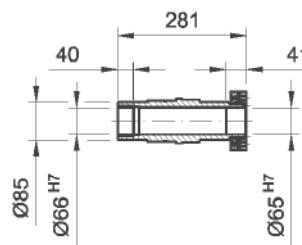
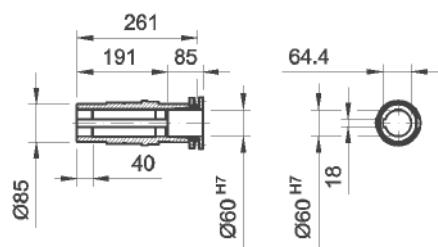
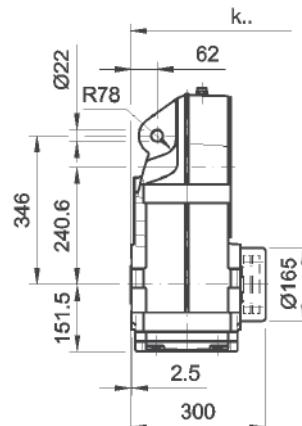
SPZT56..



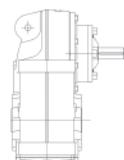
SPZB56..



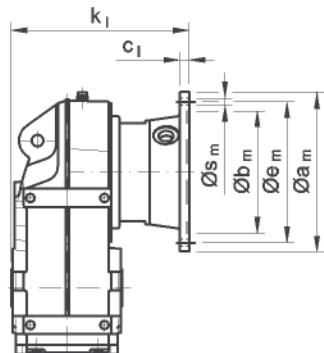
SPZC56..



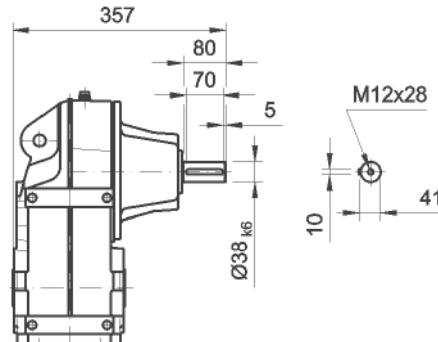
5. SP4


SPZ..56B/CF-U

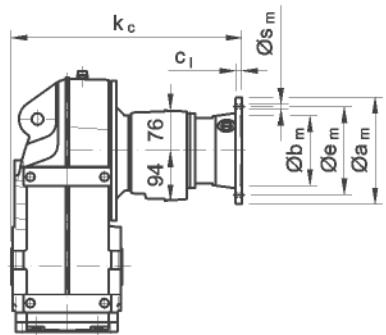
80 - 180


SPZ..56B/CF-I

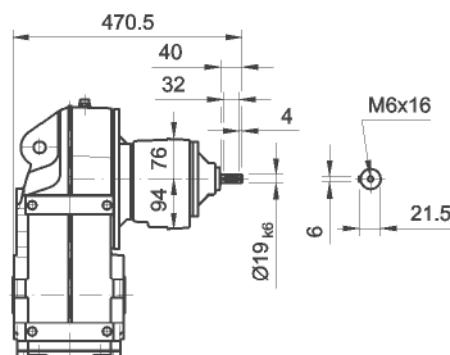
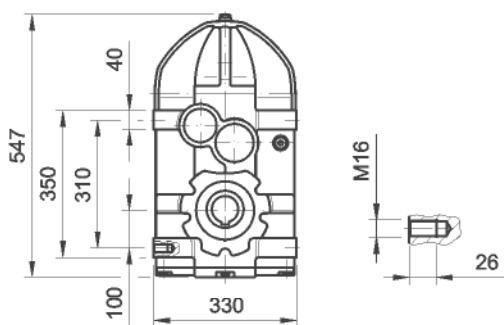
357


SPZ..56B/C16B/CF-U

63 - 112


SPZ..56B/C16B/CF-I

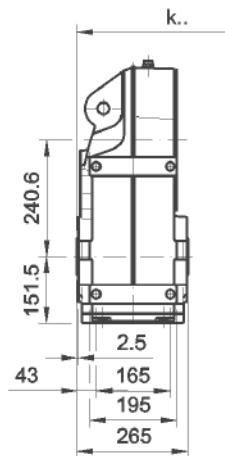
470,5


SPZ..56..F..


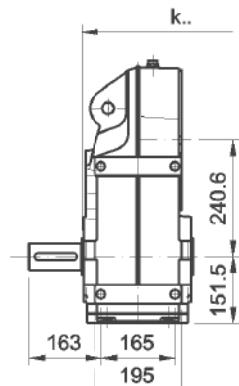
	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k1			288	288	288	288	288	351	351	416	416	416	416				
c1	8	8	10	10	10	12	12	13	13	15	15	15	15				
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Øem	115	130	165	165	165	215	215	265	265	300	300	300	300				
Øam	140	160	200	200	200	250	250	300	300	350	350	350	350				
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5				
kc	458	458	458	458	458	458	458										

5. SP4

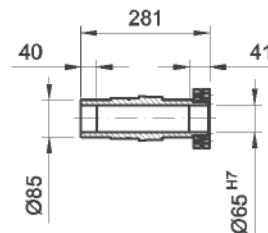
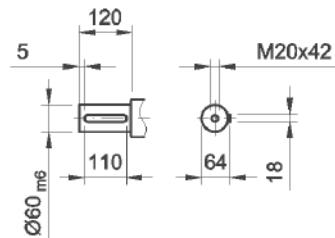
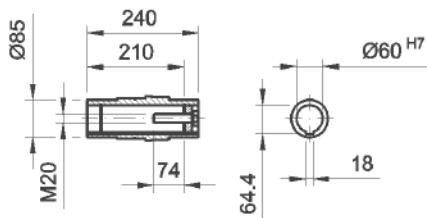
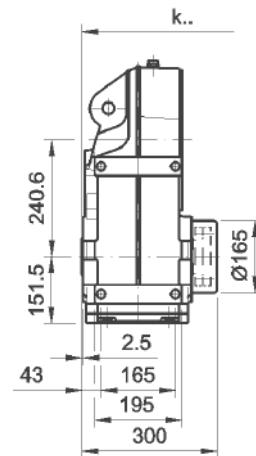
SPZH56..F..



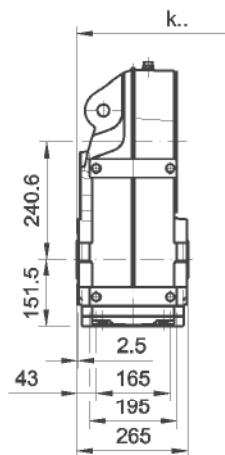
SPZN56..F..



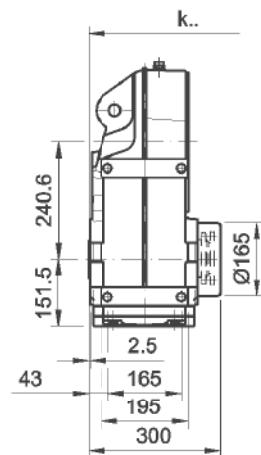
SPZS56..F..



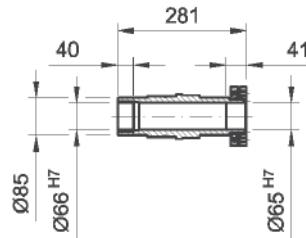
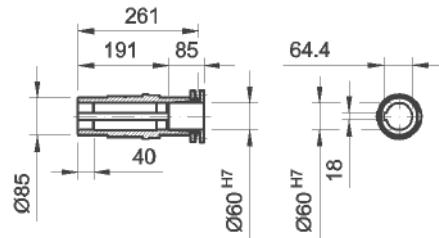
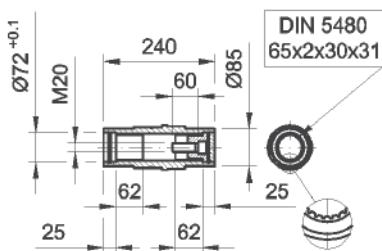
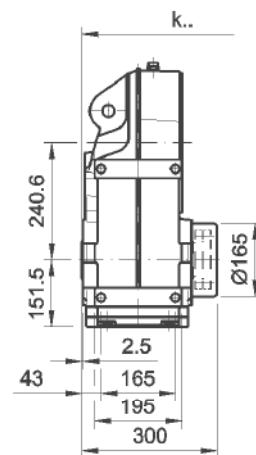
SPZT56..F..



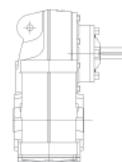
SPZB56..F..



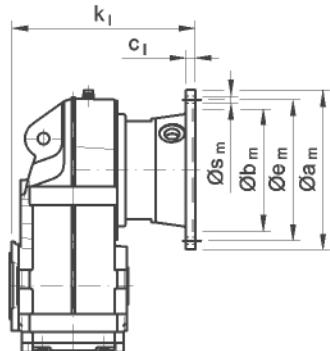
SPZC56..F..



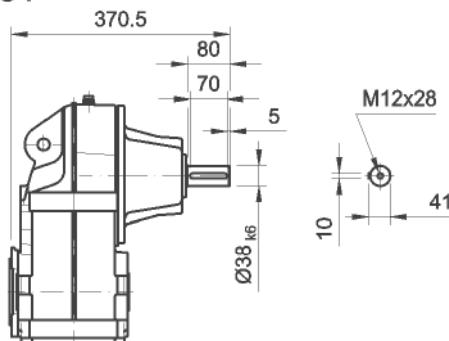
5. SP4


SPT..56B/C-U

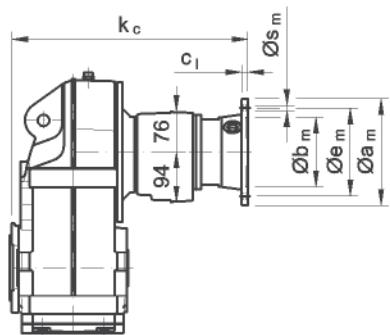
80 - 180


SPT..56B/C-I

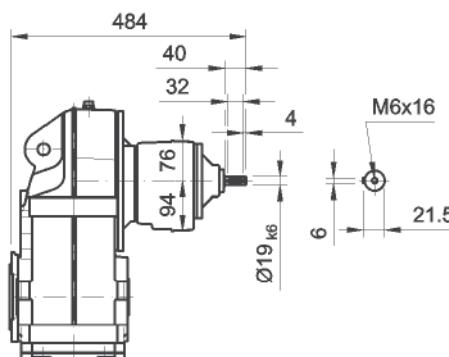
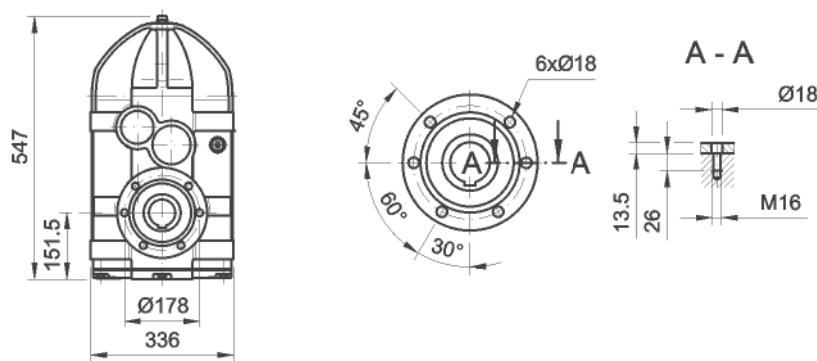
370,5


SPT..56B/C16B/C-U

63 - 112


SPT..56B/C16B/C-I

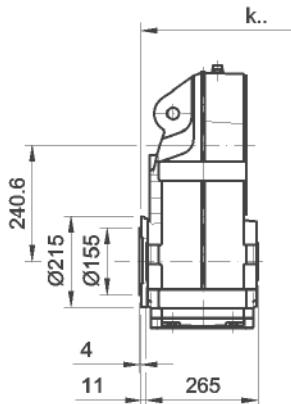
484


SPT..56..


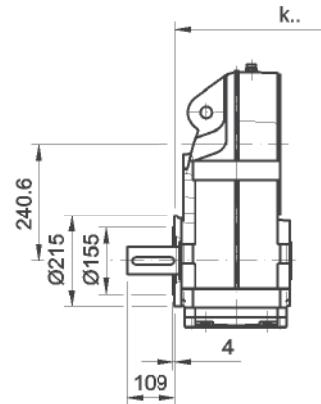
	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k1			302	302	302	302	302	364	364	429	429	429	429				
c1	8	8	10	10	10	12	12	13	13	15	15	15	15				
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Øem	115	130	165	165	165	215	215	265	265	300	300	300	300				
Øam	140	160	200	200	200	250	250	300	300	350	350	350	350				
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5				
kc	472	472	472	472	472	472	472	472	472								

5. SP4

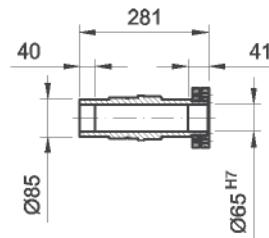
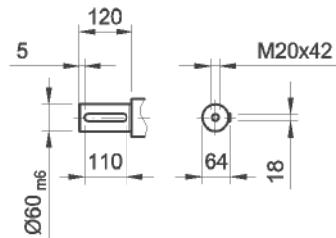
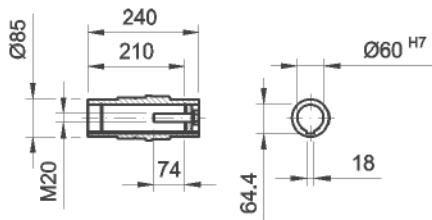
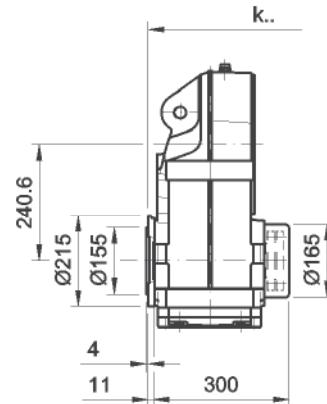
SPTH56..



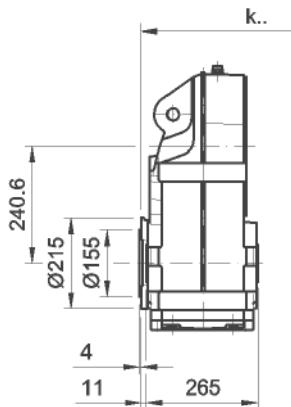
SPTN56..



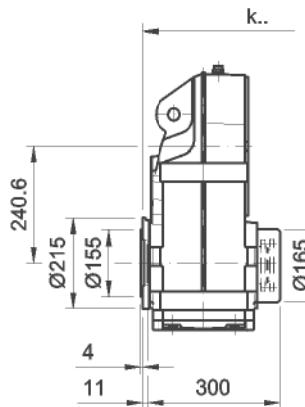
SPTS56..



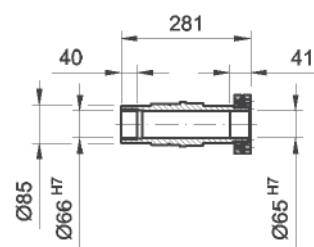
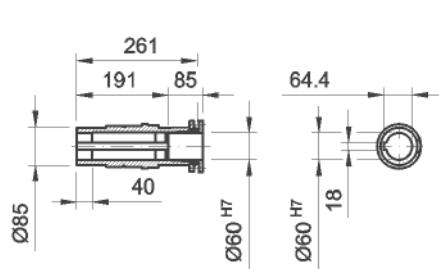
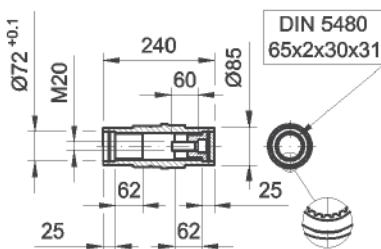
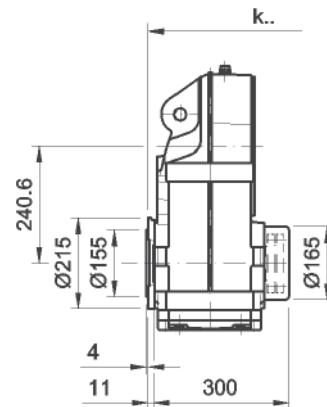
SPTT56..



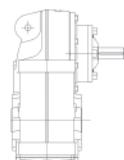
SPTB56..



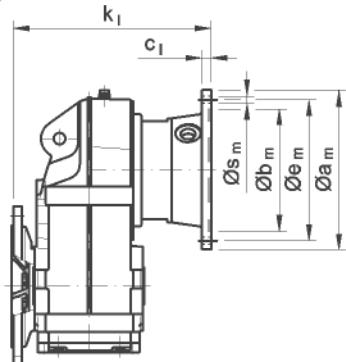
SPTC56..



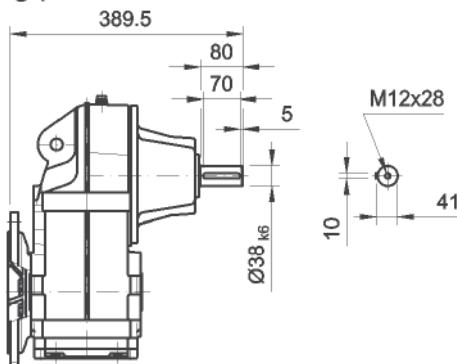
5. SP4


SPF..56B/C-U

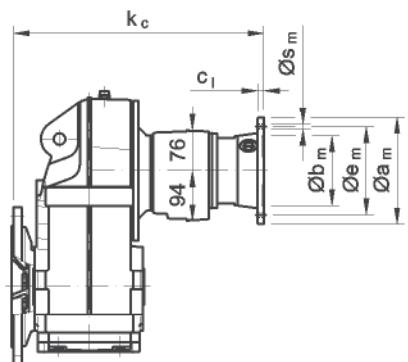
80 - 180


SPF..56B/C-I

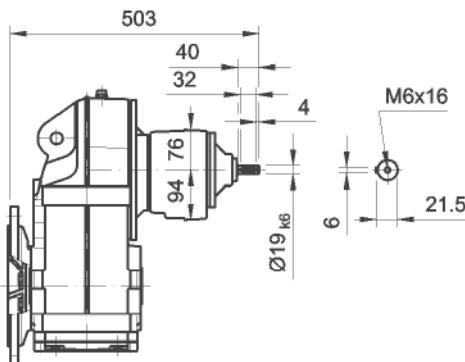
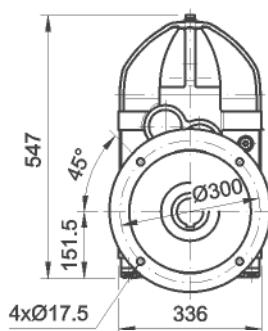
389.5


SPF..56B/C16B/C-U

63 - 112


SPF..56B/C16B/C-I

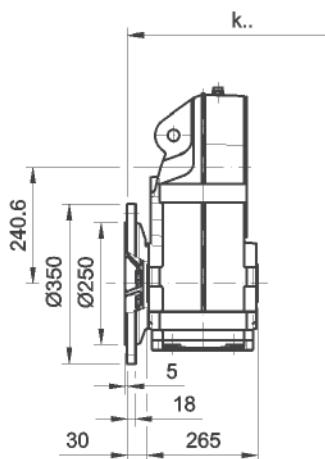
503


SPF..56..


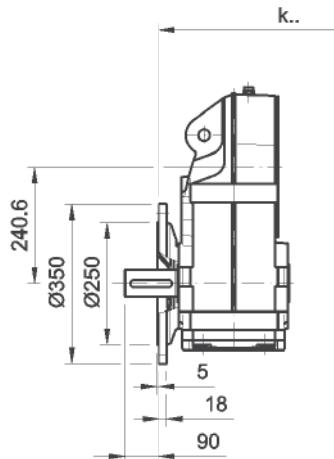
	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k1			321	321	321	321	321	383	383	448	448	448	448				
c1	8	8	10	10	10	12	12	13	13	15	15	15	15				
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Øem	115	130	165	165	165	215	215	265	265	300	300	300	300				
Øam	140	160	200	200	200	250	250	300	300	350	350	350	350				
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5				
kc	491	491	491	491	491	491	491	491	491	491	491	491	491				

5. SP4

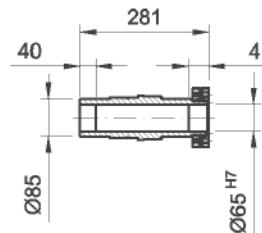
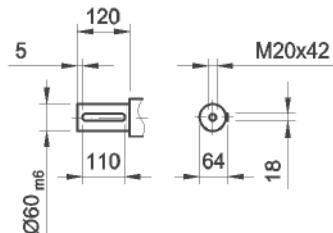
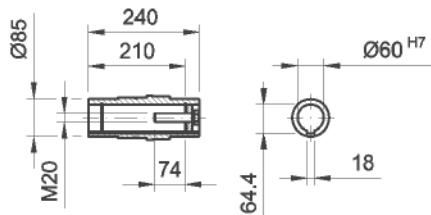
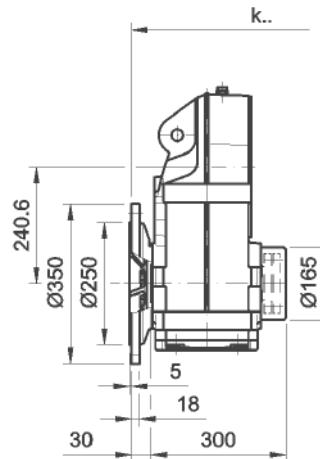
SPFH56..



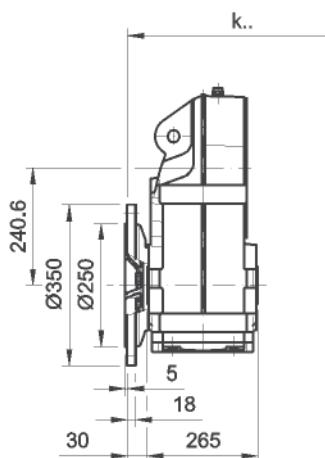
SPFN56..



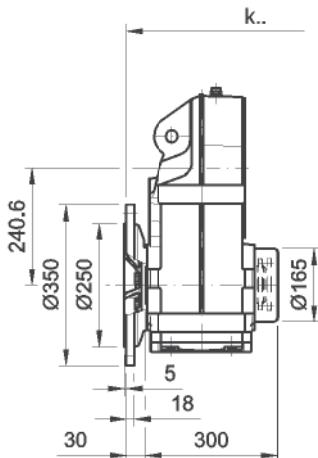
SPFS56..



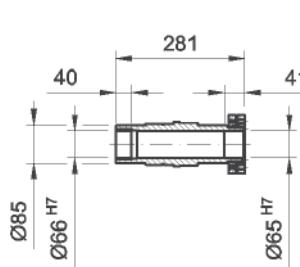
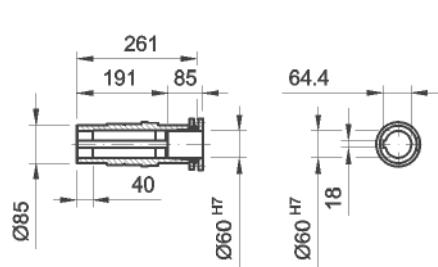
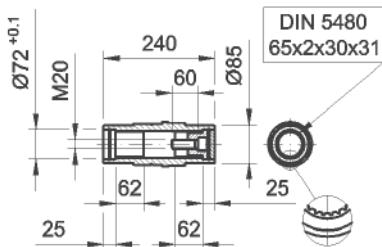
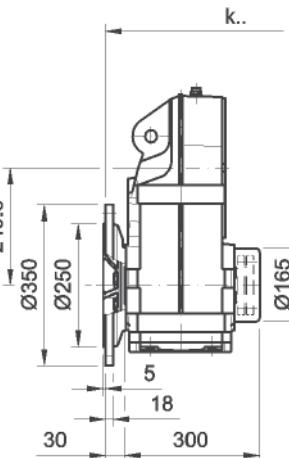
SPFT56..



SPFB56..

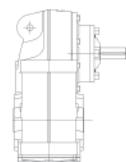


SPFC56..



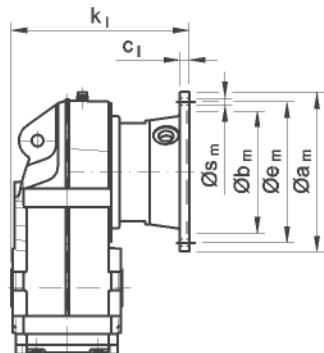


5. SP4



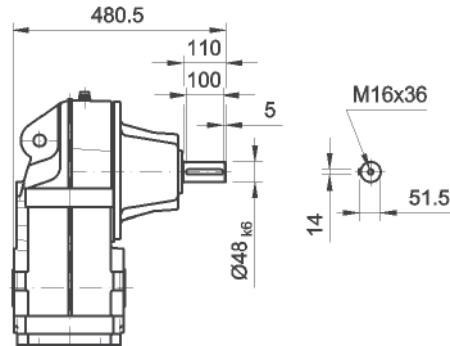
SPZ..66B/C-U

100 - 280



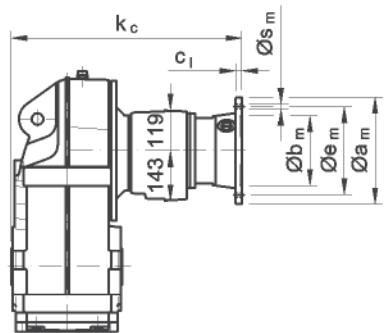
SPZ..66B/C-I

480.5



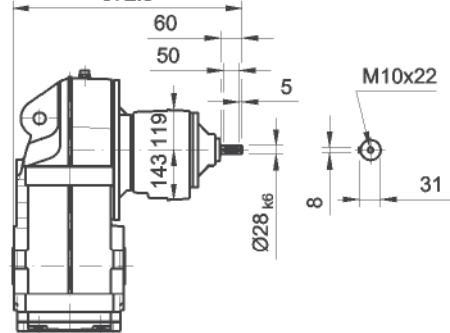
SPZ..66B/C36B/C-U

71 - 132

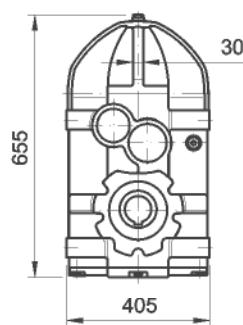


SPZ..66B/C36B/C-I

572.5

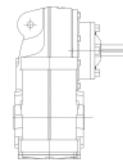


SPZ..66..

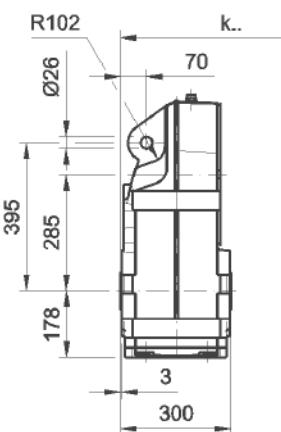


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	250M	280S	280M	
kl					383	383	383	383	448	448	540	540	565	595	595	606	606		
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25		
Dbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7		
Debm	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500		
Dam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550		
Dsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5	8x Ø17,5	8x Ø17,5	8x Ø17,5						
kc	540	540	540	540	540	540	603	603											

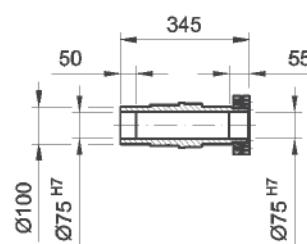
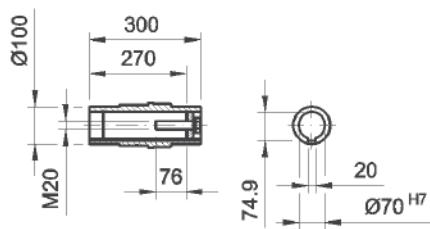
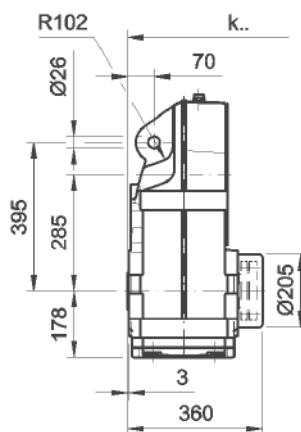
5. SP4



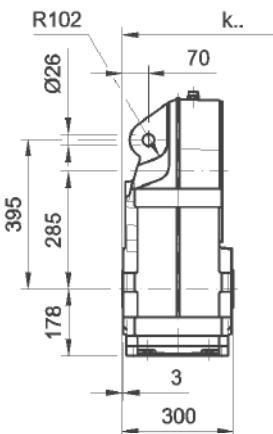
SPZH66..



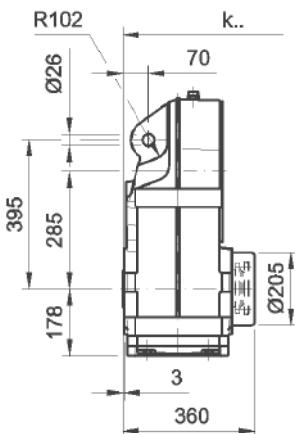
SPZS66..



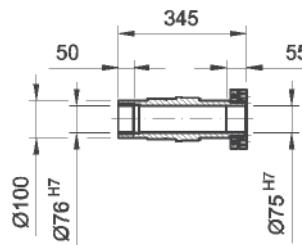
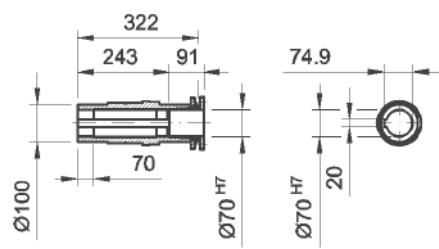
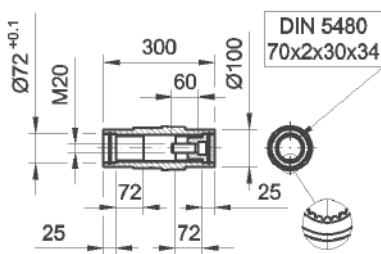
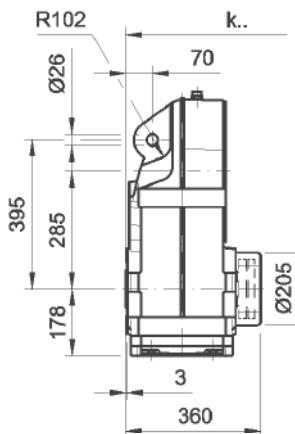
SPZT66..



SPZB66..

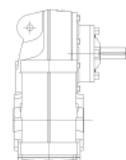


SPZC66..



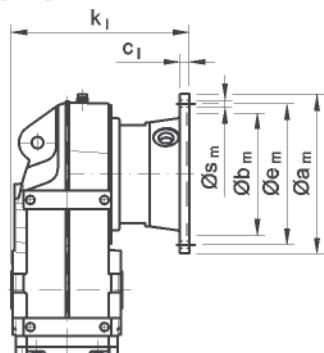


5. SP4



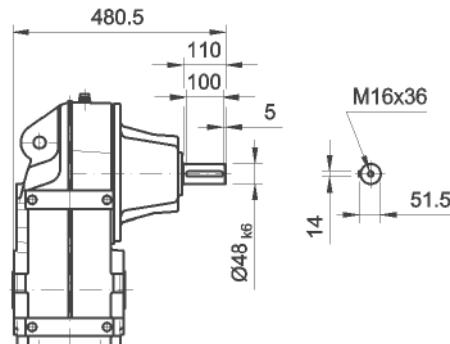
SPZ..66B/CF-U

100 - 280



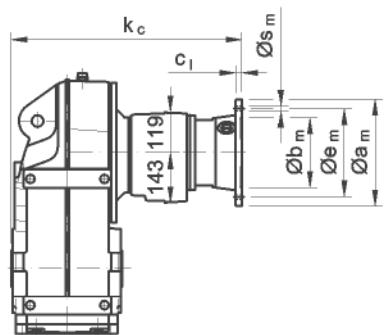
SPZ..66B/CF-I

480.5



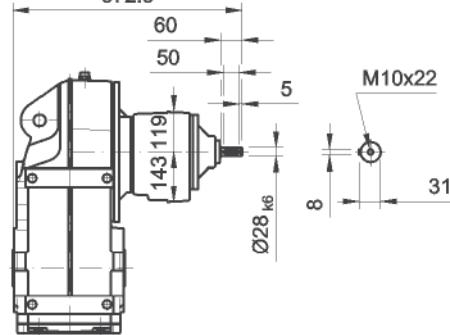
SPZ..66B/C36B/CF-U

71 - 132

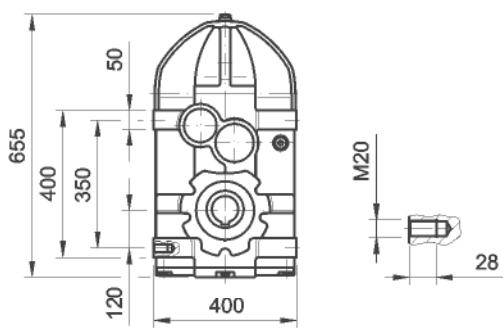


SPZ..66B/C36B/CF-I

572.5



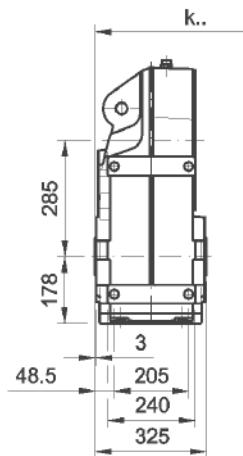
SPZ..66..F..



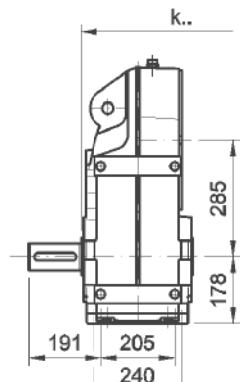
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	250M	280S	280M	
kl					383	383	383	383	448	448	540	540	565	595	595	606	606		
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25		
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7		
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500		
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550		
Øsm	4x Ø16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5	8x Ø17,5	8x Ø17,5	8x Ø17,5						
kc	540	540	540	540	540	540	603	603											

5. SP4

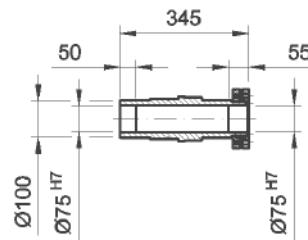
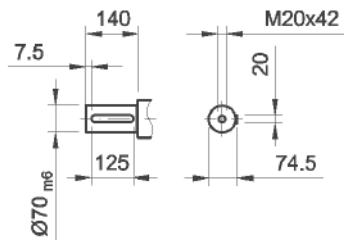
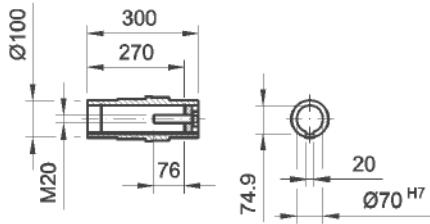
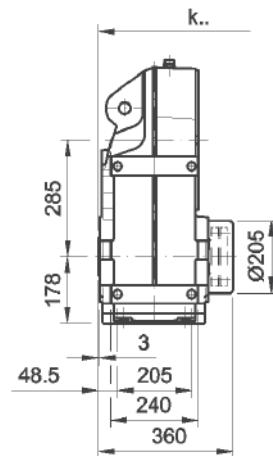
SPZH66..F..



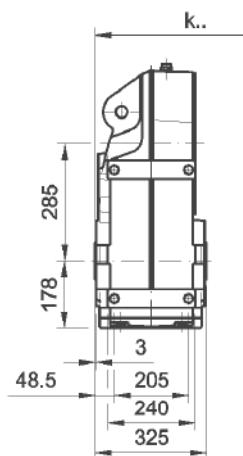
SPZN66..F..



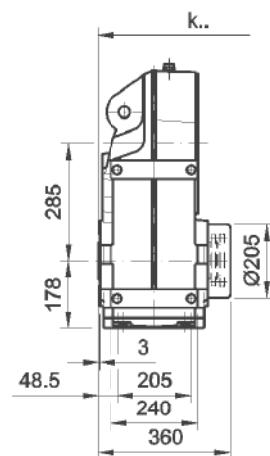
SPZS66..F..



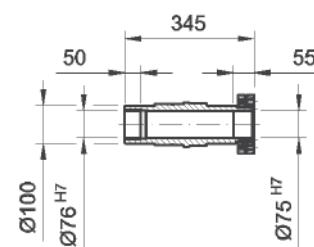
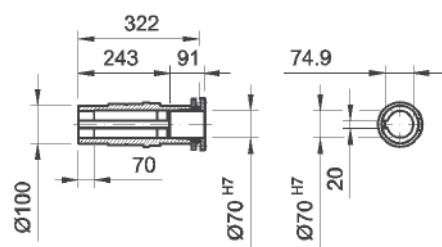
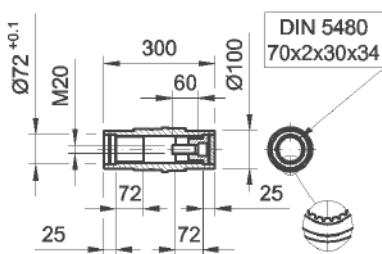
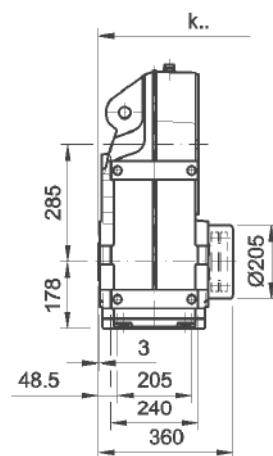
SPZT66..F..



SPZB66..F..

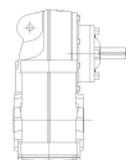


SPZC66..F..



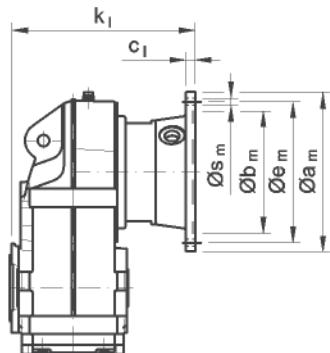


5. SP4



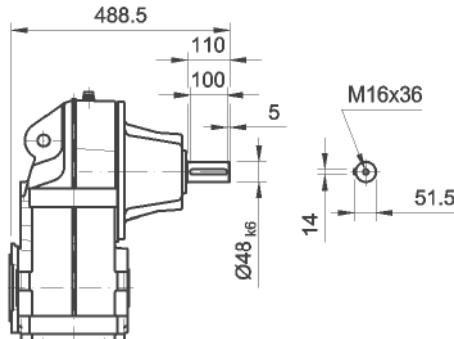
SPT..66B/C-U

100 - 280



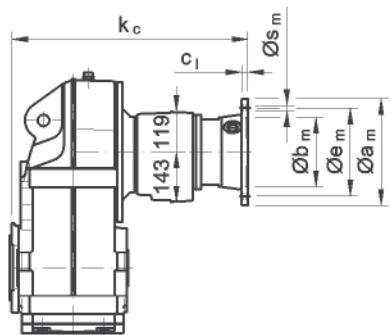
SPT..66B/C-I

488.5



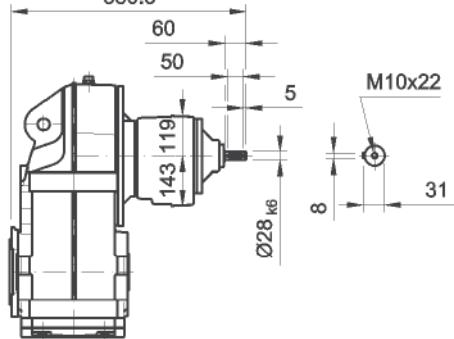
SPT..66B/C36B/C-U

71 - 132

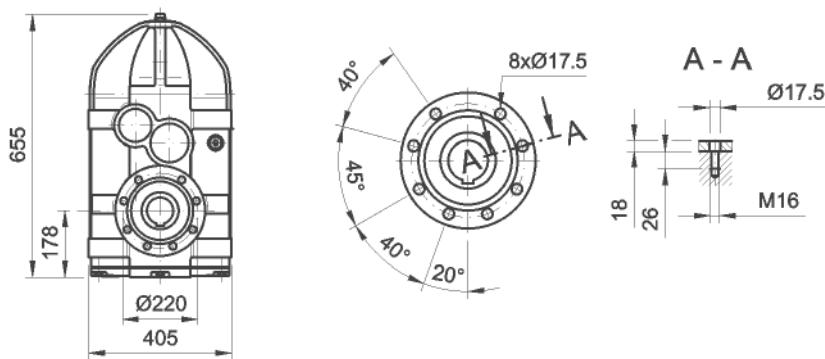


SPT..66B/C36B/C-I

580.5



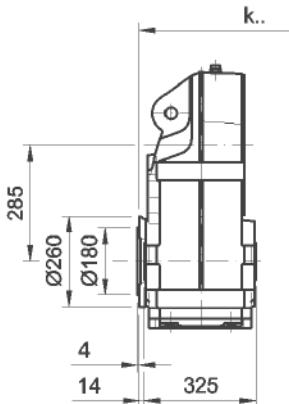
SPT..66..



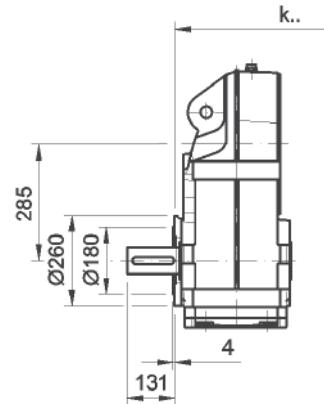
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	250M	280S	280M	
kI					391	391	391	391	456	456	548	548	573	603	603	614	614	614	
cI	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø13.5	4x Ø17.5	8x Ø17.5									
kc	548	548	548	548	548	548	611	611											

5. SP4

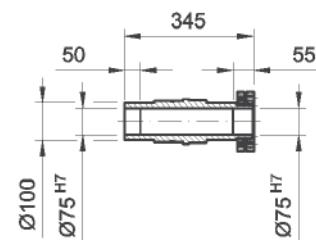
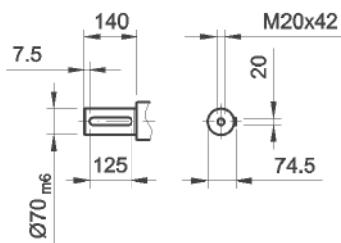
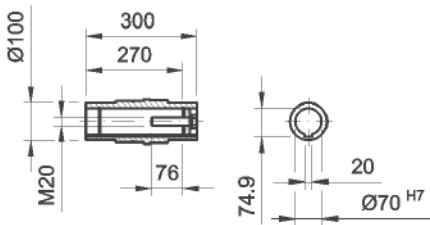
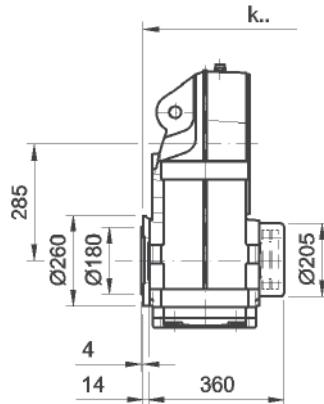
SPTH66..



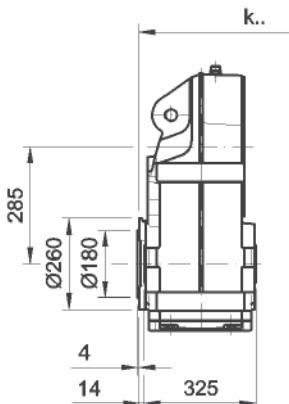
SPTN66..



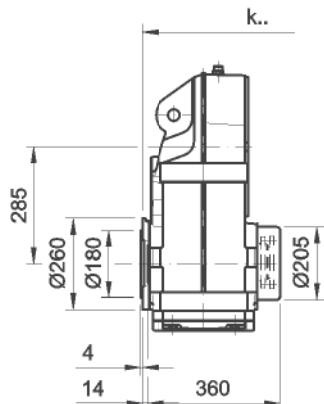
SPTS66..



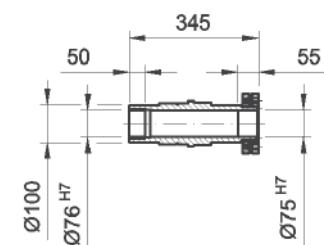
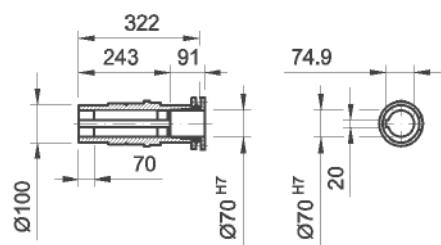
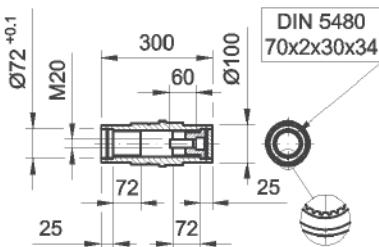
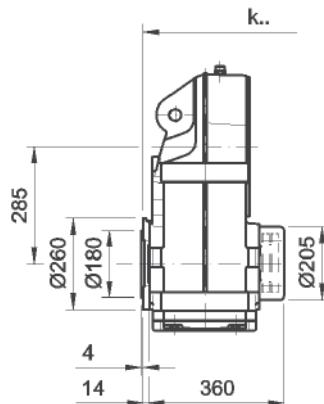
SPTT66..



SPTB66..

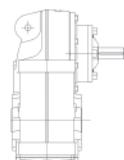


SPTC66..



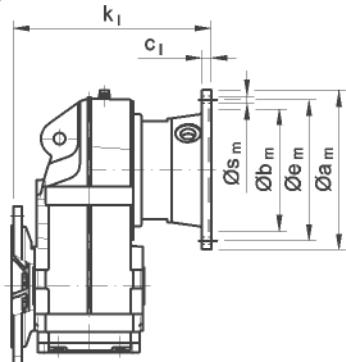


5. SP4



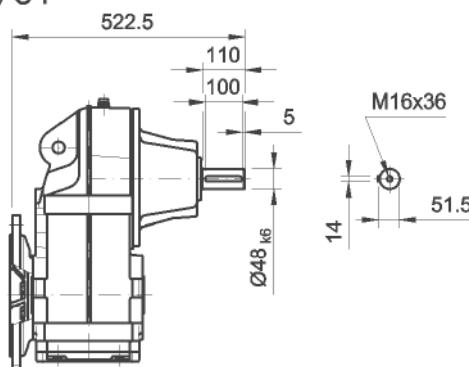
SPF..66B/C-U

100 - 280



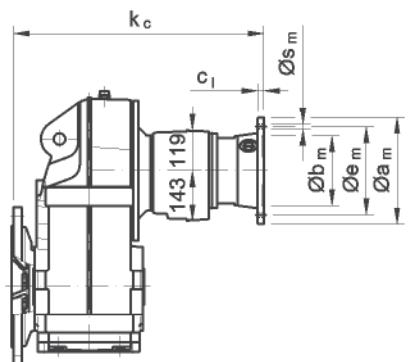
SPF..66B/C-I

522.5



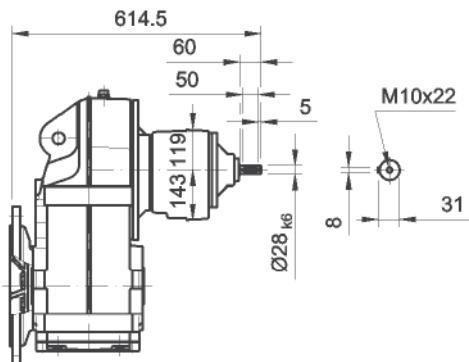
SPF..66B/C36B/C-U

71 - 132

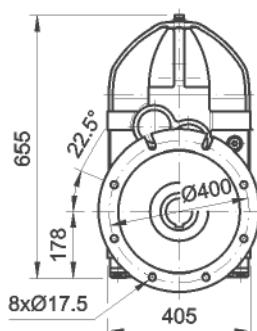


SPF..66B/C36B/C-I

614.5

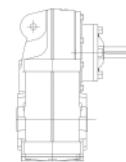


SPF..66..

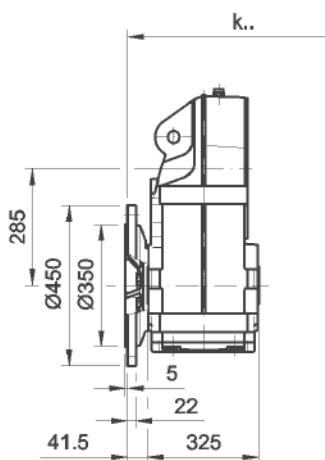


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	250M	280S	280M	
kI					425	425	425	425	490	490	582	582	607	637	637	648	648	648	
cI	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xØ16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	582	582	582	582	582	582	645	645											

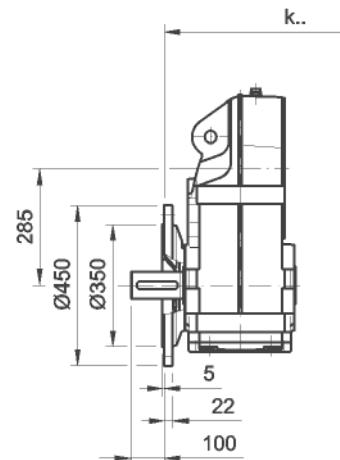
5. SP4



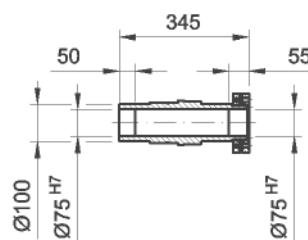
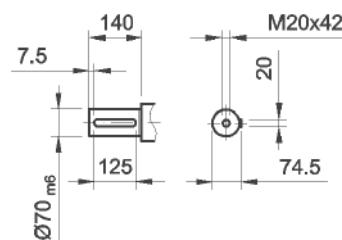
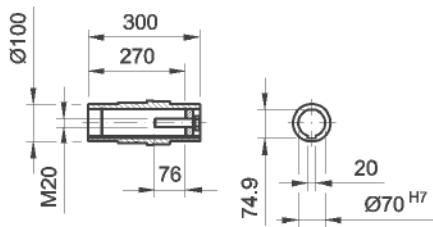
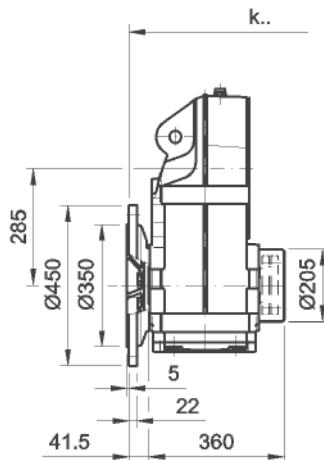
SPFH66..



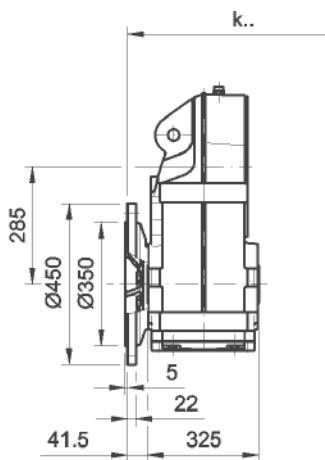
SPFN66..



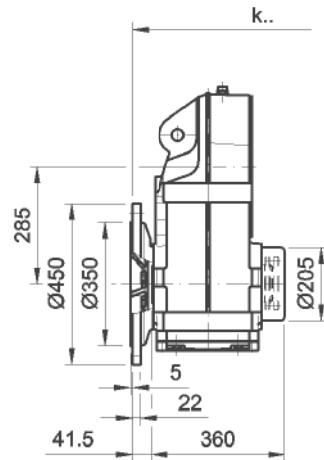
SPFS66..



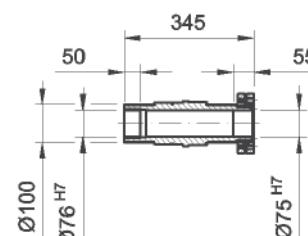
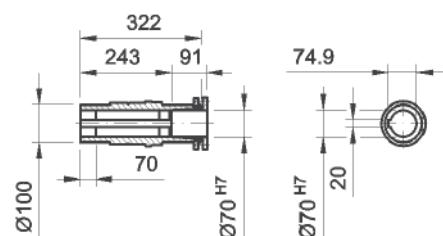
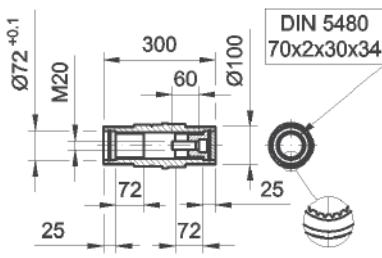
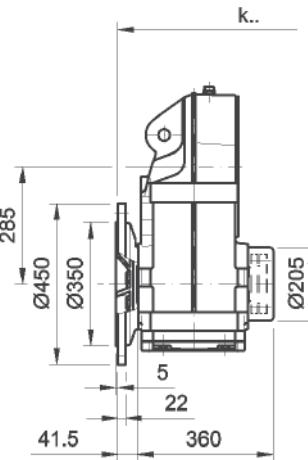
SPFT66..



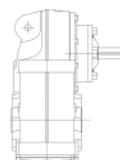
SPFB66..



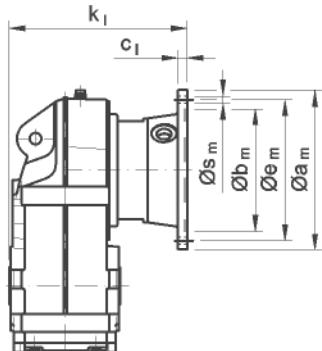
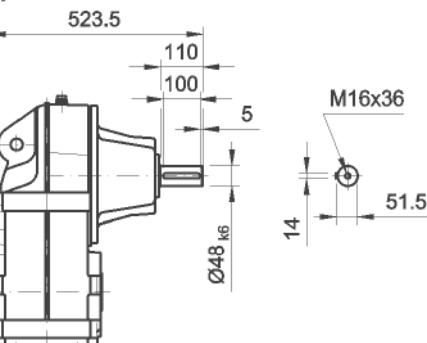
SPFC66..



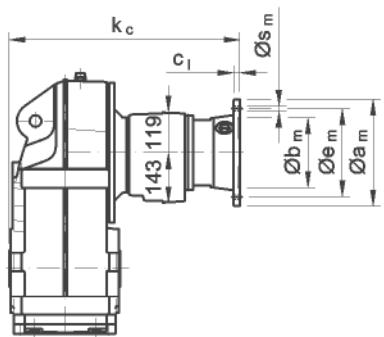
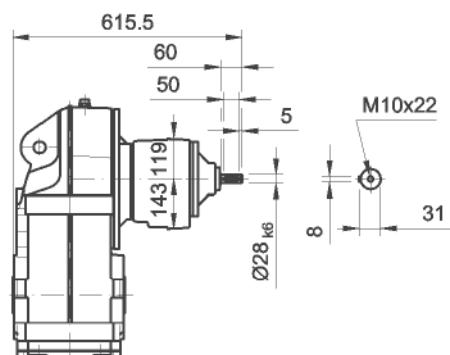
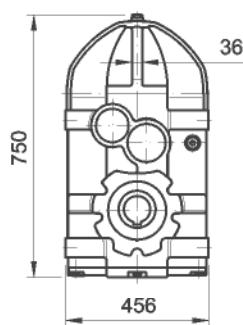
5. SP4


SPZ..76B/C-U

100 - 280


SPZ..76B/C-I

SPZ..76B/C36B/C-U

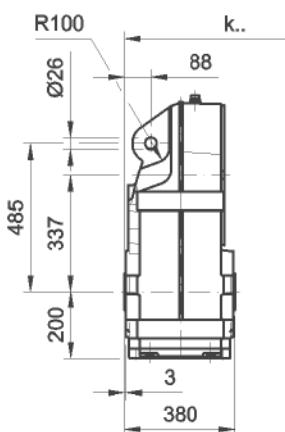
71 - 132


SPZ..76B/C36B/C-I

SPZ..76..


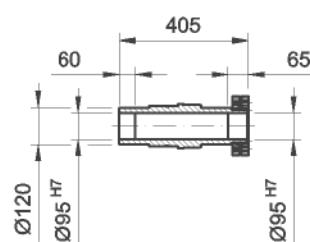
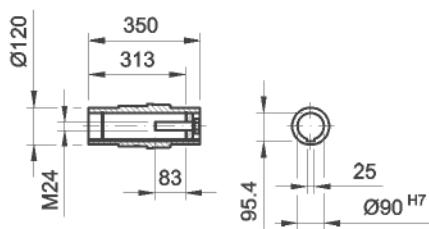
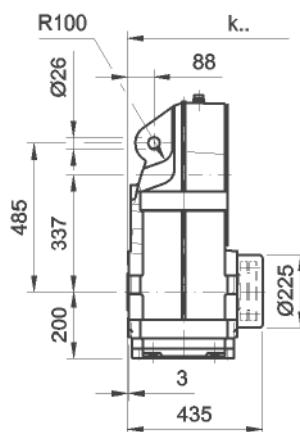
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	250M	280S	280M	
k1					426	426	426	426	491	491	583	583	608	638	638	649	649	649	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	M246	350	400	450	450	550	550	550	550	
Øsm	4x Ø8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	583	583	583	583	583	583	646	646											

5. SP4

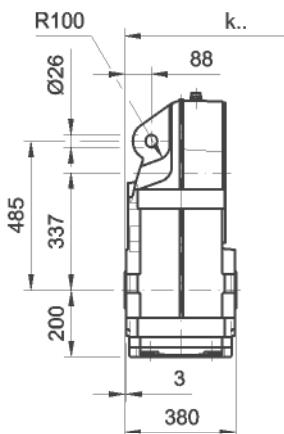
SPZH76..



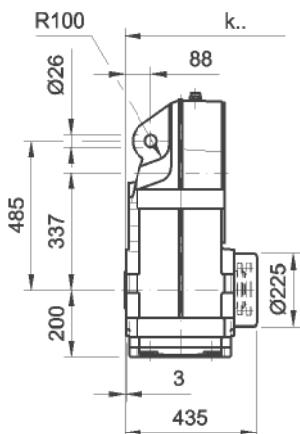
SPZS76..



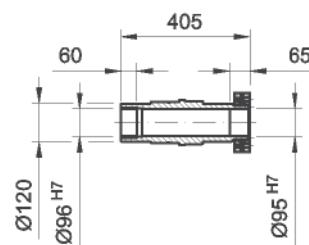
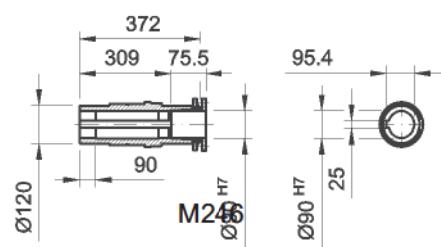
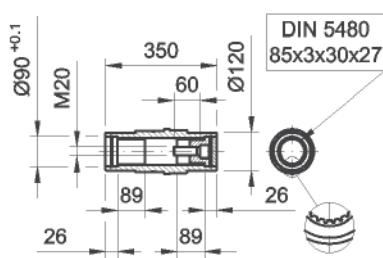
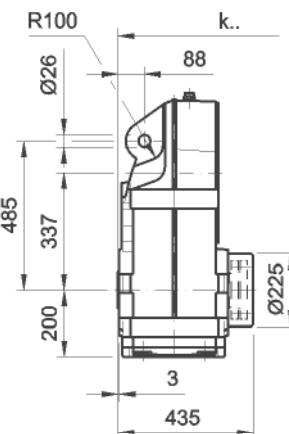
SPZT76..



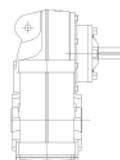
SPZB76..



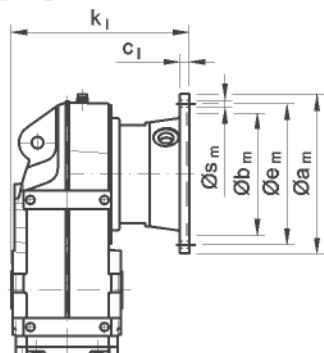
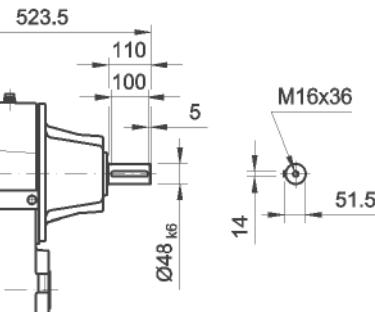
SPZC76..



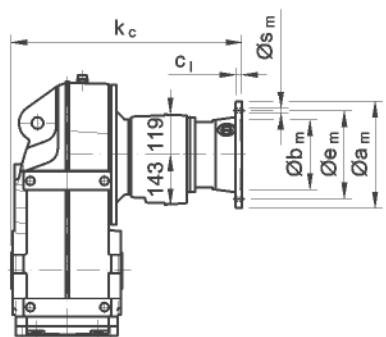
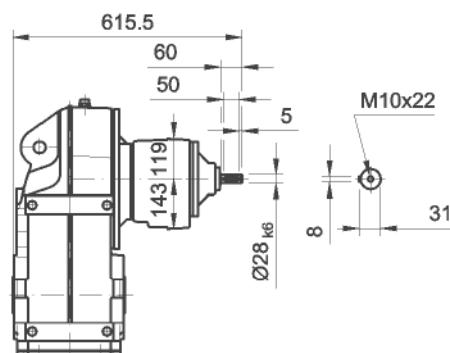
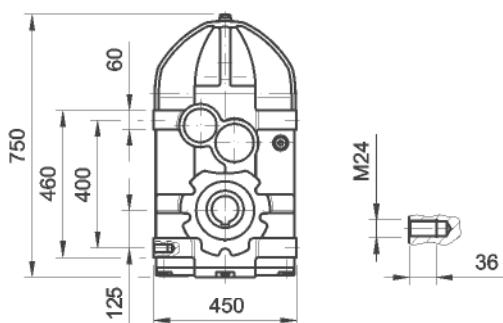
5. SP4


SPZ..76B/CF-U

100 - 280


SPZ..76B/CF-I

SPZ..76B/C36B/CF-U

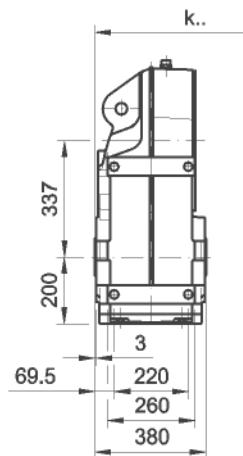
71 - 132


SPZ..76B/C36B/CF-I

SPZ..76..F..


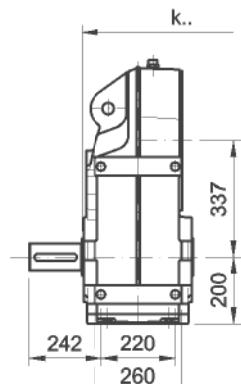
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	250M	280S	280M	
kl					426	426	426	426	491	491	583	583	608	638	638	649	649	649	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	583	583	583	583	583	583	646	646											

5. SP4

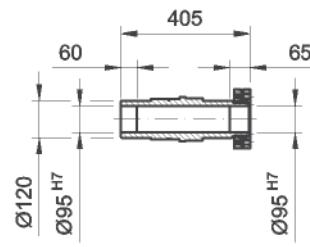
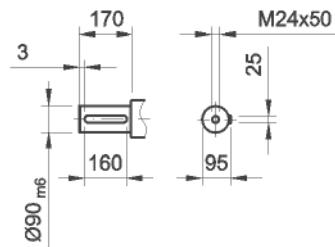
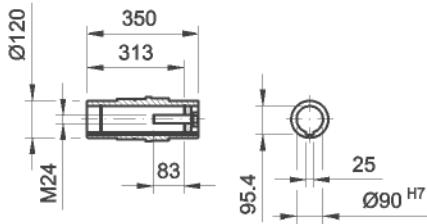
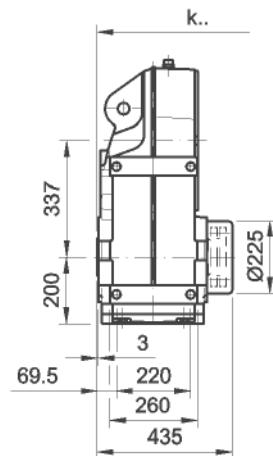
SPZH76..F..



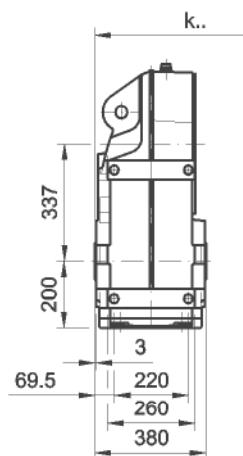
SPZN76..F..



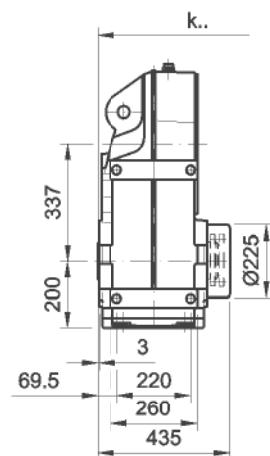
SPZS76..F..



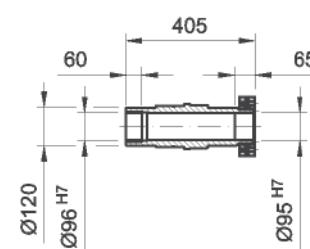
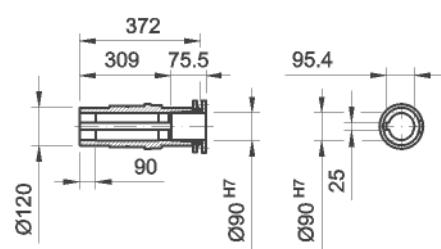
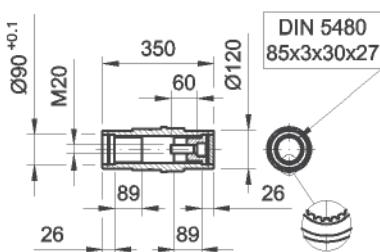
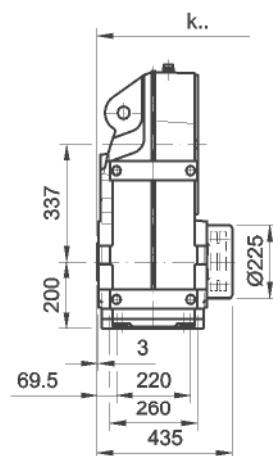
SPZT76..F..



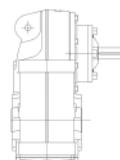
SPZB76..F..



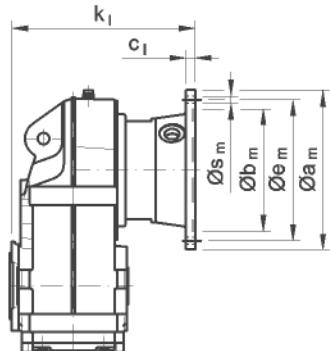
SPZC76..F..



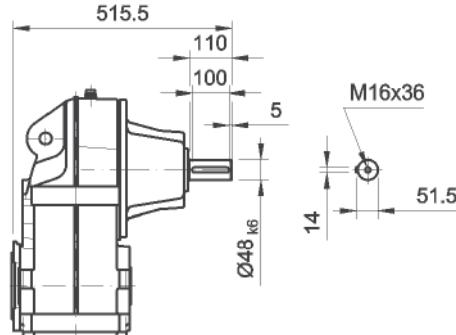
5. SP4


SPT..76B/C-U

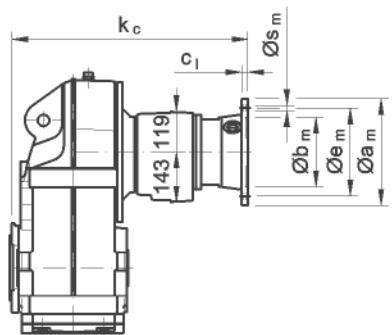
100 - 280


SPT..76B/C-I

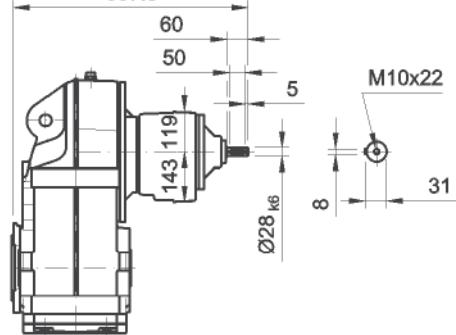
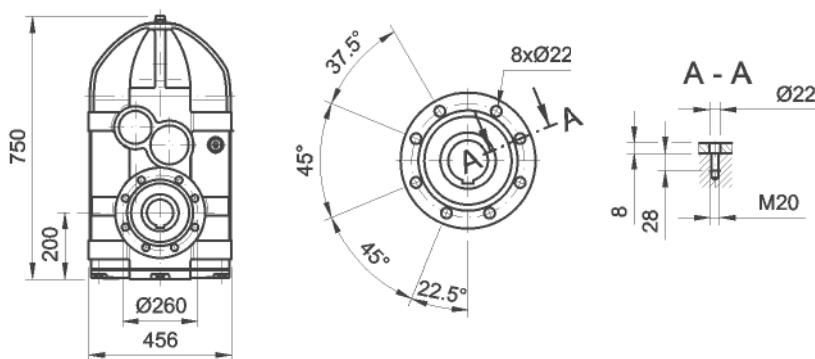
515,5


SPT..76C36B-U

71 - 132


SPT..76C36B-I

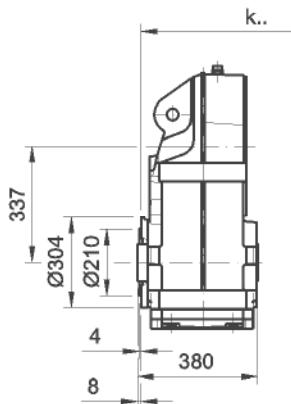
607,5


SPT..76..


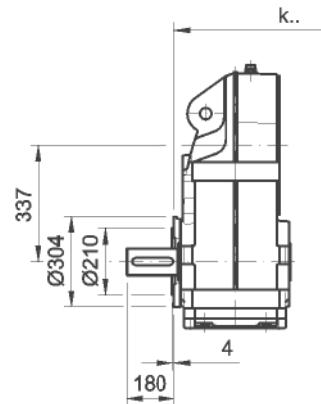
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	250M	280S	280M	
k1					418	418	418	418	483	483	575	575	600	630	630	641	641	641	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x Ø16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	575	575	575	575	575	575	638	638											

5. SP4

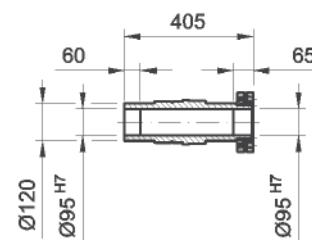
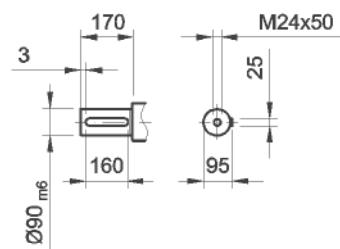
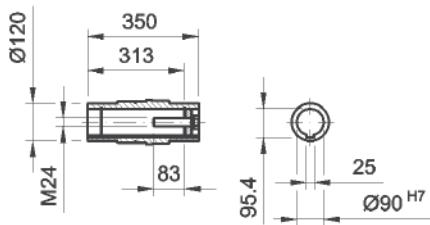
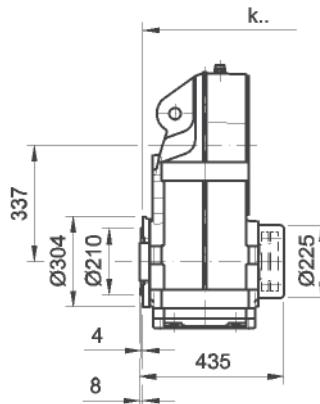
SPTH76..



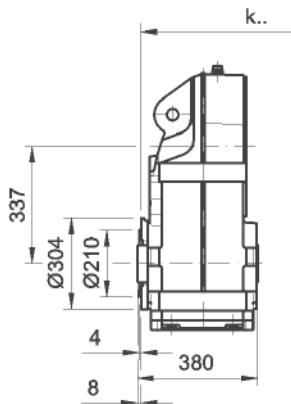
SPTN76..



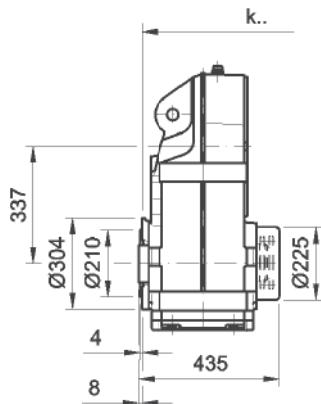
SPTS76..



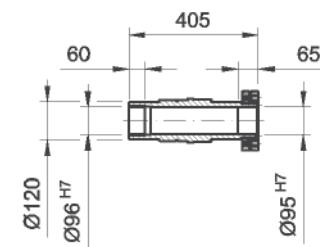
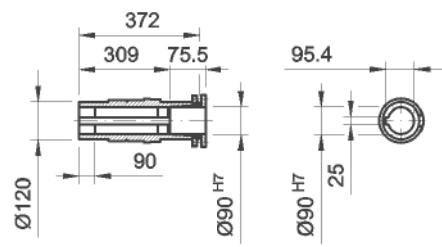
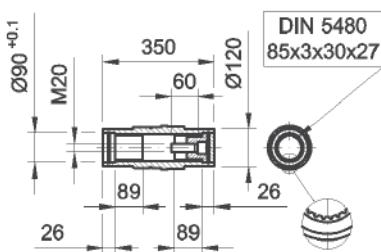
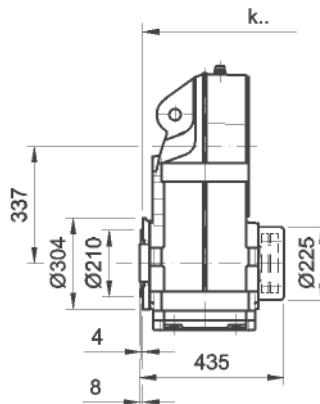
SPTT76..



SPTB76..

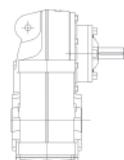


SPTC76..



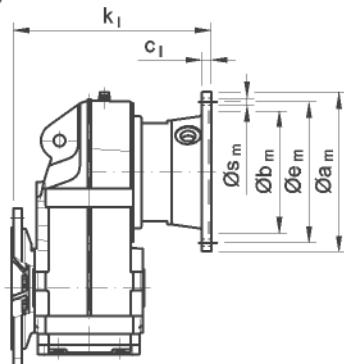


5. SP4



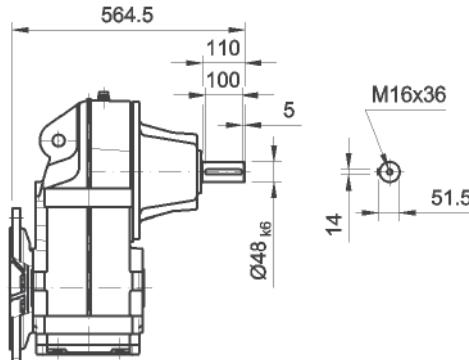
SPF..76B/C-U

100 - 280



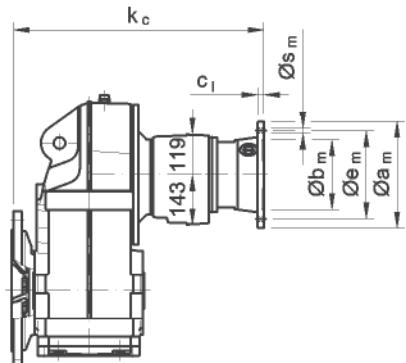
SPF..76B/C-I

564.5



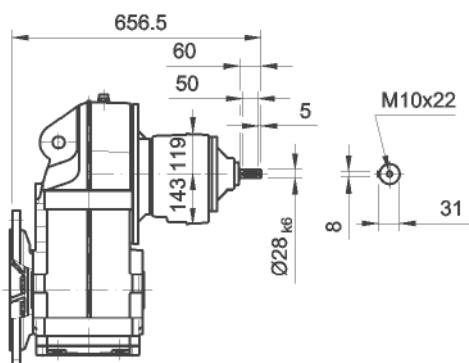
SPF..76B/C36B/C-U

71 - 132

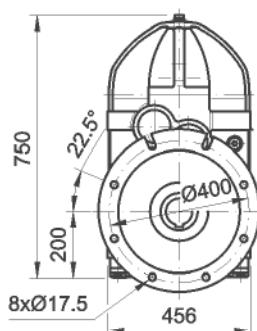


SPF..76B/C36B/C-I

656.5



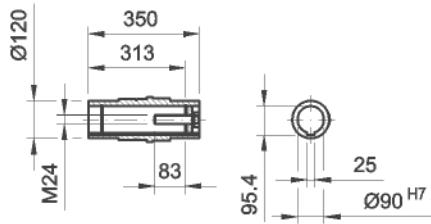
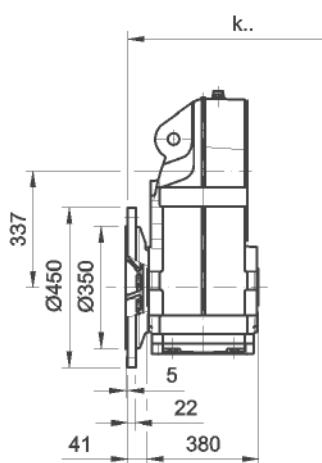
SPF..76..



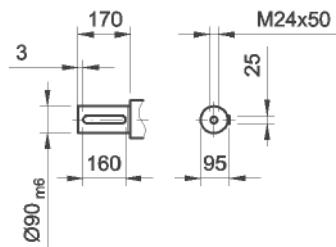
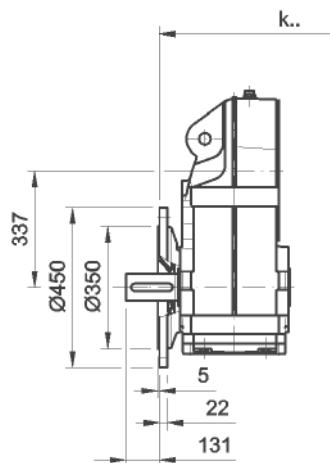
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kl					467	467	467	467	532	532	624	624	649	679	679	690	690	690	
cl	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xØ16	4xØ11	4xØ11	4xØ11	4xØ13,5	4xØ13,5	4xØ13,5	4xØ13,5	4xØ17,5	4xØ17,5	4xØ17,5	4xØ17,5	4xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	
kc	624	624	624	624	624	624	687	687											

5. SP4

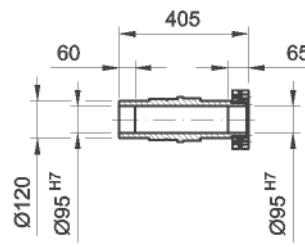
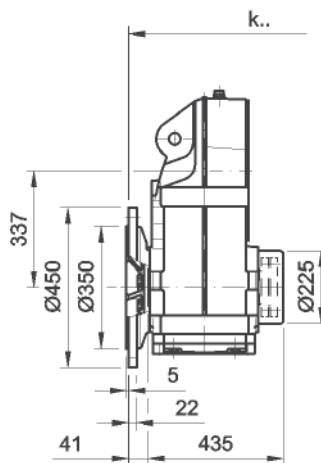
SPFH76..



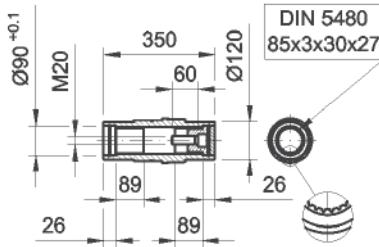
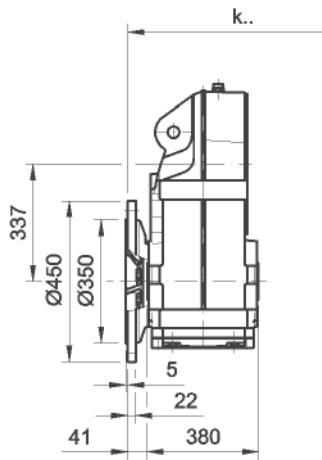
SPFN76..



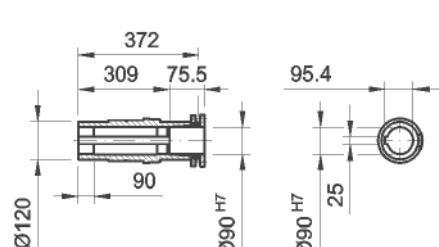
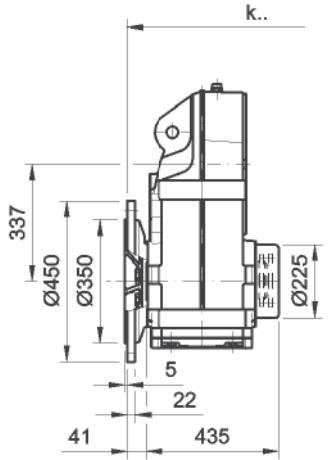
SPFS76..



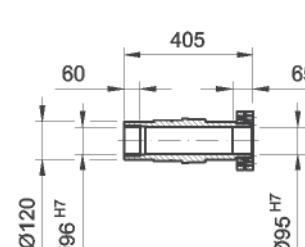
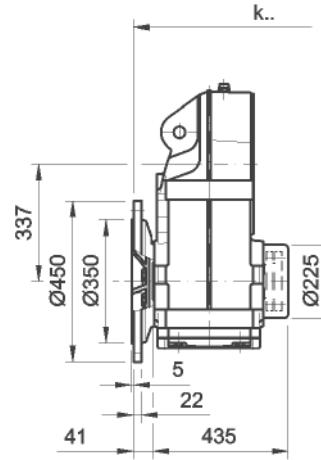
SPFT76..



SPFB76..



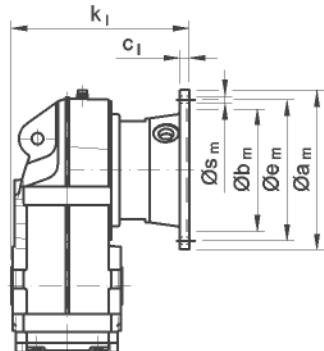
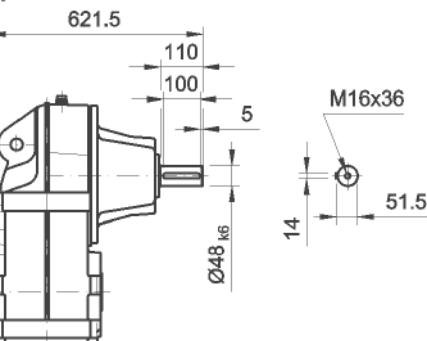
SPFC76..



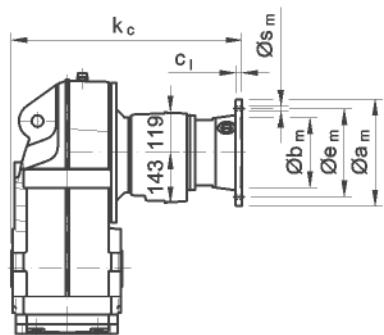
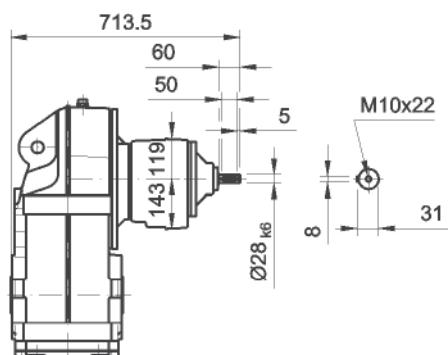
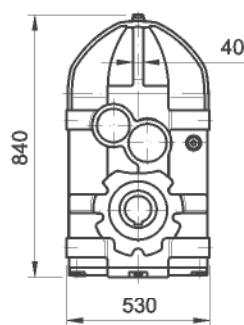
5. SP4


SPZ..86B/C-U

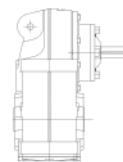
100 - 280


SPZ..86B/C-I

SPZ..86C36B-U

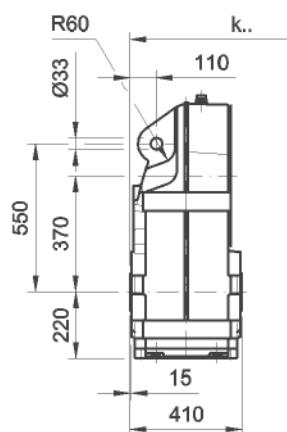
71 - 132


SPZ..86C36B-I

SPZ..86..


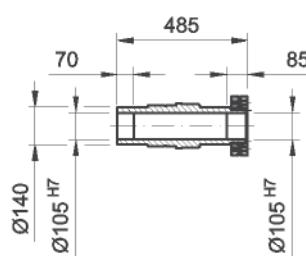
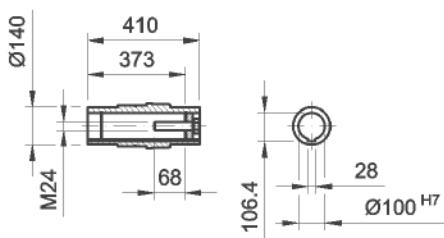
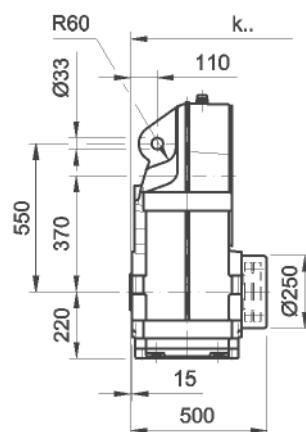
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kI					524	524	524	524	589	589	681	681	706	736	736	747	747	747	
cI	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x Ø16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	681	681	681	681	681	681	744	744											



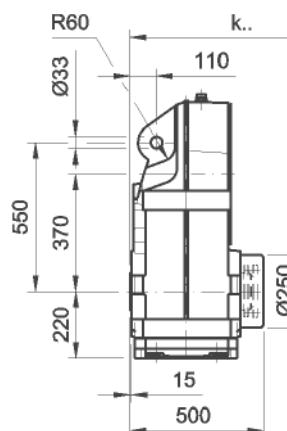
SPZH86..



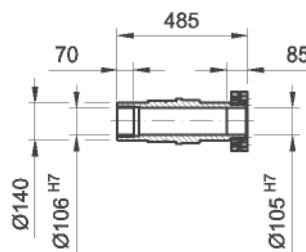
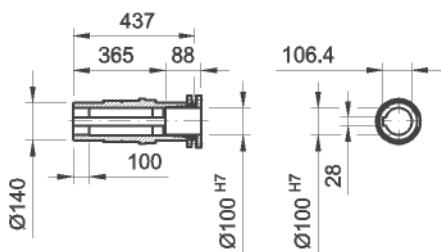
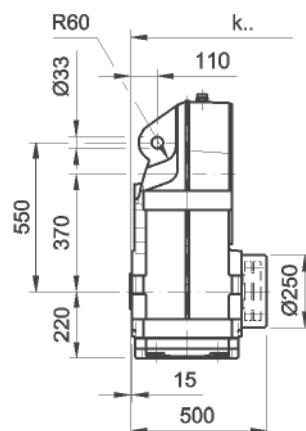
SPZS86..



SPZB86..

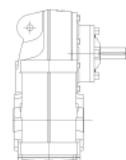


SPZC86..



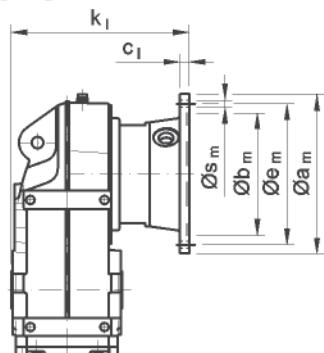


5. SP4



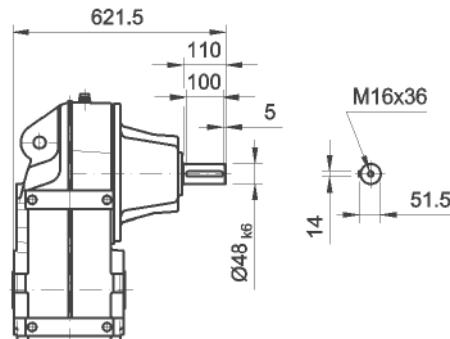
SPZ..86B/CF-U

100 - 280



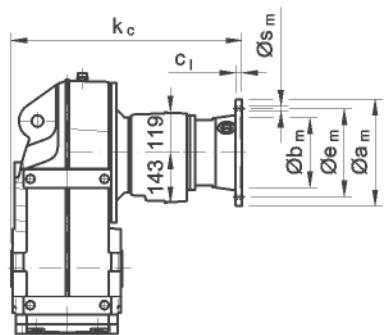
SPZ..86B/CF-I

621.5



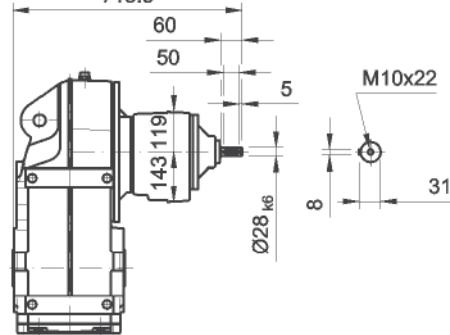
SPZ..86B/C36B/CF-U

71 - 132

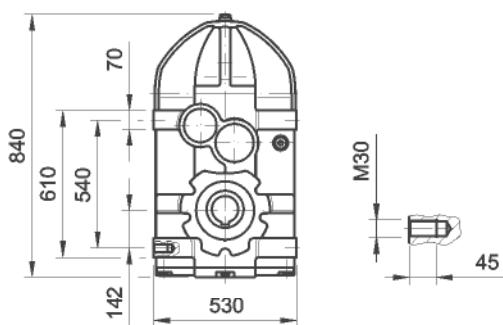


SPZ..86B/C36B/CF-I

713.5



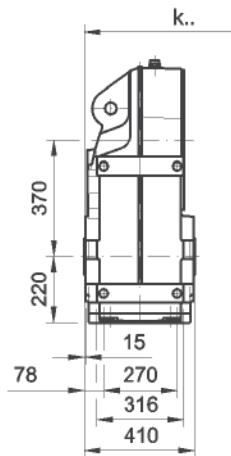
SPZ..86..F..



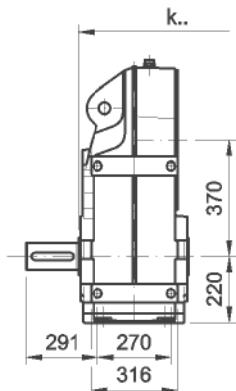
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kl					524	524	524	524	589	589	681	681	706	736	736	747	747	747	
cl	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x Ø16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	681	681	681	681	681	681	744	744											

5. SP4

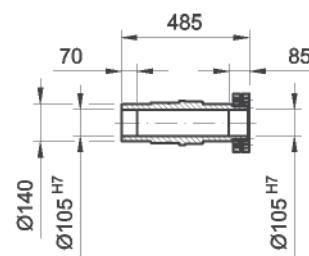
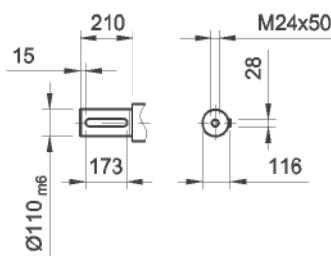
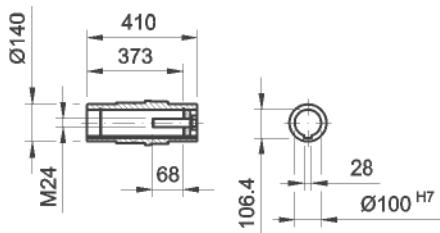
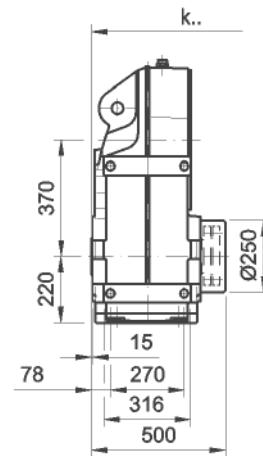
SPZH86..F..



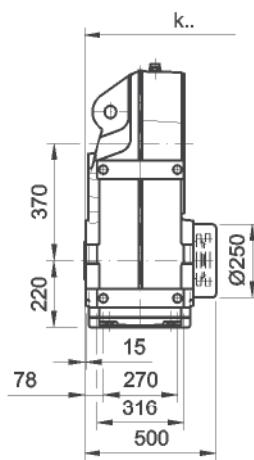
SPZN86..F..



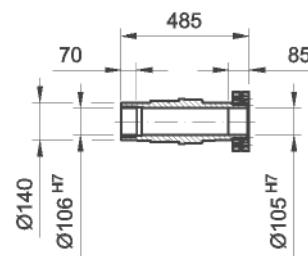
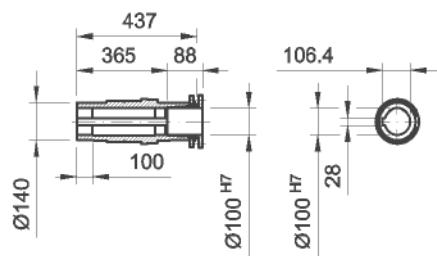
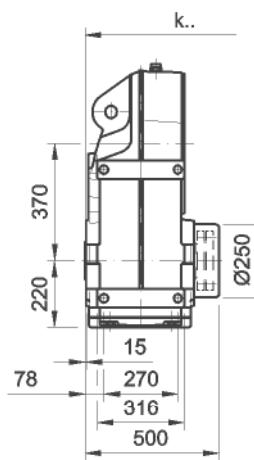
SPZS86..F..



SPZB86..F..

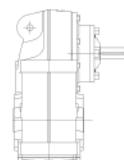


SPZC86..F..



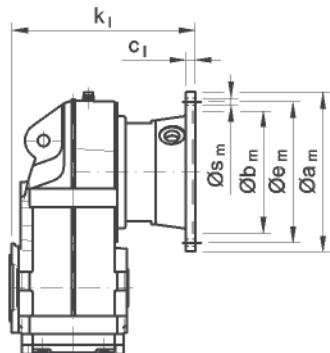


5. SP4



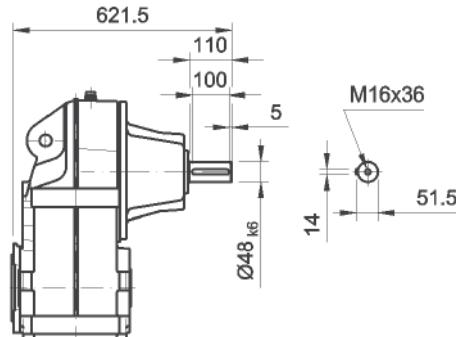
SPT..86B/C-U

100 - 280



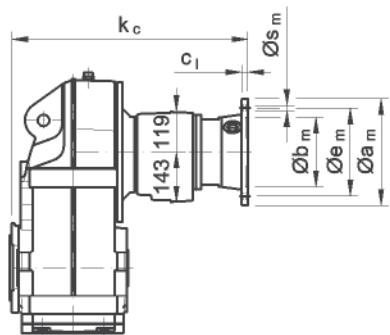
SPT..86B/C-I

621.5



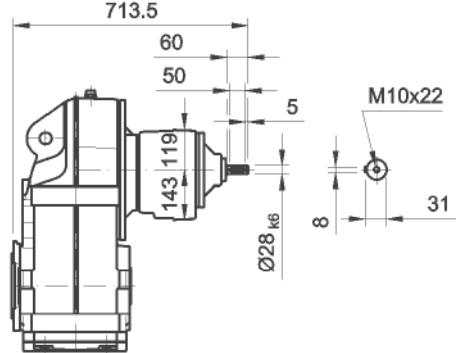
SPT..86B/C36B/C-U

71 - 132

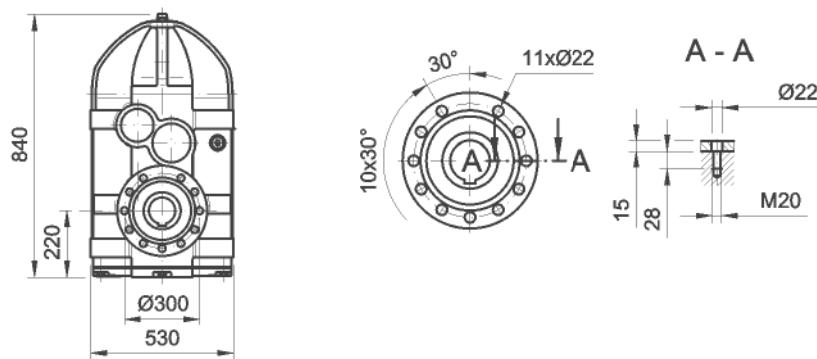


SPT..86B/C36B/C-I

713.5

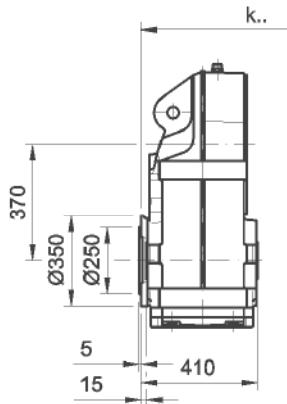


SPT..86..

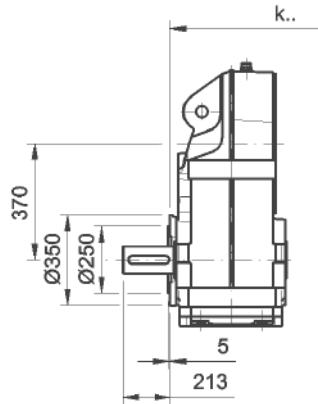


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	250M	280S	280M	
k _l					524	524	524	524	589	589	681	681	706	736	736	747	747	747	
c _l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øb _m	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øe _m	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øa _m	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øs _m	4xØ16	4xØ11	4xØ11	4xØ11	4xØ13,5	4xØ13,5	4xØ13,5	4xØ13,5	4xØ17,5	4xØ17,5	4xØ17,5	4xØ17,5	4xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	
k _c	681	681	681	681	681	681	744	744											

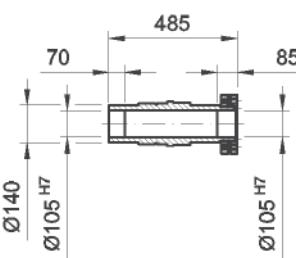
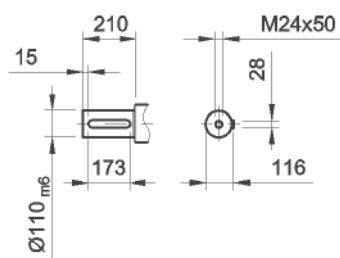
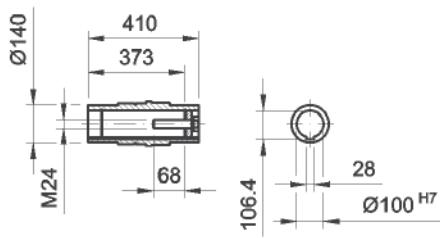
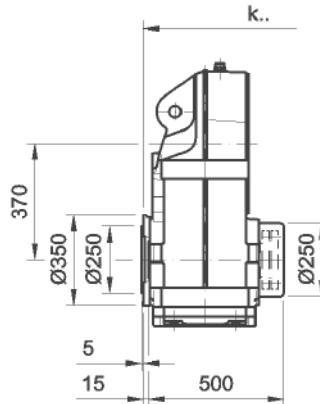
SPTH86..



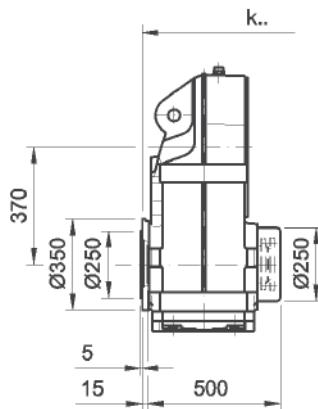
SPTN86..



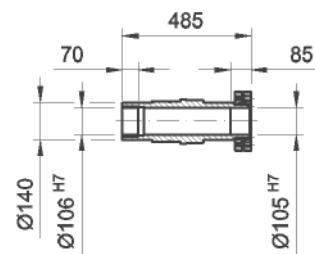
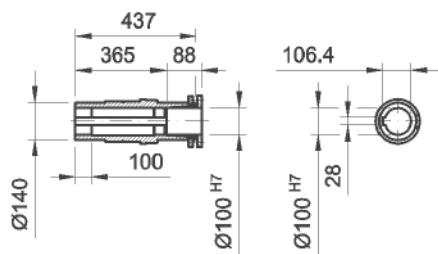
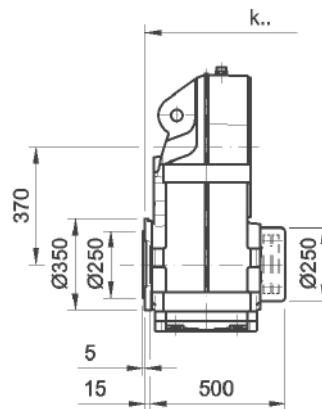
SPTS86..



SPTB86..

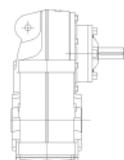


SPTC86..



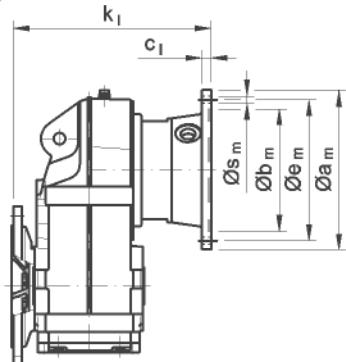


5. SP4



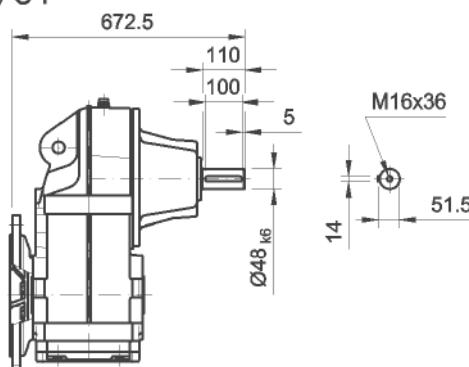
SPF..86B/C-U

100 - 280



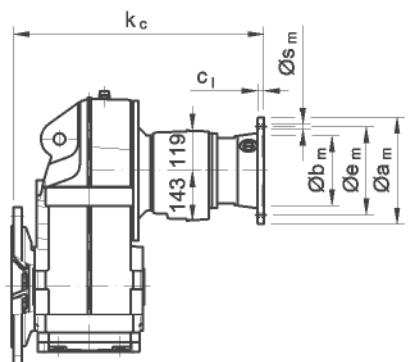
SPF..86B/C-I

672.5



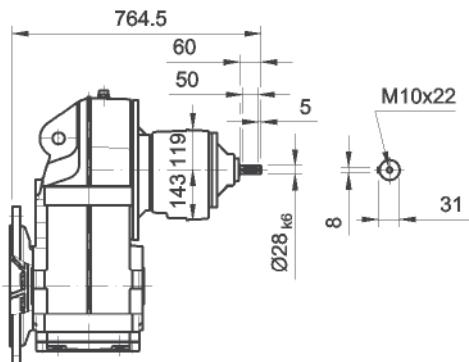
SPF..86B/C36B/C-U

71 - 132

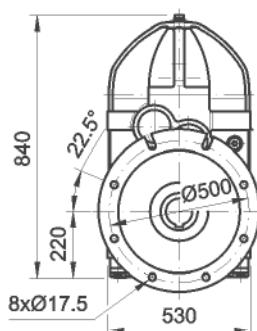


SPF..86B/C36B/C-I

764.5

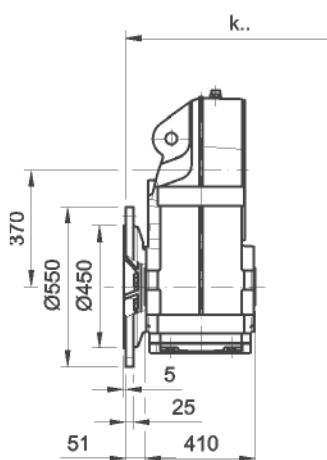


SPF..86..

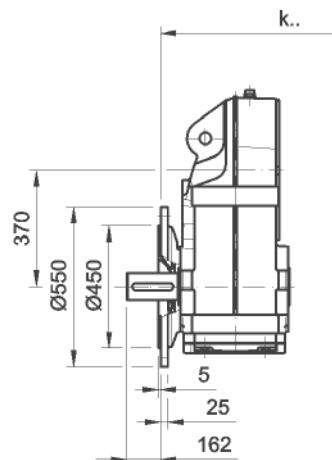


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
kI					575	575	575	575	640	640	732	732	757	787	787	798	798	798	
cI	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4xØ16	4xØ11	4xØ11	4xØ11	4xØ13,5	4xØ13,5	4xØ13,5	4xØ13,5	4xØ17,5	4xØ17,5	4xØ17,5	4xØ17,5	4xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	8xØ17,5	
kc	732	732	732	732	732	732	795	795											

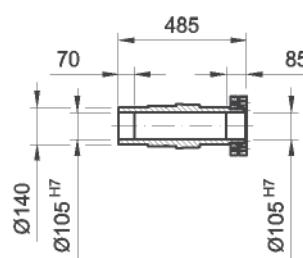
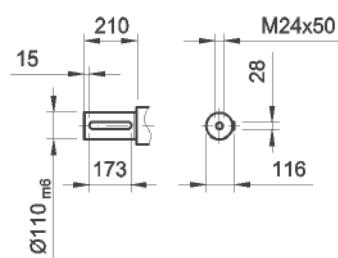
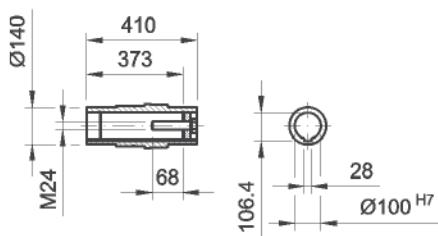
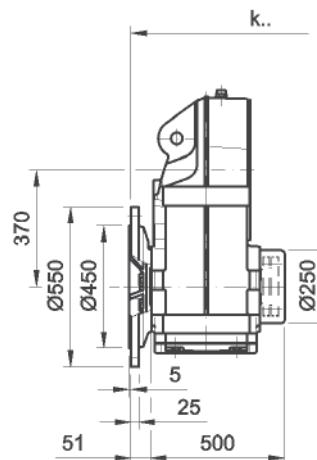
SPFH86..



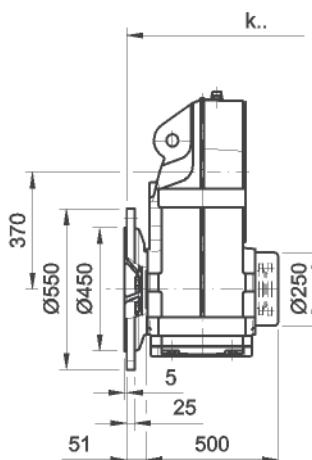
SPFN86..



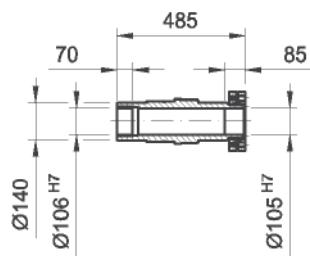
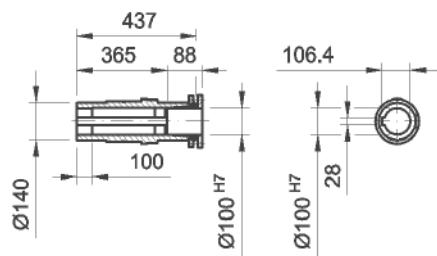
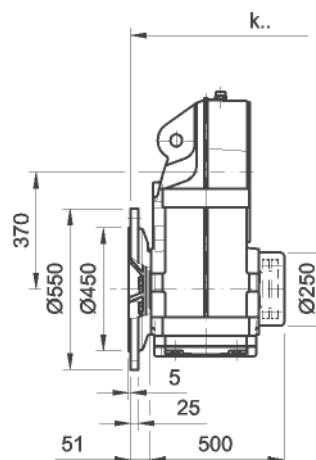
SPFS86..



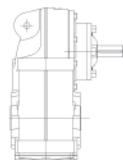
SPFB86..



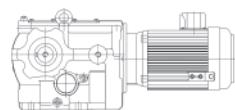
SPFC86..



5. SP4

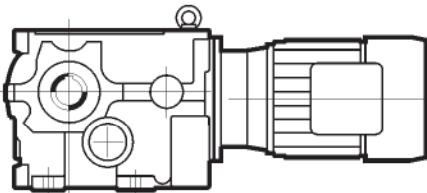


Notizen / Notice / Notes:

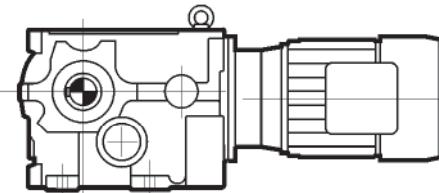


6 SK4 Helical bevel

6.1 Version variants for SP4 parallel shaft helical geared motors

**SKZH**

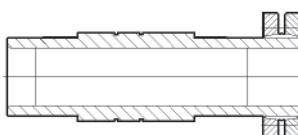
Shaft-mounted version with hollow shaft

**SKZN**

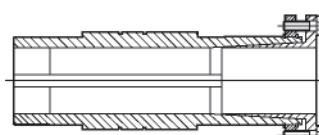
Foot mounting with solid shaft

**SK.H**

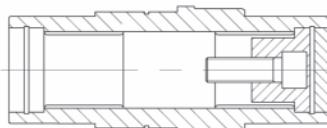
Hollow shaft with keyway

**SK.S**

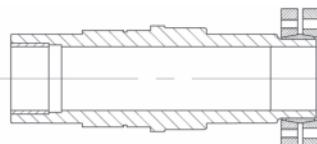
Hollow shaft with shrink disc

**SK.B**

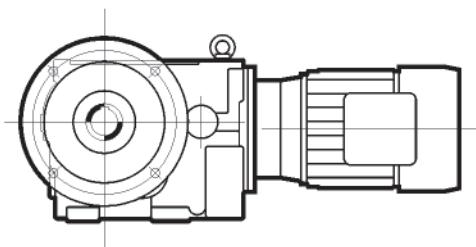
Hollow shaft with taper bush

**SK.T**

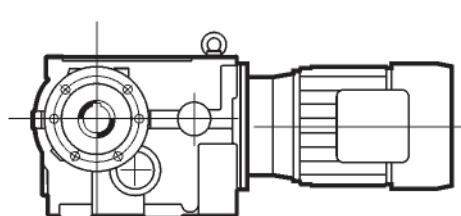
Hollow spline shaft

**SK.C**

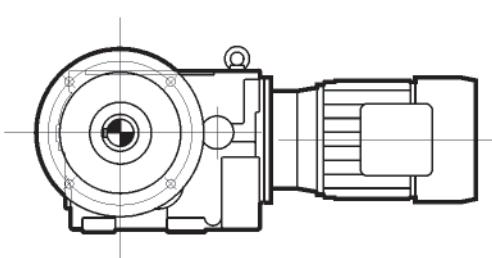
Hollow shaft with shrink disc and bronze bushing

**SKFH**

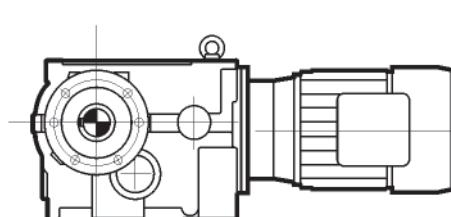
B5 flange version with hollow shaft

**SKTH**

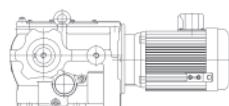
B14 flange version with hollow shaft

**SKFN**

B5 flange version with solid shaft

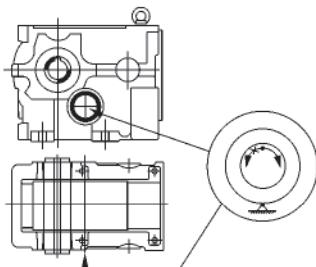
**SKTN**

B14 flange version with solid shaft



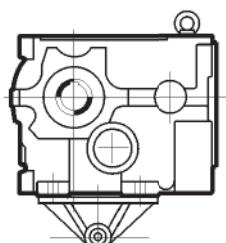
6. SK4

Versions on the drive end



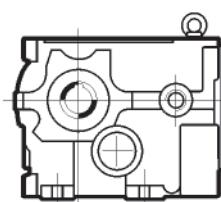
- R

Reverse lock on the intermediate shaft only possible at the location shown



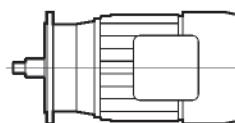
- T

torque arm

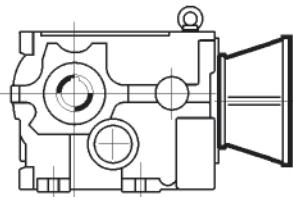


Fixing point for alternate Torque arm (for small sizes). Please consult us.

Versions on the drive end

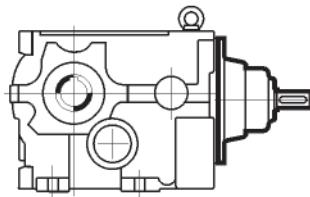


Integral motor



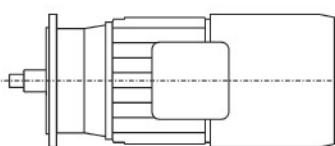
- U

Lantern for IEC standard motors

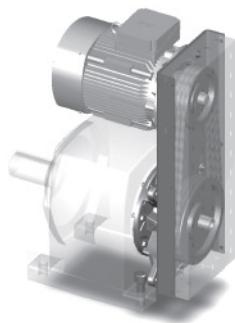


- I

Gear unit with free input shaft



Integrated brake motor

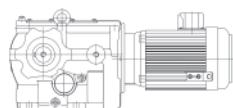


- M

Motor base version for V-belt drive,
motor mounting position IM B5 (schematic drawing)

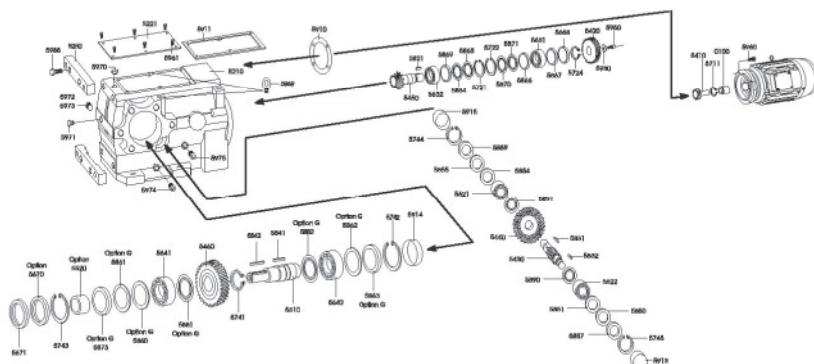
Overview

	8 sizes								
	2	3	4	5	6	7	8	9	
T2m (Nm)	440	800	1600	2900	4900	8000	13000	20000	
Pm (kW)	0.12 to 90 kW								
i	7.1 ... 315 						100 ... 30000 combined		

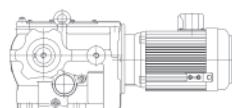


6.2 Principle design of helical bevel geared motors

The following illustration shows the principle design of a helical bevel geared motor. It is intended as a reference aid to the individual parts lists. Variations depending on the gear unit size and version are possible.



Item no.	Description
0100	Motor
5210	Casing
5221	Cover
5250	Attached foot strips
5310	Output shaft
5410	Pinion
5420	Gear wheel
5430	Pinion shaft
5440	Gear wheel
5450	Pinion shaft
5460	Gear wheel
571. / 572. / 574.	Retaining ring
5821 / 583. / 584.	Feather key
585. / 586. / 587.	Support ring/shim ring
588. / 589.	Nilos ring
5910 / 5911	Gasket
5913 / 5914 / 5915	End cover
5914	End cover or protective cover for hollow shaft "H" (option)
5918	Protective cover for hollow shaft "S" (option)
593.	Washer
595. / 596. / 597.	Screw
5963	Clamping pin
597.	Screw
5621	Bearing
5622	Bearing
5631	Bearing
5632	Bearing
5641	Bearing
5642	Bearing
5670	Shaft seal
5671	Shaft seal



6. SK4

6.3 Ordering information

Three stage gearbox

S	K	3	4	5	6	7	8	9	10	-	11	-	12	13
---	---	---	---	---	---	---	---	---	----	---	----	---	----	----

Gear units with more than 3 stages

S	K	3	4	5	6	7	25	26	27	8	9	10	11	12	13
---	---	---	---	---	---	---	----	----	----	---	---	----	----	----	----

3 Output flange

- Z No flange
- F B5 flange
- T B14 flange

9 Drive unit

- No designation: Integrated motor
- U IEC flange motor
- I I-latern
- M Motor chair

4 Output shaft

- H Hollow shaft with keyway
- N Solid shaft with feather key
- S Hollow shaft with shrink-fit ring
- B Hollow shaft with conical clamping sleeve
- T Hollow shaft with splining
- C Hollow shaft with shrink-fit ring and bronze bush

10 Accessories for gear units

- R Reversal lock on drive shaft
Specify free direction of rotation
(from gearbox size 3 and motor IEC 100)
- F foot mounting
- G reinforced bearings

5 Size

2 - 3 - 4 - 5 - 6 - 7 - 8 - 9

11 Motor

12 Shaft arrangement

- L Output shaft left
- R Output shaft right
- T Output shaft left and right

6 Design index:

- 6 Metric version
- 7 Inch version

13 Mounting positions

Only for gear units with more than 3 stages

25 Size preliminary stage gear unit

26 Design index prel.-stage gear unit

27 Number of stages prel.-stage gear unit

Example:

S	K	3	4	N	5	6	7	C	8	25	9	10
---	---	---	---	---	---	---	---	---	---	----	---	----

11	112
----	-----

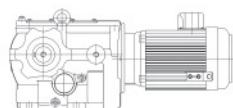
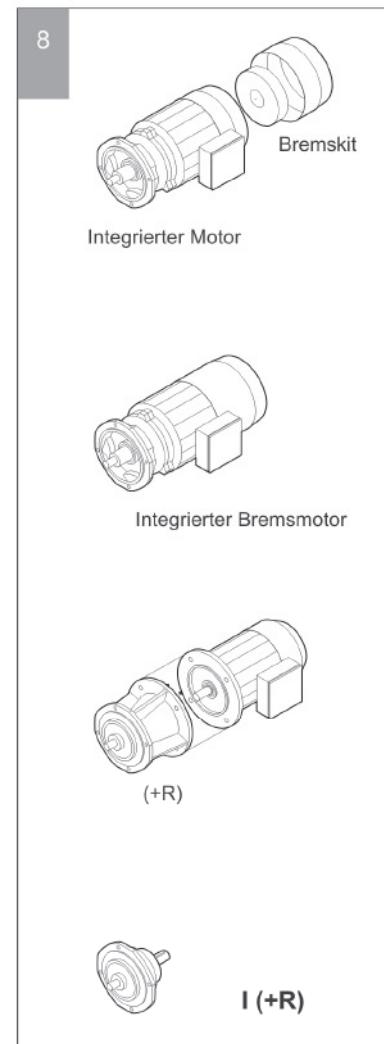
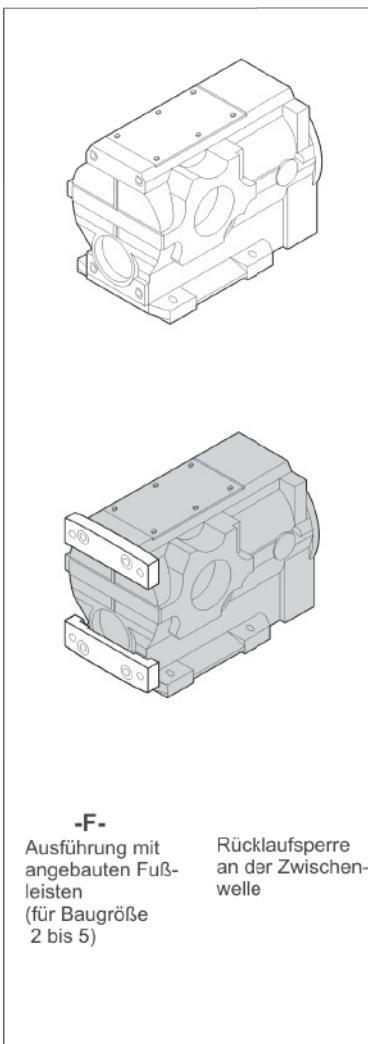
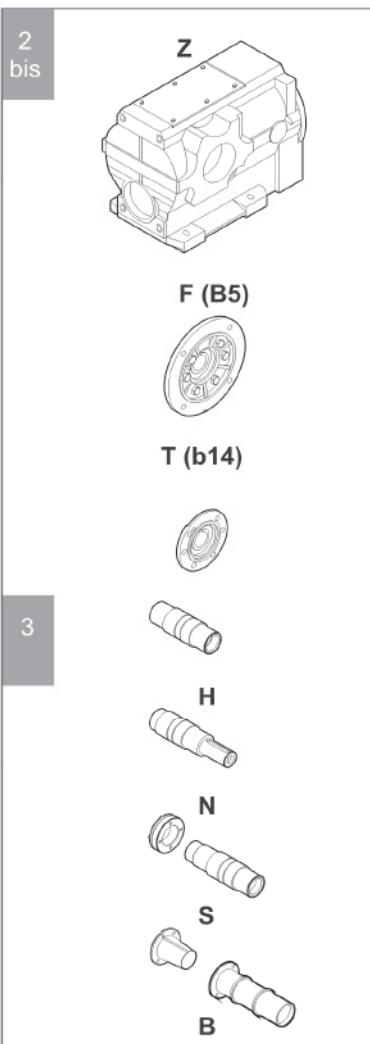
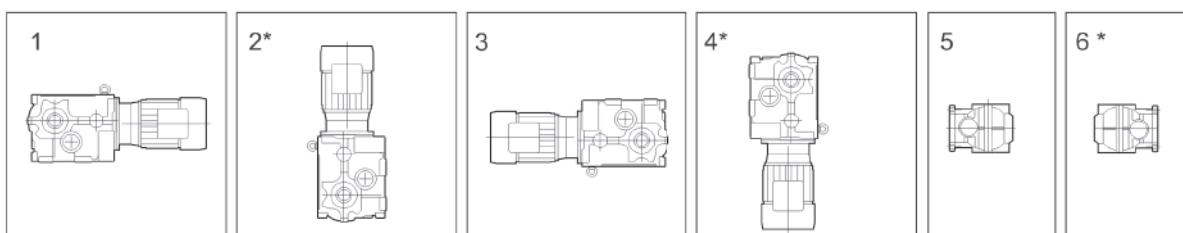
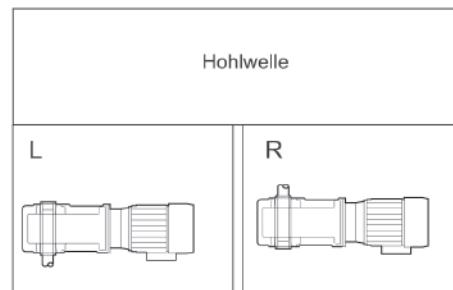
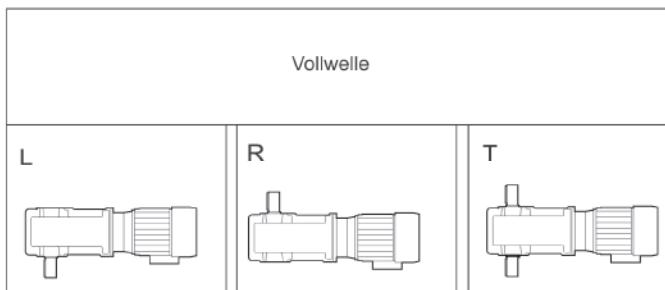
12	L	13	1
----	---	----	---

SK casing. no flange. solid shaft. size 3. design index 6. 3-stage.

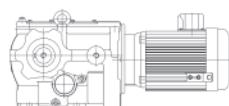
gear ratio i = 1/25. motor size 112. shaft arrangement left. mounting position 1

S	K	3	4	H	5	6	7	C	25	26	27	8	350	9	10	-	11	90	-	12	V1
---	---	---	---	---	---	---	---	---	----	----	----	---	-----	---	----	---	----	----	---	----	----

SK casing. B5 flange. hollow shaft with keyway. size 5. design index 6. 3-stage. size primary-stage gear unit 1. design index primary-stage gear unit 6. 2-stage primary-stage gear unit. total gear ratio i = 1/350. U-latrn for motor size 90. shaft arrangement left. mounting position 1


**GEARED MOTOR
CODING**

Mounting positions


*: refer to Rexnord-Stephan



6. SK4

6.4 Auswahltabellen Getriebemotoren SK4

Selection tables for SK4 geared motors

Tableaux de sélection pour les motoréducteurs SK4

Beispiel: Auswahltabelle Getriebemotoren

Example: Geared Motor selection table

Exemple de tableau de sélection pour motoréducteurs

Motorleistung Motor output Puissance moteur	Exakte Übersetzung Exact gear ratio Valeur exacte du rapport de démultiplication	Zulässige Radialkraft für verstärkte Lagerung Permissible radial force for reinforced bearing Force radiale admissible pour paliers support renforcés	Maßbilder Dimensional drawings Schémas d'encombrement
Motordrehzahl Motor speed Vitesse moteur	Zulässige Radialkraft Permissible radial force Force radiale admissible		
P 0.12 kW n_1 1360 min⁻¹			

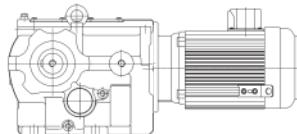
n_{2ex} min ⁻¹	SF	T_{2m} Nm	Type	i_{ex}	F_{rN} N	F_{rN-G} N	m kg		
189.1	41.00	6	SKZN26C7.1 - 63A-4G	7.19	3 300	6 900	23	M150	
164.9	37.00	7	SKZN26C8 - 63A-4G	8.25	3 900	6 900	23	M150	
153.9	36.00	7	SKZN26C9 - 63A-4G	8.84	4 000	6 900	23	M150	
133.7	33.00	9	SKZN26C10 - 63A-4G	10.17	4 200	6 900	23	M150	
115.7	29.00	10	SKZN26C11.2 - 63A-4G	11.76	4 400	6 900	23	M150	
108.9	37.00	11	SKZN26C12.5 - 63A-4G	12.48	4 500	6 900	23	M150	

Grundausführung SKZN • Basic version SKZN • Version de base SKZN

Drehmoment der Abtriebswelle • Torque of output shaft • Couple de l'arbre de sortie

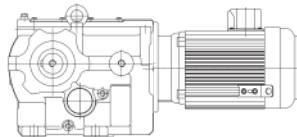
Verfügbarer Servicefaktor • Available Service Factor SF • Facteur de service disponible

Genaue Drehzahl der Abtriebswelle • Exact speed of output shaft & rated load • Vitesse exacte de l'arbre de sortie



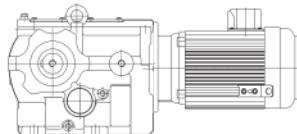
P 0,18 kW n₁ 1370 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
0,2	1,30	10157	SKZN86C36C8000 - 71A-4G	8095,35	65 000	65 000	438	M186
0,2	2,00	6.601	SKZN96C36C8000 - 71A-4G	8061,55	112 000	65000	611	M192
0,2	1,80	6.598	SKZN96C36C9000 - 71A-4G	8955,51	112 000	82500	611	M192

P 0,25 kW n₁ 1400 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
194,63	20,38	12	SK..26C7,1 - W-DA71SJ-4G	7,19	3200	6900	30,0	M150-M155
169,78	18,49	14	SK..26C8 - W-DA71SJ-4G	8,25	3900	6900	30,0	M150-M155
158,44	17,92	15	SK..26C9 - W-DA71SJ-4G	8,84	3900	6900	30,0	M150-M155
137,67	16,15	17	SK..26C10 - W-DA71SJ-4G	10,17	4100	6900	30,0	M150-M155
119,08	14,47	20	SK..26C11,2 - W-DA71SJ-4G	11,76	4300	6900	30,0	M150-M155
112,14	18,32	21	SK..26C12,5 - W-DA71SJ-4G	12,48	4400	6900	30,0	M150-M155
97,82	16,39	24	SK..26C14 - W-DA71SJ-4G	14,31	3900	6900	30,0	M150-M155
91,29	15,87	26	SK..26C16 - W-DA71SJ-4G	15,34	4700	6900	30,0	M150-M155
79,32	14,29	30	SK..26C18 - W-DA71SJ-4G	17,65	4900	6900	30,0	M150-M155
68,61	12,65	35	SK..26C20 - W-DA71SJ-4G	20,40	5100	6900	30,0	M150-M155
63,67	11,73	37	SK..26C22,4 - W-DA71SJ-4G	21,99	5200	6900	30,0	M150-M155
58,97	10,87	40	SK..26C25 - W-DA71SJ-4G	23,74	5300	6900	30,0	M150-M155
50,25	9,26	48	SK..26C28 - W-DA71SJ-4G	27,86	5600	6900	30,0	M150-M155
46,20	8,51	52	SK..26C31,5 - W-DA71SJ-4G	30,30	5700	6900	30,0	M150-M155
38,63	7,12	62	SK..26C35,5 - W-DA71SJ-4G	36,24	6100	6900	30,0	M150-M155
35,09	6,47	68	SK..26C40 - W-DA71SJ-4G	39,90	6200	6900	30,0	M150-M155
31,70	5,84	75	SK..26C45 - W-DA71SJ-4G	44,17	6400	6900	30,0	M150-M155
28,45	5,24	84	SK..26C50 - W-DA71SJ-4G	49,21	6600	6900	30,0	M150-M155
25,34	4,67	94	SK..26C56 - W-DA71SJ-4G	55,25	6800	6900	30,0	M150-M155
22,76	4,20	105	SK..26C63 - W-DA71SJ-4G	61,51	6900	6900	30,0	M150-M155
20,35	3,75	117	SK..26C71 - W-DA71SJ-4G	68,78	6900	6900	30,0	M150-M155
17,51	3,23	136	SK..26C80 - W-DA71SJ-4G	79,96	6900	6900	30,0	M150-M155
15,72	2,90	152	SK..26C90 - W-DA71SJ-4G	89,08	6900	6900	30,0	M150-M155
13,97	2,57	171	SK..26C100 - W-DA71SJ-4G	100,23	6900	6900	30,0	M150-M155
12,65	2,33	189	SK..26C112 - W-DA71SJ-4G	110,71	6900	6900	30,0	M150-M155
11,39	2,10	210	SK..26C125 - W-DA71SJ-4G	122,91	6900	6900	30,0	M150-M155
9,71	1,79	246	SK..26C16B140 - W-DA71SJ-4G	144,19	4500	6900	34,9	M150-M155
10,16	1,87	235	SK..26C140 - W-DA71SJ-4G	137,82	6900	6900	30,0	M150-M155
9,06	1,67	263	SK..26C16B160 - W-DA71SJ-4G	154,51	4500	6900	34,9	M150-M155
8,68	2,91	275	SK..36C16B160 - W-DA71SJ-4G	161,36	4500	13500	45,9	M156-M161
7,87	1,45	303	SK..26C16B180 - W-DA71SJ-4G	177,82	4500	6900	34,9	M150-M155
8,10	2,71	295	SK..36C16B180 - W-DA71SJ-4G	172,89	4500	13500	45,9	M156-M161
6,81	1,26	351	SK..26C16B200 - W-DA71SJ-4G	205,58	4500	6900	34,9	M150-M155
7,04	2,36	339	SK..36C16B200 - W-DA71SJ-4G	198,98	4500	13500	45,9	M156-M161
6,32	1,16	378	SK..26C16B224 - W-DA71SJ-4G	221,53	4500	6900	34,9	M150-M155
6,09	2,04	392	SK..36C16B224 - W-DA71SJ-4G	230,04	4500	13500	45,9	M156-M161
6,32	1,16	378	SK..26C16B250 - W-DA71SJ-4G	221,53	4500	6900	34,9	M150-M155
5,65	1,89	423	SK..36C16B250 - W-DA71SJ-4G	247,90	4500	13500	45,9	M156-M161
4,99	0,92	479	SK..26C16B280 - W-DA71SJ-4G	280,68	4500	6900	34,9	M150-M155
5,23	1,75	456	SK..36C16B280 - W-DA71SJ-4G	267,64	4500	13500	45,9	M156-M161
4,46	1,49	536	SK..36C16B315 - W-DA71SJ-4G	314,08	4500	13500	45,9	M156-M161



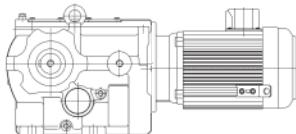
6. SK4

P 0,25 kW n ₁ 1400 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
4,36	2,92	548	SK..46C16B315 - W-DA71SJ-4G	321,31	5500	18000	67,9	M162-M167
4,10	1,37	583	SK..36C16B355 - W-DA71SJ-4G	341,66	4500	13500	45,9	M156-M161
4,04	2,71	590	SK..46C16B355 - W-DA71SJ-4G	346,25	5500	18000	67,9	M162-M167
3,43	1,15	697	SK..36C16B400 - W-DA71SJ-4G	408,63	4500	13500	45,9	M156-M161
3,42	2,29	698	SK..46C16B400 - W-DA71SJ-4G	409,59	5500	18000	67,9	M162-M167
3,11	1,04	767	SK..36C16B450 - W-DA71SJ-4G	449,84	4500	13500	45,9	M156-M161
3,19	2,14	748	SK..46C16B450 - W-DA71SJ-4G	438,69	5500	18000	67,9	M162-M167
2,81	0,94	849	SK..36C16B500 - W-DA71SJ-4G	497,92	4500	13500	45,9	M156-M161
2,93	1,97	814	SK..46C16B500 - W-DA71SJ-4G	477,20	5500	18000	67,9	M162-M167
2,45	1,64	973	SK..46C16B560 - W-DA71SJ-4G	570,74	5500	18000	67,9	M162-M167
2,49	2,92	960	SK..56C16B560 - W-DA71SJ-4G	562,88	7500	27000	98,9	M168-M173
2,23	1,49	1.071	SK..46C16B630 - W-DA71SJ-4G	628,30	5500	18000	67,9	M162-M167
2,29	2,68	1.044	SK..56C16B630 - W-DA71SJ-4G	612,30	7500	27000	98,9	M168-M173
1,94	1,30	1.234	SK..46C16B710 - W-DA71SJ-4G	723,43	5500	18000	67,9	M162-M167
1,91	2,24	1.249	SK..56C16B710 - W-DA71SJ-4G	732,32	7500	27000	98,9	M168-M173
1,72	1,16	1.385	SK..46C16B800 - W-DA71SJ-4G	812,35	5500	18000	67,9	M162-M167
1,74	2,04	1.375	SK..56C16B800 - W-DA71SJ-4G	806,18	7500	27000	98,9	M168-M173
1,55	1,04	1.542	SK..46C16B900 - W-DA71SJ-4G	904,29	5500	18000	67,9	M162-M167
1,57	1,84	1.522	SK..56C16B900 - W-DA71SJ-4G	892,35	7500	27000	98,9	M168-M173
1,38	0,93	1.724	SK..46C16B1000 - W-DA71SJ-4G	1.011,30	5500	18000	67,9	M162-M167
1,41	1,65	1.695	SK..56C16B1000 - W-DA71SJ-4G	994,18	7500	27000	98,9	M168-M173
1,36	2,79	1.758	SK..66C16B1000 - W-DA71SJ-4G	1.030,92	13500	40000	164,9	M174-M179
1,29	0,87	1.847	SK..46C16B1120 - W-DA71SJ-4G	1.083,14	5500	18000	67,9	M162-M167
1,25	1,47	1.904	SK..56C16B1120 - W-DA71SJ-4G	1.116,38	7500	27000	98,9	M168-M173
1,22	2,50	1.957	SK..66C16B1120 - W-DA71SJ-4G	1.147,59	13500	40000	164,9	M174-M179
1,13	1,32	2.119	SK..56C16B1250 - W-DA71SJ-4G	1.242,73	7500	27000	98,9	M168-M173
1,09	2,24	2.188	SK..66C16B1250 - W-DA71SJ-4G	1.283,39	13500	40000	164,9	M174-M179
1,01	1,18	2.370	SK..56C16B1400 - W-DA71SJ-4G	1.389,78	7500	27000	98,9	M168-M173
1,04	2,13	2.305	SK..66C16B1400 - W-DA71SJ-4G	1.352,01	13500	40000	164,9	M174-M179
0,87	1,02	2.755	SK..56C16B1600 - W-DA71SJ-4G	1.615,54	7500	27000	98,9	M168-M173
0,84	1,73	2.834	SK..66C16B1600 - W-DA71SJ-4G	1.662,10	13500	40000	164,9	M174-M179
0,88	2,96	2.704	SK..76C36B1600 - W-DA71SJ-4G	1.585,74	21000	65000	285,9	M180-M185
0,78	0,91	3.069	SK..56C16B1800 - W-DA71SJ-4G	1.799,88	7500	27000	98,9	M168-M173
0,82	1,68	2.925	SK..66C16B1800 - W-DA71SJ-4G	1.715,51	13500	40000	164,9	M174-M179
0,79	2,63	3.039	SK..76C36B1800 - W-DA71SJ-4G	1.782,32	21000	65000	285,9	M180-M185
0,68	1,39	3.522	SK..66C16B2000 - W-DA71SJ-4G	2.065,67	13500	40000	164,9	M174-M179
0,71	2,37	3.378	SK..76C36B2000 - W-DA71SJ-4G	1.981,01	21000	65000	285,9	M180-M185
0,61	1,25	3.911	SK..66C16B2240 - W-DA71SJ-4G	2.293,28	13500	40000	164,9	M174-M179
0,62	2,08	3.845	SK..76C36B2240 - W-DA71SJ-4G	2.255,05	21000	65000	285,9	M180-M185
0,54	1,12	4.385	SK..66C16B2500 - W-DA71SJ-4G	2.571,46	13500	40000	164,9	M174-M179
0,58	1,93	4.152	SK..76C36B2500 - W-DA71SJ-4G	2.434,67	21000	65000	285,9	M180-M185
0,51	1,04	4.716	SK..66C16C2800 - W-DA71SJ-4G	2.765,38	13500	40000	164,9	M174-M179
0,52	1,73	4.618	SK..76C36C2800 - W-DA71SJ-4G	2.707,87	21000	65000	285,9	M180-M185
0,50	2,71	4.803	SK..86C36B2800 - W-DA71SJ-4G	2.816,80	27000	82500	439,9	M186-M191
0,45	0,93	5.295	SK..66C16C3150 - W-DA71SJ-4G	3.105,29	13500	40000	164,9	M174-M179
0,46	1,53	5.230	SK..76C36C3150 - W-DA71SJ-4G	3.066,79	21000	65000	285,9	M180-M185
0,45	2,43	5.342	SK..86C36C3150 - W-DA71SJ-4G	3.132,88	27000	82500	439,9	M186-M191
0,42	1,40	5.703	SK..76C36C3550 - W-DA71SJ-4G	3.344,22	21000	65000	285,9	M180-M185



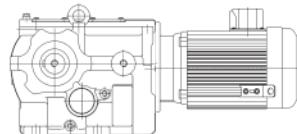
P 0,25 kW n ₁ 1400 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
0,39	2,15	6.050	SK..86C36C3550 - W-DA71SJ-4G	3.548,14	27000	82500	439,9	M186-M191
0,36	1,21	6.601	SK..76C36C4000 - W-DA71SJ-4G	3.870,96	21000	65000	285,9	M180-M185
0,36	1,97	6.598	SK..86C36C4000 - W-DA71SJ-4G	3.869,10	27000	82500	439,9	M186-M191
0,36	2,99	6.693	SK..96C36C4000 - W-DA71SJ-4G	3.925,14	37500	112000	612,9	M192-M197
0,33	1,10	7.289	SK..76C36C4500 - W-DA71SJ-4G	4.274,26	21000	65000	285,9	M180-M185
0,31	1,70	7.637	SK..86C36C4500 - W-DA71SJ-4G	4.478,52	27000	82500	439,9	M186-M191
0,33	2,74	7.299	SK..96C36C4500 - W-DA71SJ-4G	4.280,21	37500	112000	612,9	M192-M197
0,27	0,92	8.720	SK..76C36C5000 - W-DA71SJ-4G	5.113,77	21000	65000	285,9	M180-M185
0,28	1,54	8.433	SK..86C36C5000 - W-DA71SJ-4G	4.945,13	27000	82500	439,9	M186-M191
0,28	2,37	8.448	SK..96C36C5000 - W-DA71SJ-4G	4.954,38	37500	112000	612,9	M192-M197
0,24	1,29	10.089	SK..86C36C5600 - W-DA71SJ-4G	5.916,39	27000	82500	439,9	M186-M191
0,26	2,14	9.329	SK..96C36C5600 - W-DA71SJ-4G	5.470,56	37500	112000	612,9	M192-M197
0,21	1,16	11.233	SK..86C36C6300 - W-DA71SJ-4G	6.587,40	27000	82500	439,9	M186-M191
0,21	1,79	11.161	SK..96C36C6300 - W-DA71SJ-4G	6.545,02	37500	112000	612,9	M192-M197
0,19	1,05	12.426	SK..86C36C7100 - W-DA71SJ-4G	7.287,26	27000	82500	439,9	M186-M191
0,19	1,61	12.427	SK..96C36C7100 - W-DA71SJ-4G	7.287,33	37500	112000	612,9	M192-M197
0,17	0,94	13.804	SK..86C36C8000 - W-DA71SJ-4G	8.095,35	27000	82500	439,9	M186-M191
0,17	1,45	13.747	SK..96C36C8000 - W-DA71SJ-4G	8.061,55	37500	112000	612,9	M192-M197
0,16	1,31	15.271	SK..96C36C9000 - W-DA71SJ-4G	8.955,51	37500	112000	612,9	M192-M197

P 0,37 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
196,02	13,87	18	SK..26C7,1 - W-DA71SK-4G	7,19	3200	6900	30,0	M150-M155
170,99	12,58	21	SK..26C8 - W-DA71SK-4G	8,25	3800	6900	30,0	M150-M155
159,58	12,19	22	SK..26C9 - W-DA71SK-4G	8,84	3900	6900	30,0	M150-M155
138,65	10,99	25	SK..26C10 - W-DA71SK-4G	10,17	4100	6900	30,0	M150-M155
119,93	9,84	29	SK..26C11,2 - W-DA71SK-4G	11,76	4200	6900	30,0	M150-M155
112,94	12,47	31	SK..26C12,5 - W-DA71SK-4G	12,48	4300	6900	30,0	M150-M155
98,52	11,15	36	SK..26C14 - W-DA71SK-4G	14,31	3900	6900	30,0	M150-M155
91,94	10,80	38	SK..26C16 - W-DA71SK-4G	15,34	4600	6900	30,0	M150-M155
79,89	9,72	44	SK..26C18 - W-DA71SK-4G	17,65	4800	6900	30,0	M150-M155
69,10	8,61	51	SK..26C20 - W-DA71SK-4G	20,40	5000	6900	30,0	M150-M155
64,12	7,99	55	SK..26C22,4 - W-DA71SK-4G	21,99	5100	6900	30,0	M150-M155
59,40	7,40	59	SK..26C25 - W-DA71SK-4G	23,74	5200	6900	30,0	M150-M155
50,61	6,30	70	SK..26C28 - W-DA71SK-4G	27,86	5400	6900	30,0	M150-M155
46,53	5,79	76	SK..26C31,5 - W-DA71SK-4G	30,30	5600	6900	30,0	M150-M155
38,90	4,84	91	SK..26C35,5 - W-DA71SK-4G	36,24	5800	6900	30,0	M150-M155
35,34	4,40	100	SK..26C40 - W-DA71SK-4G	39,90	6000	6900	30,0	M150-M155
31,93	3,98	111	SK..26C45 - W-DA71SK-4G	44,17	6100	6900	30,0	M150-M155
28,66	3,57	123	SK..26C50 - W-DA71SK-4G	49,21	6300	6900	30,0	M150-M155
25,52	3,18	138	SK..26C56 - W-DA71SK-4G	55,25	6500	6900	30,0	M150-M155
22,92	2,85	154	SK..26C63 - W-DA71SK-4G	61,51	6700	6900	30,0	M150-M155
20,50	2,55	172	SK..26C71 - W-DA71SK-4G	68,78	6800	6900	30,0	M150-M155
17,63	2,20	200	SK..26C80 - W-DA71SK-4G	79,96	6900	6900	30,0	M150-M155



6. SK4

P 0,37 kW n₁ 1410 min⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
15,83	1,97	223	SK..26C90 - W-DA71SK-4G	89,08	6900	6900	30,0	M150-M155	
14,07	1,75	251	SK..26C100 - W-DA71SK-4G	100,23	6900	6900	30,0	M150-M155	
12,74	1,59	277	SK..26C112 - W-DA71SK-4G	110,71	6900	6900	30,0	M150-M155	
12,35	2,80	286	SK..36C112 - W-DA71SK-4G	114,13	10200	13500	41,0	M156-M161	
11,47	1,43	308	SK..26C125 - W-DA71SK-4G	122,91	6900	6900	30,0	M150-M155	
11,01	2,49	321	SK..36C125 - W-DA71SK-4G	128,05	10500	13500	41,0	M156-M161	
9,78	1,22	361	SK..26C16B140 - W-DA71SK-4G	144,19	4500	6900	34,9	M150-M155	
10,23	1,27	345	SK..26C140 - W-DA71SK-4G	137,82	6900	6900	30,0	M150-M155	
9,81	2,22	360	SK..36C140 - W-DA71SK-4G	143,67	10700	13500	41,0	M156-M161	
9,13	1,14	387	SK..26C16B160 - W-DA71SK-4G	154,51	4500	6900	34,9	M150-M155	
8,74	1,98	404	SK..36C16B160 - W-DA71SK-4G	161,36	4500	13500	45,9	M156-M161	
7,93	0,99	446	SK..26C16B180 - W-DA71SK-4G	177,82	4500	6900	34,9	M150-M155	
8,16	1,85	433	SK..36C16B180 - W-DA71SK-4G	172,89	4500	13500	45,9	M156-M161	
7,72	2,99	458	SK..46C180 - W-DA71SK-4G	182,63	15700	18000	63,0	M162-M167	
6,86	0,85	515	SK..26C16B200 - W-DA71SK-4G	205,58	4500	6900	34,9	M150-M155	
7,09	1,60	499	SK..36C16B200 - W-DA71SK-4G	198,98	4500	13500	45,9	M156-M161	
6,13	1,39	576	SK..36C16B224 - W-DA71SK-4G	230,04	4500	13500	45,9	M156-M161	
6,26	2,83	565	SK..46C16B224 - W-DA71SK-4G	225,37	5500	18000	67,9	M162-M167	
5,69	1,29	621	SK..36C16B250 - W-DA71SK-4G	247,90	4500	13500	45,9	M156-M161	
5,84	2,64	605	SK..46C16B250 - W-DA71SK-4G	241,49	5500	18000	67,9	M162-M167	
5,27	1,19	671	SK..36C16B280 - W-DA71SK-4G	267,64	4500	13500	45,9	M156-M161	
5,07	2,30	696	SK..46C16B280 - W-DA71SK-4G	277,93	5500	18000	67,9	M162-M167	
4,49	1,02	787	SK..36C16B315 - W-DA71SK-4G	314,08	4500	13500	45,9	M156-M161	
4,39	1,99	805	SK..46C16B315 - W-DA71SK-4G	321,31	5500	18000	67,9	M162-M167	
4,13	0,93	856	SK..36C16B355 - W-DA71SK-4G	341,66	4500	13500	45,9	M156-M161	
4,07	1,84	868	SK..46C16B355 - W-DA71SK-4G	346,25	5500	18000	67,9	M162-M167	
3,44	1,56	1.026	SK..46C16B400 - W-DA71SK-4G	409,59	5500	18000	67,9	M162-M167	
3,42	2,71	1.033	SK..56C16B400 - W-DA71SK-4G	412,27	7500	27000	98,9	M168-M173	
3,21	1,46	1.099	SK..46C16B450 - W-DA71SK-4G	438,69	5500	18000	67,9	M162-M167	
3,17	2,52	1.113	SK..56C16B450 - W-DA71SK-4G	444,27	7500	27000	98,9	M168-M173	
2,95	1,34	1.196	SK..46C16B500 - W-DA71SK-4G	477,20	5500	18000	67,9	M162-M167	
2,94	2,33	1.202	SK..56C16B500 - W-DA71SK-4G	479,65	7500	27000	98,9	M168-M173	
2,47	1,12	1.430	SK..46C16B560 - W-DA71SK-4G	570,74	5500	18000	67,9	M162-M167	
2,50	1,99	1.410	SK..56C16B560 - W-DA71SK-4G	562,88	7500	27000	98,9	M168-M173	
2,24	1,02	1.574	SK..46C16B630 - W-DA71SK-4G	628,30	5500	18000	67,9	M162-M167	
2,30	1,82	1.534	SK..56C16B630 - W-DA71SK-4G	612,30	7500	27000	98,9	M168-M173	
1,95	0,88	1.813	SK..46C16B710 - W-DA71SK-4G	723,43	5500	18000	67,9	M162-M167	
1,93	1,53	1.835	SK..56C16B710 - W-DA71SK-4G	732,32	7500	27000	98,9	M168-M173	
1,89	2,63	1.866	SK..66C16B710 - W-DA71SK-4G	744,47	13500	40000	164,9	M174-M179	
1,75	1,39	2.020	SK..56C16B800 - W-DA71SK-4G	806,18	7500	27000	98,9	M168-M173	
1,71	2,37	2.065	SK..66C16B800 - W-DA71SK-4G	824,04	13500	40000	164,9	M174-M179	
1,58	1,25	2.236	SK..56C16B900 - W-DA71SK-4G	892,35	7500	27000	98,9	M168-M173	
1,54	2,13	2.301	SK..66C16B900 - W-DA71SK-4G	918,08	13500	40000	164,9	M174-M179	
1,42	1,12	2.491	SK..56C16B1000 - W-DA71SK-4G	994,18	7500	27000	98,9	M168-M173	
1,37	1,90	2.583	SK..66C16B1000 - W-DA71SK-4G	1.030,92	13500	40000	164,9	M174-M179	
1,26	1,00	2.797	SK..56C16B1120 - W-DA71SK-4G	1.116,38	7500	27000	98,9	M168-M173	
1,23	1,70	2.876	SK..66C16B1120 - W-DA71SK-4G	1.147,59	13500	40000	164,9	M174-M179	
1,22	2,75	2.904	SK..76C36B1120 - W-DA71SK-4G	1.158,92	21000	65000	285,9	M180-M185	
1,13	0,90	3.114	SK..56C16B1250 - W-DA71SK-4G	1.242,73	7500	27000	98,9	M168-M173	
1,10	1,52	3.216	SK..66C16B1250 - W-DA71SK-4G	1.283,39	13500	40000	164,9	M174-M179	
1,09	2,47	3.233	SK..76C36B1250 - W-DA71SK-4G	1.290,36	21000	65000	285,9	M180-M185	
1,04	1,45	3.388	SK..66C16B1400 - W-DA71SK-4G	1.352,01	13500	40000	164,9	M174-M179	
0,99	2,24	3.577	SK..76C36B1400 - W-DA71SK-4G	1.427,45	21000	65000	285,9	M180-M185	

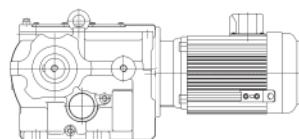


P 0,37 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
0,85	1,18	4.165	SK..66C16B1600 - W-DA71SK-4G	1.662,10	13500	40000	164,9	M174-M179
0,89	2,01	3.974	SK..76C36B1600 - W-DA71SK-4G	1.585,74	21000	65000	285,9	M180-M185
0,82	1,14	4.299	SK..66C16B1800 - W-DA71SK-4G	1.715,51	13500	40000	164,9	M174-M179
0,79	1,79	4.466	SK..76C36B1800 - W-DA71SK-4G	1.782,32	21000	65000	285,9	M180-M185
0,68	0,95	5.176	SK..66C16B2000 - W-DA71SK-4G	2.065,67	13500	40000	164,9	M174-M179
0,71	1,61	4.964	SK..76C36B2000 - W-DA71SK-4G	1.981,01	21000	65000	285,9	M180-M185
0,68	2,52	5.159	SK..86C36B2000 - W-DA71SK-4G	2.058,63	27000	82500	439,9	M186-M191
0,61	0,85	5.747	SK..66C16B2240 - W-DA71SK-4G	2.293,28	13500	40000	164,9	M174-M179
0,63	1,42	5.651	SK..76C36B2240 - W-DA71SK-4G	2.255,05	21000	65000	285,9	M180-M185
0,62	2,26	5.744	SK..86C36B2240 - W-DA71SK-4G	2.292,11	27000	82500	439,9	M186-M191
0,58	1,31	6.101	SK..76C36B2500 - W-DA71SK-4G	2.434,67	21000	65000	285,9	M180-M185
0,56	2,05	6.354	SK..86C36B2500 - W-DA71SK-4G	2.535,63	27000	82500	439,9	M186-M191
0,52	1,18	6.785	SK..76C36C2800 - W-DA71SK-4G	2.707,87	21000	65000	285,9	M180-M185
0,50	1,84	7.058	SK..86C36B2800 - W-DA71SK-4G	2.816,80	27000	82500	439,9	M186-M191
0,51	2,87	6.969	SK..96C36B2800 - W-DA71SK-4G	2.781,25	37500	112000	612,9	M192-M197
0,46	1,04	7.685	SK..76C36C3150 - W-DA71SK-4G	3.066,79	21000	65000	285,9	M180-M185
0,45	1,66	7.850	SK..86C36C3150 - W-DA71SK-4G	3.132,88	27000	82500	439,9	M186-M191
0,45	2,56	7.808	SK..96C36B3150 - W-DA71SK-4G	3.116,10	37500	112000	612,9	M192-M197
0,42	0,95	8.380	SK..76C36C3550 - W-DA71SK-4G	3.344,22	21000	65000	285,9	M180-M185
0,40	1,46	8.891	SK..86C36C3550 - W-DA71SK-4G	3.548,14	27000	82500	439,9	M186-M191
0,41	2,30	8.685	SK..96C36C3550 - W-DA71SK-4G	3.465,75	37500	112000	612,9	M192-M197
0,36	1,34	9.695	SK..86C36C4000 - W-DA71SK-4G	3.869,10	27000	82500	439,9	M186-M191
0,36	2,03	9.836	SK..96C36C4000 - W-DA71SK-4G	3.925,14	37500	112000	612,9	M192-M197
0,31	1,16	11.222	SK..86C36C4500 - W-DA71SK-4G	4.478,52	27000	82500	439,9	M186-M191
0,33	1,86	10.726	SK..96C36C4500 - W-DA71SK-4G	4.280,21	37500	112000	612,9	M192-M197
0,29	1,05	12.392	SK..86C36C5000 - W-DA71SK-4G	4.945,13	27000	82500	439,9	M186-M191
0,28	1,61	12.415	SK..96C36C5000 - W-DA71SK-4G	4.954,38	37500	112000	612,9	M192-M197
0,24	0,88	14.826	SK..86C36C5600 - W-DA71SK-4G	5.916,39	27000	82500	439,9	M186-M191
0,26	1,46	13.708	SK..96C36C5600 - W-DA71SK-4G	5.470,56	37500	112000	612,9	M192-M197
0,22	1,22	16.401	SK..96C36C6300 - W-DA71SK-4G	6.545,02	37500	112000	612,9	M192-M197
0,19	1,10	18.261	SK..96C36C7100 - W-DA71SK-4G	7.287,33	37500	112000	612,9	M192-M197
0,17	0,99	20.201	SK..96C36C8000 - W-DA71SK-4G	8.061,55	37500	112000	612,9	M192-M197
0,16	0,89	22.441	SK..96C36C9000 - W-DA71SK-4G	8.955,51	37500	112000	612,9	M192-M197

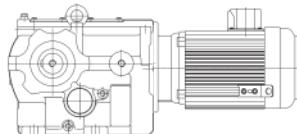
P 0,55 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
196,02	9,33	27	SK..26C7,1 - W-DA80ME-4G	7,19	3200	6900	33,0	M150-M155
170,99	8,46	31	SK..26C8 - W-DA80ME-4G	8,25	3700	6900	33,0	M150-M155
159,58	8,20	33	SK..26C9 - W-DA80ME-4G	8,84	3800	6900	33,0	M150-M155
138,65	7,39	38	SK..26C10 - W-DA80ME-4G	10,17	4000	6900	33,0	M150-M155
119,93	6,62	44	SK..26C11,2 - W-DA80ME-4G	11,76	4100	6900	33,0	M150-M155
112,94	8,39	47	SK..26C12,5 - W-DA80ME-4G	12,48	4200	6900	33,0	M150-M155
98,52	7,50	53	SK..26C14 - W-DA80ME-4G	14,31	3800	6900	33,0	M150-M155



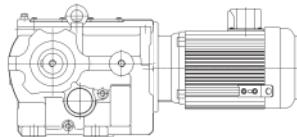
6. SK4



P 0,37 kW	n ₁ 1410 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
91,94	7,26	57		SK..26C16 - W-DA80ME-4G	15,34	4400	6900	33,0	M150-M155	
79,89	6,54	66		SK..26C18 - W-DA80ME-4G	17,65	4600	6900	33,0	M150-M155	
69,10	5,79	76		SK..26C20 - W-DA80ME-4G	20,40	4800	6900	33,0	M150-M155	
64,12	5,37	82		SK..26C22,4 - W-DA80ME-4G	21,99	4900	6900	33,0	M156-M161	
59,40	4,98	88		SK..26C25 - W-DA80ME-4G	23,74	5000	6900	33,0	M150-M155	
50,61	4,24	104		SK..26C28 - W-DA80ME-4G	27,86	5200	6900	33,0	M156-M161	
46,53	3,90	113		SK..26C31,5 - W-DA80ME-4G	30,30	5300	6900	33,0	M150-M155	
38,90	3,26	135		SK..26C35,5 - W-DA80ME-4G	36,24	5500	6900	33,0	M150-M155	
35,34	2,96	149		SK..26C40 - W-DA80ME-4G	39,90	5600	6900	33,0	M156-M161	
31,93	2,67	165		SK..26C45 - W-DA80ME-4G	44,17	5800	6900	33,0	M150-M155	
28,66	2,40	183		SK..26C50 - W-DA80ME-4G	49,21	5900	6900	33,0	M156-M161	
25,52	2,14	206		SK..26C56 - W-DA80ME-4G	55,25	6000	6900	33,0	M150-M155	
22,92	1,92	229		SK..26C63 - W-DA80ME-4G	61,51	6100	6900	33,0	M156-M161	
20,50	1,72	256		SK..26C71 - W-DA80ME-4G	68,78	6200	6900	33,0	M162-M167	
19,61	2,99	268		SK..36C71 - W-DA80ME-4G	71,90	8600	13500	44,0	M150-M155	
17,63	1,48	298		SK..26C80 - W-DA80ME-4G	79,96	6300	6900	33,0	M156-M161	
17,55	2,67	299		SK..36C80 - W-DA80ME-4G	80,34	8800	13500	44,0	M156-M161	
15,83	1,33	332		SK..26C90 - W-DA80ME-4G	89,08	6400	6900	33,0	M162-M167	
15,84	2,41	332		SK..36C90 - W-DA80ME-4G	89,02	9000	13500	44,0	M156-M161	
14,07	1,18	373		SK..26C100 - W-DA80ME-4G	100,23	6500	6900	33,0	M162-M167	
14,22	2,17	369		SK..36C100 - W-DA80ME-4G	99,18	9200	13500	44,0	M156-M161	
12,74	1,07	412		SK..26C112 - W-DA80ME-4G	110,71	6500	6900	33,0	M162-M167	
12,35	1,88	425		SK..36C112 - W-DA80ME-4G	114,13	9400	13500	44,0	M156-M161	
11,47	0,96	458		SK..26C125 - W-DA80ME-4G	122,91	6500	6900	33,0	M162-M167	
11,01	1,68	477		SK..36C125 - W-DA80ME-4G	128,05	9600	13500	44,0	M156-M161	
10,23	0,86	513		SK..26C140 - W-DA80ME-4G	137,82	6500	6900	33,0	M162-M167	
9,81	1,49	535		SK..36C140 - W-DA80ME-4G	143,67	9800	13500	44,0	M162-M167	
10,53	2,93	499		SK..46C140 - W-DA80ME-4G	133,86	13700	18000	66,0	M168-M173	
8,74	1,33	601		SK..36C16B160 - W-DA80ME-4G	161,36	4500	13500	49,0	M162-M167	
9,58	2,66	548		SK..46C160 - W-DA80ME-4G	147,16	14000	18000	66,0	M168-M173	
8,16	1,24	644		SK..36C16B180 - W-DA80ME-4G	172,89	4500	13500	49,0	M162-M167	
7,72	2,01	680		SK..46C180 - W-DA80ME-4G	182,63	14700	18000	66,0	M168-M173	
7,68	2,34	684		SK..46C16B180 - W-DA80ME-4G	183,55	5500	18000	71,0	M162-M167	
7,09	1,08	741		SK..36C16B200 - W-DA80ME-4G	198,98	4500	13500	49,0	M168-M173	
7,17	2,18	732		SK..46C16B200 - W-DA80ME-4G	196,59	5500	18000	71,0	M162-M167	
6,13	0,93	857		SK..36C16B224 - W-DA80ME-4G	230,04	4500	13500	49,0	M168-M173	
6,26	1,91	839		SK..46C16B224 - W-DA80ME-4G	225,37	5500	18000	71,0	M162-M167	
5,69	0,87	923		SK..36C16B250 - W-DA80ME-4G	247,90	4500	13500	49,0	M168-M173	
5,84	1,78	900		SK..46C16B250 - W-DA80ME-4G	241,49	5500	18000	71,0	M174-M179	
5,59	2,98	940		SK..56C16B250 - W-DA80ME-4G	252,24	7500	27000	102,0	M168-M173	
5,07	1,55	1.035		SK..46C16B280 - W-DA80ME-4G	277,93	5500	18000	71,0	M174-M179	
4,88	2,60	1.077		SK..56C16B280 - W-DA80ME-4G	289,17	7500	27000	102,0	M168-M173	
4,39	1,34	1.197		SK..46C16B315 - W-DA80ME-4G	321,31	5500	18000	71,0	M174-M179	
4,55	2,43	1.154		SK..56C16B315 - W-DA80ME-4G	309,85	7500	27000	102,0	M168-M173	
4,07	1,24	1.290		SK..46C16B355 - W-DA80ME-4G	346,25	5500	18000	71,0	M174-M179	
3,95	2,11	1.328		SK..56C16B355 - W-DA80ME-4G	356,61	7500	27000	102,0	M168-M173	
3,44	1,05	1.526		SK..46C16B400 - W-DA80ME-4G	409,59	5500	18000	71,0	M174-M179	
3,42	1,82	1.536		SK..56C16B400 - W-DA80ME-4G	412,27	7500	27000	102,0	M180-M185	
3,21	0,98	1.634		SK..46C16B450 - W-DA80ME-4G	438,69	5500	18000	71,0	M168-M173	
3,17	1,69	1.655		SK..56C16B450 - W-DA80ME-4G	444,27	7500	27000	102,0	M174-M179	
3,18	2,97	1.650		SK..66C16B450 - W-DA80ME-4G	442,93	13500	40000	168,0	M180-M185	
2,95	0,90	1.778		SK..46C16B500 - W-DA80ME-4G	477,20	5500	18000	71,0	M174-M179	

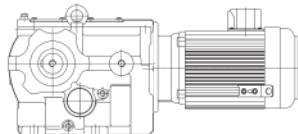


P 0,37 kW n ₁ 1410 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
2,94	1,57	1.787	SK..56C16B500 - W-DA80ME-4G	479,65	7500	27000	102,0	M168-M173
2,71	2,53	1.936	SK..66C16B500 - W-DA80ME-4G	519,79	13500	40000	168,0	M174-M179
2,50	1,34	2.097	SK..56C16B560 - W-DA80ME-4G	562,88	7500	27000	102,0	M168-M173
2,49	2,33	2.106	SK..66C16B560 - W-DA80ME-4G	565,43	13500	40000	168,0	M174-M179
2,30	1,23	2.281	SK..56C16B630 - W-DA80ME-4G	612,30	7500	27000	102,0	M168-M173
2,17	2,02	2.426	SK..66C16B630 - W-DA80ME-4G	651,25	13500	40000	168,0	M174-M179
1,93	1,03	2.728	SK..56C16B710 - W-DA80ME-4G	732,32	7500	27000	102,0	M168-M173
1,89	1,77	2.773	SK..66C16B710 - W-DA80ME-4G	744,47	13500	40000	168,0	M174-M179
1,75	0,93	3.003	SK..56C16B800 - W-DA80ME-4G	806,18	7500	27000	102,0	M168-M173
1,71	1,60	3.069	SK..66C16B800 - W-DA80ME-4G	824,04	13500	40000	168,0	M174-M179
1,86	2,83	2.823	SK..76C36B800 - W-DA80ME-4G	757,89	21000	65000	289,0	M180-M185
1,54	1,43	3.420	SK..66C16B900 - W-DA80ME-4G	918,08	13500	40000	168,0	M174-M179
1,61	2,45	3.268	SK..76C36B900 - W-DA80ME-4G	877,27	21000	65000	289,0	M180-M185
1,37	1,28	3.840	SK..66C16B1000 - W-DA80ME-4G	1.030,92	13500	40000	168,0	M174-M179
1,46	2,22	3.608	SK..76C36B1000 - W-DA80ME-4G	968,67	21000	65000	289,0	M180-M185
1,23	1,15	4.275	SK..66C16B1120 - W-DA80ME-4G	1.147,59	13500	40000	168,0	M174-M179
1,22	1,85	4.317	SK..76C36B1120 - W-DA80ME-4G	1.158,92	21000	65000	289,0	M180-M185
1,10	1,02	4.781	SK..66C16B1250 - W-DA80ME-4G	1.283,39	13500	40000	168,0	M174-M179
1,09	1,66	4.806	SK..76C36B1250 - W-DA80ME-4G	1.290,36	21000	65000	289,0	M180-M185
1,16	2,87	4.527	SK..86C36B1250 - W-DA80ME-4G	1.215,24	27000	82500	443,0	M186-M191
1,04	0,97	5.036	SK..66C16B1400 - W-DA80ME-4G	1.352,01	13500	40000	168,0	M174-M179
0,99	1,50	5.317	SK..76C36B1400 - W-DA80ME-4G	1.427,45	21000	65000	289,0	M180-M185
1,02	2,54	5.126	SK..86C36B1400 - W-DA80ME-4G	1.376,06	27000	82500	443,0	M186-M191
0,89	1,35	5.907	SK..76C36B1600 - W-DA80ME-4G	1.585,74	21000	65000	289,0	M180-M185
0,90	2,24	5.805	SK..86C36B1600 - W-DA80ME-4G	1.558,32	27000	82500	443,0	M186-M191
0,79	1,21	6.639	SK..76C36B1800 - W-DA80ME-4G	1.782,32	21000	65000	289,0	M180-M185
0,82	2,03	6.409	SK..86C36B1800 - W-DA80ME-4G	1.720,67	27000	82500	443,0	M186-M191
0,78	2,96	6.755	SK..96C36B1800 - W-DA80ME-4G	1.813,44	37500	112000	616,0	M192-M197
0,71	1,08	7.379	SK..76C36B2000 - W-DA80ME-4G	1.981,01	21000	65000	289,0	M180-M185
0,68	1,70	7.668	SK..86C36B2000 - W-DA80ME-4G	2.058,63	27000	82500	443,0	M186-M191
0,70	2,67	7.504	SK..96C36B2000 - W-DA80ME-4G	2.014,53	37500	112000	616,0	M192-M197
0,63	0,95	8.400	SK..76C36B2240 - W-DA80ME-4G	2.255,05	21000	65000	289,0	M180-M185
0,62	1,52	8.538	SK..86C36B2240 - W-DA80ME-4G	2.292,11	27000	82500	443,0	M186-M191
0,63	2,42	8.280	SK..96C36B2240 - W-DA80ME-4G	2.222,86	37500	112000	616,0	M192-M197
0,58	0,88	9.069	SK..76C36B2500 - W-DA80ME-4G	2.434,67	21000	65000	289,0	M180-M185
0,56	1,38	9.445	SK..86C36B2500 - W-DA80ME-4G	2.535,63	27000	82500	443,0	M186-M191
0,56	2,15	9.305	SK..96C36B2500 - W-DA80ME-4G	2.497,92	37500	112000	616,0	M192-M197
0,50	1,24	10.492	SK..86C36B2800 - W-DA80ME-4G	2.816,80	27000	82500	443,0	M186-M191
0,51	1,93	10.360	SK..96C36B2800 - W-DA80ME-4G	2.781,25	37500	112000	616,0	M192-M197
0,45	1,11	11.670	SK..86C36C3150 - W-DA80ME-4G	3.132,88	27000	82500	443,0	M186-M191
0,45	1,72	11.607	SK..96C36B3150 - W-DA80ME-4G	3.116,10	37500	112000	616,0	M192-M197
0,40	0,98	13.216	SK..86C36C3550 - W-DA80ME-4G	3.548,14	27000	82500	443,0	M186-M191
0,41	1,55	12.910	SK..96C36C3550 - W-DA80ME-4G	3.465,75	37500	112000	616,0	M192-M197
0,36	0,90	14.412	SK..86C36C4000 - W-DA80ME-4G	3.869,10	27000	82500	443,0	M186-M191
0,36	1,37	14.621	SK..96C36C4000 - W-DA80ME-4G	3.925,14	37500	112000	616,0	M192-M197
0,33	1,25	15.943	SK..96C36C4500 - W-DA80ME-4G	4.280,21	37500	112000	616,0	M192-M197
0,28	1,08	18.455	SK..96C36C5000 - W-DA80ME-4G	4.954,38	37500	112000	616,0	M192-M197
0,26	0,98	20.377	SK..96C36C5600 - W-DA80ME-4G	5.470,56	37500	112000	616,0	M192-M197

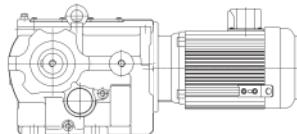


6. SK4

P 0,75 kW n₁ 1440 min⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
200,19	6,99	36	SK..26C7,1 - WUDA80MS-H-4G IE2	7,19	3100	6900	34,0	M150-M155	
174,63	6,34	41	SK..26C8 - WUDA80MS-H-4G IE2	8,25	3600	6900	34,0	M150-M155	
162,97	6,14	44	SK..26C9 - WUDA80MS-H-4G IE2	8,84	3700	6900	34,0	M150-M155	
141,60	5,54	51	SK..26C10 - WUDA80MS-H-4G IE2	10,17	3900	6900	34,0	M150-M155	
122,49	4,96	58	SK..26C11,2 - WUDA80MS-H-4G IE2	11,76	4000	6900	34,0	M150-M155	
115,34	6,28	62	SK..26C12,5 - WUDA80MS-H-4G IE2	12,48	4100	6900	34,0	M150-M155	
100,61	5,62	71	SK..26C14 - WUDA80MS-H-4G IE2	14,31	3700	6900	34,0	M150-M155	
93,90	5,44	76	SK..26C16 - WUDA80MS-H-4G IE2	15,34	4300	6900	34,0	M150-M155	
81,59	4,90	88	SK..26C18 - WUDA80MS-H-4G IE2	17,65	4500	6900	34,0	M150-M155	
70,57	4,34	101	SK..26C20 - WUDA80MS-H-4G IE2	20,40	4600	6900	34,0	M150-M155	
65,49	4,02	109	SK..26C22,4 - WUDA80MS-H-4G IE2	21,99	4700	6900	34,0	M150-M155	
60,66	3,73	118	SK..26C25 - WUDA80MS-H-4G IE2	23,74	4800	6900	34,0	M150-M155	
51,69	3,18	139	SK..26C28 - WUDA80MS-H-4G IE2	27,86	4900	6900	34,0	M150-M155	
47,52	2,92	151	SK..26C31,5 - WUDA80MS-H-4G IE2	30,30	5000	6900	34,0	M150-M155	
39,73	2,44	180	SK..26C35,5 - WUDA80MS-H-4G IE2	36,24	5200	6900	34,0	M150-M155	
36,09	2,22	198	SK..26C40 - WUDA80MS-H-4G IE2	39,90	5300	6900	34,0	M150-M155	
32,60	2,00	220	SK..26C45 - WUDA80MS-H-4G IE2	44,17	5300	6900	34,0	M150-M155	
29,27	1,80	245	SK..26C50 - WUDA80MS-H-4G IE2	49,21	5400	6900	34,0	M150-M155	
26,06	1,60	275	SK..26C56 - WUDA80MS-H-4G IE2	55,25	5500	6900	34,0	M150-M155	
24,45	2,73	293	SK..36C56 - WUDA80MS-H-4G IE2	58,91	7800	13500	45,0	M156-M161	
23,41	1,44	306	SK..26C63 - WUDA80MS-H-4G IE2	61,51	5500	6900	34,0	M150-M155	
22,20	2,48	323	SK..36C63 - WUDA80MS-H-4G IE2	64,86	7900	13500	45,0	M156-M161	
20,93	1,29	342	SK..26C71 - WUDA80MS-H-4G IE2	68,78	5600	6900	34,0	M150-M155	
20,03	2,24	358	SK..36C71 - WUDA80MS-H-4G IE2	71,90	8100	13500	45,0	M156-M161	
18,01	1,11	398	SK..26C80 - WUDA80MS-H-4G IE2	79,96	5600	6900	34,0	M150-M155	
17,92	2,00	400	SK..36C80 - WUDA80MS-H-4G IE2	80,34	8200	13500	45,0	M156-M161	
16,16	0,99	443	SK..26C90 - WUDA80MS-H-4G IE2	89,08	5600	6900	34,0	M150-M155	
16,18	1,81	443	SK..36C90 - WUDA80MS-H-4G IE2	89,02	8400	13500	45,0	M156-M161	
14,37	0,88	499	SK..26C100 - WUDA80MS-H-4G IE2	100,23	5500	6900	34,0	M150-M155	
14,52	1,62	493	SK..36C100 - WUDA80MS-H-4G IE2	99,18	8500	13500	45,0	M156-M161	
12,62	1,41	568	SK..36C112 - WUDA80MS-H-4G IE2	114,13	8600	13500	45,0	M156-M161	
12,59	2,81	569	SK..46C112 - WUDA80MS-H-4G IE2	114,33	12600	18000	67,0	M162-M167	
11,25	1,26	637	SK..36C125 - WUDA80MS-H-4G IE2	128,05	8700	13500	45,0	M156-M161	
11,34	2,53	632	SK..46C125 - WUDA80MS-H-4G IE2	127,01	12800	18000	67,0	M162-M167	
10,02	1,12	715	SK..36C140 - WUDA80MS-H-4G IE2	143,67	8800	13500	45,0	M156-M161	
10,76	2,19	666	SK..46C140 - WUDA80MS-H-4G IE2	133,86	13000	18000	67,0	M162-M167	
8,92	1,00	803	SK..36C16B160 - WUDA80MS-H-4G IE2	161,36	4500	13500	53,5	M156-M161	
9,79	1,99	732	SK..46C160 - WUDA80MS-H-4G IE2	147,16	13200	18000	67,0	M162-M167	
8,33	0,93	860	SK..36C16B180 - WUDA80MS-H-4G IE2	172,89	4500	13500	53,5	M156-M161	
7,88	1,51	908	SK..46C180 - WUDA80MS-H-4G IE2	182,63	13700	18000	67,0	M162-M167	
7,85	1,75	913	SK..46C16B180 - WUDA80MS-H-4G IE2	183,55	5500	18000	75,5	M162-M167	
7,32	1,64	978	SK..46C16B200 - WUDA80MS-H-4G IE2	196,59	5500	18000	75,5	M162-M167	
7,13	2,79	1.004	SK..56C16B200 - WUDA80MS-H-4G IE2	201,86	7500	27000	106,5	M168-M173	
6,39	1,43	1.121	SK..46C16B224 - WUDA80MS-H-4G IE2	225,37	5500	18000	75,5	M162-M167	
6,33	2,48	1.131	SK..56C16B224 - WUDA80MS-H-4G IE2	227,40	7500	27000	106,5	M168-M173	
5,96	1,33	1.201	SK..46C16B250 - WUDA80MS-H-4G IE2	241,49	5500	18000	75,5	M162-M167	
5,71	2,23	1.255	SK..56C16B250 - WUDA80MS-H-4G IE2	252,24	7500	27000	106,5	M168-M173	
5,18	1,16	1.382	SK..46C16B280 - WUDA80MS-H-4G IE2	277,93	5500	18000	75,5	M162-M167	
4,98	1,95	1.438	SK..56C16B280 - WUDA80MS-H-4G IE2	289,17	7500	27000	106,5	M168-M173	
4,65	1,82	1.541	SK..56C16B315 - WUDA80MS-H-4G IE2	309,85	7500	27000	106,5	M168-M173	
4,37	2,99	1.638	SK..66C16B315 - WUDA80MS-H-4G IE2	329,31	13500	40000	172,5	M174-M179	
4,16	0,93	1.722	SK..46C16B355 - WUDA80MS-H-4G IE2	346,25	5500	18000	75,5	M162-M167	

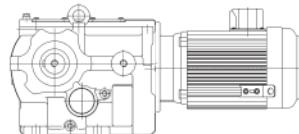


P 0,75 kW n ₁ 1440 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
4,04	1,58	1.774	SK..56C16B355 - WUDA80MS-H-4G IE2	356,61	7500	27000	106,5	M168-M173
4,11	2,81	1.741	SK..66C16B355 - WUDA80MS-H-4G IE2	350,06	13500	40000	172,5	M174-M179
3,49	1,37	2.050	SK..56C16B400 - WUDA80MS-H-4G IE2	412,27	7500	27000	106,5	M168-M173
3,51	2,40	2.040	SK..66C16B400 - WUDA80MS-H-4G IE2	410,26	13500	40000	172,5	M174-M179
3,24	1,27	2.210	SK..56C16B450 - WUDA80MS-H-4G IE2	444,27	7500	27000	106,5	M168-M173
3,25	2,22	2.203	SK..66C16B450 - WUDA80MS-H-4G IE2	442,93	13500	40000	172,5	M174-M179
3,00	1,17	2.386	SK..56C16B500 - WUDA80MS-H-4G IE2	479,65	7500	27000	106,5	M168-M173
2,77	1,90	2.585	SK..66C16B500 - WUDA80MS-H-4G IE2	519,79	13500	40000	172,5	M174-M179
2,56	1,00	2.800	SK..56C16B560 - WUDA80MS-H-4G IE2	562,88	7500	27000	106,5	M168-M173
2,55	1,74	2.812	SK..66C16B560 - WUDA80MS-H-4G IE2	565,43	13500	40000	172,5	M174-M179
2,66	2,97	2.689	SK..76C36B560 - WUDA80MS-H-4G IE2	540,72	21000	65000	293,5	M180-M185
2,35	0,92	3.045	SK..56C16B630 - WUDA80MS-H-4G IE2	612,30	7500	27000	106,5	M168-M173
2,21	1,51	3.239	SK..66C16B630 - WUDA80MS-H-4G IE2	651,25	13500	40000	172,5	M174-M179
2,35	2,62	3.052	SK..76C36B630 - WUDA80MS-H-4G IE2	613,68	21000	65000	293,5	M180-M185
1,93	1,32	3.703	SK..66C16B710 - WUDA80MS-H-4G IE2	744,47	13500	40000	172,5	M174-M179
2,07	2,31	3.457	SK..76C36B710 - WUDA80MS-H-4G IE2	695,02	21000	65000	293,5	M180-M185
1,75	1,20	4.098	SK..66C16B800 - WUDA80MS-H-4G IE2	824,04	13500	40000	172,5	M174-M179
1,90	2,12	3.769	SK..76C36B800 - WUDA80MS-H-4G IE2	757,89	21000	65000	293,5	M180-M185
1,57	1,07	4.566	SK..66C16B900 - WUDA80MS-H-4G IE2	918,08	13500	40000	172,5	M174-M179
1,64	1,83	4.363	SK..76C36B900 - WUDA80MS-H-4G IE2	877,27	21000	65000	293,5	M180-M185
1,65	3,00	4.337	SK..86C36B900 - WUDA80MS-H-4G IE2	871,94	27000	82500	447,5	M186-M191
1,40	0,96	5.127	SK..66C16B1000 - WUDA80MS-H-4G IE2	1.030,92	13500	40000	172,5	M174-M179
1,49	1,66	4.818	SK..76C36B1000 - WUDA80MS-H-4G IE2	968,67	21000	65000	293,5	M180-M185
1,51	2,75	4.729	SK..86C36B1000 - WUDA80MS-H-4G IE2	950,81	27000	82500	447,5	M186-M191
1,25	0,86	5.708	SK..66C16B1120 - WUDA80MS-H-4G IE2	1.147,59	13500	40000	172,5	M174-M179
1,24	1,39	5.764	SK..76C36B1120 - WUDA80MS-H-4G IE2	1.158,92	21000	65000	293,5	M180-M185
1,31	2,37	5.474	SK..86C36B1120 - WUDA80MS-H-4G IE2	1.100,57	27000	82500	447,5	M186-M191
1,12	1,25	6.418	SK..76C36B1250 - WUDA80MS-H-4G IE2	1.290,36	21000	65000	293,5	M180-M185
1,18	2,15	6.044	SK..86C36B1250 - WUDA80MS-H-4G IE2	1.215,24	27000	82500	447,5	M186-M191
1,01	1,13	7.100	SK..76C36B1400 - WUDA80MS-H-4G IE2	1.427,45	21000	65000	293,5	M180-M185
1,05	1,90	6.844	SK..86C36B1400 - WUDA80MS-H-4G IE2	1.376,06	27000	82500	447,5	M186-M191
1,01	2,82	7.080	SK..96C36B1400 - WUDA80MS-H-4G IE2	1.423,52	37500	112000	620,5	M192-M197
0,91	1,01	7.887	SK..76C36B1600 - WUDA80MS-H-4G IE2	1.585,74	21000	65000	293,5	M180-M185
0,92	1,68	7.750	SK..86C36B1600 - WUDA80MS-H-4G IE2	1.558,32	27000	82500	447,5	M186-M191
0,88	2,45	8.153	SK..96C36B1600 - WUDA80MS-H-4G IE2	1.639,27	37500	112000	620,5	M192-M197
0,81	0,90	8.865	SK..76C36B1800 - WUDA80MS-H-4G IE2	1.782,32	21000	65000	293,5	M180-M185
0,84	1,52	8.558	SK..86C36B1800 - WUDA80MS-H-4G IE2	1.720,67	27000	82500	447,5	M186-M191
0,79	2,22	9.019	SK..96C36B1800 - WUDA80MS-H-4G IE2	1.813,44	37500	112000	620,5	M192-M197
0,70	1,27	10.239	SK..86C36B2000 - WUDA80MS-H-4G IE2	2.058,63	27000	82500	447,5	M186-M191
0,71	2,00	10.019	SK..96C36B2000 - WUDA80MS-H-4G IE2	2.014,53	37500	112000	620,5	M192-M197
0,63	1,14	11.400	SK..86C36B2240 - WUDA80MS-H-4G IE2	2.292,11	27000	82500	447,5	M186-M191
0,65	1,81	11.056	SK..96C36B2240 - WUDA80MS-H-4G IE2	2.222,86	37500	112000	620,5	M192-M197
0,57	1,03	12.611	SK..86C36B2500 - WUDA80MS-H-4G IE2	2.535,63	27000	82500	447,5	M186-M191
0,58	1,61	12.424	SK..96C36B2500 - WUDA80MS-H-4G IE2	2.497,92	37500	112000	620,5	M192-M197
0,51	0,93	14.010	SK..86C36B2800 - WUDA80MS-H-4G IE2	2.816,80	27000	82500	447,5	M186-M191
0,52	1,45	13.833	SK..96C36B2800 - WUDA80MS-H-4G IE2	2.781,25	37500	112000	620,5	M192-M197
0,46	1,29	15.498	SK..96C36B3150 - WUDA80MS-H-4G IE2	3.116,10	37500	112000	620,5	M192-M197
0,42	1,16	17.237	SK..96C36C3550 - WUDA80MS-H-4G IE2	3.465,75	37500	112000	620,5	M192-M197
0,37	1,02	19.522	SK..96C36C4000 - WUDA80MS-H-4G IE2	3.925,14	37500	112000	620,5	M192-M197
0,34	0,94	21.288	SK..96C36C4500 - WUDA80MS-H-4G IE2	4.280,21	37500	112000	620,5	M192-M197

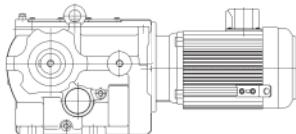


6. SK4

P 1,10 kW n₁ 1425 min⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
172,81	4,28	61	SK..26C8 - WUDA90SRX-H-4G IE2	8,25	3500	6900	38,0	M150-M155	
161,27	4,15	65	SK..26C9 - WUDA90SRX-H-4G IE2	8,84	3600	6900	38,0	M150-M155	
140,13	3,74	75	SK..26C10 - WUDA90SRX-H-4G IE2	10,17	3700	6900	38,0	M150-M155	
121,21	3,35	87	SK..26C11,2 - WUDA90SRX-H-4G IE2	11,76	3800	6900	38,0	M150-M155	
114,14	4,24	92	SK..26C12,5 - WUDA90SRX-H-4G IE2	12,48	3900	6900	38,0	M150-M155	
99,57	3,79	106	SK..26C14 - WUDA90SRX-H-4G IE2	14,31	3500	6900	38,0	M150-M155	
92,92	3,67	113	SK..26C16 - WUDA90SRX-H-4G IE2	15,34	4000	6900	38,0	M150-M155	
80,74	3,31	130	SK..26C18 - WUDA90SRX-H-4G IE2	17,65	4200	6900	38,0	M150-M155	
69,84	2,93	150	SK..26C20 - WUDA90SRX-H-4G IE2	20,40	4300	6900	38,0	M150-M155	
64,81	2,71	162	SK..26C22,4 - WUDA90SRX-H-4G IE2	21,99	4300	6900	38,0	M150-M155	
60,03	2,51	175	SK..26C25 - WUDA90SRX-H-4G IE2	23,74	4400	6900	38,0	M150-M155	
51,15	2,14	205	SK..26C28 - WUDA90SRX-H-4G IE2	27,86	4500	6900	38,0	M150-M155	
47,02	1,97	223	SK..26C31,5 - WUDA90SRX-H-4G IE2	30,30	4500	6900	38,0	M150-M155	
39,32	1,65	267	SK..26C35,5 - WUDA90SRX-H-4G IE2	36,24	4600	6900	38,0	M150-M155	
39,21	2,99	268	SK..36C35,5 - WUDA90SRX-H-4G IE2	36,34	6500	13500	49,0	M156-M161	
35,71	1,50	294	SK..26C40 - WUDA90SRX-H-4G IE2	39,90	4600	6900	38,0	M150-M155	
33,85	2,58	310	SK..36C40 - WUDA90SRX-H-4G IE2	42,09	6700	13500	49,0	M156-M161	
32,27	1,35	326	SK..26C45 - WUDA90SRX-H-4G IE2	44,17	4600	6900	38,0	M150-M155	
31,31	2,38	335	SK..36C45 - WUDA90SRX-H-4G IE2	45,51	6800	13500	49,0	M156-M161	
28,96	1,21	363	SK..26C50 - WUDA90SRX-H-4G IE2	49,21	4600	6900	38,0	M150-M155	
26,93	2,05	390	SK..36C50 - WUDA90SRX-H-4G IE2	52,91	6900	13500	49,0	M156-M161	
25,79	1,08	407	SK..26C56 - WUDA90SRX-H-4G IE2	55,25	4600	6900	38,0	M150-M155	
24,19	1,84	434	SK..36C56 - WUDA90SRX-H-4G IE2	58,91	7000	13500	49,0	M156-M161	
23,17	0,97	453	SK..26C63 - WUDA90SRX-H-4G IE2	61,51	4500	6900	38,0	M150-M155	
21,97	1,67	478	SK..36C63 - WUDA90SRX-H-4G IE2	64,86	7100	13500	49,0	M156-M161	
20,72	0,87	507	SK..26C71 - WUDA90SRX-H-4G IE2	68,78	4500	6900	38,0	M150-M155	
19,82	1,51	530	SK..36C71 - WUDA90SRX-H-4G IE2	71,90	7200	13500	49,0	M156-M161	
17,74	1,35	592	SK..36C80 - WUDA90SRX-H-4G IE2	80,34	7200	13500	49,0	M156-M161	
18,37	2,80	572	SK..46C80 - WUDA90SRX-H-4G IE2	77,59	10800	18000	71,0	M162-M167	
16,01	1,22	656	SK..36C90 - WUDA90SRX-H-4G IE2	89,02	7300	13500	49,0	M156-M161	
15,35	2,34	684	SK..46C90 - WUDA90SRX-H-4G IE2	92,82	11100	18000	71,0	M162-M167	
14,37	1,09	731	SK..36C100 - WUDA90SRX-H-4G IE2	99,18	7300	13500	49,0	M156-M161	
13,79	2,10	762	SK..46C100 - WUDA90SRX-H-4G IE2	103,35	11300	18000	71,0	M162-M167	
12,49	0,95	841	SK..36C112 - WUDA90SRX-H-4G IE2	114,13	7200	13500	49,0	M156-M161	
12,46	1,90	843	SK..46C112 - WUDA90SRX-H-4G IE2	114,33	11500	18000	71,0	M162-M167	
11,22	1,71	936	SK..46C125 - WUDA90SRX-H-4G IE2	127,01	11600	18000	71,0	M162-M167	
10,74	2,97	978	SK..56C125 - WUDA90SRX-H-4G IE2	132,65	14700	27000	102,0	M168-M173	
10,65	1,48	987	SK..46C140 - WUDA90SRX-H-4G IE2	133,86	11700	18000	71,0	M162-M167	
9,58	2,65	1.096	SK..56C140 - WUDA90SRX-H-4G IE2	148,73	14900	27000	102,0	M168-M173	
9,68	1,35	1.085	SK..46C160 - WUDA90SRX-H-4G IE2	147,16	11800	18000	71,0	M162-M167	
8,57	2,28	1.226	SK..56C16B160 - WUDA90SRX-H-4G IE2	166,25	7500	27000	110,5	M168-M173	
7,80	1,02	1.346	SK..46C180 - WUDA90SRX-H-4G IE2	182,63	12000	18000	71,0	M162-M167	
7,76	1,18	1.353	SK..46C16B180 - WUDA90SRX-H-4G IE2	183,55	5500	18000	79,5	M162-M167	
7,77	2,07	1.352	SK..56C16B180 - WUDA90SRX-H-4G IE2	183,45	7500	27000	110,5	M168-M173	
7,25	1,10	1.449	SK..46C16B200 - WUDA90SRX-H-4G IE2	196,59	5500	18000	79,5	M162-M167	
7,06	1,88	1.488	SK..56C16B200 - WUDA90SRX-H-4G IE2	201,86	7500	27000	110,5	M168-M173	
6,32	0,96	1.661	SK..46C16B224 - WUDA90SRX-H-4G IE2	225,37	5500	18000	79,5	M162-M167	
6,27	1,67	1.676	SK..56C16B224 - WUDA90SRX-H-4G IE2	227,40	7500	27000	110,5	M168-M173	
6,12	2,85	1.717	SK..66C16B224 - WUDA90SRX-H-4G IE2	232,93	13500	40000	176,5	M174-M179	
5,90	0,90	1.780	SK..46C16B250 - WUDA90SRX-H-4G IE2	241,49	5500	18000	79,5	M162-M167	
5,65	1,51	1.859	SK..56C16B250 - WUDA90SRX-H-4G IE2	252,24	7500	27000	110,5	M168-M173	
5,50	2,56	1.911	SK..66C16B250 - WUDA90SRX-H-4G IE2	259,31	13500	40000	176,5	M174-M179	
4,93	1,31	2.132	SK..56C16B280 - WUDA90SRX-H-4G IE2	289,17	7500	27000	110,5	M168-M173	

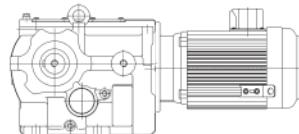


P 1,10 kW n₁ 1425 min⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
4,98	2,32	2.109	SK..66C16B280 - WUDA90SRX-H-4G IE2	286,13	13500	40000	176,5	M174-M179	
4,60	1,23	2.284	SK..56C16B315 - WUDA90SRX-H-4G IE2	309,85	7500	27000	110,5	M168-M173	
4,33	2,02	2.427	SK..66C16B315 - WUDA90SRX-H-4G IE2	329,31	13500	40000	176,5	M174-M179	
4,00	1,07	2.629	SK..56C16B355 - WUDA90SRX-H-4G IE2	356,61	7500	27000	110,5	M168-M173	
4,07	1,90	2.580	SK..66C16B355 - WUDA90SRX-H-4G IE2	350,06	13500	40000	176,5	M174-M179	
3,46	0,92	3.039	SK..56C16B400 - WUDA90SRX-H-4G IE2	412,27	7500	27000	110,5	M168-M173	
3,47	1,62	3.024	SK..66C16B400 - WUDA90SRX-H-4G IE2	410,26	13500	40000	176,5	M174-M179	
3,56	2,71	2.953	SK..76C36B400 - WUDA90SRX-H-4G IE2	400,62	21000	65000	297,5	M180-M185	
3,21	0,85	3.275	SK..56C16B450 - WUDA90SRX-H-4G IE2	444,27	7500	27000	110,5	M168-M173	
3,22	1,50	3.265	SK..66C16B450 - WUDA90SRX-H-4G IE2	442,93	13500	40000	176,5	M174-M179	
3,32	2,53	3.163	SK..76C36B450 - WUDA90SRX-H-4G IE2	429,08	21000	65000	297,5	M180-M185	
2,74	1,28	3.832	SK..66C16B500 - WUDA90SRX-H-4G IE2	519,79	13500	40000	176,5	M174-M179	
2,84	2,16	3.698	SK..76C36B500 - WUDA90SRX-H-4G IE2	501,73	21000	65000	297,5	M180-M185	
2,52	1,18	4.168	SK..66C16B560 - WUDA90SRX-H-4G IE2	565,43	13500	40000	176,5	M174-M179	
2,64	2,01	3.986	SK..76C36B560 - WUDA90SRX-H-4G IE2	540,72	21000	65000	297,5	M180-M185	
2,19	1,02	4.801	SK..66C16B630 - WUDA90SRX-H-4G IE2	651,25	13500	40000	176,5	M174-M179	
2,32	1,77	4.524	SK..76C36B630 - WUDA90SRX-H-4G IE2	613,68	21000	65000	297,5	M180-M185	
2,26	2,80	4.640	SK..86C36B630 - WUDA90SRX-H-4G IE2	629,44	27000	82500	451,5	M186-M191	
1,91	0,89	5.488	SK..66C16B710 - WUDA90SRX-H-4G IE2	744,47	13500	40000	176,5	M174-M179	
2,05	1,56	5.123	SK..76C36B710 - WUDA90SRX-H-4G IE2	695,02	21000	65000	297,5	M180-M185	
2,10	2,60	4.998	SK..86C36B710 - WUDA90SRX-H-4G IE2	677,99	27000	82500	451,5	M186-M191	
1,88	1,43	5.587	SK..76C36B800 - WUDA90SRX-H-4G IE2	757,89	21000	65000	297,5	M180-M185	
1,85	2,29	5.675	SK..86C36B800 - WUDA90SRX-H-4G IE2	769,89	27000	82500	451,5	M186-M191	
1,62	1,24	6.467	SK..76C36B900 - WUDA90SRX-H-4G IE2	877,27	21000	65000	297,5	M180-M185	
1,63	2,02	6.427	SK..86C36B900 - WUDA90SRX-H-4G IE2	871,94	27000	82500	451,5	M186-M191	
1,47	1,12	7.140	SK..76C36B1000 - WUDA90SRX-H-4G IE2	968,67	21000	65000	297,5	M180-M185	
1,50	1,85	7.009	SK..86C36B1000 - WUDA90SRX-H-4G IE2	950,81	27000	82500	451,5	M186-M191	
1,48	2,82	7.097	SK..96C36B1000 - WUDA90SRX-H-4G IE2	962,83	37500	112000	624,5	M192-M197	
1,23	0,94	8.543	SK..76C36B1120 - WUDA90SRX-H-4G IE2	1.158,92	21000	65000	297,5	M180-M185	
1,29	1,60	8.113	SK..86C36B1120 - WUDA90SRX-H-4G IE2	1.100,57	27000	82500	451,5	M186-M191	
1,28	2,43	8.215	SK..96C36B1120 - WUDA90SRX-H-4G IE2	1.114,48	37500	112000	624,5	M192-M197	
1,17	1,45	8.958	SK..86C36B1250 - WUDA90SRX-H-4G IE2	1.215,24	27000	82500	451,5	M186-M191	
1,16	2,20	9.071	SK..96C36B1250 - WUDA90SRX-H-4G IE2	1.230,60	37500	112000	624,5	M192-M197	
1,04	1,28	10.143	SK..86C36B1400 - WUDA90SRX-H-4G IE2	1.376,06	27000	82500	451,5	M186-M191	
1,00	1,91	10.493	SK..96C36B1400 - WUDA90SRX-H-4G IE2	1.423,52	37500	112000	624,5	M192-M197	
0,91	1,13	11.487	SK..86C36B1600 - WUDA90SRX-H-4G IE2	1.558,32	27000	82500	451,5	M186-M191	
0,87	1,66	12.084	SK..96C36B1600 - WUDA90SRX-H-4G IE2	1.639,27	37500	112000	624,5	M192-M197	
0,83	1,02	12.684	SK..86C36B1800 - WUDA90SRX-H-4G IE2	1.720,67	27000	82500	451,5	M186-M191	
0,79	1,50	13.368	SK..96C36B1800 - WUDA90SRX-H-4G IE2	1.813,44	37500	112000	624,5	M192-M197	
0,69	0,86	15.175	SK..86C36B2000 - WUDA90SRX-H-4G IE2	2.058,63	27000	82500	451,5	M186-M191	
0,71	1,35	14.850	SK..96C36B2000 - WUDA90SRX-H-4G IE2	2.014,53	37500	112000	624,5	M192-M197	
0,64	1,22	16.385	SK..96C36B2240 - WUDA90SRX-H-4G IE2	2.222,86	37500	112000	624,5	M192-M197	
0,57	1,09	18.413	SK..96C36B2500 - WUDA90SRX-H-4G IE2	2.497,92	37500	112000	624,5	M192-M197	
0,51	0,98	20.502	SK..96C36B2800 - WUDA90SRX-H-4G IE2	2.781,25	37500	112000	624,5	M192-M197	
0,46	0,87	22.970	SK..96C36B3150 - WUDA90SRX-H-4G IE2	3.116,10	37500	112000	624,5	M192-M197	



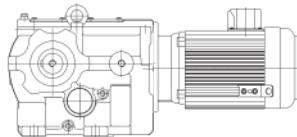
6. SK4

P 1,50 kW	n ₁ 1440 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
		200,19	3,49	72	SK..26C7,1 - WUDA90LWX-H-4G IE2	7,19	2900	6900	40,0	M150-M155
		174,63	3,17	82	SK..26C8 - WUDA90LWX-H-4G IE2	8,25	3300	6900	40,0	M150-M155
		162,97	3,07	88	SK..26C9 - WUDA90LWX-H-4G IE2	8,84	3400	6900	40,0	M150-M155
		141,60	2,77	101	SK..26C10 - WUDA90LWX-H-4G IE2	10,17	3500	6900	40,0	M150-M155
		122,49	2,48	117	SK..26C11,2 - WUDA90LWX-H-4G IE2	11,76	3600	6900	40,0	M150-M155
		115,34	3,14	124	SK..26C12,5 - WUDA90LWX-H-4G IE2	12,48	3600	6900	40,0	M150-M155
		100,61	2,81	142	SK..26C14 - WUDA90LWX-H-4G IE2	14,31	3400	6900	40,0	M150-M155
		93,90	2,72	153	SK..26C16 - WUDA90LWX-H-4G IE2	15,34	3800	6900	40,0	M150-M155
		81,59	2,45	176	SK..26C18 - WUDA90LWX-H-4G IE2	17,65	3800	6900	40,0	M150-M155
		70,57	2,17	203	SK..26C20 - WUDA90LWX-H-4G IE2	20,40	3900	6900	40,0	M150-M155
		65,49	2,01	219	SK..26C22,4 - WUDA90LWX-H-4G IE2	21,99	3900	6900	40,0	M150-M155
		60,66	1,86	236	SK..26C25 - WUDA90LWX-H-4G IE2	23,74	3900	6900	40,0	M150-M155
		51,69	1,59	277	SK..26C28 - WUDA90LWX-H-4G IE2	27,86	4000	6900	40,0	M150-M155
		48,53	2,71	295	SK..36C28 - WUDA90LWX-H-4G IE2	29,67	5800	13500	51,0	M156-M161
		47,52	1,46	301	SK..26C31,5 - WUDA90LWX-H-4G IE2	30,30	4000	6900	40,0	M150-M155
		45,45	2,54	315	SK..36C31,5 - WUDA90LWX-H-4G IE2	31,68	5900	13500	51,0	M156-M161
		39,73	1,22	361	SK..26C35,5 - WUDA90LWX-H-4G IE2	36,24	3900	6900	40,0	M150-M155
		39,63	2,21	361	SK..36C35,5 - WUDA90LWX-H-4G IE2	36,34	6000	13500	51,0	M156-M161
		36,09	1,11	397	SK..26C40 - WUDA90LWX-H-4G IE2	39,90	3900	6900	40,0	M150-M155
		34,21	1,91	419	SK..36C40 - WUDA90LWX-H-4G IE2	42,09	6100	13500	51,0	M156-M161
		32,60	1,00	439	SK..26C45 - WUDA90LWX-H-4G IE2	44,17	3800	6900	40,0	M150-M155
		31,64	1,77	453	SK..36C45 - WUDA90LWX-H-4G IE2	45,51	6200	13500	51,0	M156-M161
		29,27	0,90	489	SK..26C50 - WUDA90LWX-H-4G IE2	49,21	3700	6900	40,0	M150-M155
		27,22	1,52	526	SK..36C50 - WUDA90LWX-H-4G IE2	52,91	6200	13500	51,0	M156-M161
		24,45	1,37	586	SK..36C56 - WUDA90LWX-H-4G IE2	58,91	6200	13500	51,0	M156-M161
		25,87	2,89	554	SK..46C56 - WUDA90LWX-H-4G IE2	55,67	9400	18000	73,0	M162-M167
		22,20	1,24	645	SK..36C63 - WUDA90LWX-H-4G IE2	64,86	6200	13500	51,0	M156-M161
		23,72	2,65	604	SK..46C63 - WUDA90LWX-H-4G IE2	60,70	9600	18000	73,0	M162-M167
		20,03	1,12	715	SK..36C71 - WUDA90LWX-H-4G IE2	71,90	6200	13500	51,0	M156-M161
		20,49	2,29	699	SK..46C71 - WUDA90LWX-H-4G IE2	70,26	9800	18000	73,0	M162-M167
		17,92	1,00	799	SK..36C80 - WUDA90LWX-H-4G IE2	80,34	6100	13500	51,0	M156-M161
		18,56	2,07	772	SK..46C80 - WUDA90LWX-H-4G IE2	77,59	9900	18000	73,0	M162-M167
		16,18	0,90	885	SK..36C90 - WUDA90LWX-H-4G IE2	89,02	6000	13500	51,0	M156-M161
		15,51	1,73	923	SK..46C90 - WUDA90LWX-H-4G IE2	92,82	10100	18000	73,0	M162-M167
		13,93	1,56	1.028	SK..46C100 - WUDA90LWX-H-4G IE2	103,35	10200	18000	73,0	M162-M167
		14,23	2,88	1.007	SK..56C100 - WUDA90LWX-H-4G IE2	101,22	12900	27000	104,0	M168-M173
		12,59	1,41	1.137	SK..46C112 - WUDA90LWX-H-4G IE2	114,33	10200	18000	73,0	M162-M167
		12,95	2,62	1.106	SK..56C112 - WUDA90LWX-H-4G IE2	111,17	13100	27000	104,0	M168-M173
		11,34	1,27	1.263	SK..46C125 - WUDA90LWX-H-4G IE2	127,01	10300	18000	73,0	M162-M167
		10,86	2,20	1.320	SK..56C125 - WUDA90LWX-H-4G IE2	132,65	13300	27000	104,0	M168-M173
		10,76	1,10	1.332	SK..46C140 - WUDA90LWX-H-4G IE2	133,86	10300	18000	73,0	M162-M167
		9,68	1,96	1.479	SK..56C140 - WUDA90LWX-H-4G IE2	148,73	13500	27000	104,0	M168-M173
		9,79	1,00	1.464	SK..46C160 - WUDA90LWX-H-4G IE2	147,16	10200	18000	73,0	M162-M167
		8,66	1,69	1.654	SK..56C16B160 - WUDA90LWX-H-4G IE2	166,25	7500	27000	113,0	M168-M173
		8,55	2,92	1.675	SK..66C160 - WUDA90LWX-H-4G IE2	168,44	22500	40000	170,0	M174-M179
		7,85	0,88	1.826	SK..46C16B180 - WUDA90LWX-H-4G IE2	183,55	5500	18000	82,0	M162-M167
		7,85	1,53	1.825	SK..56C16B180 - WUDA90LWX-H-4G IE2	183,45	7500	27000	113,0	M168-M173
		7,63	2,61	1.878	SK..66C180 - WUDA90LWX-H-4G IE2	188,84	22900	40000	170,0	M174-M179
		7,13	1,39	2.008	SK..56C16B200 - WUDA90LWX-H-4G IE2	201,86	7500	27000	113,0	M168-M173
		6,82	2,33	2.100	SK..66C16B200 - WUDA90LWX-H-4G IE2	211,10	13500	40000	179,0	M174-M179
		6,33	1,24	2.262	SK..56C16B224 - WUDA90LWX-H-4G IE2	227,40	7500	27000	113,0	M168-M173
		6,18	2,11	2.317	SK..66C16B224 - WUDA90LWX-H-4G IE2	232,93	13500	40000	179,0	M174-M179
		5,71	1,12	2.509	SK..56C16B250 - WUDA90LWX-H-4G IE2	252,24	7500	27000	113,0	M168-M173



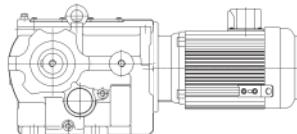
P 1,50 kW n ₁ 1440 min ⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
5,55	1,90	2.579	SK..66C16B250 - WUDA90LWX-H-4G IE2	259,31	13500	40000	179,0	M150-M155	
4,98	0,97	2.876	SK..56C16B280 - WUDA90LWX-H-4G IE2	289,17	7500	27000	113,0	M150-M155	
5,03	1,72	2.846	SK..66C16B280 - WUDA90LWX-H-4G IE2	286,13	13500	40000	179,0	M150-M155	
4,65	0,91	3.082	SK..56C16B315 - WUDA90LWX-H-4G IE2	309,85	7500	27000	113,0	M150-M155	
4,37	1,50	3.276	SK..66C16B315 - WUDA90LWX-H-4G IE2	329,31	13500	40000	179,0	M150-M155	
4,11	1,41	3.482	SK..66C16B355 - WUDA90LWX-H-4G IE2	350,06	13500	40000	179,0	M150-M155	
3,99	2,23	3.590	SK..76C36B355 - WUDA90LWX-H-4G IE2	360,90	21000	65000	300,0	M150-M155	
3,51	1,20	4.081	SK..66C16B400 - WUDA90LWX-H-4G IE2	410,26	13500	40000	179,0	M150-M155	
3,59	2,01	3.985	SK..76C36B400 - WUDA90LWX-H-4G IE2	400,62	21000	65000	300,0	M150-M155	
3,25	1,11	4.406	SK..66C16B450 - WUDA90LWX-H-4G IE2	442,93	13500	40000	179,0	M150-M155	
3,36	1,87	4.268	SK..76C36B450 - WUDA90LWX-H-4G IE2	429,08	21000	65000	300,0	M150-M155	
3,18	2,89	4.504	SK..86C36B450 - WUDA90LWX-H-4G IE2	452,77	27000	82500	454,0	M150-M155	
2,77	0,95	5.170	SK..66C16B500 - WUDA90LWX-H-4G IE2	519,79	13500	40000	179,0	M150-M155	
2,87	1,60	4.991	SK..76C36B500 - WUDA90LWX-H-4G IE2	501,73	21000	65000	300,0	M156-M161	
2,87	2,60	4.999	SK..86C36B500 - WUDA90LWX-H-4G IE2	502,60	27000	82500	454,0	M150-M155	
2,55	0,87	5.624	SK..66C16B560 - WUDA90LWX-H-4G IE2	565,43	13500	40000	179,0	M156-M161	
2,66	1,49	5.379	SK..76C36B560 - WUDA90LWX-H-4G IE2	540,72	21000	65000	300,0	M150-M155	
2,68	2,43	5.355	SK..86C36B560 - WUDA90LWX-H-4G IE2	538,31	27000	82500	454,0	M156-M161	
2,35	1,31	6.104	SK..76C36B630 - WUDA90LWX-H-4G IE2	613,68	21000	65000	300,0	M150-M155	
2,29	2,08	6.261	SK..86C36B630 - WUDA90LWX-H-4G IE2	629,44	27000	82500	454,0	M156-M161	
2,07	1,16	6.913	SK..76C36B710 - WUDA90LWX-H-4G IE2	695,02	21000	65000	300,0	M150-M155	
2,12	1,93	6.744	SK..86C36B710 - WUDA90LWX-H-4G IE2	677,99	27000	82500	454,0	M156-M161	
2,10	2,93	6.829	SK..96C36B710 - WUDA90LWX-H-4G IE2	686,56	37500	112000	627,0	M150-M155	
1,90	1,06	7.539	SK..76C36B800 - WUDA90LWX-H-4G IE2	757,89	21000	65000	300,0	M156-M161	
1,87	1,70	7.658	SK..86C36B800 - WUDA90LWX-H-4G IE2	769,89	27000	82500	454,0	M156-M161	
1,85	2,58	7.755	SK..96C36B800 - WUDA90LWX-H-4G IE2	779,62	37500	112000	627,0	M162-M167	
1,64	0,92	8.726	SK..76C36B900 - WUDA90LWX-H-4G IE2	877,27	21000	65000	300,0	M156-M161	
1,65	1,50	8.673	SK..86C36B900 - WUDA90LWX-H-4G IE2	871,94	27000	82500	454,0	M162-M167	
1,63	2,28	8.783	SK..96C36B900 - WUDA90LWX-H-4G IE2	882,95	37500	112000	627,0	M156-M161	
1,51	1,37	9.458	SK..86C36B1000 - WUDA90LWX-H-4G IE2	950,81	27000	82500	454,0	M162-M167	
1,50	2,09	9.577	SK..96C36B1000 - WUDA90LWX-H-4G IE2	962,83	37500	112000	627,0	M156-M161	
1,31	1,19	10.948	SK..86C36B1120 - WUDA90LWX-H-4G IE2	1.100,57	27000	82500	454,0	M162-M167	
1,29	1,80	11.086	SK..96C36B1120 - WUDA90LWX-H-4G IE2	1.114,48	37500	112000	627,0	M156-M161	
1,18	1,08	12.088	SK..86C36B1250 - WUDA90LWX-H-4G IE2	1.215,24	27000	82500	454,0	M162-M167	
1,17	1,63	12.241	SK..96C36B1250 - WUDA90LWX-H-4G IE2	1.230,60	37500	112000	627,0	M162-M167	
1,05	0,95	13.688	SK..86C36B1400 - WUDA90LWX-H-4G IE2	1.376,06	27000	82500	454,0	M168-M173	
1,01	1,41	14.160	SK..96C36B1400 - WUDA90LWX-H-4G IE2	1.423,52	37500	112000	627,0	M162-M167	
0,88	1,23	16.306	SK..96C36B1600 - WUDA90LWX-H-4G IE2	1.639,27	37500	112000	627,0	M168-M173	
0,79	1,11	18.039	SK..96C36B1800 - WUDA90LWX-H-4G IE2	1.813,44	37500	112000	627,0	M162-M167	
0,71	1,00	20.039	SK..96C36B2000 - WUDA90LWX-H-4G IE2	2.014,53	37500	112000	627,0	M168-M173	
0,65	0,90	22.111	SK..96C36B2240 - WUDA90LWX-H-4G IE2	2.222,86	37500	112000	627,0	M162-M167	

P 2,20 kW n ₁ 1435 min ⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
199,50	2,37	105	SK..26C7,1 - WUDA100LS-H-4G IE2	7,19	2800	6900	51,0	M150-M155	
174,02	2,15	121	SK..26C8 - WUDA100LS-H-4G IE2	8,25	3100	6900	51,0	M150-M155	
162,41	2,09	129	SK..26C9 - WUDA100LS-H-4G IE2	8,84	3100	6900	51,0	M150-M155	
141,11	1,88	149	SK..26C10 - WUDA100LS-H-4G IE2	10,17	3200	6900	51,0	M150-M155	
139,46	2,89	151	SK..36C10 - WUDA100LS-H-4G IE2	10,29	4400	13500	62,0	M156-M161	



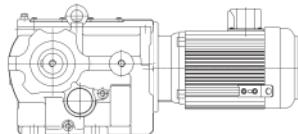
6. SK4

P 2,20 kW	n ₁ 1435 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
		122,06	1,68	172	SK..26C11,2 - WUDA100LS-H-4G IE2	11,76	3200	6900	51,0	M150-M155
		124,50	2,67	169	SK..36C11,2 - WUDA100LS-H-4G IE2	11,53	4500	13500	62,0	M156-M161
		114,94	2,13	183	SK..26C12,5 - WUDA100LS-H-4G IE2	12,48	3200	6900	51,0	M150-M155
		110,79	2,48	190	SK..36C12,5 - WUDA100LS-H-4G IE2	12,95	4600	13500	62,0	M156-M161
		100,26	1,91	210	SK..26C14 - WUDA100LS-H-4G IE2	14,31	3100	6900	51,0	M150-M155
		93,57	1,85	225	SK..26C16 - WUDA100LS-H-4G IE2	15,34	3300	6900	51,0	M150-M155
		81,30	1,66	258	SK..26C18 - WUDA100LS-H-4G IE2	17,65	3300	6900	51,0	M150-M155
		77,94	2,71	270	SK..36C18 - WUDA100LS-H-4G IE2	18,41	4900	13500	62,0	M156-M161
		70,33	1,47	299	SK..26C20 - WUDA100LS-H-4G IE2	20,40	3200	6900	51,0	M150-M155
		69,58	2,52	302	SK..36C20 - WUDA100LS-H-4G IE2	20,62	5000	13500	62,0	M156-M161
		65,26	1,37	322	SK..26C22,4 - WUDA100LS-H-4G IE2	21,99	3200	6900	51,0	M150-M155
		61,92	2,33	339	SK..36C22,4 - WUDA100LS-H-4G IE2	23,18	5000	13500	62,0	M156-M161
		60,45	1,27	348	SK..26C25 - WUDA100LS-H-4G IE2	23,74	3200	6900	51,0	M150-M155
		58,32	2,22	360	SK..36C25 - WUDA100LS-H-4G IE2	24,61	5100	13500	62,0	M156-M161
		51,51	1,08	408	SK..26C28 - WUDA100LS-H-4G IE2	27,86	3100	6900	51,0	M150-M155
		48,36	1,84	434	SK..36C28 - WUDA100LS-H-4G IE2	29,67	5100	13500	62,0	M156-M161
		47,35	0,99	444	SK..26C31,5 - WUDA100LS-H-4G IE2	30,30	3000	6900	51,0	M150-M155
		45,29	1,72	464	SK..36C31,5 - WUDA100LS-H-4G IE2	31,68	5100	13500	62,0	M156-M161
		39,49	1,50	532	SK..36C35,5 - WUDA100LS-H-4G IE2	36,34	5100	13500	62,0	M156-M161
		41,75	2,94	503	SK..46C35,5 - WUDA100LS-H-4G IE2	34,37	7900	18000	84,0	M162-M167
		34,09	1,30	616	SK..36C40 - WUDA100LS-H-4G IE2	42,09	5100	13500	62,0	M156-M161
		35,71	2,67	588	SK..46C40 - WUDA100LS-H-4G IE2	40,19	8100	18000	84,0	M162-M167
		31,53	1,20	666	SK..36C45 - WUDA100LS-H-4G IE2	45,51	5100	13500	62,0	M156-M161
		33,15	2,52	634	SK..46C45 - WUDA100LS-H-4G IE2	43,29	8200	18000	84,0	M162-M167
		27,12	1,03	775	SK..36C50 - WUDA100LS-H-4G IE2	52,91	4900	13500	62,0	M156-M161
		29,19	2,22	720	SK..46C50 - WUDA100LS-H-4G IE2	49,15	8300	18000	84,0	M162-M167
		24,36	0,93	862	SK..36C56 - WUDA100LS-H-4G IE2	58,91	4800	13500	62,0	M156-M161
		25,78	1,96	815	SK..46C56 - WUDA100LS-H-4G IE2	55,67	8400	18000	84,0	M162-M167
		23,64	1,80	889	SK..46C63 - WUDA100LS-H-4G IE2	60,70	8400	18000	84,0	M162-M167
		20,42	1,56	1.029	SK..46C71 - WUDA100LS-H-4G IE2	70,26	8500	18000	84,0	M162-M167
		20,24	2,79	1.038	SK..56C71 - WUDA100LS-H-4G IE2	70,89	11000	27000	115,0	M168-M173
		18,50	1,41	1.136	SK..46C80 - WUDA100LS-H-4G IE2	77,59	8500	18000	84,0	M162-M167
		17,74	2,45	1.184	SK..56C80 - WUDA100LS-H-4G IE2	80,88	11100	27000	115,0	M168-M173
		15,46	1,18	1.359	SK..46C90 - WUDA100LS-H-4G IE2	92,82	8400	18000	84,0	M162-M167
		16,36	2,26	1.284	SK..56C90 - WUDA100LS-H-4G IE2	87,69	11100	27000	115,0	M168-M173
		13,88	1,06	1.513	SK..46C100 - WUDA100LS-H-4G IE2	103,35	8200	18000	84,0	M162-M167
		14,18	1,96	1.482	SK..56C100 - WUDA100LS-H-4G IE2	101,22	11200	27000	115,0	M168-M173
		12,55	0,96	1.674	SK..46C112 - WUDA100LS-H-4G IE2	114,33	8100	18000	84,0	M162-M167
		12,91	1,78	1.627	SK..56C112 - WUDA100LS-H-4G IE2	111,17	11200	27000	115,0	M168-M173
		11,30	0,86	1.859	SK..46C125 - WUDA100LS-H-4G IE2	127,01	7900	18000	84,0	M162-M167
		10,82	1,49	1.942	SK..56C125 - WUDA100LS-H-4G IE2	132,65	11100	27000	115,0	M168-M173
		11,17	2,60	1.882	SK..66C125 - WUDA100LS-H-4G IE2	128,53	19400	40000	181,0	M174-M179
		9,65	1,33	2.177	SK..56C140 - WUDA100LS-H-4G IE2	148,73	10900	27000	115,0	M168-M173
		10,17	2,37	2.066	SK..66C140 - WUDA100LS-H-4G IE2	141,15	19500	40000	181,0	M174-M179
		8,63	1,15	2.434	SK..56C16B160 - WUDA100LS-H-4G IE2	166,25	7500	27000	123,0	M168-M173
		8,52	1,99	2.466	SK..66C160 - WUDA100LS-H-4G IE2	168,44	19800	40000	181,0	M174-M179
		7,82	1,04	2.686	SK..56C16B180 - WUDA100LS-H-4G IE2	183,45	7500	27000	123,0	M168-M173
		7,60	1,77	2.765	SK..66C180 - WUDA100LS-H-4G IE2	188,84	19900	40000	181,0	M174-M179
		7,11	0,95	2.955	SK..56C16B200 - WUDA100LS-H-4G IE2	201,86	7500	27000	123,0	M168-M173
		6,80	1,59	3.090	SK..66C16B200 - WUDA100LS-H-4G IE2	211,10	13500	40000	189,0	M174-M179
		7,14	2,72	2.942	SK..76C36B200 - WUDA100LS-H-4G IE2	200,97	21000	65000	310,0	M180-M185
		6,16	1,44	3.410	SK..66C16B224 - WUDA100LS-H-4G IE2	232,93	13500	40000	189,0	M174-M179
		6,38	2,43	3.294	SK..76C36B224 - WUDA100LS-H-4G IE2	225,01	21000	65000	310,0	M180-M185



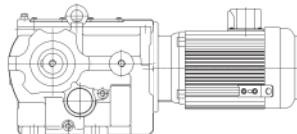
P 2,20 kW n ₁ 1435 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
5,53	1,29	3.796	SK..66C16B250 - WUDA100LS-H-4G IE2	259,31	13500	40000	189,0	M174-M179
5,57	2,12	3.772	SK..76C36B250 - WUDA100LS-H-4G IE2	257,63	21000	65000	310,0	M180-M185
5,02	1,17	4.189	SK..66C16B280 - WUDA100LS-H-4G IE2	286,13	13500	40000	189,0	M174-M179
5,08	1,93	4.138	SK..76C36B280 - WUDA100LS-H-4G IE2	282,66	21000	65000	310,0	M180-M185
4,36	1,02	4.821	SK..66C16B315 - WUDA100LS-H-4G IE2	329,31	13500	40000	189,0	M174-M179
4,40	1,67	4.780	SK..76C36B315 - WUDA100LS-H-4G IE2	326,48	21000	65000	310,0	M180-M185
4,44	2,75	4.732	SK..86C36B315 - WUDA100LS-H-4G IE2	323,21	27000	82500	464,0	M186-M191
4,10	0,96	5.125	SK..66C16B355 - WUDA100LS-H-4G IE2	350,06	13500	40000	189,0	M174-M179
3,98	1,51	5.284	SK..76C36B355 - WUDA100LS-H-4G IE2	360,90	21000	65000	310,0	M180-M185
3,98	1,51	5.284	SK..76C36B355 - WUDA100LS-H-4G IE2	360,90	21000	65000	310,0	M180-M185
4,05	2,50	5.192	SK..86C36B355 - WUDA100LS-H-4G IE2	354,62	27000	82500	464,0	M186-M191
3,58	1,36	5.865	SK..76C36B400 - WUDA100LS-H-4G IE2	400,62	21000	65000	310,0	M180-M185
3,50	2,17	5.996	SK..86C36B400 - WUDA100LS-H-4G IE2	409,58	27000	82500	464,0	M186-M191
3,34	1,27	6.282	SK..76C36B450 - WUDA100LS-H-4G IE2	429,08	21000	65000	310,0	M180-M185
3,17	1,96	6.629	SK..86C36B450 - WUDA100LS-H-4G IE2	452,77	27000	82500	464,0	M186-M191
3,17	1,96	6.629	SK..86C36B450 - WUDA100LS-H-4G IE2	452,77	27000	82500	464,0	M186-M191
3,13	2,98	6.712	SK..96C36B450 - WUDA100LS-H-4G IE2	458,49	37500	112000	637,0	M192-M197
3,13	2,98	6.712	SK..96C36B450 - WUDA100LS-H-4G IE2	458,49	37500	112000	637,0	M192-M197
2,86	1,09	7.345	SK..76C36B500 - WUDA100LS-H-4G IE2	501,73	21000	65000	310,0	M180-M185
2,86	1,77	7.358	SK..86C36B500 - WUDA100LS-H-4G IE2	502,60	27000	82500	464,0	M186-M191
2,82	2,68	7.451	SK..96C36B500 - WUDA100LS-H-4G IE2	508,95	37500	112000	637,0	M192-M197
2,65	1,01	7.916	SK..76C36B560 - WUDA100LS-H-4G IE2	540,72	21000	65000	310,0	M180-M185
2,67	1,65	7.881	SK..86C36B560 - WUDA100LS-H-4G IE2	538,31	27000	82500	464,0	M186-M191
2,63	2,51	7.980	SK..96C36B560 - WUDA100LS-H-4G IE2	545,11	37500	112000	637,0	M192-M197
2,34	0,89	8.984	SK..76C36B630 - WUDA100LS-H-4G IE2	613,68	21000	65000	310,0	M180-M185
2,28	1,41	9.215	SK..86C36B630 - WUDA100LS-H-4G IE2	629,44	27000	82500	464,0	M186-M191
2,25	2,14	9.331	SK..96C36B630 - WUDA100LS-H-4G IE2	637,40	37500	112000	637,0	M192-M197
2,12	1,31	9.926	SK..86C36B710 - WUDA100LS-H-4G IE2	677,99	27000	82500	464,0	M186-M191
2,09	1,99	10.051	SK..96C36B710 - WUDA100LS-H-4G IE2	686,56	37500	112000	637,0	M192-M197
1,86	1,15	11.271	SK..86C36B800 - WUDA100LS-H-4G IE2	769,89	27000	82500	464,0	M186-M191
1,84	1,75	11.414	SK..96C36B800 - WUDA100LS-H-4G IE2	779,62	37500	112000	637,0	M192-M197
1,65	1,02	12.765	SK..86C36B900 - WUDA100LS-H-4G IE2	871,94	27000	82500	464,0	M186-M191
1,63	1,55	12.926	SK..96C36B900 - WUDA100LS-H-4G IE2	882,95	37500	112000	637,0	M192-M197
1,51	0,93	13.920	SK..86C36B1000 - WUDA100LS-H-4G IE2	950,81	27000	82500	464,0	M186-M191
1,49	1,42	14.096	SK..96C36B1000 - WUDA100LS-H-4G IE2	962,83	37500	112000	637,0	M192-M197
1,29	1,23	16.316	SK..96C36B1120 - WUDA100LS-H-4G IE2	1.114,48	37500	112000	637,0	M192-M197
1,17	1,11	18.016	SK..96C36B1250 - WUDA100LS-H-4G IE2	1.230,60	37500	112000	637,0	M192-M197
1,01	0,96	20.840	SK..96C36B1400 - WUDA100LS-H-4G IE2	1.423,52	37500	112000	637,0	M192-M197

P 3,00 kW n ₁ 1445 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
184,84	2,48	155	SK..36C8 - WUDA112MT-H-4G IE2	7,82	3900	13200	74,0	M156-M161
165,77	2,37	173	SK..36C9 - WUDA112MT-H-4G IE2	8,72	4000	13500	74,0	M156-M161
140,43	2,13	204	SK..36C10 - WUDA112MT-H-4G IE2	10,29	4100	13500	74,0	M156-M161
125,37	1,97	229	SK..36C11,2 - WUDA112MT-H-4G IE2	11,53	4200	13500	74,0	M156-M161
126,83	2,83	226	SK..46C11,2 - WUDA112MT-H-4G IE2	11,39	6000	17300	96,0	M162-M167
111,56	1,83	257	SK..36C12,5 - WUDA112MT-H-4G IE2	12,95	4300	13500	74,0	M156-M161
115,60	2,70	248	SK..46C12,5 - WUDA112MT-H-4G IE2	12,50	6100	17800	96,0	M162-M167



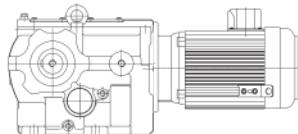
6. SK4

P 3,00 kW n₁ 1445 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
103,30	2,42	277	SK..36C14 - WUDA112MT-H-4G IE2	13,99	4200	13500	74,0	M156-M161
92,64	2,26	309	SK..36C16 - WUDA112MT-H-4G IE2	15,60	4300	13500	74,0	M156-M161
78,48	2,00	365	SK..36C18 - WUDA112MT-H-4G IE2	18,41	4400	13500	74,0	M156-M161
70,06	1,86	409	SK..36C20 - WUDA112MT-H-4G IE2	20,62	4400	13500	74,0	M156-M161
70,03	2,98	409	SK..46C20 - WUDA112MT-H-4G IE2	20,63	6700	18000	96,0	M162-M167
62,35	1,72	459	SK..36C22,4 - WUDA112MT-H-4G IE2	23,18	4400	13500	74,0	M156-M161
63,83	2,85	449	SK..46C22,4 - WUDA112MT-H-4G IE2	22,64	6800	18000	96,0	M162-M167
58,73	1,64	488	SK..36C25 - WUDA112MT-H-4G IE2	24,61	4400	13500	74,0	M156-M161
55,26	2,60	518	SK..46C25 - WUDA112MT-H-4G IE2	26,15	7000	18000	96,0	M162-M167
48,70	1,36	588	SK..36C28 - WUDA112MT-H-4G IE2	29,67	4300	13500	74,0	M156-M161
49,99	2,46	573	SK..46C28 - WUDA112MT-H-4G IE2	28,91	7100	18000	96,0	M162-M167
45,61	1,27	628	SK..36C31,5 - WUDA112MT-H-4G IE2	31,68	4300	13500	74,0	M156-M161
45,03	2,28	636	SK..46C31,5 - WUDA112MT-H-4G IE2	32,09	7100	18000	96,0	M162-M167
39,76	1,11	720	SK..36C35,5 - WUDA112MT-H-4G IE2	36,34	4100	13500	74,0	M156-M161
42,05	2,17	681	SK..46C35,5 - WUDA112MT-H-4G IE2	34,37	7200	18000	96,0	M162-M167
34,33	0,96	835	SK..36C40 - WUDA112MT-H-4G IE2	42,09	3900	13500	74,0	M156-M161
35,96	1,97	797	SK..46C40 - WUDA112MT-H-4G IE2	40,19	7200	18000	96,0	M162-M167
31,75	0,89	902	SK..36C45 - WUDA112MT-H-4G IE2	45,51	3800	13500	74,0	M156-M161
33,38	1,86	858	SK..46C45 - WUDA112MT-H-4G IE2	43,29	7200	18000	96,0	M162-M167
29,40	1,64	974	SK..46C50 - WUDA112MT-H-4G IE2	49,15	7200	18000	96,0	M162-M167
28,61	2,90	1.001	SK..56C50 - WUDA112MT-H-4G IE2	50,51	9500	27000	127,0	M168-M173
25,96	1,45	1.104	SK..46C56 - WUDA112MT-H-4G IE2	55,67	7200	18000	96,0	M162-M167
24,36	2,47	1.176	SK..56C56 - WUDA112MT-H-4G IE2	59,31	9600	27000	127,0	M168-M173
23,80	1,33	1.203	SK..46C63 - WUDA112MT-H-4G IE2	60,70	7100	18000	96,0	M162-M167
22,77	2,30	1.258	SK..56C63 - WUDA112MT-H-4G IE2	63,47	9600	27000	127,0	M168-M173
20,57	1,15	1.393	SK..46C71 - WUDA112MT-H-4G IE2	70,26	7000	18000	96,0	M162-M167
20,38	2,06	1.405	SK..56C71 - WUDA112MT-H-4G IE2	70,89	9600	27000	127,0	M168-M173
18,62	1,04	1.538	SK..46C80 - WUDA112MT-H-4G IE2	77,59	6800	18000	96,0	M162-M167
17,87	1,81	1.604	SK..56C80 - WUDA112MT-H-4G IE2	80,88	9500	27000	127,0	M168-M173
15,57	0,87	1.840	SK..46C90 - WUDA112MT-H-4G IE2	92,82	6400	18000	96,0	M162-M167
16,48	1,67	1.739	SK..56C90 - WUDA112MT-H-4G IE2	87,69	9400	27000	127,0	M168-M173
16,05	2,75	1.785	SK..66C90 - WUDA112MT-H-4G IE2	90,02	16800	40000	193,0	M174-M179
14,28	1,45	2.007	SK..56C100 - WUDA112MT-H-4G IE2	101,22	9200	27000	127,0	M168-M173
14,07	2,41	2.036	SK..66C100 - WUDA112MT-H-4G IE2	102,70	16900	40000	193,0	M174-M179
13,00	1,32	2.204	SK..56C112 - WUDA112MT-H-4G IE2	111,17	9000	27000	127,0	M168-M173
12,98	2,22	2.208	SK..66C112 - WUDA112MT-H-4G IE2	111,35	17000	40000	193,0	M174-M179
10,89	1,10	2.630	SK..56C125 - WUDA112MT-H-4G IE2	132,65	8400	27000	127,0	M168-M173
11,24	1,92	2.548	SK..66C125 - WUDA112MT-H-4G IE2	128,53	17000	40000	193,0	M174-M179
9,72	0,98	2.949	SK..56C140 - WUDA112MT-H-4G IE2	148,73	8000	27000	127,0	M168-M173
10,24	1,75	2.798	SK..66C140 - WUDA112MT-H-4G IE2	141,15	16900	40000	193,0	M174-M179
10,13	2,83	2.829	SK..76C140 - WUDA112MT-H-4G IE2	142,68	21200	65000	286,0	M180-M185
8,58	1,47	3.339	SK..66C160 - WUDA112MT-H-4G IE2	168,44	16700	40000	193,0	M174-M179
9,11	2,54	3.146	SK..76C160 - WUDA112MT-H-4G IE2	158,67	21400	65000	286,0	M180-M185
7,65	1,31	3.744	SK..66C180 - WUDA112MT-H-4G IE2	188,84	16300	40000	193,0	M174-M179
8,35	2,33	3.432	SK..76C36B180 - WUDA112MT-H-4G IE2	173,13	21000	65000	321,0	M180-M185
7,19	2,01	3.984	SK..76C36B200 - WUDA112MT-H-4G IE2	200,97	21000	65000	321,0	M180-M185
6,42	1,79	4.461	SK..76C36B224 - WUDA112MT-H-4G IE2	225,01	21000	65000	321,0	M180-M185
5,61	1,57	5.108	SK..76C36B250 - WUDA112MT-H-4G IE2	257,63	21000	65000	321,0	M180-M185
5,73	2,60	4.998	SK..86C36B250 - WUDA112MT-H-4G IE2	252,12	27000	82500	475,0	M186-M191
5,11	1,43	5.604	SK..76C36B280 - WUDA112MT-H-4G IE2	282,66	21000	65000	321,0	M180-M185
5,12	2,32	5.597	SK..86C36B280 - WUDA112MT-H-4G IE2	282,29	27000	82500	475,0	M186-M191
4,43	1,24	6.473	SK..76C36B315 - WUDA112MT-H-4G IE2	326,48	21000	65000	321,0	M180-M185
4,47	2,03	6.408	SK..86C36B315 - WUDA112MT-H-4G IE2	323,21	27000	82500	475,0	M186-M191



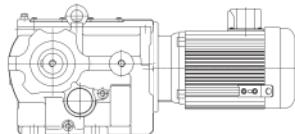
P 3,00 kW n ₁ 1445 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
4,00	1,12	7.155	SK..76C36B355 - WUDA112MT-H-4G IE2	360,90	21000	65000	321,0	M180-M185
4,00	1,12	7.155	SK..76C36B355 - WUDA112MT-H-4G IE2	360,90	21000	65000	321,0	M180-M185
4,07	1,85	7.030	SK..86C36B355 - WUDA112MT-H-4G IE2	354,62	27000	82500	475,0	M186-M191
4,02	2,81	7.119	SK..96C36B355 - WUDA112MT-H-4G IE2	359,10	37500	112000	648,0	M192-M197
3,61	1,01	7.943	SK..76C36B400 - WUDA112MT-H-4G IE2	400,62	21000	65000	321,0	M180-M185
3,53	1,60	8.120	SK..86C36B400 - WUDA112MT-H-4G IE2	409,58	27000	82500	475,0	M186-M191
3,48	2,43	8.223	SK..96C36B400 - WUDA112MT-H-4G IE2	414,76	37500	112000	648,0	M192-M197
3,37	0,94	8.507	SK..76C36B450 - WUDA112MT-H-4G IE2	429,08	21000	65000	321,0	M180-M185
3,19	1,45	8.976	SK..86C36B450 - WUDA112MT-H-4G IE2	452,77	27000	82500	475,0	M186-M191
3,19	1,45	8.976	SK..86C36B450 - WUDA112MT-H-4G IE2	452,77	27000	82500	475,0	M186-M191
3,15	2,20	9.090	SK..96C36B450 - WUDA112MT-H-4G IE2	458,49	37500	112000	648,0	M192-M197
3,15	2,20	9.090	SK..96C36B450 - WUDA112MT-H-4G IE2	458,49	37500	112000	648,0	M192-M197
2,88	1,30	9.964	SK..86C36B500 - WUDA112MT-H-4G IE2	502,60	27000	82500	475,0	M186-M191
2,84	1,98	10.090	SK..96C36B500 - WUDA112MT-H-4G IE2	508,95	37500	112000	648,0	M192-M197
2,68	1,22	10.672	SK..86C36B560 - WUDA112MT-H-4G IE2	538,31	27000	82500	475,0	M186-M191
2,65	1,85	10.807	SK..96C36B560 - WUDA112MT-H-4G IE2	545,11	37500	112000	648,0	M192-M197
2,30	1,04	12.479	SK..86C36B630 - WUDA112MT-H-4G IE2	629,44	27000	82500	475,0	M186-M191
2,27	1,58	12.637	SK..96C36B630 - WUDA112MT-H-4G IE2	637,40	37500	112000	648,0	M192-M197
2,13	0,97	13.441	SK..86C36B710 - WUDA112MT-H-4G IE2	677,99	27000	82500	475,0	M186-M191
2,10	1,47	13.611	SK..96C36B710 - WUDA112MT-H-4G IE2	686,56	37500	112000	648,0	M192-M197
1,88	0,85	15.263	SK..86C36B800 - WUDA112MT-H-4G IE2	769,89	27000	82500	475,0	M186-M191
1,85	1,29	15.456	SK..96C36B800 - WUDA112MT-H-4G IE2	779,62	37500	112000	648,0	M192-M197
1,64	1,14	17.505	SK..96C36B900 - WUDA112MT-H-4G IE2	882,95	37500	112000	648,0	M192-M197
1,50	1,05	19.089	SK..96C36B1000 - WUDA112MT-H-4G IE2	962,83	37500	112000	648,0	M192-M197
1,30	0,91	22.095	SK..96C36B1120 - WUDA112MT-H-4G IE2	1.114,48	37500	112000	648,0	M192-M197

P 4,00 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
186,76	1,88	205	SK..36C8 - WUDA132SR-H-4G IE2	7,82	3700	12900	84,0	M156-M161
190,69	2,70	200	SK..46C8 - WUDA132SR-H-4G IE2	7,66	5200	15400	106,0	M162-M167
167,49	1,80	228	SK..36C9 - WUDA132SR-H-4G IE2	8,72	3700	13300	84,0	M156-M161
164,28	2,49	233	SK..46C9 - WUDA132SR-H-4G IE2	8,89	5400	15900	106,0	M162-M167
141,89	1,62	269	SK..36C10 - WUDA132SR-H-4G IE2	10,29	3800	13500	84,0	M156-M161
146,72	2,34	260	SK..46C10 - WUDA132SR-H-4G IE2	9,95	5500	16500	106,0	M162-M167
126,67	1,49	302	SK..36C11,2 - WUDA132SR-H-4G IE2	11,53	3800	13500	84,0	M156-M161
128,15	2,15	298	SK..46C11,2 - WUDA132SR-H-4G IE2	11,39	5700	17100	106,0	M162-M167
112,72	1,39	339	SK..36C12,5 - WUDA132SR-H-4G IE2	12,95	3800	13500	84,0	M156-M161
116,80	2,05	327	SK..46C12,5 - WUDA132SR-H-4G IE2	12,50	5800	17500	106,0	M162-M167
104,37	1,83	366	SK..36C14 - WUDA132SR-H-4G IE2	13,99	3800	13500	84,0	M156-M161
105,29	2,89	363	SK..46C14 - WUDA132SR-H-4G IE2	13,87	5900	17900	106,0	M162-M167
93,61	1,72	408	SK..36C16 - WUDA132SR-H-4G IE2	15,60	3800	13500	84,0	M156-M161
90,70	2,61	421	SK..46C16 - WUDA132SR-H-4G IE2	16,10	6000	18000	106,0	M162-M167
79,29	1,52	482	SK..36C18 - WUDA132SR-H-4G IE2	18,41	3800	13500	84,0	M156-M161
81,01	2,46	472	SK..46C18 - WUDA132SR-H-4G IE2	18,02	6000	18000	106,0	M162-M167
70,79	1,41	540	SK..36C20 - WUDA132SR-H-4G IE2	20,62	3700	13500	84,0	M156-M161
70,75	2,26	540	SK..46C20 - WUDA132SR-H-4G IE2	20,63	6200	18000	106,0	M162-M167
63,00	1,30	606	SK..36C22,4 - WUDA132SR-H-4G IE2	23,18	3600	13500	84,0	M156-M161
64,49	2,16	592	SK..46C22,4 - WUDA132SR-H-4G IE2	22,64	6200	18000	106,0	M162-M167



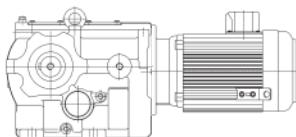
6. SK4

P 4,00 kW n₁ 1460 min⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
59,34	1,24	644	SK..36C25 - WUDA132SR-H-4G IE2	24,61	3500	13500	84,0	M156-M161	
55,83	1,97	684	SK..46C25 - WUDA132SR-H-4G IE2	26,15	6300	18000	106,0	M162-M167	
49,20	1,03	776	SK..36C28 - WUDA132SR-H-4G IE2	29,67	3300	13500	84,0	M156-M161	
50,51	1,86	756	SK..46C28 - WUDA132SR-H-4G IE2	28,91	6300	18000	106,0	M162-M167	
46,08	0,97	829	SK..36C31,5 - WUDA132SR-H-4G IE2	31,68	3200	13500	84,0	M156-M161	
45,50	1,73	839	SK..46C31,5 - WUDA132SR-H-4G IE2	32,09	6300	18000	106,0	M162-M167	
42,48	1,65	899	SK..46C35,5 - WUDA132SR-H-4G IE2	34,37	6300	18000	106,0	M162-M167	
41,37	2,87	923	SK..56C35,5 - WUDA132SR-H-4G IE2	35,29	8300	27000	137,0	M168-M173	
36,33	1,49	1.051	SK..46C40 - WUDA132SR-H-4G IE2	40,19	6200	18000	106,0	M162-M167	
36,73	2,60	1.040	SK..56C40 - WUDA132SR-H-4G IE2	39,75	8300	27000	137,0	M168-M173	
33,73	1,41	1.132	SK..46C45 - WUDA132SR-H-4G IE2	43,29	6100	18000	106,0	M162-M167	
33,11	2,43	1.154	SK..56C45 - WUDA132SR-H-4G IE2	44,10	8300	27000	137,0	M168-M173	
29,70	1,24	1.286	SK..46C50 - WUDA132SR-H-4G IE2	49,15	5900	18000	106,0	M162-M167	
28,90	2,19	1.321	SK..56C50 - WUDA132SR-H-4G IE2	50,51	8300	27000	137,0	M168-M173	
26,23	1,10	1.456	SK..46C56 - WUDA132SR-H-4G IE2	55,67	5700	18000	106,0	M162-M167	
24,62	1,87	1.552	SK..56C56 - WUDA132SR-H-4G IE2	59,31	8100	27000	137,0	M168-M173	
24,05	1,01	1.588	SK..46C63 - WUDA132SR-H-4G IE2	60,70	5500	18000	106,0	M162-M167	
23,00	1,75	1.661	SK..56C63 - WUDA132SR-H-4G IE2	63,47	8000	27000	137,0	M168-M173	
22,76	2,92	1.678	SK..66C63 - WUDA132SR-H-4G IE2	64,14	14600	40000	203,0	M174-M179	
20,78	0,87	1.838	SK..46C71 - WUDA132SR-H-4G IE2	70,26	5100	18000	106,0	M162-M167	
20,59	1,56	1.855	SK..56C71 - WUDA132SR-H-4G IE2	70,89	7800	27000	137,0	M168-M173	
19,39	2,49	1.970	SK..66C71 - WUDA132SR-H-4G IE2	75,31	14700	40000	203,0	M174-M179	
18,05	1,37	2.116	SK..56C80 - WUDA132SR-H-4G IE2	80,88	7500	27000	137,0	M168-M173	
18,12	2,32	2.109	SK..66C80 - WUDA132SR-H-4G IE2	80,59	14700	40000	203,0	M174-M179	
16,65	1,26	2.294	SK..56C90 - WUDA132SR-H-4G IE2	87,69	7300	27000	137,0	M168-M173	
16,22	2,08	2.355	SK..66C90 - WUDA132SR-H-4G IE2	90,02	14700	40000	203,0	M174-M179	
14,42	1,10	2.648	SK..56C100 - WUDA132SR-H-4G IE2	101,22	6700	27000	137,0	M168-M173	
14,22	1,82	2.687	SK..66C100 - WUDA132SR-H-4G IE2	102,70	14500	40000	203,0	M174-M179	
13,13	1,00	2.908	SK..56C112 - WUDA132SR-H-4G IE2	111,17	6200	27000	137,0	M168-M173	
13,11	1,68	2.913	SK..66C112 - WUDA132SR-H-4G IE2	111,35	14400	40000	203,0	M174-M179	
13,47	2,82	2.836	SK..76C112 - WUDA132SR-H-4G IE2	108,41	18600	62100	296,0	M180-M185	
11,36	1,46	3.363	SK..66C125 - WUDA132SR-H-4G IE2	128,53	14000	40000	203,0	M174-M179	
11,41	2,39	3.347	SK..76C125 - WUDA132SR-H-4G IE2	127,92	18600	64300	296,0	M180-M185	
10,34	1,33	3.693	SK..66C140 - WUDA132SR-H-4G IE2	141,15	13700	40000	203,0	M174-M179	
10,23	2,14	3.733	SK..76C140 - WUDA132SR-H-4G IE2	142,68	18600	65000	296,0	M180-M185	
8,67	1,11	4.407	SK..66C160 - WUDA132SR-H-4G IE2	168,44	12800	40000	203,0	M174-M179	
9,20	1,93	4.151	SK..76C160 - WUDA132SR-H-4G IE2	158,67	18400	65000	296,0	M180-M185	
7,73	0,99	4.941	SK..66C180 - WUDA132SR-H-4G IE2	188,84	12000	40000	203,0	M174-M179	
8,43	1,77	4.530	SK..76C36B180 - WUDA132SR-H-4G IE2	173,13	21000	65000	331,0	M180-M185	
8,46	2,88	4.514	SK..86C180 - WUDA132SR-H-4G IE2	172,55	31800	82500	450,0	M186-M191	
7,26	1,52	5.258	SK..76C36B200 - WUDA132SR-H-4G IE2	200,97	21000	65000	331,0	M180-M185	
7,62	2,59	5.013	SK..86C200 - WUDA132SR-H-4G IE2	191,62	32000	82500	450,0	M186-M191	
6,49	1,36	5.887	SK..76C36B224 - WUDA132SR-H-4G IE2	225,01	21000	65000	331,0	M180-M185	
6,72	2,29	5.683	SK..86C36B224 - WUDA132SR-H-4G IE2	217,20	27000	82500	485,0	M186-M191	
5,67	1,19	6.740	SK..76C36B250 - WUDA132SR-H-4G IE2	257,63	21000	65000	331,0	M180-M185	
5,79	1,97	6.596	SK..86C36B250 - WUDA132SR-H-4G IE2	252,12	27000	82500	485,0	M186-M191	
5,72	2,99	6.679	SK..96C36B250 - WUDA132SR-H-4G IE2	255,31	37500	112000	658,0	M192-M197	
5,17	1,08	7.395	SK..76C36B280 - WUDA132SR-H-4G IE2	282,66	21000	65000	331,0	M180-M185	
5,17	1,76	7.385	SK..86C36B280 - WUDA132SR-H-4G IE2	282,29	27000	82500	485,0	M186-M191	
5,11	2,67	7.479	SK..96C36B280 - WUDA132SR-H-4G IE2	285,86	37500	112000	658,0	M192-M197	
4,47	0,94	8.541	SK..76C36B315 - WUDA132SR-H-4G IE2	326,48	21000	65000	331,0	M180-M185	
4,52	1,54	8.456	SK..86C36B315 - WUDA132SR-H-4G IE2	323,21	27000	82500	485,0	M186-M191	
4,46	2,34	8.563	SK..96C36B315 - WUDA132SR-H-4G IE2	327,29	37500	112000	658,0	M192-M197	



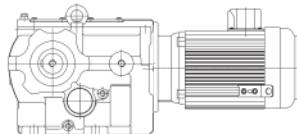
P 4,00 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
4,12	1,40	9.278	SK..86C36B355 - WUDA132SR-H-4G IE2	354,62	27000	82500	485,0	M186-M191
4,07	2,13	9.395	SK..96C36B355 - WUDA132SR-H-4G IE2	359,10	37500	112000	658,0	M192-M197
3,56	1,21	10.716	SK..86C36B400 - WUDA132SR-H-4G IE2	409,58	27000	82500	485,0	M186-M191
3,52	1,84	10.851	SK..96C36B400 - WUDA132SR-H-4G IE2	414,76	37500	112000	658,0	M192-M197
3,22	1,10	11.845	SK..86C36B450 - WUDA132SR-H-4G IE2	452,77	27000	82500	485,0	M186-M191
3,22	1,10	11.845	SK..86C36B450 - WUDA132SR-H-4G IE2	452,77	27000	82500	485,0	M186-M191
3,18	1,67	11.995	SK..96C36B450 - WUDA132SR-H-4G IE2	458,49	37500	112000	658,0	M192-M197
3,18	1,67	11.995	SK..96C36B450 - WUDA132SR-H-4G IE2	458,49	37500	112000	658,0	M192-M197
2,90	0,99	13.149	SK..86C36B500 - WUDA132SR-H-4G IE2	502,60	27000	82500	485,0	M186-M191
2,87	1,50	13.315	SK..96C36B500 - WUDA132SR-H-4G IE2	508,95	37500	112000	658,0	M192-M197
2,71	0,92	14.083	SK..86C36B560 - WUDA132SR-H-4G IE2	538,31	27000	82500	485,0	M186-M191
2,68	1,40	14.261	SK..96C36B560 - WUDA132SR-H-4G IE2	545,11	37500	112000	658,0	M192-M197
2,29	1,20	16.676	SK..96C36B630 - WUDA132SR-H-4G IE2	637,40	37500	112000	658,0	M192-M197
2,13	1,11	17.962	SK..96C36B710 - WUDA132SR-H-4G IE2	686,56	37500	112000	658,0	M192-M197
1,87	0,98	20.397	SK..96C36B800 - WUDA132SR-H-4G IE2	779,62	37500	112000	658,0	M192-M197
1,65	0,87	23.100	SK..96C36B900 - WUDA132SR-H-4G IE2	882,95	37500	112000	658,0	M192-M197

P 5,50 kW n ₁ 1455 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
186,12	1,36	282	SK..36C8 - WUDA132STX-H-4G IE2	7,82	3200	12500	87,0	M156-M161
190,04	1,95	276	SK..46C8 - WUDA132STX-H-4G IE2	7,66	4900	15000	109,0	M162-M167
166,92	1,30	315	SK..36C9 - WUDA132STX-H-4G IE2	8,72	3200	12800	87,0	M156-M161
163,72	1,81	321	SK..46C9 - WUDA132STX-H-4G IE2	8,89	5000	15500	109,0	M162-M167
141,40	1,17	371	SK..36C10 - WUDA132STX-H-4G IE2	10,29	3200	13300	87,0	M156-M161
146,22	1,70	359	SK..46C10 - WUDA132STX-H-4G IE2	9,95	5100	16100	109,0	M162-M167
126,24	1,08	416	SK..36C11,2 - WUDA132STX-H-4G IE2	11,53	3200	13500	87,0	M156-M161
127,71	1,56	411	SK..46C11,2 - WUDA132STX-H-4G IE2	11,39	5200	16600	109,0	M162-M167
112,33	1,01	468	SK..36C12,5 - WUDA132STX-H-4G IE2	12,95	3100	13500	87,0	M156-M161
116,40	1,48	451	SK..46C12,5 - WUDA132STX-H-4G IE2	12,50	5200	17000	109,0	M162-M167
110,03	2,93	477	SK..56C12,5 - WUDA132STX-H-4G IE2	13,22	6700	22500	140,0	M168-M173
104,01	1,33	505	SK..36C14 - WUDA132STX-H-4G IE2	13,99	3200	13500	87,0	M156-M161
104,93	2,10	501	SK..46C14 - WUDA132STX-H-4G IE2	13,87	5300	17400	109,0	M162-M167
93,29	1,24	563	SK..36C16 - WUDA132STX-H-4G IE2	15,60	3000	13500	87,0	M156-M161
90,39	1,89	581	SK..46C16 - WUDA132STX-H-4G IE2	16,10	5300	18000	109,0	M162-M167
79,02	1,10	665	SK..36C18 - WUDA132STX-H-4G IE2	18,41	2800	13500	87,0	M156-M161
80,73	1,78	651	SK..46C18 - WUDA132STX-H-4G IE2	18,02	5300	17900	109,0	M162-M167
70,55	1,02	744	SK..36C20 - WUDA132STX-H-4G IE2	20,62	2600	13500	87,0	M156-M161
70,51	1,64	745	SK..46C20 - WUDA132STX-H-4G IE2	20,63	5300	18000	109,0	M162-M167
62,78	0,94	837	SK..36C22,4 - WUDA132STX-H-4G IE2	23,18	2400	13500	87,0	M156-M161
64,27	1,57	817	SK..46C22,4 - WUDA132STX-H-4G IE2	22,64	5300	18000	109,0	M162-M167
64,57	2,83	813	SK..56C22,4 - WUDA132STX-H-4G IE2	22,53	7100	25600	140,0	M168-M173
59,13	0,90	888	SK..36C25 - WUDA132STX-H-4G IE2	24,61	2300	13500	87,0	M156-M161
55,64	1,43	944	SK..46C25 - WUDA132STX-H-4G IE2	26,15	5200	18000	109,0	M162-M167
57,41	2,62	915	SK..56C25 - WUDA132STX-H-4G IE2	25,35	7100	26300	140,0	M168-M173
50,34	1,35	1.043	SK..46C28 - WUDA132STX-H-4G IE2	28,91	5100	18000	109,0	M162-M167
50,06	2,38	1.049	SK..56C28 - WUDA132STX-H-4G IE2	29,06	7100	27000	140,0	M168-M173
45,34	1,25	1.158	SK..46C31,5 - WUDA132STX-H-4G IE2	32,09	5000	18000	109,0	M162-M167
45,37	2,25	1.158	SK..56C31,5 - WUDA132STX-H-4G IE2	32,07	7000	27000	140,0	M168-M173



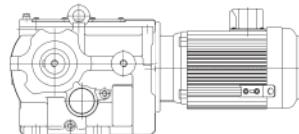
6. SK4

P 5,50 kW	n ₁ 1455 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
		42,34	1,19	1.241	SK..46C35,5 - WUDA132STX-H-4G IE2	34,37	4900	18000	109,0	M162-M167
		41,23	2,08	1.274	SK..56C35,5 - WUDA132STX-H-4G IE2	35,29	7000	27000	140,0	M168-M173
		36,21	1,08	1.451	SK..46C40 - WUDA132STX-H-4G IE2	40,19	4600	18000	109,0	M162-M167
		36,60	1,88	1.435	SK..56C40 - WUDA132STX-H-4G IE2	39,75	6800	27000	140,0	M168-M173
		33,61	1,02	1.562	SK..46C45 - WUDA132STX-H-4G IE2	43,29	4400	18000	109,0	M162-M167
		33,00	1,76	1.592	SK..56C45 - WUDA132STX-H-4G IE2	44,10	6700	27000	140,0	M168-M173
		29,60	0,90	1.774	SK..46C50 - WUDA132STX-H-4G IE2	49,15	4000	18000	109,0	M162-M167
		28,81	1,59	1.823	SK..56C50 - WUDA132STX-H-4G IE2	50,51	6400	27000	140,0	M168-M173
		28,82	2,69	1.822	SK..66C50 - WUDA132STX-H-4G IE2	50,48	12600	40000	206,0	M174-M179
		24,53	1,35	2.141	SK..56C56 - WUDA132STX-H-4G IE2	59,31	6000	27000	140,0	M168-M173
		25,99	2,42	2.021	SK..66C56 - WUDA132STX-H-4G IE2	55,99	12500	40000	206,0	M174-M179
		22,92	1,27	2.291	SK..56C63 - WUDA132STX-H-4G IE2	63,47	5700	27000	140,0	M168-M173
		22,69	2,12	2.315	SK..66C63 - WUDA132STX-H-4G IE2	64,14	12400	40000	206,0	M174-M179
		20,52	1,13	2.559	SK..56C71 - WUDA132STX-H-4G IE2	70,89	5300	27000	140,0	M168-M173
		19,32	1,80	2.718	SK..66C71 - WUDA132STX-H-4G IE2	75,31	12100	40000	206,0	M174-M179
		17,99	0,99	2.920	SK..56C80 - WUDA132STX-H-4G IE2	80,88	4600	27000	140,0	M168-M173
		18,05	1,68	2.909	SK..66C80 - WUDA132STX-H-4G IE2	80,59	12000	40000	206,0	M174-M179
		18,30	2,79	2.871	SK..76C80 - WUDA132STX-H-4G IE2	79,53	15900	55700	299,0	M180-M185
		16,59	0,92	3.165	SK..56C90 - WUDA132STX-H-4G IE2	87,69	4100	27000	140,0	M168-M173
		16,16	1,51	3.249	SK..66C90 - WUDA132STX-H-4G IE2	90,02	11600	40000	206,0	M174-M179
		16,68	2,54	3.149	SK..76C90 - WUDA132STX-H-4G IE2	87,25	15800	56700	299,0	M180-M185
		14,17	1,32	3.707	SK..66C100 - WUDA132STX-H-4G IE2	102,70	11100	40000	206,0	M174-M179
		14,55	2,22	3.611	SK..76C100 - WUDA132STX-H-4G IE2	100,03	15700	58400	299,0	M180-M185
		13,07	1,22	4.019	SK..66C112 - WUDA132STX-H-4G IE2	111,35	10600	40000	206,0	M174-M179
		13,42	2,04	3.913	SK..76C112 - WUDA132STX-H-4G IE2	108,41	15600	59300	299,0	M180-M185
		11,32	1,06	4.639	SK..66C125 - WUDA132STX-H-4G IE2	128,53	9700	40000	206,0	M174-M179
		11,37	1,73	4.617	SK..76C125 - WUDA132STX-H-4G IE2	127,92	15100	61100	299,0	M180-M185
		11,95	2,96	4.394	SK..86C125 - WUDA132STX-H-4G IE2	121,72	27300	82500	453,0	M186-M191
		10,31	0,96	5.095	SK..66C140 - WUDA132STX-H-4G IE2	141,15	8900	40000	206,0	M174-M179
		10,20	1,55	5.150	SK..76C140 - WUDA132STX-H-4G IE2	142,68	14600	62200	299,0	M180-M185
		10,94	2,71	4.801	SK..86C140 - WUDA132STX-H-4G IE2	132,99	27400	82500	453,0	M186-M191
		9,17	1,40	5.728	SK..76C160 - WUDA132STX-H-4G IE2	158,67	14100	63200	299,0	M180-M185
		9,29	2,30	5.655	SK..86C160 - WUDA132STX-H-4G IE2	156,67	27400	82500	453,0	M186-M191
		8,40	1,28	6.250	SK..76C36B180 - WUDA132STX-H-4G IE2	173,13	21000	65000	334,0	M180-M185
		8,43	2,09	6.229	SK..86C180 - WUDA132STX-H-4G IE2	172,55	27300	82500	453,0	M186-M191
		7,24	1,10	7.254	SK..76C36B200 - WUDA132STX-H-4G IE2	200,97	21000	65000	334,0	M180-M185
		7,59	1,88	6.917	SK..86C200 - WUDA132STX-H-4G IE2	191,62	27100	82500	453,0	M186-M191
		7,62	2,90	6.894	SK..96C36B200 - WUDA132STX-H-4G IE2	191,00	37500	112000	661,0	M192-M197
		6,47	0,98	8.122	SK..76C36B224 - WUDA132STX-H-4G IE2	225,01	21000	65000	334,0	M180-M185
		6,70	1,66	7.840	SK..86C36B224 - WUDA132STX-H-4G IE2	217,20	27000	82500	488,0	M186-M191
		6,62	2,52	7.939	SK..96C36B224 - WUDA132STX-H-4G IE2	219,95	37500	112000	661,0	M192-M197
		5,65	0,86	9.300	SK..76C36B250 - WUDA132STX-H-4G IE2	257,63	21000	65000	334,0	M180-M185
		5,77	1,43	9.101	SK..86C36B250 - WUDA132STX-H-4G IE2	252,12	27000	82500	488,0	M186-M191
		5,70	2,17	9.216	SK..96C36B250 - WUDA132STX-H-4G IE2	255,31	37500	112000	661,0	M192-M197
		5,15	1,28	10.190	SK..86C36B280 - WUDA132STX-H-4G IE2	282,29	27000	82500	488,0	M186-M191
		5,09	1,94	10.319	SK..96C36B280 - WUDA132STX-H-4G IE2	285,86	37500	112000	661,0	M192-M197
		4,50	1,11	11.667	SK..86C36B315 - WUDA132STX-H-4G IE2	323,21	27000	82500	488,0	M186-M191
		4,45	1,69	11.814	SK..96C36B315 - WUDA132STX-H-4G IE2	327,29	37500	112000	661,0	M192-M197
		4,10	1,02	12.801	SK..86C36B355 - WUDA132STX-H-4G IE2	354,62	27000	82500	488,0	M186-M191
		4,05	1,54	12.962	SK..96C36B355 - WUDA132STX-H-4G IE2	359,10	37500	112000	661,0	M192-M197
		3,55	0,88	14.785	SK..86C36B400 - WUDA132STX-H-4G IE2	409,58	27000	82500	488,0	M186-M191
		3,51	1,34	14.971	SK..96C36B400 - WUDA132STX-H-4G IE2	414,76	37500	112000	661,0	M192-M197
		3,17	1,21	16.550	SK..96C36B450 - WUDA132STX-H-4G IE2	458,49	37500	112000	661,0	M192-M197



P 5,50 kW n ₁ 1455 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
3,17	1,21	16.550	SK..96C36B450 - WUDA132STX-H-4G IE2	458,49	37500	112000	661,0	M192-M197
2,86	1,09	18.372	SK..96C36B500 - WUDA132STX-H-4G IE2	508,95	37500	112000	661,0	M192-M197
2,67	1,02	19.677	SK..96C36B560 - WUDA132STX-H-4G IE2	545,11	37500	112000	661,0	M192-M197
2,28	0,87	23.008	SK..96C36B630 - WUDA132STX-H-4G IE2	637,40	37500	112000	661,0	M192-M197

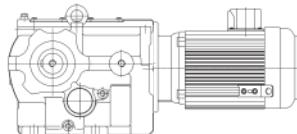
P 7,50 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
186,76	1,00	383	SK..36C8 - WUDA132MVX-H-4G IE2	7,82	2700	12000	96,0	M156-M161
190,69	1,44	376	SK..46C8 - WUDA132MVX-H-4G IE2	7,66	4500	14700	118,0	M162-M167
173,20	2,78	413	SK..56C8 - WUDA132MVX-H-4G IE2	8,43	5700	19600	149,0	M168-M173
167,49	0,96	428	SK..36C9 - WUDA132MVX-H-4G IE2	8,72	2700	12300	96,0	M156-M161
164,28	1,33	436	SK..46C9 - WUDA132MVX-H-4G IE2	8,89	4500	15100	118,0	M162-M167
161,57	2,71	443	SK..56C9 - WUDA132MVX-H-4G IE2	9,04	5800	20000	149,0	M168-M173
141,89	0,86	505	SK..36C10 - WUDA132MVX-H-4G IE2	10,29	2500	12600	96,0	M156-M161
146,72	1,25	488	SK..46C10 - WUDA132MVX-H-4G IE2	9,95	4600	15600	118,0	M162-M167
144,08	2,51	497	SK..56C10 - WUDA132MVX-H-4G IE2	10,13	5900	20500	149,0	M168-M173
128,15	1,15	559	SK..46C11,2 - WUDA132MVX-H-4G IE2	11,39	4600	16000	118,0	M162-M167
125,17	2,27	572	SK..56C11,2 - WUDA132MVX-H-4G IE2	11,66	5900	21300	149,0	M168-M173
116,80	1,09	613	SK..46C12,5 - WUDA132MVX-H-4G IE2	12,50	4600	16300	118,0	M162-M167
110,41	2,16	649	SK..56C12,5 - WUDA132MVX-H-4G IE2	13,22	6000	21900	149,0	M168-M173
104,37	0,98	686	SK..36C14 - WUDA132MVX-H-4G IE2	13,99	2400	12800	96,0	M156-M161
105,29	1,54	680	SK..46C14 - WUDA132MVX-H-4G IE2	13,87	4600	16700	118,0	M162-M167
101,64	2,77	705	SK..56C14 - WUDA132MVX-H-4G IE2	14,36	6000	22300	149,0	M168-M173
93,61	0,91	765	SK..36C16 - WUDA132MVX-H-4G IE2	15,60	2000	13400	96,0	M156-M161
90,70	1,39	790	SK..46C16 - WUDA132MVX-H-4G IE2	16,10	4500	17200	118,0	M162-M167
94,81	2,71	755	SK..56C16 - WUDA132MVX-H-4G IE2	15,40	6100	22700	149,0	M168-M173
81,01	1,31	884	SK..46C18 - WUDA132MVX-H-4G IE2	18,02	4500	17100	118,0	M162-M167
84,55	2,54	847	SK..56C18 - WUDA132MVX-H-4G IE2	17,27	6100	23300	149,0	M168-M173
70,75	1,21	1.012	SK..46C20 - WUDA132MVX-H-4G IE2	20,63	4300	17900	118,0	M162-M167
73,45	2,26	975	SK..56C20 - WUDA132MVX-H-4G IE2	19,88	6000	24000	149,0	M168-M173
64,49	1,15	1.111	SK..46C22,4 - WUDA132MVX-H-4G IE2	22,64	4100	18000	118,0	M162-M167
64,79	2,08	1.105	SK..56C22,4 - WUDA132MVX-H-4G IE2	22,53	6000	24600	149,0	M168-M173
55,83	1,05	1.283	SK..46C25 - WUDA132MVX-H-4G IE2	26,15	3900	18000	118,0	M162-M167
57,60	1,93	1.243	SK..56C25 - WUDA132MVX-H-4G IE2	25,35	5900	25200	149,0	M168-M173
50,51	0,99	1.418	SK..46C28 - WUDA132MVX-H-4G IE2	28,91	3600	18000	118,0	M162-M167
50,23	1,75	1.426	SK..56C28 - WUDA132MVX-H-4G IE2	29,06	5700	25900	149,0	M168-M173
45,50	0,92	1.574	SK..46C31,5 - WUDA132MVX-H-4G IE2	32,09	3300	18000	118,0	M162-M167
45,52	1,65	1.573	SK..56C31,5 - WUDA132MVX-H-4G IE2	32,07	5500	26300	149,0	M168-M173
42,48	0,88	1.686	SK..46C35,5 - WUDA132MVX-H-4G IE2	34,37	3100	18000	118,0	M162-M167
41,37	1,53	1.731	SK..56C35,5 - WUDA132MVX-H-4G IE2	35,29	5300	26700	149,0	M168-M173
39,56	2,71	1.810	SK..66C35,5 - WUDA132MVX-H-4G IE2	36,90	10700	38800	215,0	M174-M179
36,73	1,38	1.950	SK..56C40 - WUDA132MVX-H-4G IE2	39,75	4900	27000	149,0	M168-M173
35,85	2,45	1.998	SK..66C40 - WUDA132MVX-H-4G IE2	40,72	10600	39600	215,0	M174-M179
33,11	1,29	2.163	SK..56C45 - WUDA132MVX-H-4G IE2	44,10	4600	27000	149,0	M168-M173
32,58	2,23	2.198	SK..66C45 - WUDA132MVX-H-4G IE2	44,81	10500	40000	215,0	M174-M179
28,90	1,17	2.478	SK..56C50 - WUDA132MVX-H-4G IE2	50,51	4000	27000	149,0	M168-M173



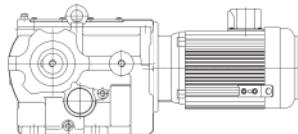
6. SK4

P 7,50 kW n ₁ 1460 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
28,92	1,98	2.476	SK..66C50 - WUDA132MVX-H-4G IE2	50,48	10300	40000	215,0	M174-M179
24,62	1,00	2.910	SK..56C56 - WUDA132MVX-H-4G IE2	59,31	3100	27000	149,0	M168-M173
26,08	1,78	2.747	SK..66C56 - WUDA132MVX-H-4G IE2	55,99	10000	40000	215,0	M174-M179
23,00	0,93	3.114	SK..56C63 - WUDA132MVX-H-4G IE2	63,47	2700	27000	149,0	M168-M173
22,76	1,56	3.146	SK..66C63 - WUDA132MVX-H-4G IE2	64,14	9500	40000	215,0	M174-M179
23,57	2,63	3.038	SK..76C63 - WUDA132MVX-H-4G IE2	61,93	13500	50700	308,0	M180-M185
19,39	1,33	3.694	SK..66C71 - WUDA132MVX-H-4G IE2	75,31	8700	40000	215,0	M174-M179
20,90	2,33	3.427	SK..76C71 - WUDA132MVX-H-4G IE2	69,85	13300	51900	308,0	M180-M185
18,12	1,24	3.954	SK..66C80 - WUDA132MVX-H-4G IE2	80,59	8300	40000	215,0	M174-M179
18,36	2,05	3.901	SK..76C80 - WUDA132MVX-H-4G IE2	79,53	13000	53100	308,0	M180-M185
16,22	1,11	4.416	SK..66C90 - WUDA132MVX-H-4G IE2	90,02	7600	40000	215,0	M174-M179
16,73	1,87	4.280	SK..76C90 - WUDA132MVX-H-4G IE2	87,25	12600	54000	308,0	M180-M185
14,22	0,97	5.038	SK..66C100 - WUDA132MVX-H-4G IE2	102,70	6400	40000	215,0	M174-M179
14,60	1,63	4.907	SK..76C100 - WUDA132MVX-H-4G IE2	100,03	12000	55200	308,0	M180-M185
14,99	2,72	4.779	SK..86C100 - WUDA132MVX-H-4G IE2	97,41	23500	81600	462,0	M186-M191
13,11	0,90	5.462	SK..66C112 - WUDA132MVX-H-4G IE2	111,35	5600	40000	215,0	M174-M179
13,47	1,50	5.318	SK..76C112 - WUDA132MVX-H-4G IE2	108,41	11600	55800	308,0	M180-M185
13,73	2,49	5.216	SK..86C112 - WUDA132MVX-H-4G IE2	106,33	23400	82500	462,0	M186-M191
11,41	1,27	6.275	SK..76C125 - WUDA132MVX-H-4G IE2	127,92	10400	57000	308,0	M180-M185
11,99	2,18	5.971	SK..86C125 - WUDA132MVX-H-4G IE2	121,72	23200	82500	462,0	M186-M191
10,23	1,14	6.999	SK..76C140 - WUDA132MVX-H-4G IE2	142,68	9400	57700	308,0	M180-M185
10,98	1,99	6.524	SK..86C140 - WUDA132MVX-H-4G IE2	132,99	22900	82500	462,0	M186-M191
10,38	2,90	6.898	SK..96C140 - WUDA132MVX-H-4G IE2	140,62	41600	112000	635,0	M192-M197
9,20	1,03	7.784	SK..76C160 - WUDA132MVX-H-4G IE2	158,67	8300	58200	308,0	M180-M185
9,32	1,69	7.685	SK..86C160 - WUDA132MVX-H-4G IE2	156,67	22100	82500	462,0	M186-M191
9,33	2,61	7.676	SK..96C160 - WUDA132MVX-H-4G IE2	156,48	42000	112000	635,0	M192-M197
8,43	0,94	8.493	SK..76C36B180 - WUDA132MVX-H-4G IE2	173,13	21000	65000	343,0	M180-M185
8,46	1,54	8.464	SK..86C180 - WUDA132MVX-H-4G IE2	172,55	21500	82500	462,0	M186-M191
8,37	2,28	8.558	SK..96C36B180 - WUDA132MVX-H-4G IE2	174,46	37500	112000	670,0	M192-M197
7,62	1,38	9.400	SK..86C200 - WUDA132MVX-H-4G IE2	191,62	20600	82500	462,0	M186-M191
7,64	2,13	9.369	SK..96C36B200 - WUDA132MVX-H-4G IE2	191,00	37500	112000	670,0	M192-M197
6,72	1,22	10.655	SK..86C36B224 - WUDA132MVX-H-4G IE2	217,20	27000	82500	497,0	M186-M191
6,64	1,85	10.789	SK..96C36B224 - WUDA132MVX-H-4G IE2	219,95	37500	112000	670,0	M192-M197
5,79	1,05	12.368	SK..86C36B250 - WUDA132MVX-H-4G IE2	252,12	27000	82500	497,0	M186-M191
5,72	1,60	12.524	SK..96C36B250 - WUDA132MVX-H-4G IE2	255,31	37500	112000	670,0	M192-M197
5,17	0,94	13.848	SK..86C36B280 - WUDA132MVX-H-4G IE2	282,29	27000	82500	497,0	M186-M191
5,11	1,43	14.023	SK..96C36B280 - WUDA132MVX-H-4G IE2	285,86	37500	112000	670,0	M192-M197
4,46	1,25	16.055	SK..96C36B315 - WUDA132MVX-H-4G IE2	327,29	37500	112000	670,0	M192-M197
4,07	1,14	17.615	SK..96C36B355 - WUDA132MVX-H-4G IE2	359,10	37500	112000	670,0	M192-M197
3,52	0,98	20.346	SK..96C36B400 - WUDA132MVX-H-4G IE2	414,76	37500	112000	670,0	M192-M197
3,18	0,89	22.491	SK..96C36B450 - WUDA132MVX-H-4G IE2	458,49	37500	112000	670,0	M192-M197
3,18	0,89	22.491	SK..96C36B450 - WUDA132MVX-H-4G IE2	458,49	37500	112000	670,0	M192-M197

P 11,00 kW n ₁ 1465 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
173,80	1,90	604	SK..56C8 - WUDA160MJ-H-4G IE2	8,43	5000	19000	207,0	M168-M173
162,12	1,85	648	SK..56C9 - WUDA160MJ-H-4G IE2	9,04	5000	19300	207,0	M168-M173
144,57	1,72	727	SK..56C10 - WUDA160MJ-H-4G IE2	10,13	5000	19800	207,0	M168-M173

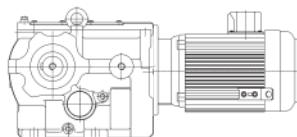


P 11,00 kW n ₁ 1465 min ⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
125,60	1,55	836	SK..56C11,2 - WUDA160MJ-H-4G IE2	11,66	5000	20400	207,0	M168-M173	
110,79	1,48	948	SK..56C12,5 - WUDA160MJ-H-4G IE2	13,22	4900	20900	207,0	M168-M173	
115,87	2,70	907	SK..66C12,5 - WUDA160MJ-H-4G IE2	12,64	8700	29300	273,0	M174-M179	
101,99	1,89	1.030	SK..56C14 - WUDA160MJ-H-4G IE2	14,36	4800	21300	207,0	M168-M173	
102,20	2,38	1.028	SK..66C14 - WUDA160MJ-H-4G IE2	14,33	8800	30200	273,0	M174-M179	
95,13	1,86	1.104	SK..56C16 - WUDA160MJ-H-4G IE2	15,40	4800	21600	207,0	M168-M173	
90,86	2,12	1.156	SK..66C16 - WUDA160MJ-H-4G IE2	16,12	8900	31000	273,0	M174-M179	
84,84	1,74	1.238	SK..56C18 - WUDA160MJ-H-4G IE2	17,27	4600	22000	207,0	M168-M173	
73,70	1,54	1.425	SK..56C20 - WUDA160MJ-H-4G IE2	19,88	4400	22600	207,0	M168-M173	
65,01	1,42	1.616	SK..56C22,4 - WUDA160MJ-H-4G IE2	22,53	4100	23000	207,0	M168-M173	
57,80	1,32	1.817	SK..56C25 - WUDA160MJ-H-4G IE2	25,35	3700	23400	207,0	M168-M173	
58,05	2,67	1.810	SK..66C25 - WUDA160MJ-H-4G IE2	25,24	8700	34000	273,0	M174-M179	
50,41	1,20	2.084	SK..56C28 - WUDA160MJ-H-4G IE2	29,06	3200	23800	207,0	M168-M173	
51,20	2,38	2.052	SK..66C28 - WUDA160MJ-H-4G IE2	28,61	8500	34800	273,0	M174-M179	
45,68	1,13	2.299	SK..56C31,5 - WUDA160MJ-H-4G IE2	32,07	2800	24100	207,0	M168-M173	
45,52	2,12	2.308	SK..66C31,5 - WUDA160MJ-H-4G IE2	32,18	8200	35500	273,0	M174-M179	
41,51	1,05	2.530	SK..56C35,5 - WUDA160MJ-H-4G IE2	35,29	2300	24200	207,0	M168-M173	
39,70	1,85	2.646	SK..66C35,5 - WUDA160MJ-H-4G IE2	36,90	7800	36300	273,0	M174-M179	
36,85	0,95	2.850	SK..56C40 - WUDA160MJ-H-4G IE2	39,75	1600	24400	207,0	M168-M173	
35,98	1,68	2.920	SK..66C40 - WUDA160MJ-H-4G IE2	40,72	7400	36800	273,0	M174-M179	
37,09	2,82	2.832	SK..76C40 - WUDA160MJ-H-4G IE2	39,50	11000	43800	367,0	M180-M185	
33,22	0,89	3.162	SK..56C45 - WUDA160MJ-H-4G IE2	44,10	900	24500	207,0	M168-M173	
32,69	1,53	3.213	SK..66C45 - WUDA160MJ-H-4G IE2	44,81	7000	37200	273,0	M174-M179	
32,58	2,48	3.224	SK..76C45 - WUDA160MJ-H-4G IE2	44,97	10700	44800	367,0	M180-M185	
29,02	1,35	3.619	SK..66C50 - WUDA160MJ-H-4G IE2	50,48	6300	37700	273,0	M174-M179	
30,18	2,30	3.481	SK..76C50 - WUDA160MJ-H-4G IE2	48,55	10500	45500	367,0	M180-M185	
26,16	1,22	4.015	SK..66C56 - WUDA160MJ-H-4G IE2	55,99	5600	38100	273,0	M174-M179	
27,22	2,07	3.858	SK..76C56 - WUDA160MJ-H-4G IE2	53,81	10100	46200	367,0	M180-M185	
22,84	1,07	4.599	SK..66C63 - WUDA160MJ-H-4G IE2	64,14	4500	38400	273,0	M174-M179	
23,65	1,80	4.441	SK..76C63 - WUDA160MJ-H-4G IE2	61,93	9500	47200	367,0	M180-M185	
22,51	2,79	4.666	SK..86C63 - WUDA160MJ-H-4G IE2	65,08	19200	71200	521,0	M186-M191	
19,45	0,91	5.400	SK..66C71 - WUDA160MJ-H-4G IE2	75,31	2800	38600	273,0	M174-M179	
20,97	1,60	5.008	SK..76C71 - WUDA160MJ-H-4G IE2	69,85	8800	48000	367,0	M180-M185	
20,26	2,51	5.185	SK..86C71 - WUDA160MJ-H-4G IE2	72,31	19000	72700	521,0	M186-M191	
18,42	1,40	5.702	SK..76C80 - WUDA160MJ-H-4G IE2	79,53	7900	48700	367,0	M180-M185	
18,97	2,35	5.538	SK..86C80 - WUDA160MJ-H-4G IE2	77,24	18800	73600	521,0	M186-M191	
16,79	1,28	6.256	SK..76C90 - WUDA160MJ-H-4G IE2	87,25	7100	49200	367,0	M180-M185	
17,06	2,11	6.157	SK..86C90 - WUDA160MJ-H-4G IE2	85,87	18400	75100	521,0	M186-M191	
14,65	1,12	7.173	SK..76C100 - WUDA160MJ-H-4G IE2	100,03	5700	49700	367,0	M180-M185	
15,04	1,86	6.985	SK..86C100 - WUDA160MJ-H-4G IE2	97,41	17700	76800	521,0	M186-M191	
14,72	2,80	7.136	SK..96C100 - WUDA160MJ-H-4G IE2	99,53	35000	112000	694,0	M192-M197	
13,51	1,03	7.773	SK..76C112 - WUDA160MJ-H-4G IE2	108,41	4700	49900	367,0	M180-M185	
13,78	1,71	7.624	SK..86C112 - WUDA160MJ-H-4G IE2	106,33	17200	77900	521,0	M186-M191	
13,57	2,58	7.738	SK..96C112 - WUDA160MJ-H-4G IE2	107,92	35100	112000	694,0	M192-M197	
11,45	0,87	9.172	SK..76C125 - WUDA160MJ-H-4G IE2	127,92	2300	50000	367,0	M180-M185	
12,04	1,49	8.727	SK..86C125 - WUDA160MJ-H-4G IE2	121,72	16000	79400	521,0	M186-M191	
11,50	2,19	9.135	SK..96C125 - WUDA160MJ-H-4G IE2	127,41	35200	112000	694,0	M192-M197	
11,02	1,36	9.536	SK..86C140 - WUDA160MJ-H-4G IE2	132,99	15100	80400	521,0	M186-M191	
10,42	1,98	10.083	SK..96C140 - WUDA160MJ-H-4G IE2	140,62	35100	112000	694,0	M192-M197	
9,35	1,16	11.233	SK..86C160 - WUDA160MJ-H-4G IE2	156,67	12900	81800	521,0	M186-M191	
9,36	1,78	11.220	SK..96C160 - WUDA160MJ-H-4G IE2	156,48	34800	112000	694,0	M192-M197	
8,49	1,05	12.372	SK..86C180 - WUDA160MJ-H-4G IE2	172,55	11300	82500	521,0	M186-M191	
7,65	0,95	13.739	SK..86C200 - WUDA160MJ-H-4G IE2	191,62	9300	82500	521,0	M186-M191	



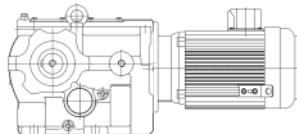
6. SK4

P 15,00 kW	n ₁ 1460 min ⁻¹	n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
173,20	1,39	827	SK..56C8 - WUDA160LR-H-4G IE2	8,43	4200	18300	218,0	M168-M173		
161,57	1,35	887	SK..56C9 - WUDA160LR-H-4G IE2	9,04	4100	18500	218,0	M168-M173		
159,78	2,73	896	SK..66C9 - WUDA160LR-H-4G IE2	9,14	7600	26300	284,0	M174-M179		
144,08	1,26	994	SK..56C10 - WUDA160LR-H-4G IE2	10,13	4000	19000	218,0	M168-M173		
149,04	2,55	961	SK..66C10 - WUDA160LR-H-4G IE2	9,80	7600	26600	284,0	M174-M179		
125,17	1,14	1.144	SK..56C11,2 - WUDA160LR-H-4G IE2	11,66	3900	19400	218,0	M168-M173		
132,91	2,27	1.078	SK..66C11,2 - WUDA160LR-H-4G IE2	10,98	7600	27400	284,0	M174-M179		
110,41	1,08	1.297	SK..56C12,5 - WUDA160LR-H-4G IE2	13,22	3600	19900	218,0	M168-M173		
115,47	1,98	1.240	SK..66C12,5 - WUDA160LR-H-4G IE2	12,64	7600	28300	284,0	M174-M179		
101,64	1,38	1.409	SK..56C14 - WUDA160LR-H-4G IE2	14,36	3500	20100	218,0	M168-M173		
101,85	1,74	1.406	SK..66C14 - WUDA160LR-H-4G IE2	14,33	7500	29000	284,0	M174-M179		
105,75	2,92	1.354	SK..76C14 - WUDA160LR-H-4G IE2	13,81	9500	33600	378,0	M180-M185		
94,81	1,36	1.511	SK..56C16 - WUDA160LR-H-4G IE2	15,40	3300	20300	218,0	M168-M173		
90,55	1,55	1.582	SK..66C16 - WUDA160LR-H-4G IE2	16,12	7400	29700	284,0	M174-M179		
93,18	2,58	1.537	SK..76C16 - WUDA160LR-H-4G IE2	15,67	9600	34600	378,0	M180-M185		
84,55	1,27	1.694	SK..56C18 - WUDA160LR-H-4G IE2	17,27	3000	20600	218,0	M168-M173		
73,45	1,13	1.950	SK..56C20 - WUDA160LR-H-4G IE2	19,88	2500	21000	218,0	M168-M173		
74,67	2,43	1.918	SK..66C20 - WUDA160LR-H-4G IE2	19,55	7200	30500	284,0	M174-M179		
64,79	1,04	2.211	SK..56C22,4 - WUDA160LR-H-4G IE2	22,53	1900	21200	218,0	M168-M173		
66,59	2,21	2.151	SK..66C22,4 - WUDA160LR-H-4G IE2	21,93	6900	31300	284,0	M174-M179		
57,60	0,97	2.487	SK..56C25 - WUDA160LR-H-4G IE2	25,35	1300	21400	218,0	M168-M173		
57,85	1,95	2.476	SK..66C25 - WUDA160LR-H-4G IE2	25,24	6400	32000	284,0	M174-M179		
50,23	0,88	2.851	SK..56C28 - WUDA160LR-H-4G IE2	29,06	500	21500	218,0	M168-M173		
51,03	1,74	2.807	SK..66C28 - WUDA160LR-H-4G IE2	28,61	5900	32500	284,0	M174-M179		
52,40	2,93	2.733	SK..76C28 - WUDA160LR-H-4G IE2	27,86	9200	39000	378,0	M180-M185		
45,37	1,55	3.157	SK..66C31,5 - WUDA160LR-H-4G IE2	32,18	5400	33000	284,0	M174-M179		
46,17	2,58	3.102	SK..76C31,5 - WUDA160LR-H-4G IE2	31,62	8900	39800	378,0	M180-M185		
39,56	1,35	3.621	SK..66C35,5 - WUDA160LR-H-4G IE2	36,90	4500	33400	284,0	M174-M179		
41,08	2,29	3.487	SK..76C35,5 - WUDA160LR-H-4G IE2	35,54	8500	40600	378,0	M180-M185		
35,85	1,23	3.995	SK..66C40 - WUDA160LR-H-4G IE2	40,72	3800	33600	284,0	M174-M179		
36,96	2,06	3.875	SK..76C40 - WUDA160LR-H-4G IE2	39,50	8100	41300	378,0	M180-M185		
32,58	1,11	4.396	SK..66C45 - WUDA160LR-H-4G IE2	44,81	3000	33700	284,0	M174-M179		
32,47	1,81	4.412	SK..76C45 - WUDA160LR-H-4G IE2	44,97	7500	42000	378,0	M180-M185		
32,50	2,95	4.407	SK..86C45 - WUDA160LR-H-4G IE2	44,92	16300	63200	532,0	M186-M191		
28,92	0,99	4.952	SK..66C50 - WUDA160LR-H-4G IE2	50,48	1800	33800	284,0	M174-M179		
30,07	1,68	4.763	SK..76C50 - WUDA160LR-H-4G IE2	48,55	7000	42400	378,0	M180-M185		
29,81	2,71	4.806	SK..86C50 - WUDA160LR-H-4G IE2	48,98	16100	64300	532,0	M186-M191		
26,08	0,89	5.493	SK..66C56 - WUDA160LR-H-4G IE2	55,99	600	33700	284,0	M174-M179		
27,13	1,52	5.279	SK..76C56 - WUDA160LR-H-4G IE2	53,81	6300	42900	378,0	M180-M185		
25,99	2,36	5.511	SK..86C56 - WUDA160LR-H-4G IE2	56,17	15600	65900	532,0	M186-M191		
23,57	1,32	6.076	SK..76C63 - WUDA160LR-H-4G IE2	61,93	5100	43400	378,0	M180-M185		
22,43	2,04	6.385	SK..86C63 - WUDA160LR-H-4G IE2	65,08	14900	67600	532,0	M186-M191		
20,90	1,17	6.853	SK..76C71 - WUDA160LR-H-4G IE2	69,85	3800	43600	378,0	M180-M185		
20,19	1,83	7.094	SK..86C71 - WUDA160LR-H-4G IE2	72,31	14200	68700	532,0	M186-M191		
20,81	2,91	6.882	SK..96C71 - WUDA160LR-H-4G IE2	70,15	30100	101100	705,0	M192-M197		
18,36	1,03	7.803	SK..76C80 - WUDA160LR-H-4G IE2	79,53	2200	43800	378,0	M180-M185		
18,90	1,72	7.578	SK..86C80 - WUDA160LR-H-4G IE2	77,24	13700	69400	532,0	M186-M191		
18,49	2,58	7.745	SK..96C80 - WUDA160LR-H-4G IE2	78,94	30100	103700	705,0	M192-M197		
16,73	0,93	8.560	SK..76C90 - WUDA160LR-H-4G IE2	87,25	800	43800	378,0	M180-M185		
17,00	1,54	8.424	SK..86C90 - WUDA160LR-H-4G IE2	85,87	12700	70400	532,0	M186-M191		
16,03	2,24	8.934	SK..96C90 - WUDA160LR-H-4G IE2	91,06	30000	106800	705,0	M192-M197		
14,99	1,36	9.557	SK..86C100 - WUDA160LR-H-4G IE2	97,41	11200	71400	532,0	M186-M191		
14,67	2,05	9.764	SK..96C100 - WUDA160LR-H-4G IE2	99,53	29800	108800	705,0	M192-M197		



P 15,00 kW n₁ 1460 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
13,73	1,25	10.432	SK..86C112 - WUDA160LR-H-4G IE2	106,33	10100	72000	532,0	M186-M191
13,53	1,89	10.588	SK..96C112 - WUDA160LR-H-4G IE2	107,92	29500	110500	705,0	M192-M197
11,99	1,09	11.942	SK..86C125 - WUDA160LR-H-4G IE2	121,72	7900	72700	532,0	M186-M191
11,46	1,60	12.500	SK..96C125 - WUDA160LR-H-4G IE2	127,41	28500	112000	705,0	M192-M197
10,98	1,00	13.048	SK..86C140 - WUDA160LR-H-4G IE2	132,99	6200	73100	532,0	M186-M191
10,38	1,45	13.796	SK..96C140 - WUDA160LR-H-4G IE2	140,62	27700	112000	705,0	M192-M197
9,33	1,30	15.352	SK..96C160 - WUDA160LR-H-4G IE2	156,48	26600	112000	705,0	M192-M197

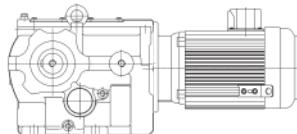
P 18,50 kW n₁ 1470 min⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
174,39	1,14	1.013	SK..56C8 - WUDA180ME-H-4G IE2	8,43	3500	17700	270,0	M168-M173
162,67	1,10	1.086	SK..56C9 - WUDA180ME-H-4G IE2	9,04	3400	17900	270,0	M168-M173
160,87	2,23	1.098	SK..66C9 - WUDA180ME-H-4G IE2	9,14	6800	25700	336,0	M174-M179
145,07	1,03	1.218	SK..56C10 - WUDA180ME-H-4G IE2	10,13	3200	18300	270,0	M168-M173
150,06	2,08	1.177	SK..66C10 - WUDA180ME-H-4G IE2	9,80	6800	26000	336,0	M174-M179
126,03	0,93	1.402	SK..56C11,2 - WUDA180ME-H-4G IE2	11,66	2900	18600	270,0	M168-M173
133,82	1,86	1.320	SK..66C11,2 - WUDA180ME-H-4G IE2	10,98	6700	26700	336,0	M174-M179
132,77	2,98	1.331	SK..76C11,2 - WUDA180ME-H-4G IE2	11,07	8600	31300	431,0	M180-M185
111,17	0,88	1.589	SK..56C12,5 - WUDA180ME-H-4G IE2	13,22	2500	18900	270,0	M168-M173
116,26	1,61	1.520	SK..66C12,5 - WUDA180ME-H-4G IE2	12,64	6600	27400	336,0	M174-M179
117,53	2,63	1.503	SK..76C12,5 - WUDA180ME-H-4G IE2	12,51	8700	32200	431,0	M180-M185
102,33	1,13	1.726	SK..56C14 - WUDA180ME-H-4G IE2	14,36	2300	19100	270,0	M168-M173
102,55	1,42	1.723	SK..66C14 - WUDA180ME-H-4G IE2	14,33	6400	28100	336,0	M174-M179
106,48	2,39	1.659	SK..76C14 - WUDA180ME-H-4G IE2	13,81	8600	32900	431,0	M180-M185
95,46	1,11	1.851	SK..56C16 - WUDA180ME-H-4G IE2	15,40	2000	19300	270,0	M168-M173
91,17	1,26	1.938	SK..66C16 - WUDA180ME-H-4G IE2	16,12	6200	28600	336,0	M174-M179
93,82	2,10	1.883	SK..76C16 - WUDA180ME-H-4G IE2	15,67	8600	33800	431,0	M180-M185
85,13	1,04	2.075	SK..56C18 - WUDA180ME-H-4G IE2	17,27	1500	19400	270,0	M168-M173
73,96	0,92	2.389	SK..56C20 - WUDA180ME-H-4G IE2	19,88	800	19600	270,0	M168-M173
75,18	1,99	2.350	SK..66C20 - WUDA180ME-H-4G IE2	19,55	5700	29300	336,0	M174-M179
67,04	1,81	2.635	SK..66C22,4 - WUDA180ME-H-4G IE2	21,93	5100	29900	336,0	M174-M179
65,79	2,98	2.685	SK..76C22,4 - WUDA180ME-H-4G IE2	22,34	8100	36100	431,0	M180-M185
58,24	1,59	3.033	SK..66C25 - WUDA180ME-H-4G IE2	25,24	4400	30300	336,0	M174-M179
58,24	2,64	3.033	SK..76C25 - WUDA180ME-H-4G IE2	25,24	7800	36900	431,0	M180-M185
51,38	1,42	3.439	SK..66C28 - WUDA180ME-H-4G IE2	28,61	3700	30600	336,0	M174-M179
52,76	2,39	3.348	SK..76C28 - WUDA180ME-H-4G IE2	27,86	7400	37500	431,0	M180-M185
45,68	1,27	3.868	SK..66C31,5 - WUDA180ME-H-4G IE2	32,18	2800	30800	336,0	M174-M179
46,49	2,11	3.800	SK..76C31,5 - WUDA180ME-H-4G IE2	31,62	6900	38200	431,0	M180-M185
39,83	1,10	4.435	SK..66C35,5 - WUDA180ME-H-4G IE2	36,90	1600	30900	336,0	M174-M179
41,36	1,87	4.271	SK..76C35,5 - WUDA180ME-H-4G IE2	35,54	6300	38700	431,0	M180-M185
36,10	1,00	4.894	SK..66C40 - WUDA180ME-H-4G IE2	40,72	600	30900	336,0	M174-M179
37,21	1,69	4.747	SK..76C40 - WUDA180ME-H-4G IE2	39,50	5600	39200	431,0	M180-M185
37,06	2,73	4.767	SK..86C40 - WUDA180ME-H-4G IE2	39,67	14200	59800	585,0	M186-M191
32,69	1,48	5.404	SK..76C45 - WUDA180ME-H-4G IE2	44,97	4600	39600	431,0	M180-M185
32,73	2,41	5.398	SK..86C45 - WUDA180ME-H-4G IE2	44,92	13700	61100	585,0	M186-M191
30,28	1,37	5.834	SK..76C50 - WUDA180ME-H-4G IE2	48,55	3900	39800	431,0	M180-M185
30,01	2,21	5.887	SK..86C50 - WUDA180ME-H-4G IE2	48,98	13200	62000	585,0	M186-M191
27,32	1,24	6.467	SK..76C56 - WUDA180ME-H-4G IE2	53,81	2800	40000	431,0	M180-M185



6. SK4

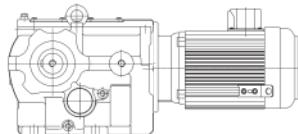
P 18,50 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
26,17	1,93	6.750	SK..86C56 - WUDA180ME-H-4G IE2	56,17	12300	63300	585,0	M186-M191
23,74	1,07	7.443	SK..76C63 - WUDA180ME-H-4G IE2	61,93	1100	40000	431,0	M180-M185
22,59	1,66	7.821	SK..86C63 - WUDA180ME-H-4G IE2	65,08	11000	64500	585,0	M186-M191
23,66	2,68	7.467	SK..96C63 - WUDA180ME-H-4G IE2	62,14	27100	96100	758,0	M192-M197
21,04	0,95	8.395	SK..76C71 - WUDA180ME-H-4G IE2	69,85	0	39900	431,0	M180-M185
20,33	1,50	8.690	SK..86C71 - WUDA180ME-H-4G IE2	72,31	9900	65300	585,0	M186-M191
20,96	2,37	8.430	SK..96C71 - WUDA180ME-H-4G IE2	70,15	26900	98500	758,0	M192-M197
19,03	1,40	9.282	SK..86C80 - WUDA180ME-H-4G IE2	77,24	9100	65700	585,0	M186-M191
18,62	2,11	9.487	SK..96C80 - WUDA180ME-H-4G IE2	78,94	26500	100800	758,0	M192-M197
17,12	1,26	10.319	SK..86C90 - WUDA180ME-H-4G IE2	85,87	7600	66300	585,0	M186-M191
16,14	1,83	10.943	SK..96C90 - WUDA180ME-H-4G IE2	91,06	25800	103500	758,0	M192-M197
15,09	1,11	11.707	SK..86C100 - WUDA180ME-H-4G IE2	97,41	5500	66800	585,0	M186-M191
14,77	1,67	11.961	SK..96C100 - WUDA180ME-H-4G IE2	99,53	25200	105100	758,0	M192-M197
13,82	1,02	12.779	SK..86C112 - WUDA180ME-H-4G IE2	106,33	3800	66900	585,0	M186-M191
13,62	1,54	12.970	SK..96C112 - WUDA180ME-H-4G IE2	107,92	24500	106500	758,0	M192-M197
12,08	0,89	14.628	SK..86C125 - WUDA180ME-H-4G IE2	121,72	700	66900	585,0	M186-M191
11,54	1,31	15.311	SK..96C125 - WUDA180ME-H-4G IE2	127,41	22600	109100	758,0	M192-M197
10,45	1,18	16.900	SK..96C140 - WUDA180ME-H-4G IE2	140,62	21200	110500	758,0	M192-M197
9,39	1,06	18.806	SK..96C160 - WUDA180ME-H-4G IE2	156,48	19400	111900	758,0	M192-M197

P 22,00 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
174,39	0,95	1.205	SK..56C8 - WUDA180LJ-H-4G IE2	8,43	2800	17100	297,0	M168-M173
162,67	0,93	1.291	SK..56C9 - WUDA180LJ-H-4G IE2	9,04	2600	17300	297,0	M168-M173
160,87	1,88	1.306	SK..66C9 - WUDA180LJ-H-4G IE2	9,14	6100	25100	363,0	M174-M179
145,07	0,86	1.448	SK..56C10 - WUDA180LJ-H-4G IE2	10,13	2300	17500	297,0	M168-M173
150,06	1,75	1.400	SK..66C10 - WUDA180LJ-H-4G IE2	9,80	6100	25300	363,0	M174-M179
152,89	2,88	1.374	SK..76C10 - WUDA180LJ-H-4G IE2	9,61	7900	29800	458,0	M180-M185
133,82	1,56	1.570	SK..66C11,2 - WUDA180LJ-H-4G IE2	10,98	5900	26000	363,0	M174-M179
132,77	2,50	1.582	SK..76C11,2 - WUDA180LJ-H-4G IE2	11,07	7900	30700	458,0	M180-M185
116,26	1,36	1.807	SK..66C12,5 - WUDA180LJ-H-4G IE2	12,64	5600	26600	363,0	M174-M179
117,53	2,22	1.787	SK..76C12,5 - WUDA180LJ-H-4G IE2	12,51	7900	31500	458,0	M180-M185
102,33	0,95	2.053	SK..56C14 - WUDA180LJ-H-4G IE2	14,36	1100	18100	297,0	M168-M173
102,55	1,20	2.049	SK..66C14 - WUDA180LJ-H-4G IE2	14,33	5300	27100	363,0	M174-M179
106,48	2,01	1.973	SK..76C14 - WUDA180LJ-H-4G IE2	13,81	7800	32100	458,0	M180-M185
95,46	0,93	2.201	SK..56C16 - WUDA180LJ-H-4G IE2	15,40	700	18200	297,0	M168-M173
91,17	1,06	2.304	SK..66C16 - WUDA180LJ-H-4G IE2	16,12	4900	27500	363,0	M174-M179
93,82	1,77	2.239	SK..76C16 - WUDA180LJ-H-4G IE2	15,67	7600	32900	458,0	M180-M185
91,98	2,79	2.284	SK..86C16 - WUDA180LJ-H-4G IE2	15,98	13700	48300	612,0	M186-M191
85,13	0,87	2.468	SK..56C18 - WUDA180LJ-H-4G IE2	17,27	100	18200	297,0	M168-M173
75,18	1,67	2.794	SK..66C20 - WUDA180LJ-H-4G IE2	19,55	4300	28000	363,0	M174-M179
75,76	2,88	2.773	SK..76C20 - WUDA180LJ-H-4G IE2	19,40	7100	34200	458,0	M180-M185
67,04	1,52	3.134	SK..66C22,4 - WUDA180LJ-H-4G IE2	21,93	3400	28400	363,0	M174-M179
65,79	2,51	3.193	SK..76C22,4 - WUDA180LJ-H-4G IE2	22,34	6700	34900	458,0	M180-M185
58,24	1,34	3.607	SK..66C25 - WUDA180LJ-H-4G IE2	25,24	2400	28600	363,0	M174-M179
58,24	2,22	3.607	SK..76C25 - WUDA180LJ-H-4G IE2	25,24	6200	35500	458,0	M180-M185
51,38	1,19	4.089	SK..66C28 - WUDA180LJ-H-4G IE2	28,61	1400	28700	363,0	M174-M179
52,76	2,01	3.982	SK..76C28 - WUDA180LJ-H-4G IE2	27,86	5700	36000	458,0	M180-M185
45,68	1,07	4.599	SK..66C31,5 - WUDA180LJ-H-4G IE2	32,18	300	28600	363,0	M174-M179



P 22,00 kW n ₁ 1470 min ⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
46,49	1,77	4.519	SK..76C31,5 - WUDA180LJ-H-4G IE2	31,62	4900	36400	458,0	M180-M185	
45,06	2,79	4.663	SK..86C31,5 - WUDA180LJ-H-4G IE2	32,63	12800	56000	612,0	M186-M191	
39,83	0,93	5.274	SK..66C35,5 - WUDA180LJ-H-4G IE2	36,90	0	28400	363,0	M174-M179	
41,36	1,58	5.079	SK..76C35,5 - WUDA180LJ-H-4G IE2	35,54	4000	36800	458,0	M180-M185	
41,73	2,58	5.034	SK..86C35,5 - WUDA180LJ-H-4G IE2	35,23	12500	56800	612,0	M186-M191	
37,21	1,42	5.645	SK..76C40 - WUDA180LJ-H-4G IE2	39,50	3100	37000	458,0	M180-M185	
37,06	2,29	5.669	SK..86C40 - WUDA180LJ-H-4G IE2	39,67	11900	57800	612,0	M186-M191	
32,69	1,24	6.426	SK..76C45 - WUDA180LJ-H-4G IE2	44,97	1700	37200	458,0	M180-M185	
32,73	2,03	6.420	SK..86C45 - WUDA180LJ-H-4G IE2	44,92	11000	58900	612,0	M186-M191	
30,28	1,15	6.938	SK..76C50 - WUDA180LJ-H-4G IE2	48,55	800	37200	458,0	M180-M185	
30,01	1,86	7.000	SK..86C50 - WUDA180LJ-H-4G IE2	48,98	10300	59600	612,0	M186-M191	
29,51	2,81	7.118	SK..96C50 - WUDA180LJ-H-4G IE2	49,81	24800	89700	785,0	M192-M197	
27,32	1,04	7.690	SK..76C56 - WUDA180LJ-H-4G IE2	53,81	0	37100	458,0	M180-M185	
26,17	1,62	8.027	SK..86C56 - WUDA180LJ-H-4G IE2	56,17	9000	60600	612,0	M186-M191	
26,51	2,52	7.926	SK..96C56 - WUDA180LJ-H-4G IE2	55,46	24600	91700	785,0	M192-M197	
23,74	0,90	8.851	SK..76C63 - WUDA180LJ-H-4G IE2	61,93	0	36700	458,0	M180-M185	
22,59	1,40	9.300	SK..86C63 - WUDA180LJ-H-4G IE2	65,08	7200	61400	612,0	M186-M191	
23,66	2,25	8.880	SK..96C63 - WUDA180LJ-H-4G IE2	62,14	24200	93700	785,0	M192-M197	
20,33	1,26	10.334	SK..86C71 - WUDA180LJ-H-4G IE2	72,31	5600	61800	612,0	M186-M191	
20,96	1,99	10.025	SK..96C71 - WUDA180LJ-H-4G IE2	70,15	23700	95800	785,0	M192-M197	
19,03	1,18	11.038	SK..86C80 - WUDA180LJ-H-4G IE2	77,24	4500	62000	612,0	M186-M191	
18,62	1,77	11.282	SK..96C80 - WUDA180LJ-H-4G IE2	78,94	22900	97800	785,0	M192-M197	
17,12	1,06	12.271	SK..86C90 - WUDA180LJ-H-4G IE2	85,87	2500	62200	612,0	M186-M191	
16,14	1,54	13.013	SK..96C90 - WUDA180LJ-H-4G IE2	91,06	21600	100000	785,0	M192-M197	
15,09	0,93	13.922	SK..86C100 - WUDA180LJ-H-4G IE2	97,41	0	62100	612,0	M186-M191	
14,77	1,41	14.224	SK..96C100 - WUDA180LJ-H-4G IE2	99,53	20600	101300	785,0	M192-M197	
13,82	0,86	15.197	SK..86C112 - WUDA180LJ-H-4G IE2	106,33	0	61900	612,0	M186-M191	
13,62	1,30	15.423	SK..96C112 - WUDA180LJ-H-4G IE2	107,92	19500	102400	785,0	M192-M197	
11,54	1,10	18.208	SK..96C125 - WUDA180LJ-H-4G IE2	127,41	16800	104300	785,0	M192-M197	
10,45	1,00	20.097	SK..96C140 - WUDA180LJ-H-4G IE2	140,62	14700	105200	785,0	M192-M197	
9,39	0,89	22.364	SK..96C160 - WUDA180LJ-H-4G IE2	156,48	12200	105900	785,0	M192-M197	

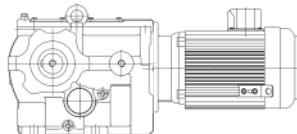
P 30,00 kW n ₁ 1470 min ⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
160,87	1,40	1.745	SK..66C9U - 200-L1-4 IE2	9,14		23700	366,0	M174-M179	
168,63	2,34	1.665	SK..76C9U - 200-L1-4 IE2	8,72		28030	459,0	M180-M185	
150,06	1,31	1.871	SK..66C10U - 200-L1-4 IE2	9,80		23850	366,0	M174-M179	
152,89	2,16	1.836	SK..76C10U - 200-L1-4 IE2	9,61		28570	459,0	M180-M185	
152,17	2,84	1.845	SK..86C10U - 200-L1-4 IE2	9,66		41700	613,0	M186-M191	
133,82	1,17	2.098	SK..66C11,2U - 200-L1-4 IE2	10,98		24290	366,0	M174-M179	
132,77	1,87	2.115	SK..76C11,2U - 200-L1-4 IE2	11,07		29310	459,0	M180-M185	
127,70	2,61	2.199	SK..86C11,2U - 200-L1-4 IE2	11,51		43420	613,0	M186-M191	
116,26	1,01	2.415	SK..66C12,5U - 200-L1-4 IE2	12,64		24640	366,0	M174-M179	
117,53	1,66	2.389	SK..76C12,5U - 200-L1-4 IE2	12,51		29940	459,0	M180-M185	
118,93	2,55	2.361	SK..86C12,5U - 200-L1-4 IE2	12,36		44110	613,0	M186-M191	
102,55	0,89	2.738	SK..66C14U - 200-L1-4 IE2	14,33		24880	366,0	M174-M179	
106,48	1,50	2.637	SK..76C14U - 200-L1-4 IE2	13,81		30410	459,0	M180-M185	
102,88	2,29	2.729	SK..86C14U - 200-L1-4 IE2	14,29		45510	613,0	M186-M191	



6. SK4

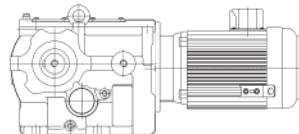
P 30,00 kW n ₁ 1470 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
93,82	1,32	2.993	SK..76C16U - 200-L1-4 IE2	15,67		30960	459,0	M180-M185
91,98	2,09	3.052	SK..86C16U - 200-L1-4 IE2	15,98		46570	613,0	M186-M191
83,56	2,35	3.360	SK..76C18U - 200-L1-4 IE2	17,59		31430	459,0	M180-M185
75,18	1,25	3.734	SK..66C20U - 200-L1-4 IE2	19,55		25120	366,0	M174-M179
75,76	2,16	3.706	SK..76C20U - 200-L1-4 IE2	19,40		31770	459,0	M180-M185
74,54	2,84	3.766	SK..86C20U - 200-L1-4 IE2	19,72		48510	613,0	M186-M191
67,04	1,14	4.188	SK..66C22,4U - 200-L1-4 IE2	21,93		25010	366,0	M174-M179
65,79	1,87	4.267	SK..76C22,4U - 200-L1-4 IE2	22,34		32170	459,0	M180-M185
62,55	2,61	4.488	SK..86C22,4U - 200-L1-4 IE2	23,50		50010	613,0	M186-M191
58,24	1,00	4.820	SK..66C25U - 200-L1-4 IE2	25,24		24710	366,0	M174-M179
58,24	1,66	4.820	SK..76C25U - 200-L1-4 IE2	25,24		32400	459,0	M180-M185
58,26	2,55	4.819	SK..86C25U - 200-L1-4 IE2	25,23		50580	613,0	M186-M191
51,38	0,89	5.465	SK..66C28U - 200-L1-4 IE2	28,61		24260	366,0	M174-M179
52,76	1,50	5.321	SK..76C28U - 200-L1-4 IE2	27,86		32510	459,0	M180-M185
50,39	2,29	5.571	SK..86C28U - 200-L1-4 IE2	29,17		51680	613,0	M186-M191
46,49	1,32	6.039	SK..76C31,5U - 200-L1-4 IE2	31,62		32510	459,0	M180-M185
45,06	2,09	6.231	SK..86C31,5U - 200-L1-4 IE2	32,63		52430	613,0	M186-M191
41,36	1,18	6.788	SK..76C35,5U - 200-L1-4 IE2	35,54		32380	459,0	M180-M185
41,73	1,93	6.728	SK..86C35,5U - 200-L1-4 IE2	35,23		52900	613,0	M186-M191
37,21	1,06	7.544	SK..76C40U - 200-L1-4 IE2	39,50		32110	459,0	M180-M185
37,06	1,72	7.576	SK..86C40U - 200-L1-4 IE2	39,67		53530	613,0	M186-M191
36,59	2,61	7.672	SK..96C40U - 200-L1-4 IE2	40,17		82170	786,0	M192-M197
32,69	0,93	8.588	SK..76C45U - 200-L1-4 IE2	44,97		31570	459,0	M180-M185
32,73	1,52	8.579	SK..86C45U - 200-L1-4 IE2	44,92		54030	613,0	M186-M191
33,16	2,36	8.465	SK..96C45U - 200-L1-4 IE2	44,32		83690	786,0	M192-M197
30,28	0,86	9.272	SK..76C50U - 200-L1-4 IE2	48,55		31140	459,0	M180-M185
30,01	1,39	9.355	SK..86C50U - 200-L1-4 IE2	48,98		54260	613,0	M186-M191
29,51	2,10	9.513	SK..96C50U - 200-L1-4 IE2	49,81		85390	786,0	M192-M197
26,17	1,21	10.727	SK..86C56U - 200-L1-4 IE2	56,17		54460	613,0	M186-M191
26,51	1,89	10.592	SK..96C56U - 200-L1-4 IE2	55,46		86880	786,0	M192-M197
22,59	1,05	12.429	SK..86C63U - 200-L1-4 IE2	65,08		54300	613,0	M186-M191
23,66	1,69	11.867	SK..96C63U - 200-L1-4 IE2	62,14		88370	786,0	M192-M197
20,33	0,94	13.810	SK..86C71U - 200-L1-4 IE2	72,31		53940	613,0	M186-M191
20,96	1,49	13.397	SK..96C71U - 200-L1-4 IE2	70,15		89760	786,0	M192-M197
19,03	0,88	14.751	SK..86C80U - 200-L1-4 IE2	77,24		53580	613,0	M186-M191
18,62	1,33	15.077	SK..96C80U - 200-L1-4 IE2	78,94		90980	786,0	M192-M197
16,14	1,15	17.391	SK..96C90U - 200-L1-4 IE2	91,06		92140	786,0	M192-M197
14,77	1,05	19.008	SK..96C100U - 200-L1-4 IE2	99,53		92670	786,0	M192-M197
13,62	0,97	20.611	SK..96C112U - 200-L1-4 IE2	107,92		93040	786,0	M192-M197

P 37,00 kW n ₁ 1475 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
169,20	1,91	2.046	SK..76C9U - 225-S-4 IE2	8,72		27060	593,0	M180-M185
169,49	2,45	2.043	SK..86C9U - 225-S-4 IE2	8,70		39830	747,0	M186-M191
153,41	1,75	2.257	SK..76C10U - 225-S-4 IE2	9,61		27510	593,0	M180-M185
152,69	2,31	2.268	SK..86C10U - 225-S-4 IE2	9,66		40770	747,0	M186-M191
133,22	1,52	2.599	SK..76C11,2U - 225-S-4 IE2	11,07		28110	593,0	M180-M185
128,13	2,12	2.702	SK..86C11,2U - 225-S-4 IE2	11,51		42280	747,0	M186-M191



P 37,00 kW n ₁ 1475 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
117,93	1,35	2.936	SK..76C12,5U - 225-S-4 IE2	12,51		28570	593,0	M180-M185
119,33	2,07	2.902	SK..86C12,5U - 225-S-4 IE2	12,36		42910	747,0	M186-M191
106,84	1,22	3.241	SK..76C14U - 225-S-4 IE2	13,81		28900	593,0	M180-M185
103,23	1,87	3.354	SK..86C14U - 225-S-4 IE2	14,29		44110	747,0	M186-M191
94,14	1,08	3.678	SK..76C16U - 225-S-4 IE2	15,67		29260	593,0	M180-M185
92,29	1,70	3.752	SK..86C16U - 225-S-4 IE2	15,98		45020	747,0	M186-M191
92,20	2,66	3.756	SK..96C16U - 225-S-4 IE2	16,00		65770	920,0	M192-M197
83,84	1,91	4.130	SK..76C18U - 225-S-4 IE2	17,59		29510	593,0	M180-M185
83,03	2,45	4.170	SK..86C18U - 225-S-4 IE2	17,77		45830	747,0	M186-M191
76,02	1,76	4.555	SK..76C20U - 225-S-4 IE2	19,40		29660	593,0	M180-M185
74,80	2,31	4.629	SK..86C20U - 225-S-4 IE2	19,72		46600	747,0	M186-M191
66,02	1,53	5.245	SK..76C22,4U - 225-S-4 IE2	22,34		29740	593,0	M180-M185
62,77	2,12	5.517	SK..86C22,4U - 225-S-4 IE2	23,50		47740	747,0	M186-M191
58,44	1,35	5.925	SK..76C25U - 225-S-4 IE2	25,24		29660	593,0	M180-M185
58,46	2,08	5.923	SK..86C25U - 225-S-4 IE2	25,23		48160	747,0	M186-M191
52,94	1,22	6.540	SK..76C28U - 225-S-4 IE2	27,86		29500	593,0	M180-M185
50,57	1,86	6.848	SK..86C28U - 225-S-4 IE2	29,17		48870	747,0	M186-M191
46,65	1,08	7.423	SK..76C31,5U - 225-S-4 IE2	31,62		29110	593,0	M180-M185
45,21	1,70	7.659	SK..86C31,5U - 225-S-4 IE2	32,63		49310	747,0	M186-M191
46,29	2,67	7.480	SK..96C31,5U - 225-S-4 IE2	31,86		76010	920,0	M192-M197
41,50	0,96	8.343	SK..76C35,5U - 225-S-4 IE2	35,54		28540	593,0	M180-M185
41,87	1,57	8.270	SK..86C35,5U - 225-S-4 IE2	35,23		49540	747,0	M186-M191
42,28	2,44	8.189	SK..96C35,5U - 225-S-4 IE2	34,88		77240	920,0	M192-M197
37,34	0,86	9.273	SK..76C40U - 225-S-4 IE2	39,50		27860	593,0	M180-M185
37,18	1,40	9.312	SK..86C40U - 225-S-4 IE2	39,67		49740	747,0	M186-M191
36,72	2,12	9.430	SK..96C40U - 225-S-4 IE2	40,17		79100	920,0	M192-M197
32,84	1,23	10.545	SK..86C45U - 225-S-4 IE2	44,92		49750	747,0	M186-M191
33,28	1,92	10.405	SK..96C45U - 225-S-4 IE2	44,32		80270	920,0	M192-M197
30,11	1,13	11.499	SK..86C50U - 225-S-4 IE2	48,98		49600	747,0	M186-M191
29,61	1,71	11.693	SK..96C50U - 225-S-4 IE2	49,81		81560	920,0	M192-M197
26,26	0,99	13.185	SK..86C56U - 225-S-4 IE2	56,17		49090	747,0	M186-M191
26,60	1,54	13.019	SK..96C56U - 225-S-4 IE2	55,46		82630	920,0	M192-M197
22,67	0,85	15.277	SK..86C63U - 225-S-4 IE2	65,08		48120	747,0	M186-M191
23,74	1,37	14.586	SK..96C63U - 225-S-4 IE2	62,14		83620	920,0	M192-M197
21,03	1,21	16.467	SK..96C71U - 225-S-4 IE2	70,15		84440	920,0	M192-M197
18,68	1,08	18.531	SK..96C80U - 225-S-4 IE2	78,94		84960	920,0	M192-M197

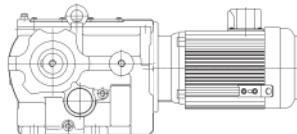
P 45,00 kW n ₁ 1480 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
169,77	1,57	2.481	SK..76C9U - 225-M-4 IE2	8,72		25990	615,0	M180-M185
170,07	2,02	2.476	SK..86C9U - 225-M-4 IE2	8,70		38890	769,0	M186-M191
153,93	1,45	2.736	SK..76C10U - 225-M-4 IE2	9,61		26320	615,0	M180-M185
153,21	1,91	2.749	SK..86C10U - 225-M-4 IE2	9,66		39710	769,0	M186-M191
133,67	1,26	3.150	SK..76C11,2U - 225-M-4 IE2	11,07		26730	615,0	M180-M185
128,57	1,75	3.276	SK..86C11,2U - 225-M-4 IE2	11,51		41050	769,0	M186-M191
118,33	1,11	3.559	SK..76C12,5U - 225-M-4 IE2	12,51		27020	615,0	M180-M185
119,74	1,71	3.517	SK..86C12,5U - 225-M-4 IE2	12,36		41550	769,0	M186-M191
115,00	2,73	3.662	SK..96C12,5U - 225-M-4 IE2	12,87		61360	942,0	M192-M197



6. SK4

P 45,00 kW n ₁ 1480 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
107,20	1,01	3.928	SK..76C14U - 225-M-4 IE2	13,81		27200	615,0	M180-M185
103,58	1,54	4.066	SK..86C14U - 225-M-4 IE2	14,29		42570	769,0	M186-M191
105,55	2,51	3.990	SK..96C14U - 225-M-4 IE2	14,02		62560	942,0	M192-M197
94,46	0,89	4.458	SK..76C16U - 225-M-4 IE2	15,67		27320	615,0	M180-M185
92,60	1,40	4.548	SK..86C16U - 225-M-4 IE2	15,98		43290	769,0	M186-M191
92,51	2,20	4.552	SK..96C16U - 225-M-4 IE2	16,00		64400	942,0	M192-M197
84,13	1,57	5.006	SK..76C18U - 225-M-4 IE2	17,59		27350	615,0	M180-M185
83,31	2,02	5.055	SK..86C18U - 225-M-4 IE2	17,77		43910	769,0	M186-M191
76,28	1,45	5.521	SK..76C20U - 225-M-4 IE2	19,40		27260	615,0	M180-M185
75,05	1,90	5.611	SK..86C20U - 225-M-4 IE2	19,72		44440	769,0	M186-M191
66,24	1,26	6.358	SK..76C22,4U - 225-M-4 IE2	22,34		26980	615,0	M180-M185
62,98	1,75	6.687	SK..86C22,4U - 225-M-4 IE2	23,50		45190	769,0	M186-M191
58,64	1,11	7.182	SK..76C25U - 225-M-4 IE2	25,24		26550	615,0	M180-M185
58,65	1,71	7.180	SK..86C25U - 225-M-4 IE2	25,23		45410	769,0	M186-M191
57,74	2,74	7.293	SK..96C25U - 225-M-4 IE2	25,63		70690	942,0	M192-M197
53,12	1,01	7.928	SK..76C28U - 225-M-4 IE2	27,86		26050	615,0	M180-M185
50,74	1,54	8.300	SK..86C28U - 225-M-4 IE2	29,17		45710	769,0	M186-M191
53,00	2,52	7.946	SK..96C28U - 225-M-4 IE2	27,93		71740	942,0	M192-M197
46,81	0,89	8.997	SK..76C31,5U - 225-M-4 IE2	31,62		25190	615,0	M180-M185
45,36	1,40	9.284	SK..86C31,5U - 225-M-4 IE2	32,63		45760	769,0	M186-M191
46,45	2,21	9.066	SK..96C31,5U - 225-M-4 IE2	31,86		73260	942,0	M192-M197
42,01	1,30	10.024	SK..86C35,5U - 225-M-4 IE2	35,23		45690	769,0	M186-M191
42,43	2,01	9.926	SK..96C35,5U - 225-M-4 IE2	34,88		74240	942,0	M192-M197
37,31	1,15	11.287	SK..86C40U - 225-M-4 IE2	39,67		45430	769,0	M186-M191
36,84	1,75	11.430	SK..96C40U - 225-M-4 IE2	40,17		75630	942,0	M192-M197
32,95	1,02	12.781	SK..86C45U - 225-M-4 IE2	44,92		44860	769,0	M186-M191
33,39	1,59	12.612	SK..96C45U - 225-M-4 IE2	44,32		76440	942,0	M192-M197
30,21	0,93	13.938	SK..86C50U - 225-M-4 IE2	48,98		44280	769,0	M186-M191
29,71	1,41	14.173	SK..96C50U - 225-M-4 IE2	49,81		77290	942,0	M192-M197
26,69	1,27	15.780	SK..96C56U - 225-M-4 IE2	55,46		77880	942,0	M192-M197
23,82	1,13	17.680	SK..96C63U - 225-M-4 IE2	62,14		78260	942,0	M192-M197
21,10	1,00	19.960	SK..96C71U - 225-M-4 IE2	70,15		78390	942,0	M192-M197
18,75	0,89	22.462	SK..96C80U - 225-M-4 IE2	78,94		78150	942,0	M192-M197

P 55,00 kW n ₁ 1480 min ⁻¹								
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
169,77	1,29	3.032	SK..76C9U - 250-M-4 IE2	8,72		24650	788,0	M180-M185
170,07	1,65	3.026	SK..86C9U - 250-M-4 IE2	8,70		37700	942,0	M186-M191
153,93	1,18	3.344	SK..76C10U - 250-M-4 IE2	9,61		24840	788,0	M180-M185
153,21	1,56	3.360	SK..86C10U - 250-M-4 IE2	9,66		38390	942,0	M186-M191
147,81	2,87	3.482	SK..96C10U - 250-M-4 IE2	10,01		56750	1115,0	M192-M197
133,67	1,03	3.850	SK..76C11,2U - 250-M-4 IE2	11,07		25030	788,0	M180-M185
128,57	1,43	4.003	SK..86C11,2U - 250-M-4 IE2	11,51		39470	942,0	M186-M191
130,49	2,54	3.944	SK..96C11,2U - 250-M-4 IE2	11,34		58350	1115,0	M192-M197
118,33	0,91	4.350	SK..76C12,5U - 250-M-4 IE2	12,51		25090	788,0	M180-M185
119,74	1,40	4.299	SK..86C12,5U - 250-M-4 IE2	12,36		39880	942,0	M186-M191
115,00	2,23	4.476	SK..96C12,5U - 250-M-4 IE2	12,87		59970	1115,0	M192-M197
103,58	1,26	4.969	SK..86C14U - 250-M-4 IE2	14,29		40630	942,0	M186-M191



P 55,00 kW

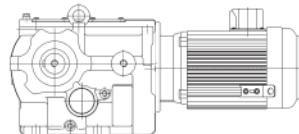
n₁ 1480 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
105,55	2,05	4.877	SK..96C14U - 250-M-4 IE2	14,02		61030	1115,0	M192-M197
92,60	1,15	5.558	SK..86C16U - 250-M-4 IE2	15,98		41110	942,0	M186-M191
92,51	1,80	5.564	SK..96C16U - 250-M-4 IE2	16,00		62670	1115,0	M192-M197
84,13	1,29	6.118	SK..76C18U - 250-M-4 IE2	17,59		24630	788,0	M180-M185
83,31	1,65	6.178	SK..86C18U - 250-M-4 IE2	17,77		41470	942,0	M186-M191
76,28	1,19	6.748	SK..76C20U - 250-M-4 IE2	19,40		24260	788,0	M180-M185
75,05	1,56	6.858	SK..86C20U - 250-M-4 IE2	19,72		41760	942,0	M186-M191
74,22	2,88	6.935	SK..96C20U - 250-M-4 IE2	19,94		65250	1115,0	M192-M197
66,24	1,03	7.770	SK..76C22,4U - 250-M-4 IE2	22,34		23520	788,0	M180-M185
62,98	1,43	8.173	SK..86C22,4U - 250-M-4 IE2	23,50		41980	942,0	M186-M191
65,52	2,55	7.855	SK..96C22,4U - 250-M-4 IE2	22,59		66640	1115,0	M192-M197
58,64	0,91	8.778	SK..76C25U - 250-M-4 IE2	25,24		22650	788,0	M180-M185
58,65	1,40	8.775	SK..86C25U - 250-M-4 IE2	25,23		41980	942,0	M186-M191
57,74	2,24	8.914	SK..96C25U - 250-M-4 IE2	25,63		67920	1115,0	M192-M197
50,74	1,26	10.144	SK..86C28U - 250-M-4 IE2	29,17		41750	942,0	M186-M191
53,00	2,06	9.712	SK..96C28U - 250-M-4 IE2	27,93		68730	1115,0	M192-M197
45,36	1,15	11.347	SK..86C31,5U - 250-M-4 IE2	32,63		41330	942,0	M186-M191
46,45	1,80	11.081	SK..96C31,5U - 250-M-4 IE2	31,86		69820	1115,0	M192-M197
42,01	1,06	12.251	SK..86C35,5U - 250-M-4 IE2	35,23		40920	942,0	M186-M191
42,43	1,65	12.131	SK..96C35,5U - 250-M-4 IE2	34,88		70490	1115,0	M192-M197
37,31	0,94	13.796	SK..86C40U - 250-M-4 IE2	39,67		40030	942,0	M186-M191
36,84	1,43	13.970	SK..96C40U - 250-M-4 IE2	40,17		71280	1115,0	M192-M197
33,39	1,30	15.415	SK..96C45U - 250-M-4 IE2	44,32		71660	1115,0	M192-M197
29,71	1,15	17.322	SK..96C50U - 250-M-4 IE2	49,81		71900	1115,0	M192-M197
26,69	1,04	19.287	SK..96C56U - 250-M-4 IE2	55,46		71880	1115,0	M192-M197
23,82	0,93	21.609	SK..96C63U - 250-M-4 IE2	62,14		71560	1115,0	M192-M197

P 75,00 kW

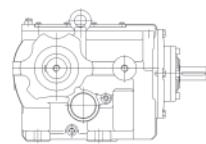
n₁ 1485 min⁻¹

n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg	
170,64	1,22	4.113	SK..86C9U - 280-S-4 IE2	8,70		35320	1053,0	M186-M191
167,85	2,32	4.181	SK..96C9U - 280-S-4 IE2	8,85		53230	1226,0	M192-M197
153,73	1,15	4.566	SK..86C10U - 280-S-4 IE2	9,66		35760	1053,0	M186-M191
148,31	2,11	4.733	SK..96C10U - 280-S-4 IE2	10,01		54550	1226,0	M192-M197
129,00	1,05	5.441	SK..86C11,2U - 280-S-4 IE2	11,51		36340	1053,0	M186-M191
130,93	1,87	5.360	SK..96C11,2U - 280-S-4 IE2	11,34		55870	1226,0	M192-M197
120,14	1,03	5.842	SK..86C12,5U - 280-S-4 IE2	12,36		36510	1053,0	M186-M191
115,39	1,64	6.083	SK..96C12,5U - 280-S-4 IE2	12,87		57160	1226,0	M192-M197
103,93	0,93	6.754	SK..86C14U - 280-S-4 IE2	14,29		36720	1053,0	M186-M191
105,90	1,51	6.627	SK..96C14U - 280-S-4 IE2	14,02		57990	1226,0	M192-M197
92,82	1,32	7.561	SK..96C16U - 280-S-4 IE2	16,00		59200	1226,0	M192-M197
83,59	1,22	8.397	SK..86C18U - 280-S-4 IE2	17,77		36660	1053,0	M186-M191
84,28	2,32	8.328	SK..96C18U - 280-S-4 IE2	17,62		59990	1226,0	M192-M197
75,30	1,15	9.321	SK..86C20U - 280-S-4 IE2	19,72		36420	1053,0	M186-M191
74,47	2,12	9.425	SK..96C20U - 280-S-4 IE2	19,94		60930	1226,0	M192-M197
63,19	1,05	11.107	SK..86C22,4U - 280-S-4 IE2	23,50		35630	1053,0	M186-M191
65,74	1,87	10.676	SK..96C22,4U - 280-S-4 IE2	22,59		61730	1226,0	M192-M197
58,85	1,03	11.926	SK..86C25U - 280-S-4 IE2	25,23		35140	1053,0	M186-M191
57,94	1,65	12.114	SK..96C25U - 280-S-4 IE2	25,63		62370	1226,0	M192-M197



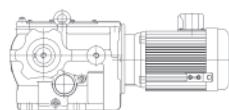
6. SK4

P 75,00 kW n ₁ 1485 min ⁻¹									
n _{2ex} min ⁻¹	SF	T _{2m} Nm	Type	i _{ex}	F _{rN} N	F _{rN-G} N	m kg		
50,91	0,93	13.787	SK..86C28U - 280-S-4 IE2	29,17		33850	1053,0	M186-M191	
53,18	1,52	13.199	SK..96C28U - 280-S-4 IE2	27,93		62680	1226,0	M192-M197	
46,61	1,33	15.059	SK..96C31,5U - 280-S-4 IE2	31,86		62950	1226,0	M192-M197	
42,57	1,21	16.487	SK..96C35,5U - 280-S-4 IE2	34,88		62960	1226,0	M192-M197	
36,97	1,05	18.986	SK..96C40U - 280-S-4 IE2	40,17		62630	1226,0	M192-M197	
33,50	0,95	20.949	SK..96C45U - 280-S-4 IE2	44,32		62140	1226,0	M192-M197	
167,85	1,93	5.018	SK..96C9U - 280-M-4 IE2	8,85		51790	1261,0	M192-M197	
148,31	1,76	5.679	SK..96C10U - 280-M-4 IE2	10,01		52950	1261,0	M192-M197	
130,93	1,55	6.433	SK..96C11,2U - 280-M-4 IE2	11,34		54040	1261,0	M192-M197	
115,39	1,37	7.299	SK..96C12,5U - 280-M-4 IE2	12,87		55080	1261,0	M192-M197	
105,90	1,26	7.953	SK..96C14U - 280-M-4 IE2	14,02		55720	1261,0	M192-M197	
92,82	1,10	9.074	SK..96C16U - 280-M-4 IE2	16,00		56600	1261,0	M192-M197	
84,28	1,93	9.993	SK..96C18U - 280-M-4 IE2	17,62		57150	1261,0	M192-M197	
74,47	1,77	11.310	SK..96C20U - 280-M-4 IE2	19,94		57720	1261,0	M192-M197	
65,74	1,56	12.811	SK..96C22,4U - 280-M-4 IE2	22,59		58090	1261,0	M192-M197	
57,94	1,38	14.537	SK..96C25U - 280-M-4 IE2	25,63		58240	1261,0	M192-M197	
53,18	1,26	15.839	SK..96C28U - 280-M-4 IE2	27,93		58180	1261,0	M192-M197	
46,61	1,11	18.071	SK..96C31,5U - 280-M-4 IE2	31,86		57810	1261,0	M192-M197	
42,57	1,01	19.785	SK..96C35,5U - 280-M-4 IE2	34,88		57340	1261,0	M192-M197	
36,97	0,88	22.783	SK..96C40U - 280-M-4 IE2	40,17		56150	1261,0	M192-M197	



6. SK4

Notizen / Notice / Notes:

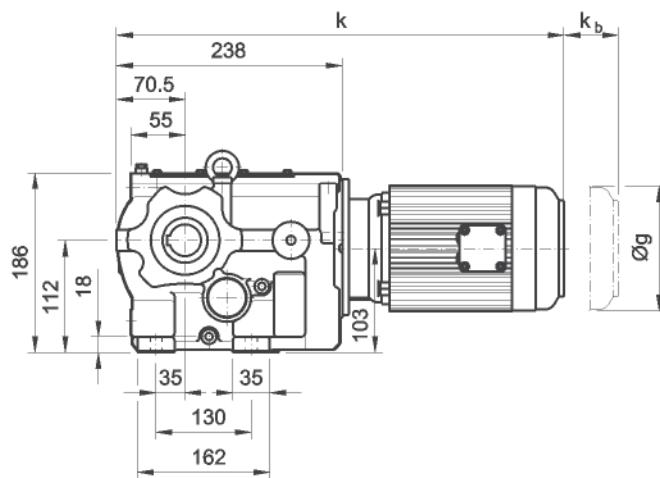


6. SK4

6.5 Maßbilder Getriebemotoren Dimensional drawings of geared motors Schémas dimensionnels des motoréducteurs

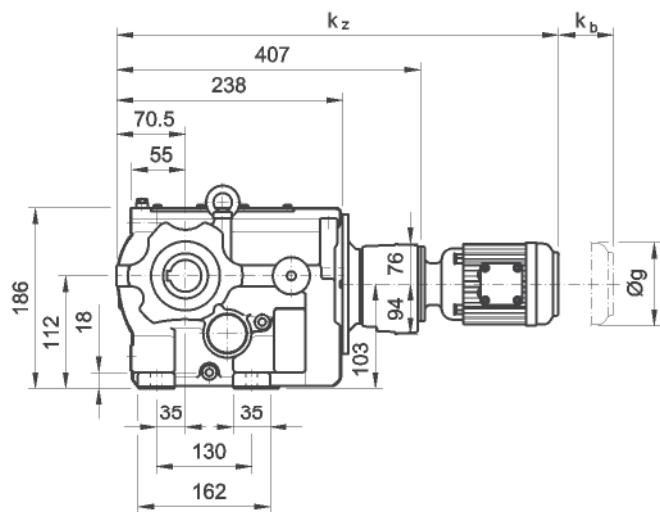
SKZ..26C

63 - 112

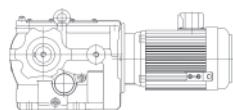


SKZ..26C16B/C

63 - 112

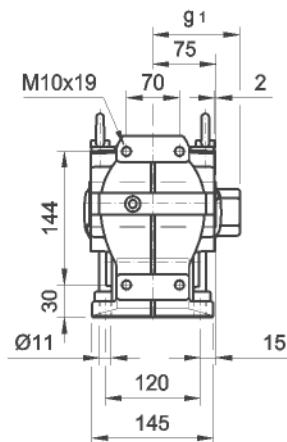


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	537	585	646	646	652													
ku																		
kz	661	709	770	770	776													
kc																		
kb	56	89	101	101	90													
øg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		

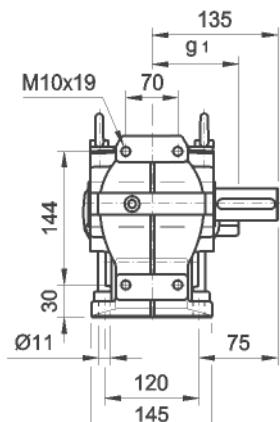


6. SK4

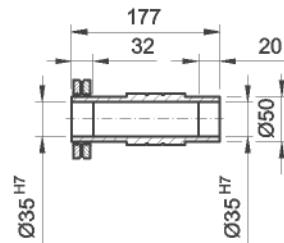
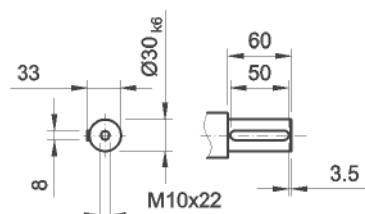
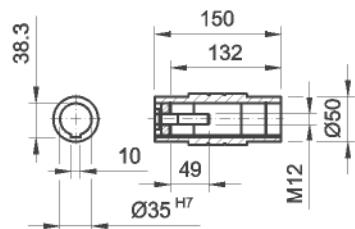
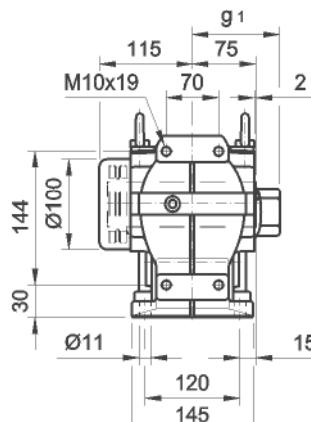
SKZH26..



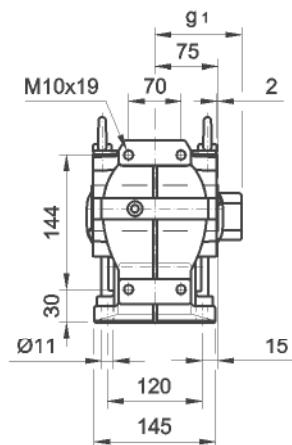
SKZN26..



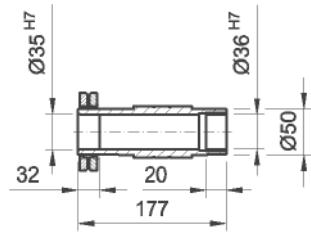
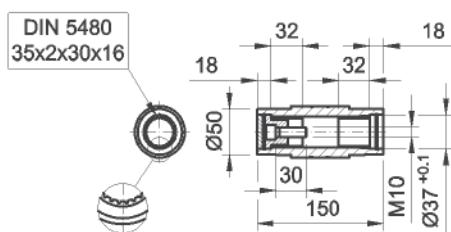
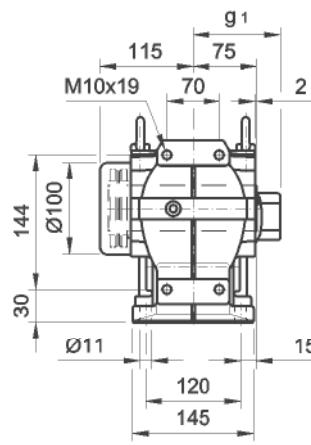
SKZS26..

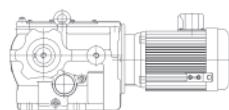


SKZT26..



SKZC26..

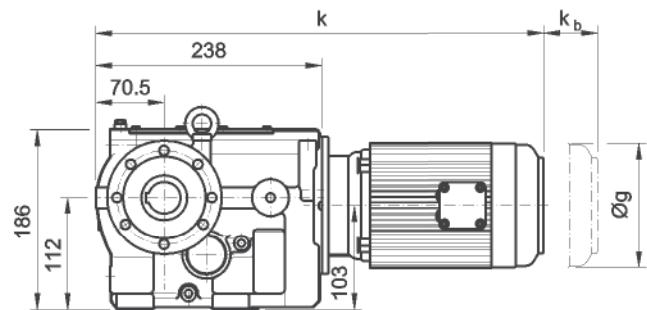




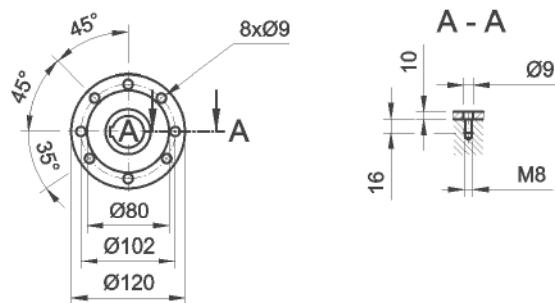
6. SK4

SKT..26C

63 - 112

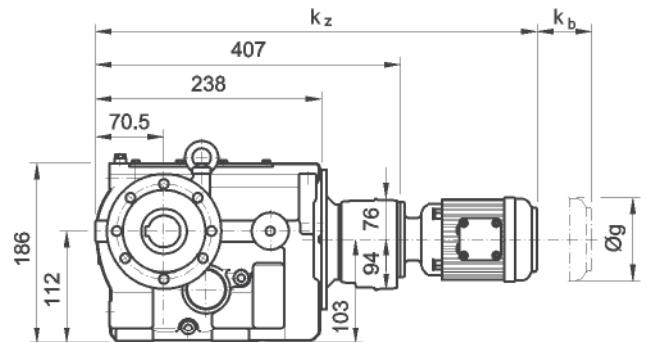


SKT..26..

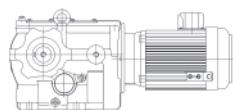


SKT..26C16B/C

63 - 112

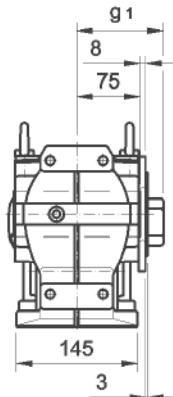


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	537	585	646	646	652													
k _u																		
k _z	661	709	770	770	776													
k _c																		
k _b	56	89	101	101	90													
øg	139	156	174	174	196													
g1	102	125	133	133	144													
øam																		

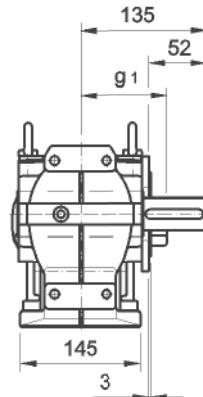


6. SK4

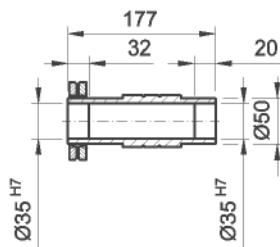
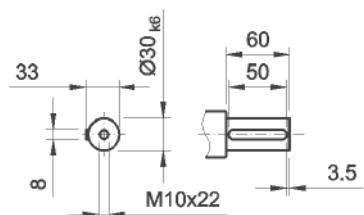
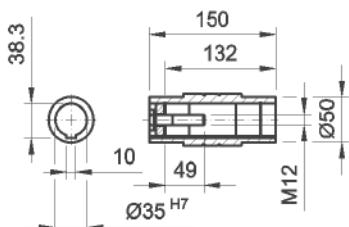
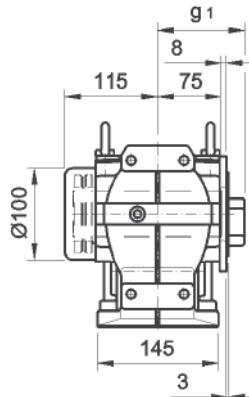
SKTH26..



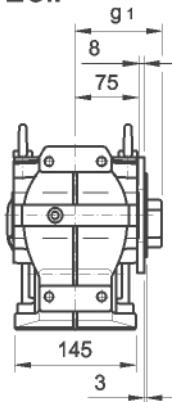
SKTN26..



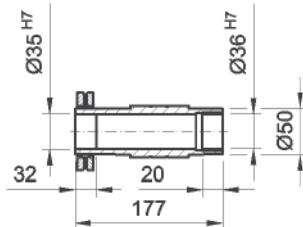
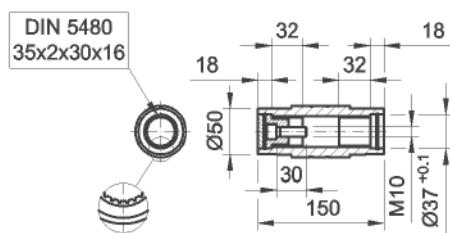
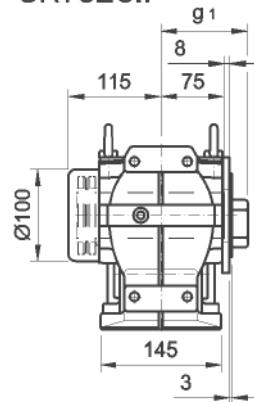
SKTS26..

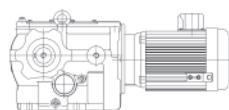


SKTT26..



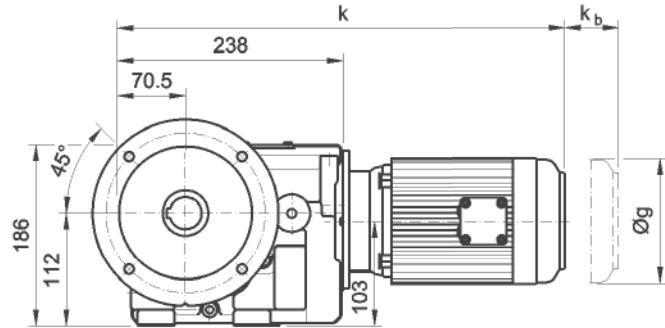
SKTC26..



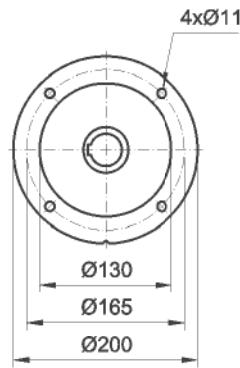


6. SK4

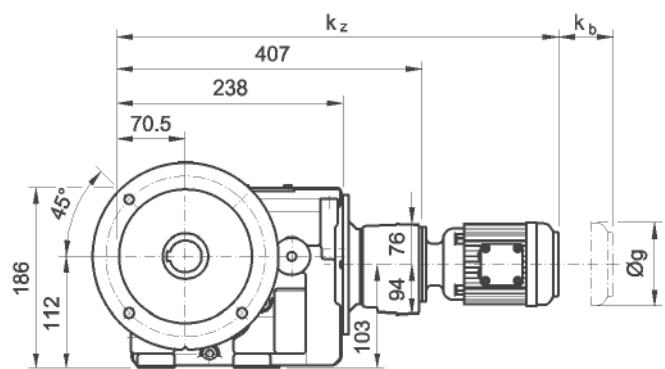
SKF..26U
63 - 112



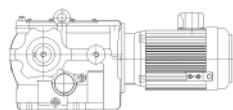
SKF..26..



SKF..26C16B/C
63 - 112

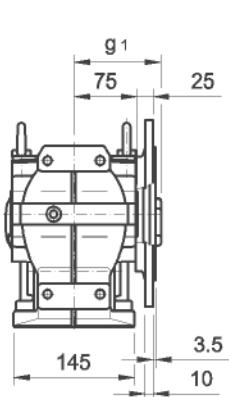


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	537	585	646	646	652													
ku																		
kz	661	709	770	770	776													
kc																		
kb	56	89	101	101	90													
øg	139	156	174	174	196													
q1	102	125	133	133	144													
øam																		

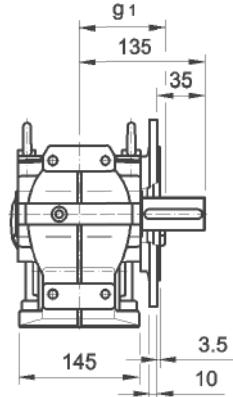


6. SK4

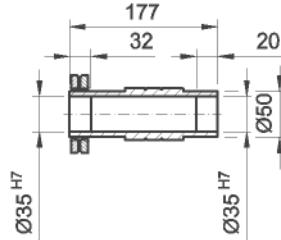
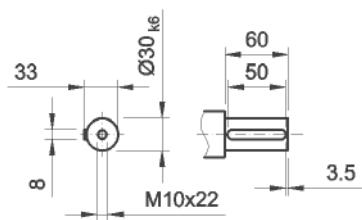
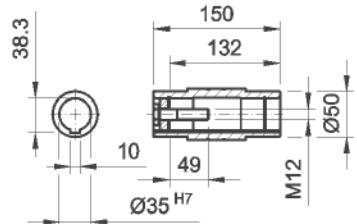
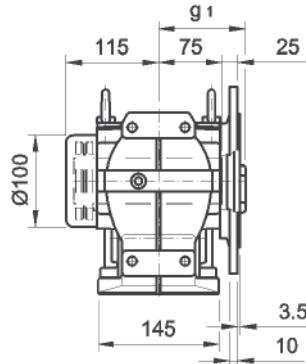
SKFH26..



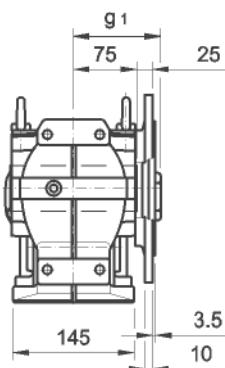
SKFN26..



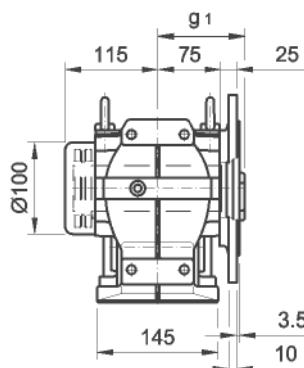
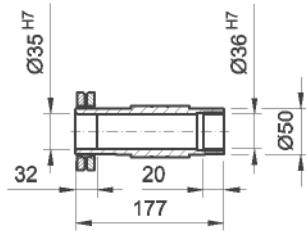
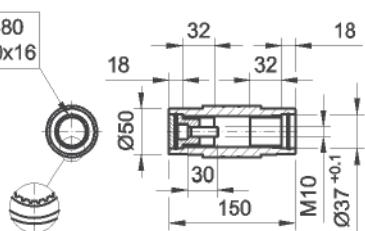
SKFS26..

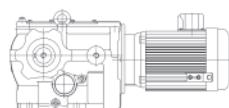


SKFT26..



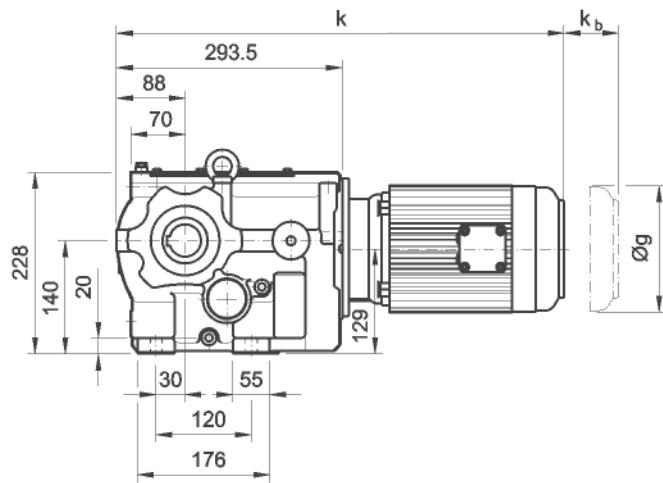
SKFC26..

DIN 5480
35x2x30x16

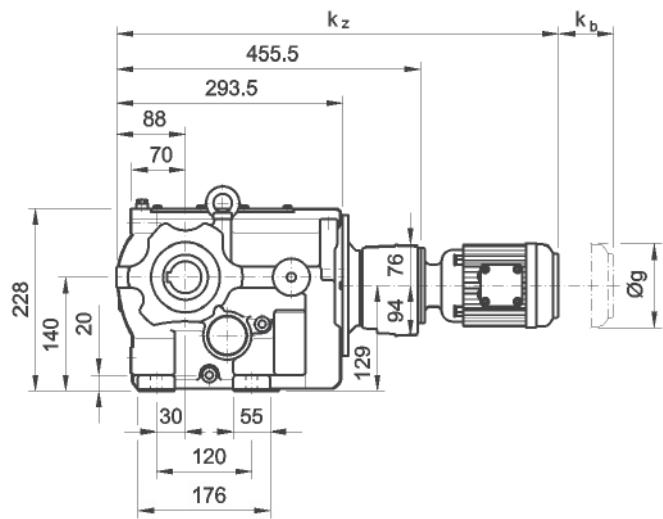


6. SK4

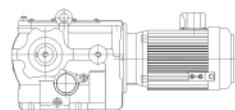
SKZ..300
63 - 160



SKZ..36C16B/C
63 - 112

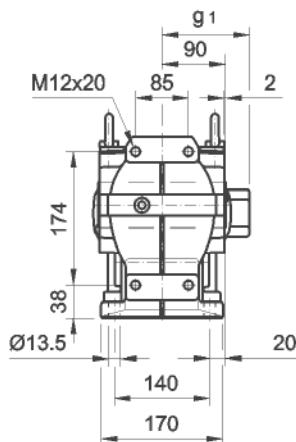


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		587	648	648	654	681	767	767										
ku																		
kz	710	758	819	819	825													
kc																		
kb	56	89	101	101	90	89	109	128										
øg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		

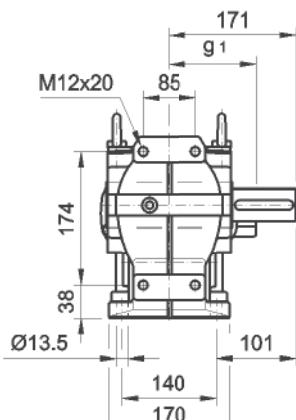


6. SK4

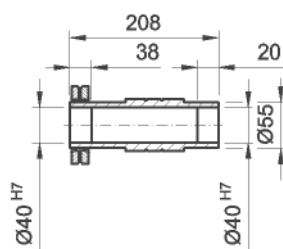
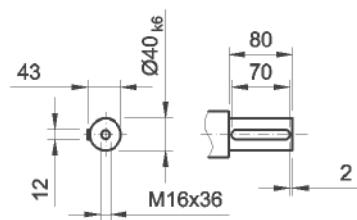
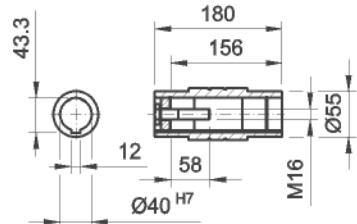
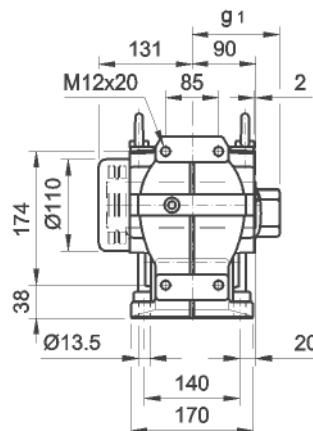
SKZH36..



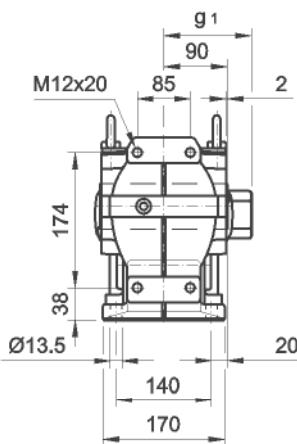
SKZN36..



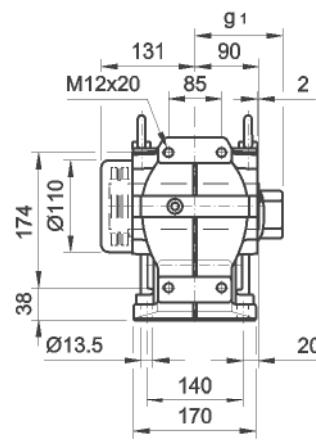
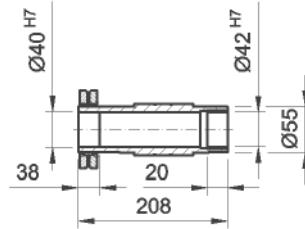
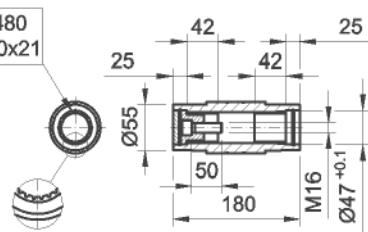
SKZS36..

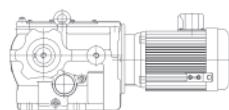


SKZT36..



SKZC36..

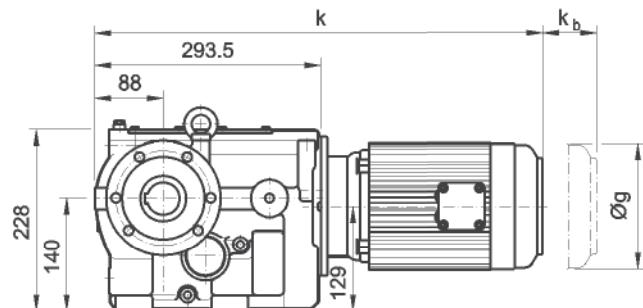
DIN 5480
45x2x30x21



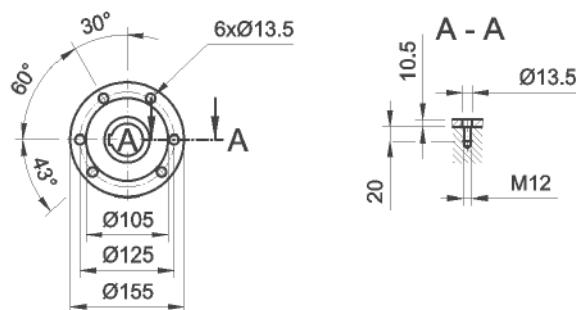
6. SK4

SKT..300

63 - 160

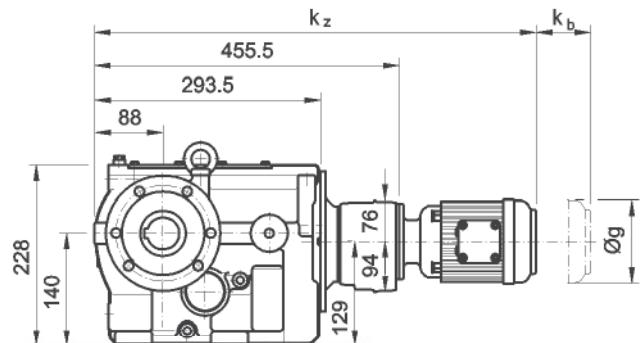


SKT..36..

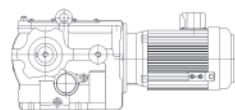


SKT..36C16B/C

63 - 112

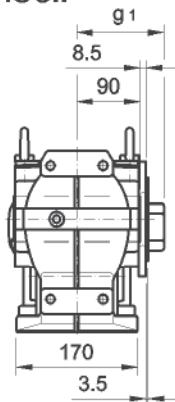


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		587	648	648	654	681	767	767										
ku																		
kz	710	758	819	819	825													
kc																		
kb	56	89	101	101	90	89	109	128										
øg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		

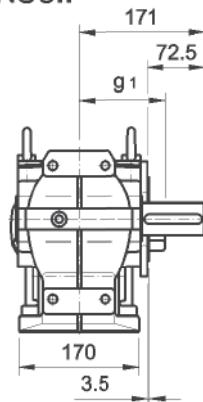


6. SK4

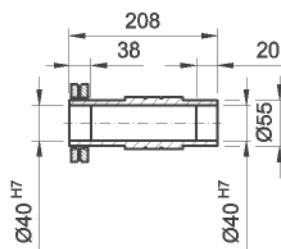
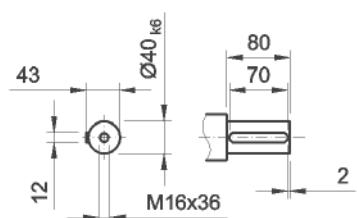
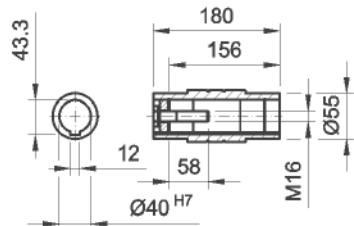
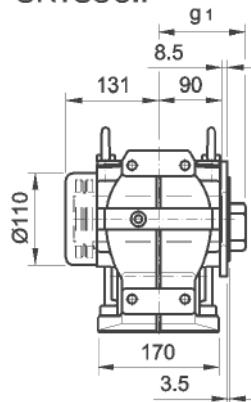
SKTH36..



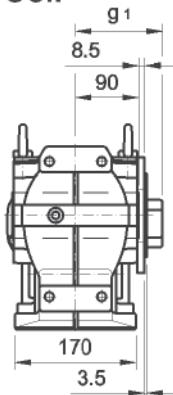
SKTN36..



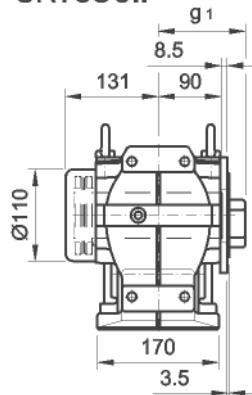
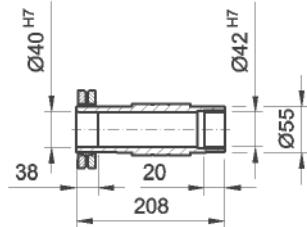
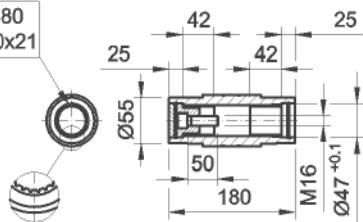
SKTS36..

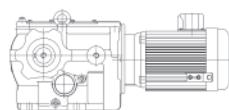


SKTT36..



SKTC36..

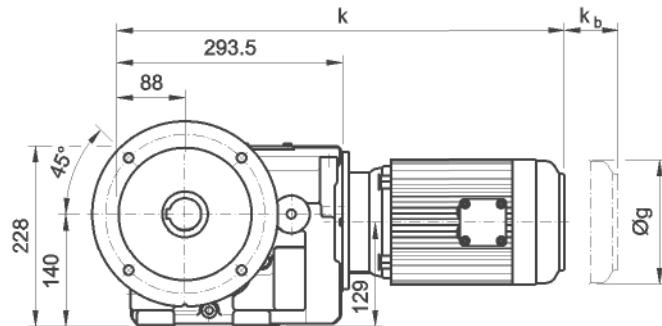
DIN 5480
45x2x30x21



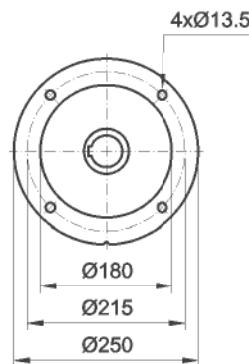
6. SK4

SKF..36C

63 - 160

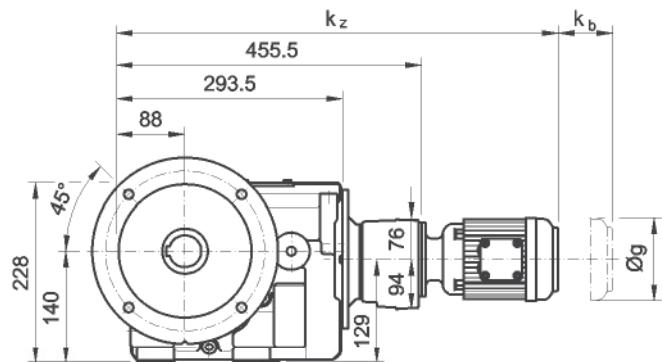


SKF..36..

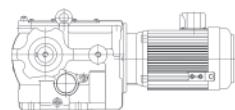


SKF..36C16B/C

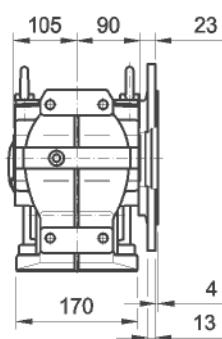
63 - 112



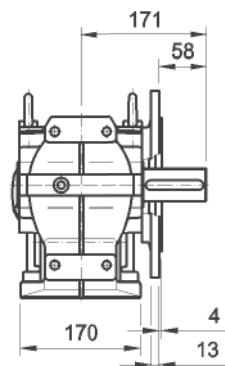
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		587	648	648	654	681	767	767										
ku																		
k_z	710	758	819	819	825													
k_c																		
kb	56	89	101	101	90	89	109	128										
$\varnothing g$	139	156	174	174	196	213	255	255										
g_1	102	125	133	133	144	165	182	182										
$\varnothing am$																		



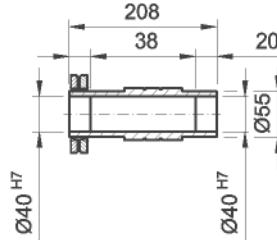
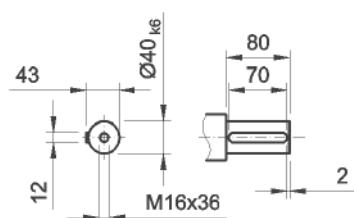
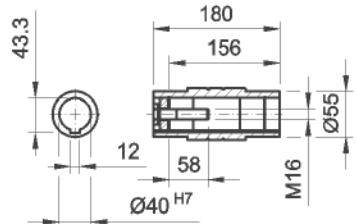
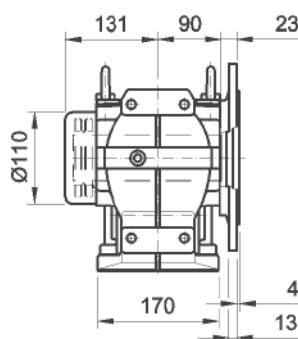
SKFH36C..



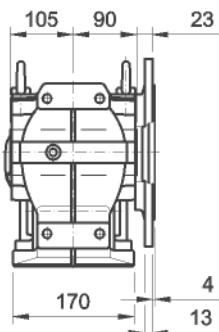
SKFN36C..



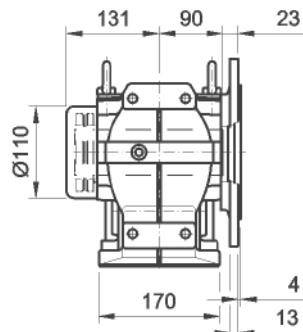
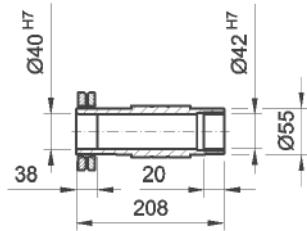
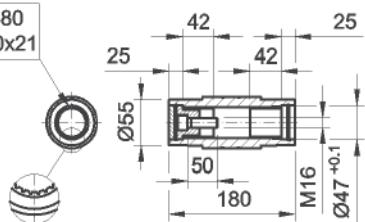
SKFS36C..

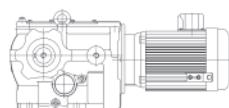


SKFT36C..



SKFC36C..

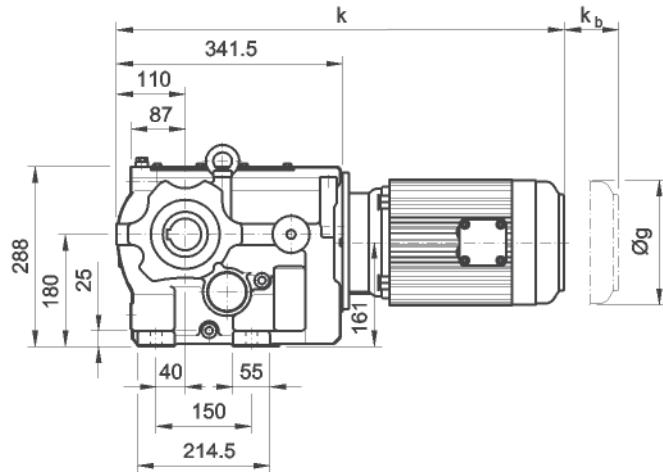
DIN 5480
45x2x30x21



6. SK4

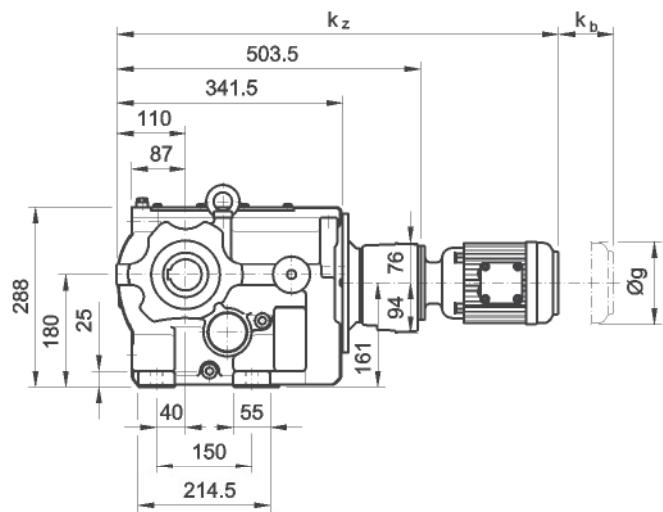
SKZ..46C

71 - 160

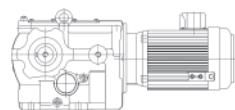
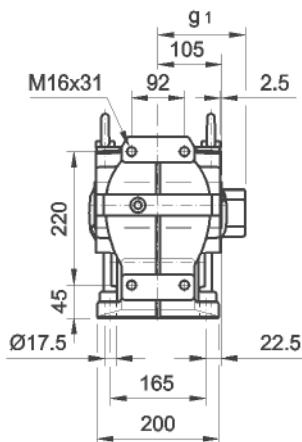
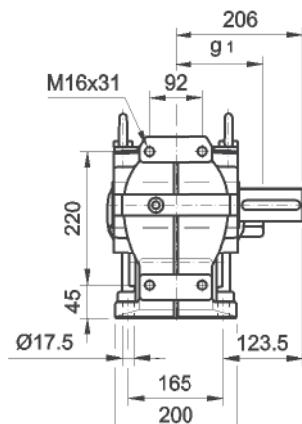
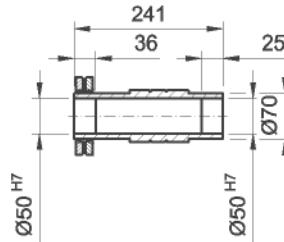
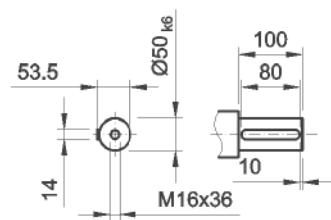
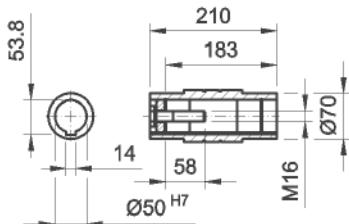
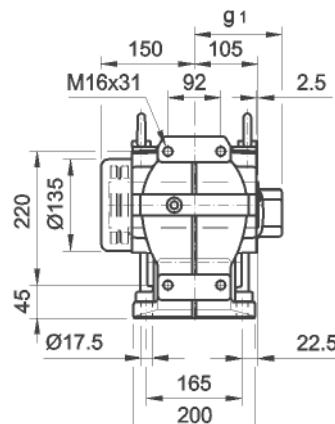
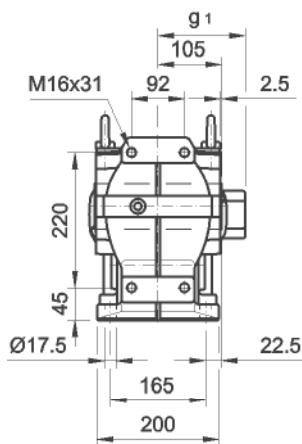
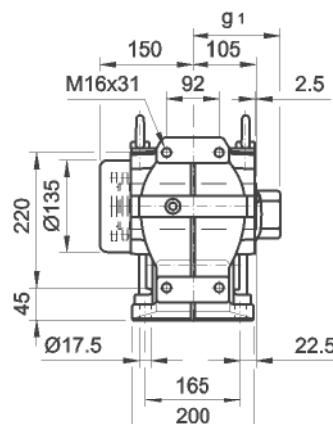
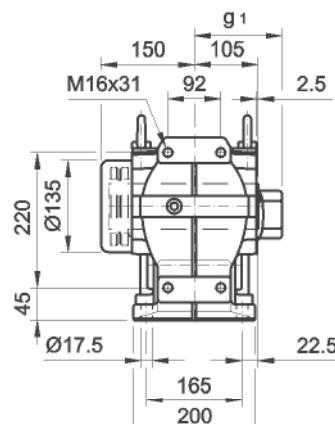
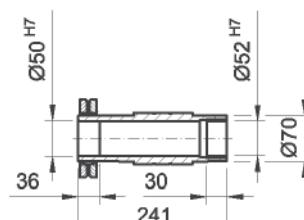
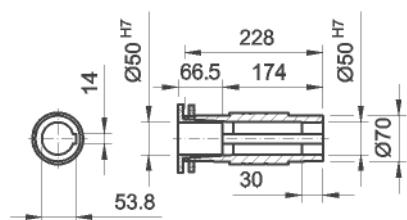
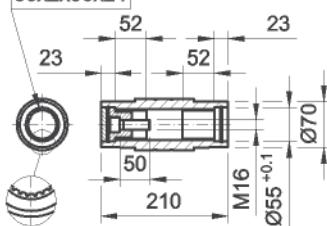


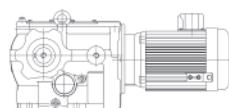
SKZ..46C16B/C

63 - 112



	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		635	696	696	702	729	815	815										
k _u																		
k _z	758	806	867	867	873													
k _c																		
k _b	56	89	101	101	90	89	109	128										
øg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		

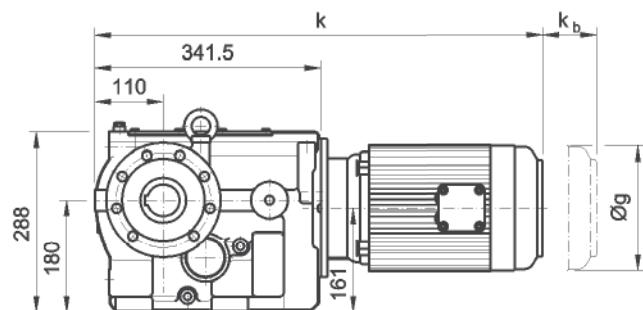
**SKZH46..****SKZN46..****SKZS46..****SKZT46..****SKZB46..****SKZC46..**DIN 5480
50x2x30x24



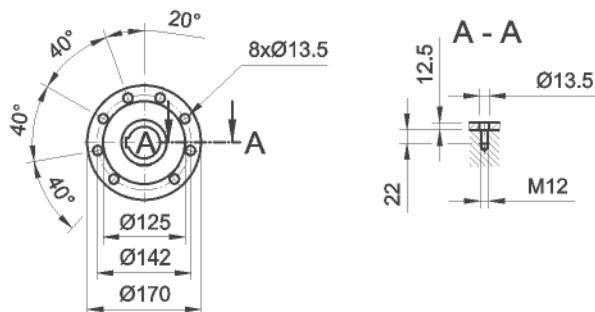
6. SK4

SK1..46C

71 - 160

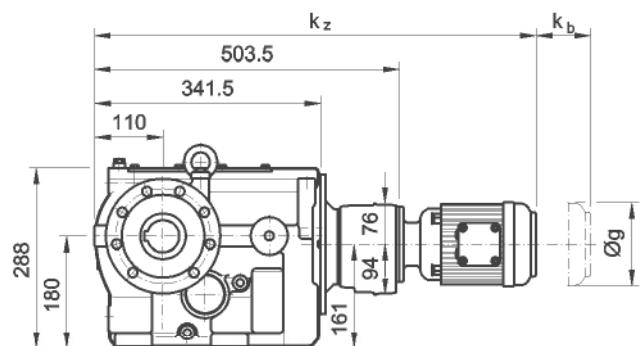


SKT..46..

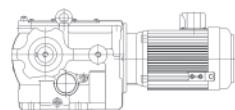


SKT..46C16B/C

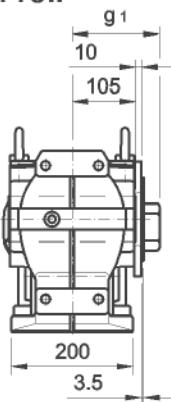
63 - 112



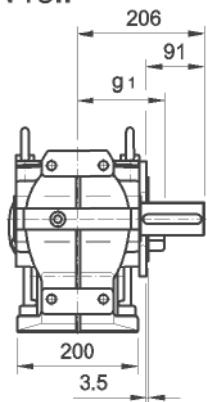
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		635	696	696	702	729	815	815										
ku																		
kz	758	806	867	867	873													
kc																		
kb	56	89	101	101	90	89	109	128										
øg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		



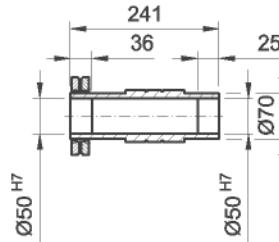
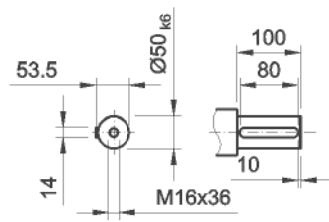
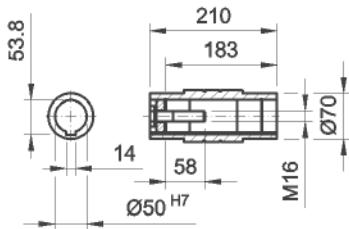
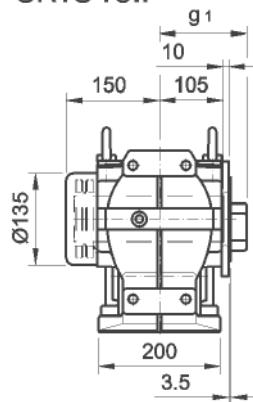
SKTH46..



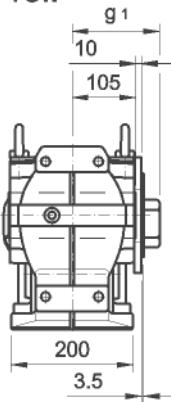
SKTN46..



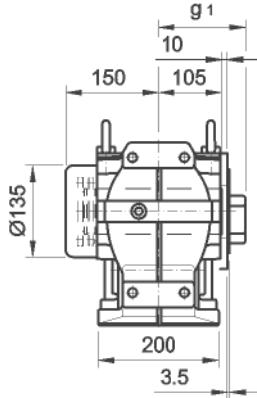
SKTS46..



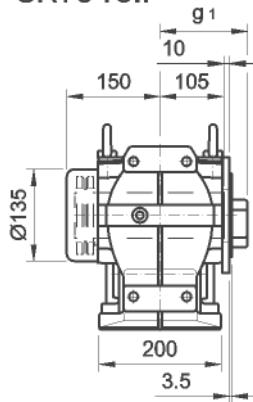
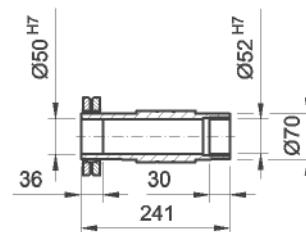
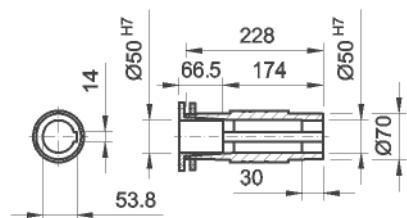
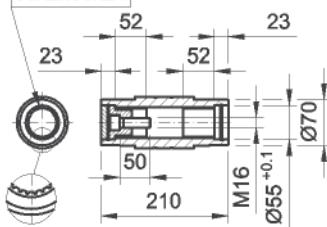
SKTT46..

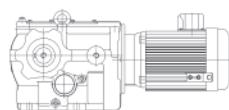


SKTB46..



SKTC46..

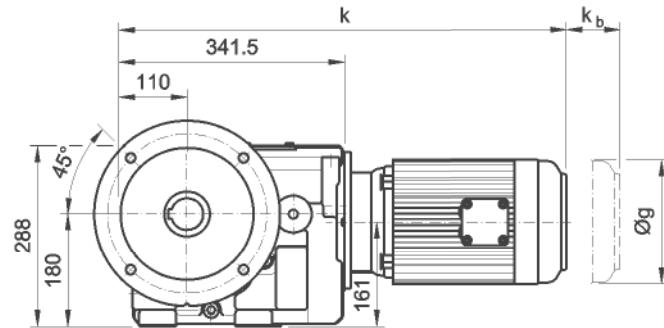
DIN 5480
50x2x30x24



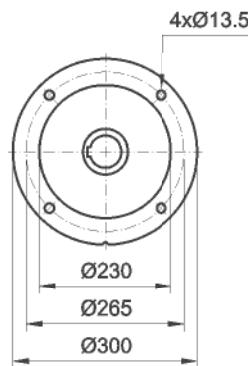
6. SK4

SKF..46C

71 - 160

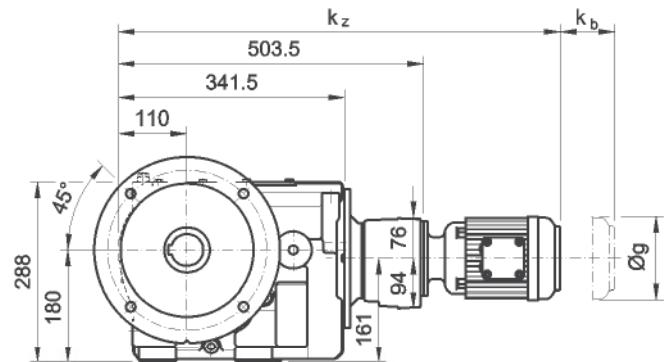


SKF..46..

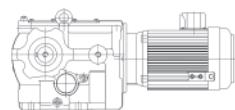
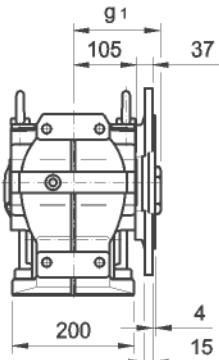
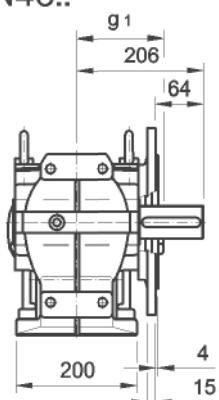
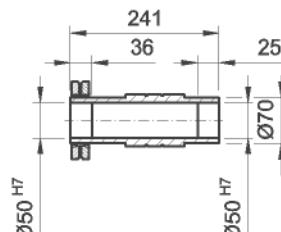
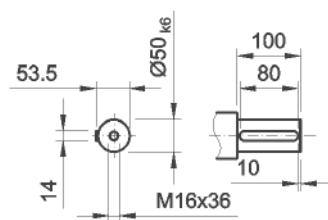
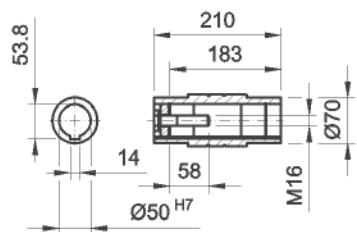
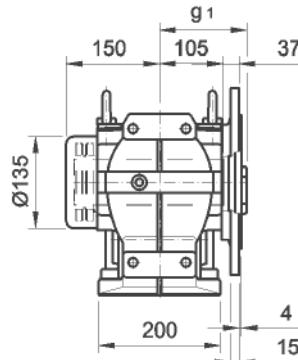
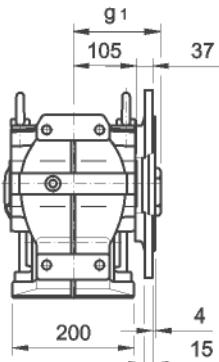
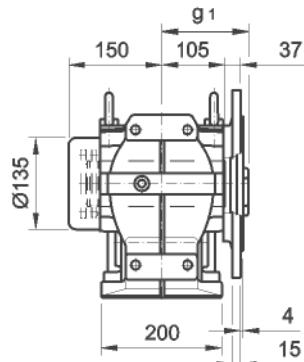
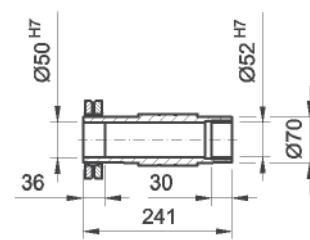
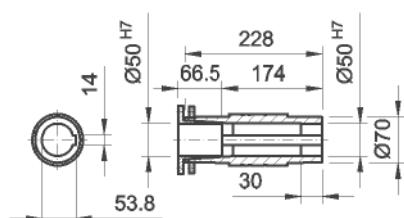
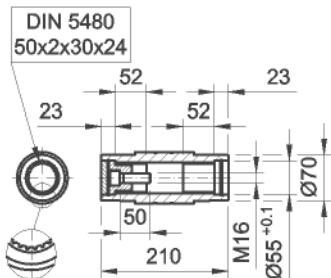
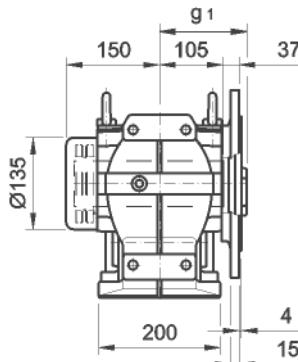


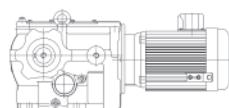
SKF..46C16B/C

63 - 112



	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		635	696	696	702	729	815	815										
ku																		
kz	758	806	867	867	873													
kc																		
kb	56	89	101	101	90	89	109	128										
øg	139	156	174	174	196	213	255	255										
g1	102	125	133	133	144	165	182	182										
øam																		

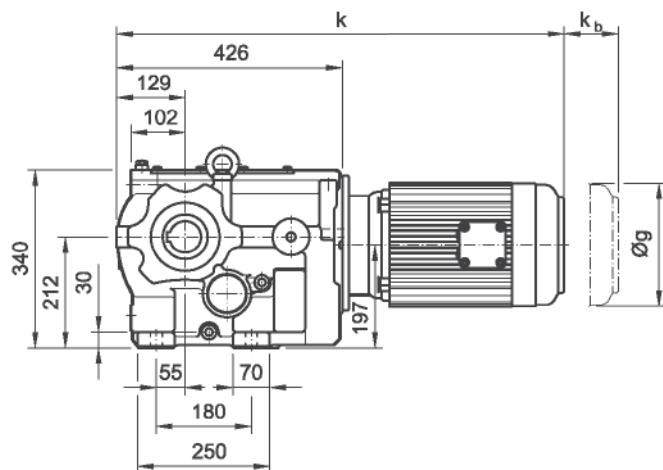
**SKFH46..****SKFN46..****SKFS46..****SKFT46..****SKFB46..****SKFC46..**



6. SK4

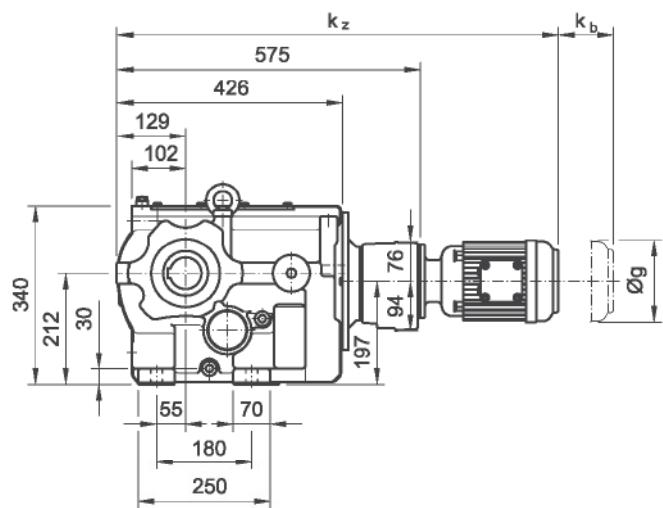
SKZ..56C

80 - 200

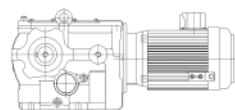


SKZ..56C16B/C

63 - 112

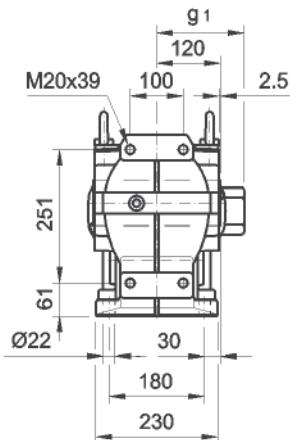


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		707	768	768	774	801	887	887	950	950	1009	1009						
k _u																		
k _z	829	877	938	938	944													
k _c																		
k _b	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		

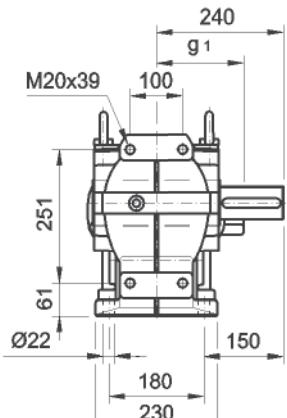


6. SK4

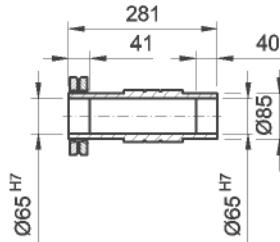
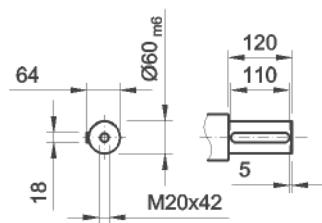
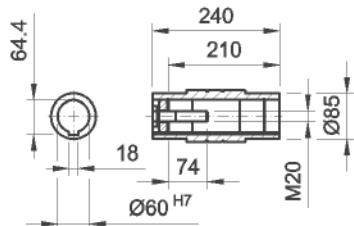
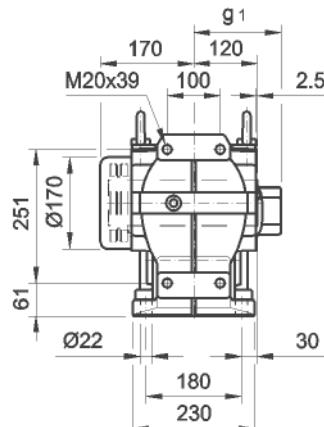
SKZH56..



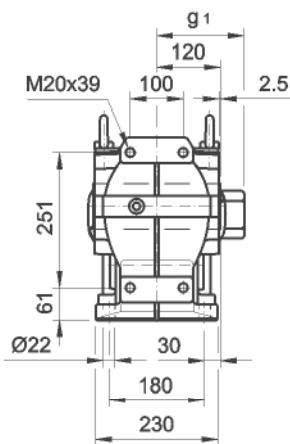
SKZN56..



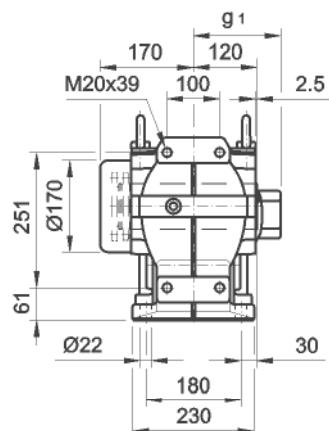
SKZS56..



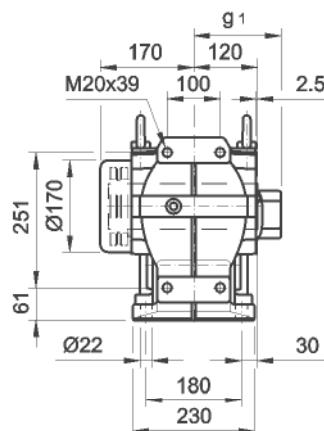
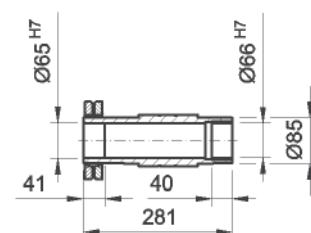
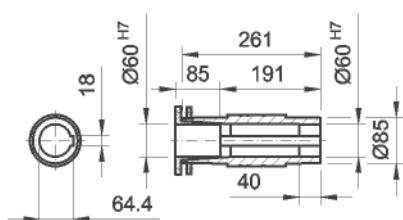
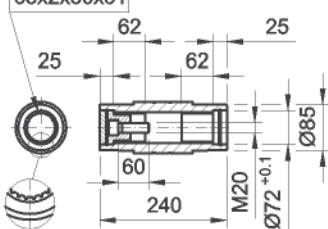
SKZT56..

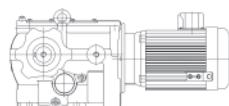


SKZB56..



SKZC56..

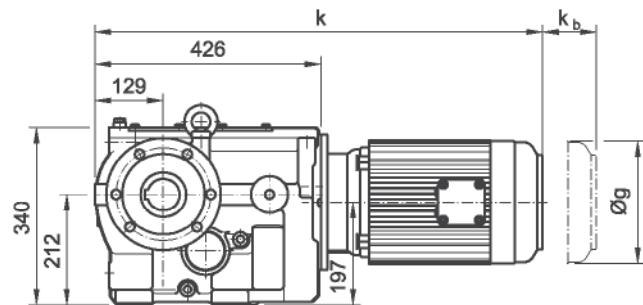
DIN 5480
65x2x30x31



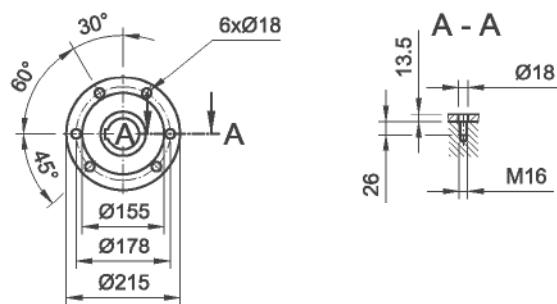
6. SK4

SKT..56C

80 - 200

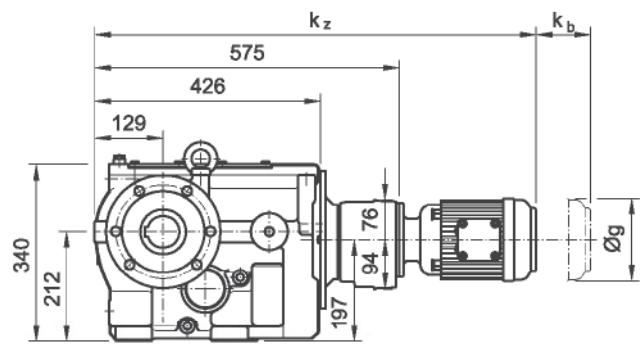


SKT..56..

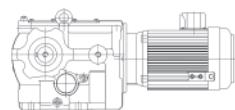


SKT..56C16B/C

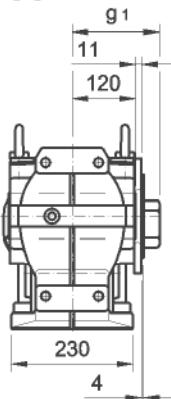
63 - 112



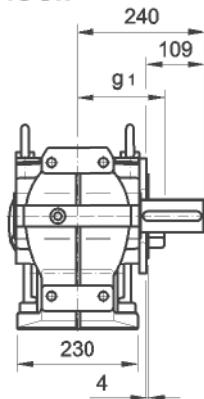
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		707	768	768	774	801	887	887	950	950	1009	1009						
ku																		
kz	829	877	938	938	944													
kc																		
kb	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



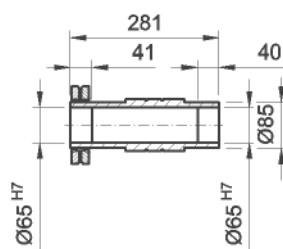
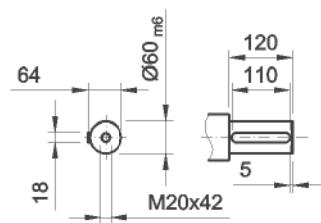
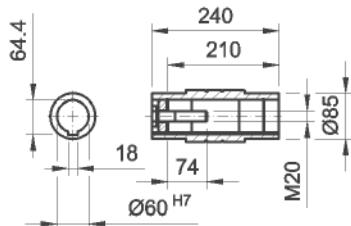
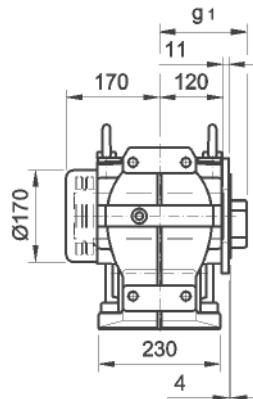
SKTH56..



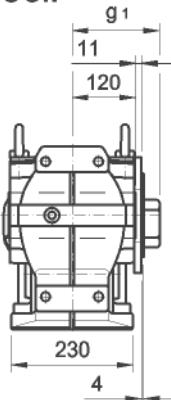
SKTN56..



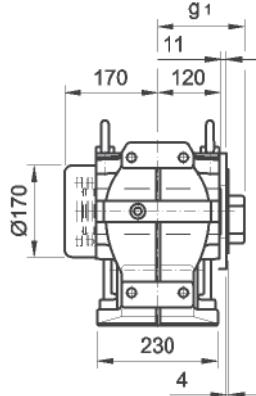
SKTS56..



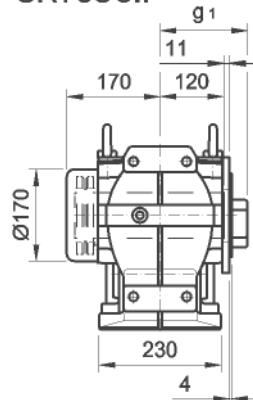
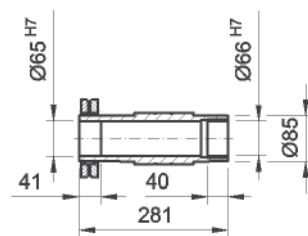
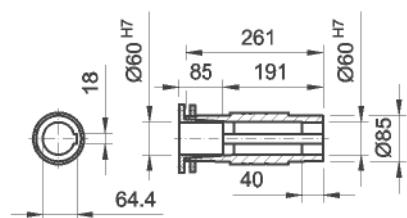
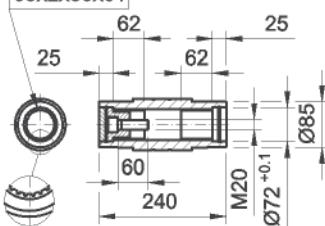
SKTT56..

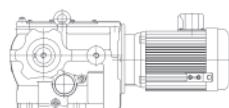


SKTB56..



SKTC56..

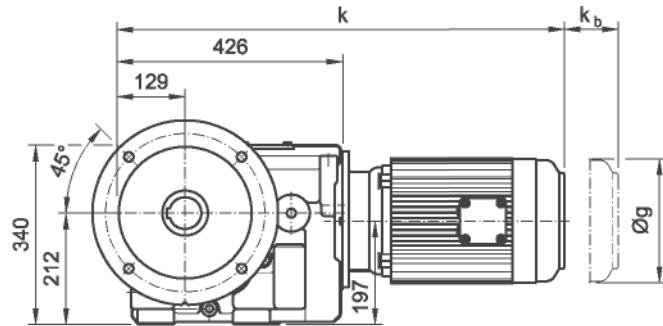
DIN 5480
65x2x30x31



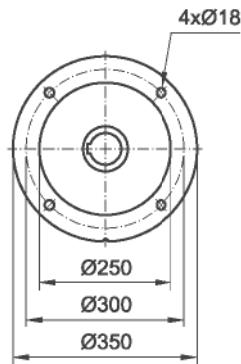
6. SK4

SKF..56C

80 - 200

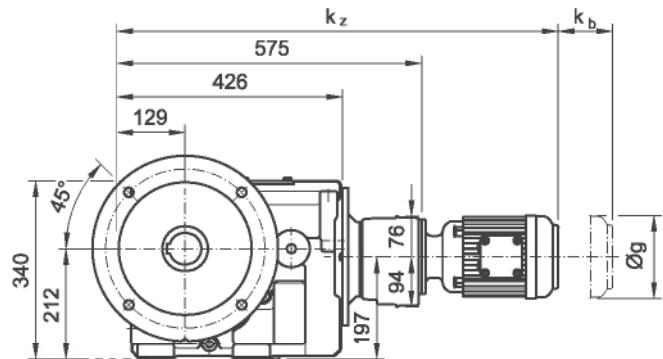


SKF..56..

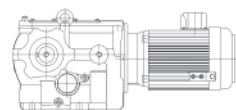


SKF..56C16B/C

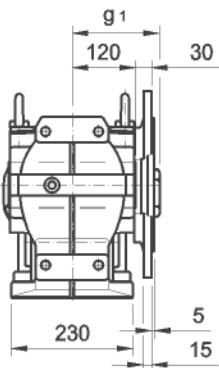
63 - 112



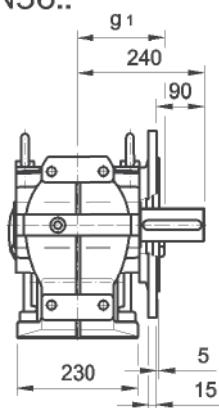
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		707	768	768	774	801	887	887	950	950	1009	1009						
ku																		
kz	829	877	938	938	944													
kc																		
kb	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		



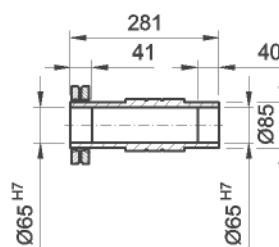
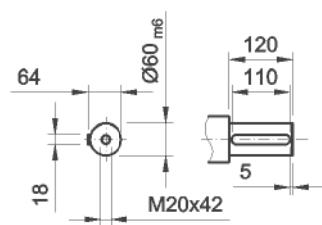
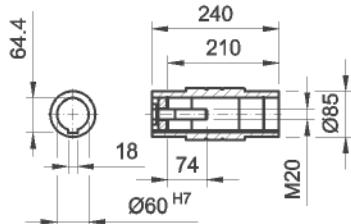
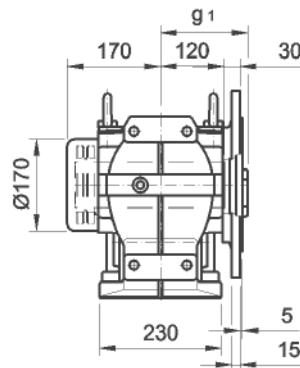
SKFH56..



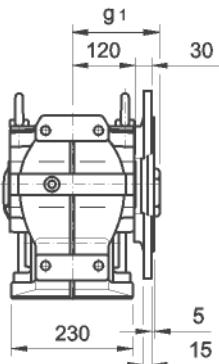
SKFN56..



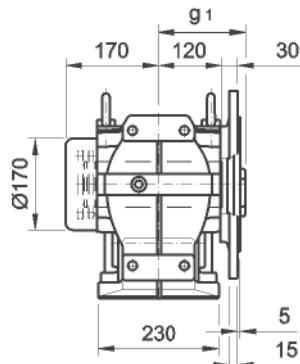
SKFS56..



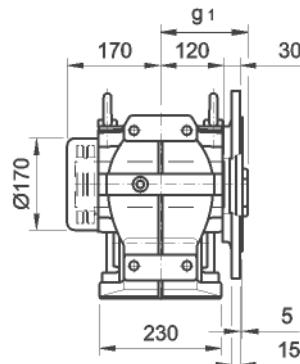
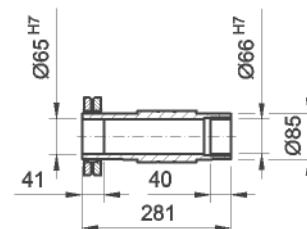
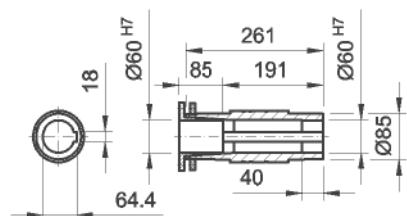
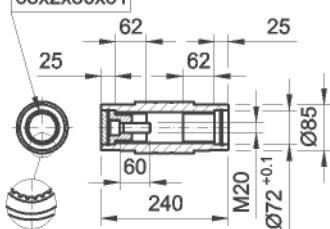
SKFT56..

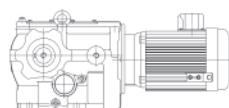


SKFB56..



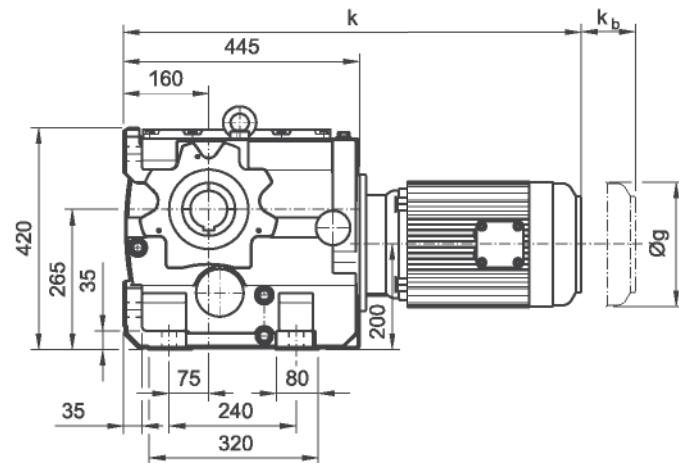
SKFC56..

DIN 5480
65x2x30x31

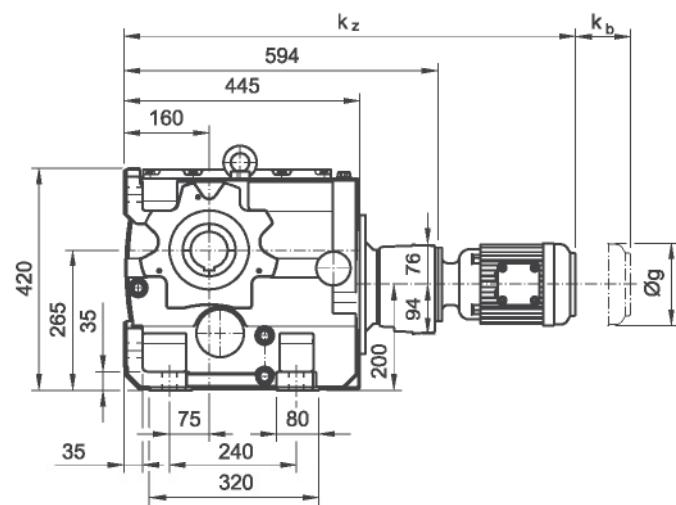


6. SK4

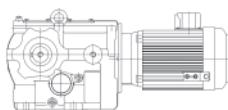
SKZ..66C
80 - 200



SKZ..66C16B/C
63 - 112

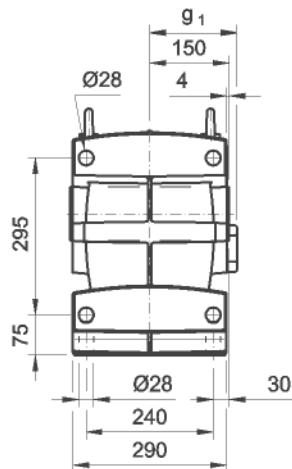


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		726	787	787	793	820	906	906	969	969	1028	1028						
ku																		
kz	848	896	957	957	963													
kc																		
kb	56	89	101	101	90	89	109	128	128	128	151	151						
og	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
cam																		

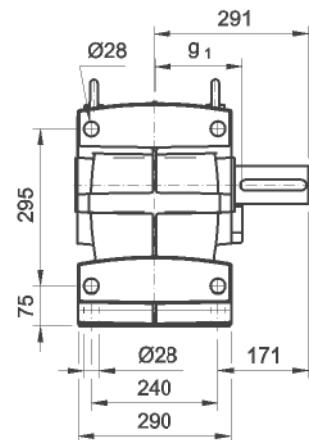


6. SK4

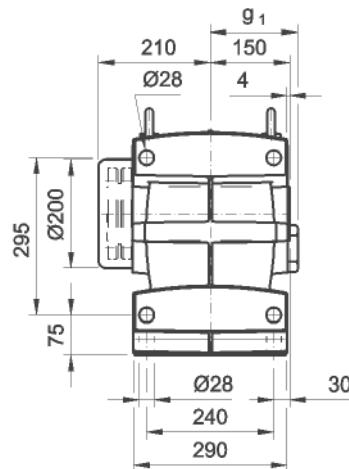
SKZH66..



SKZN66..



SKZS66..

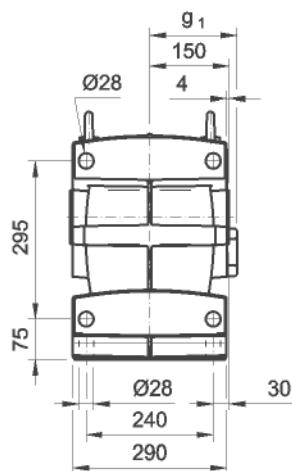


A technical drawing of a mechanical part, likely a housing or bearing housing. The drawing shows a top view with a circular bore of Ø70 H7 and a shoulder width of 76. A side view indicates a total height of 74.9 and a total length of 300. An internal slot has a width of 270. A note on the right specifies a dimension of Ø100 M20.

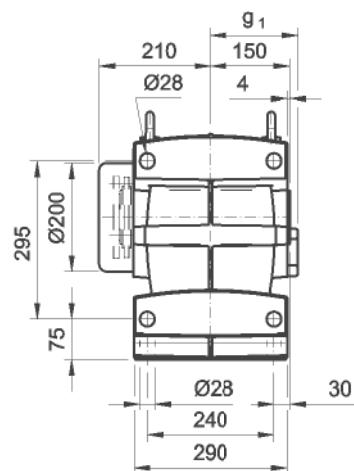
A technical drawing of a mechanical part. It features a central vertical slot with a width of 7.5. On either side of the slot, there are shoulders with a total width of 140. The distance from the bottom of the slot to the top of the shoulders is 125. A central hole has a diameter of Ø70 m6. The overall height of the part is 74.5, and the width at the base is 20. Two M20x42 bolts are shown at the bottom.

A technical drawing of a cylindrical component. The overall width is 345, divided into a shoulder width of 55 and a main body width of 290. The shoulder height is 50. There are two holes with a diameter of Ø75 H7, one on each side of the shoulder. The material thickness is indicated as 100.

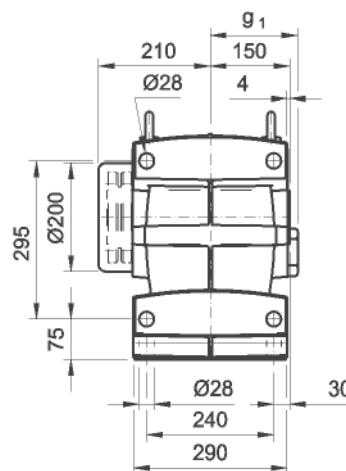
SKZT66..



SKZB66..



SKZC66..



DIN 5480
70x2x30x34

25 72 25

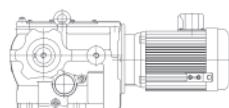
25 72

60 300

M20

$\varnothing 100$

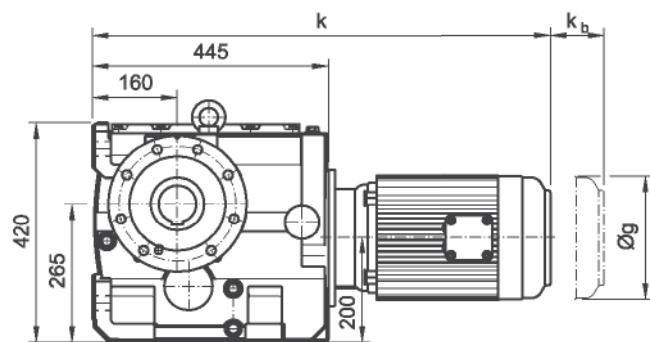
$\varnothing 72 +0.1$



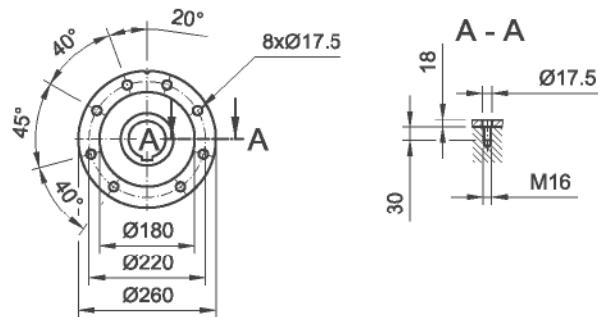
6. SK4

SKT..66C

80 - 200

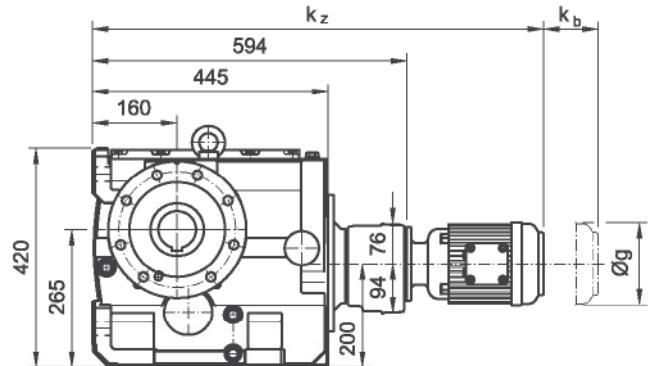


SKT..66..

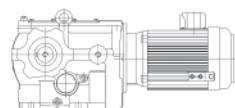


SKT..66C16B/C

63 - 112

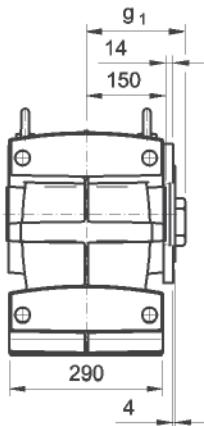


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		726	787	787	793	820	906	906	969	969	1028	1028						
k_u																		
k_z	848	896	957	957	963													
k_c																		
k_b	56	89	101	101	90	89	109	128	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g_1	102	125	133	133	144	165	182	182	287	287	312	312						
zam																		

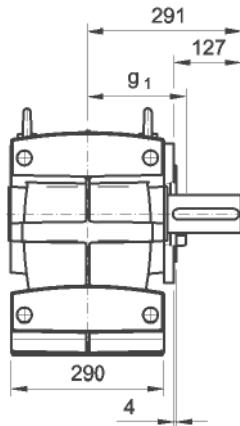


6. SK4

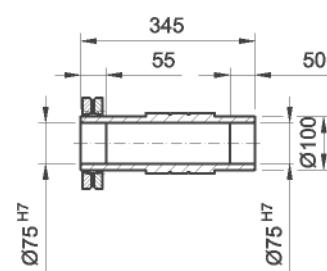
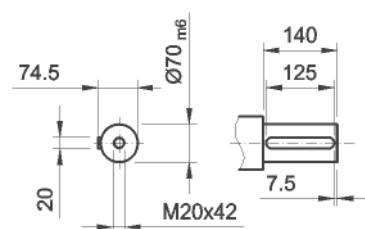
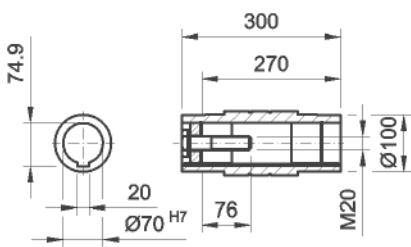
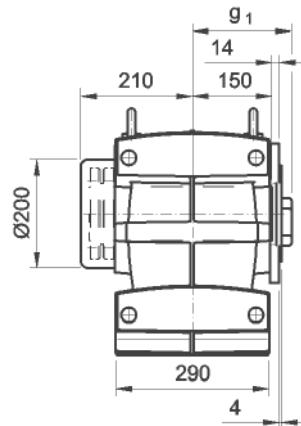
SKTH66..



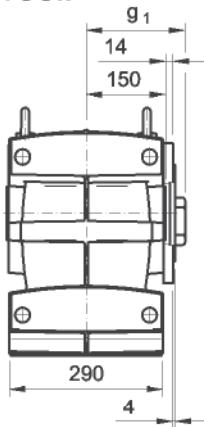
SKTN66..



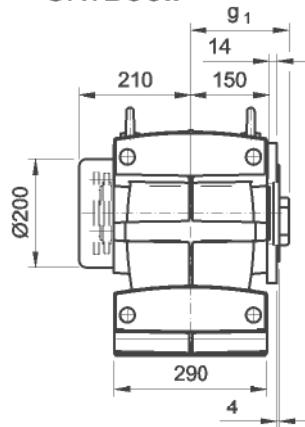
SKTS66..



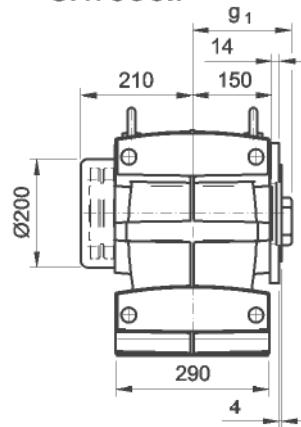
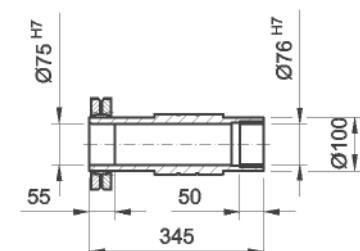
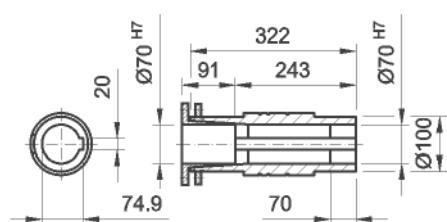
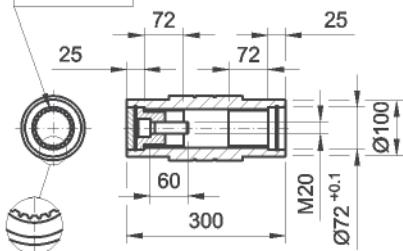
SKTT66..

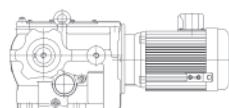


SKTB66..



SKTC66..

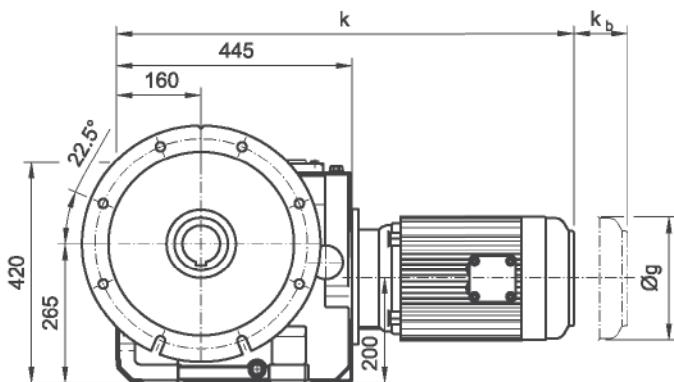
DIN 5480
70x2x30x34



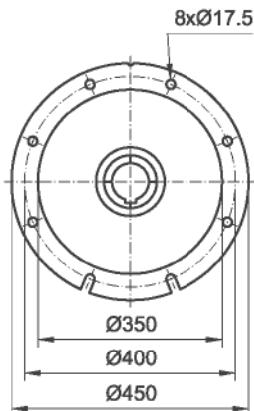
6. SK4

SKF..66C

80 - 200

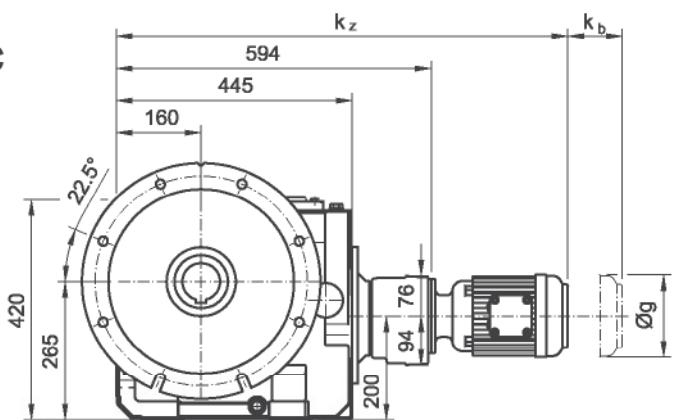


SKF..66..

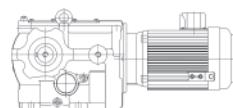


SKF..66C16B/C

63 - 112

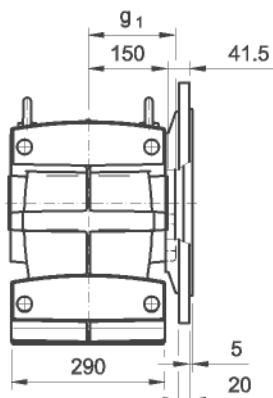


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k		726	787	787	793	820	906	906	969	969	1028	1028						
ku																		
kz	848	896	957	957	963													
kc																		
kb	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam																		

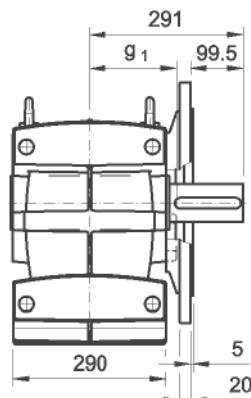


6. SK4

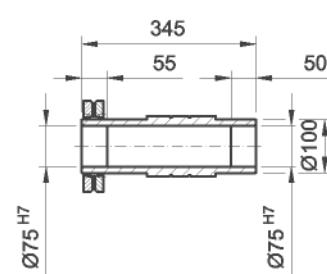
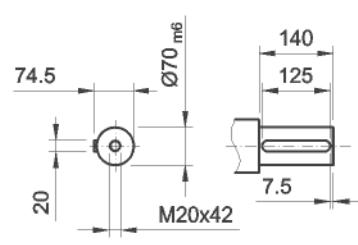
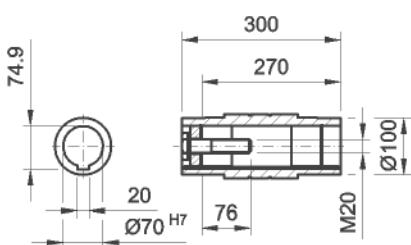
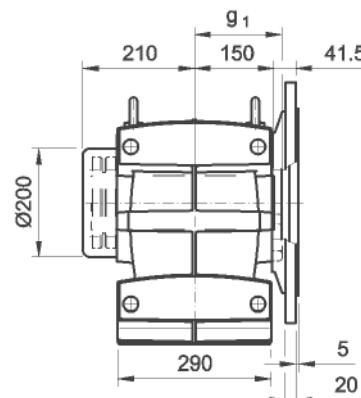
SKFH66..



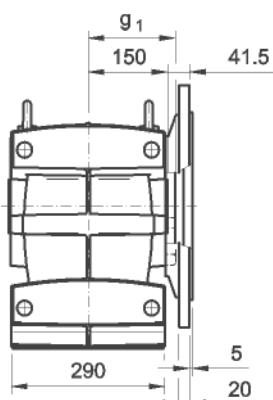
SKFN66..



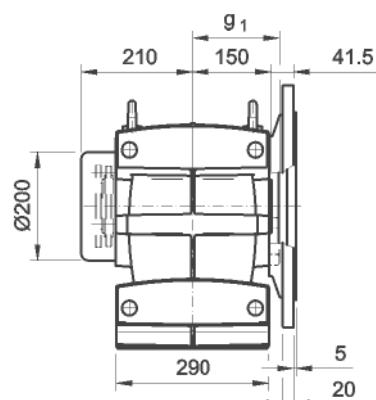
SKFS66..



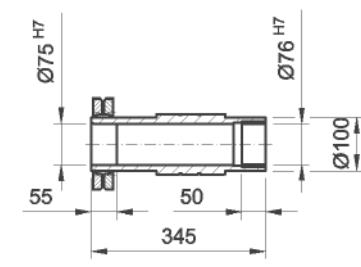
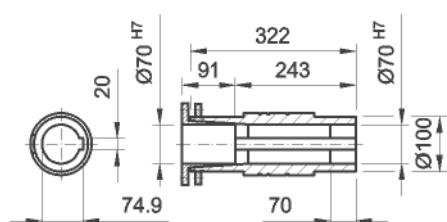
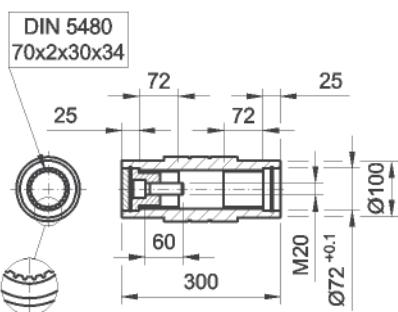
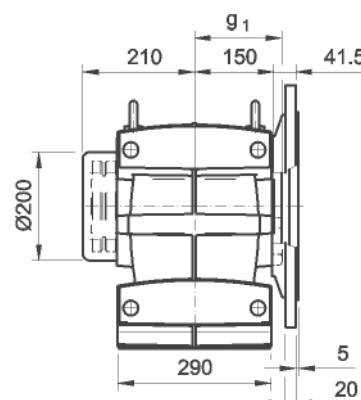
SKFT66..

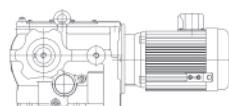


SKFB66..



SKFC66..

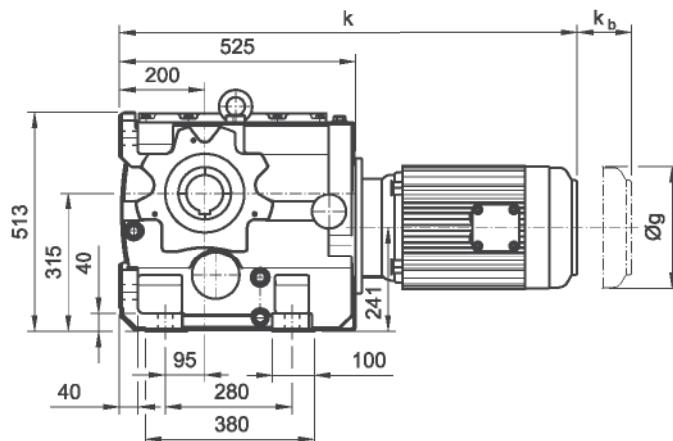




6. SK4

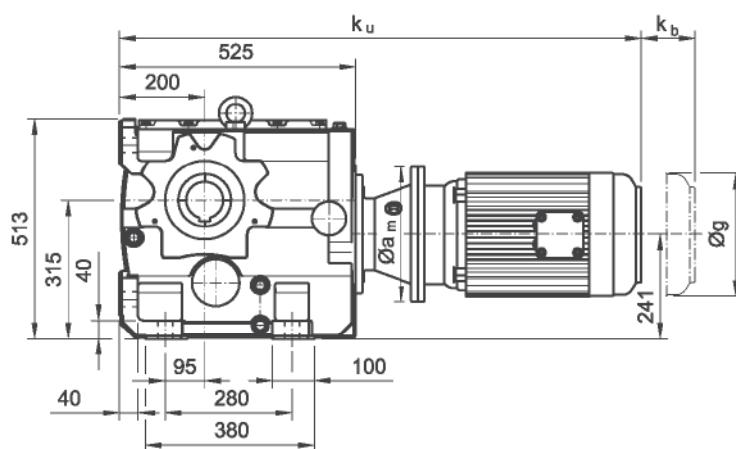
SKZ..76C

100 - 225



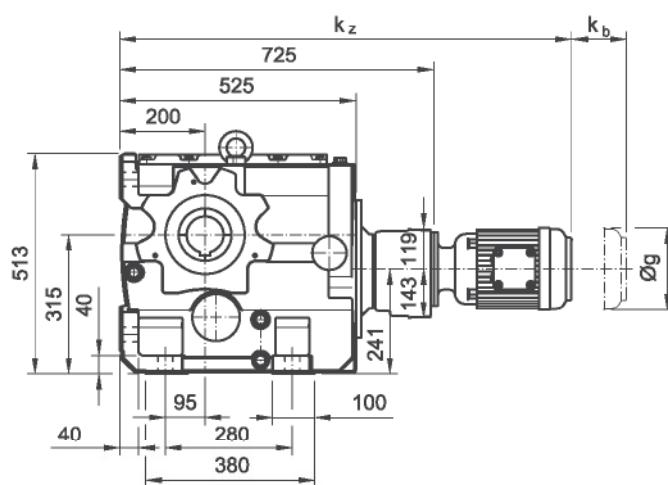
SKZ..76C-U

100 - 280

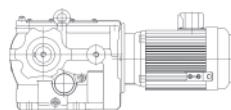
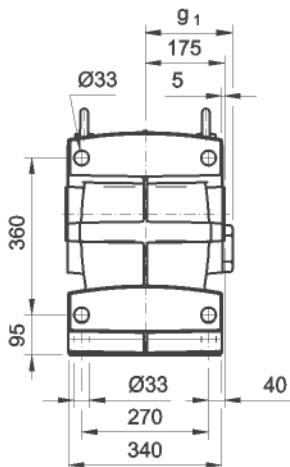
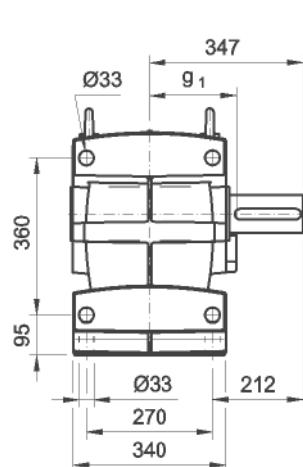
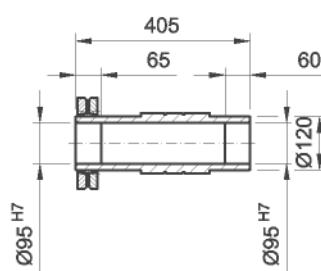
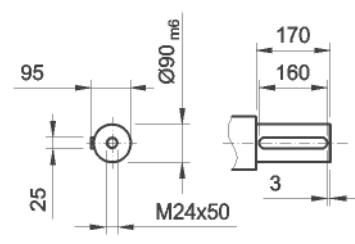
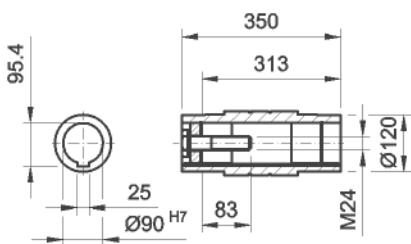
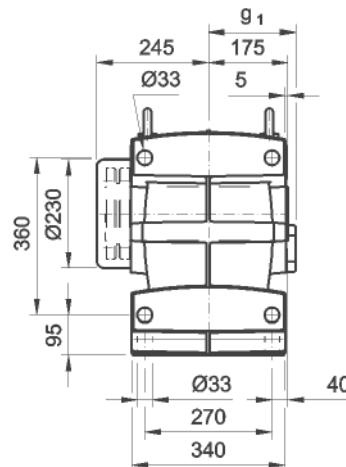
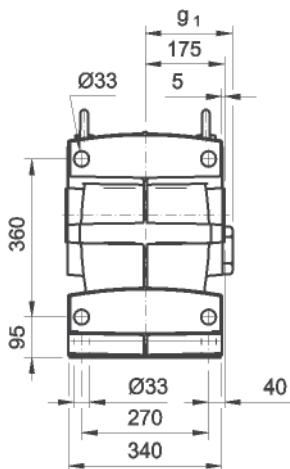
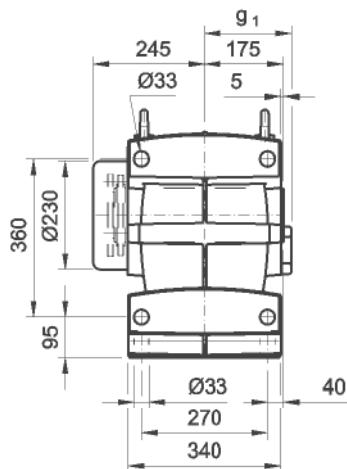
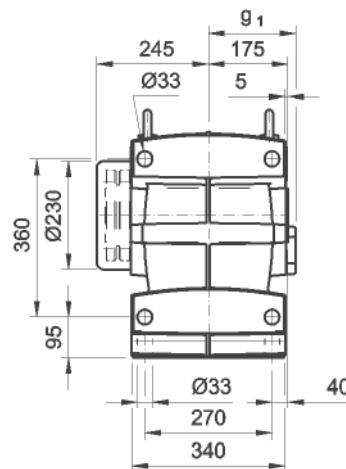
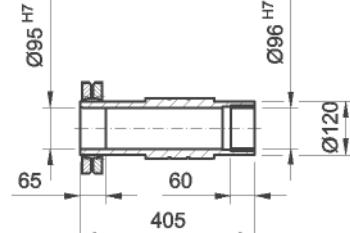
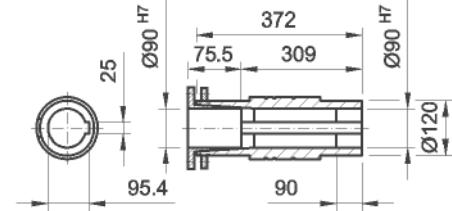
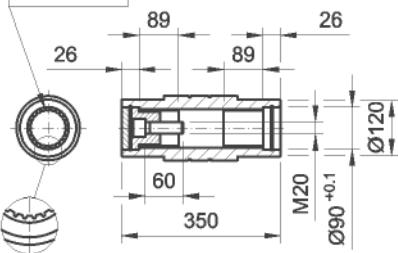


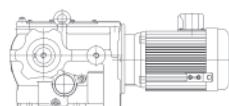
SKZ..76C36B/C

63 - 160



	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						891	978	878	1049	1049	1108	1108						
k _u					973	990	1029	1067	1210	1254	1368	1406	1496	1585	1615	1705	1811	1811
k _z		1018	1079	1079	1085	1112	1198	1198										
k _c																		
k _b	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550

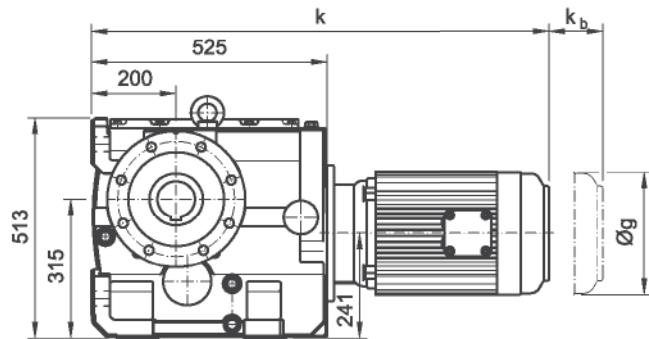
**SKZH76..****SKZN76..****SKZS76..****SKZT76..****SKZB76..****SKZC76..**DIN 5480
85x3x30x27



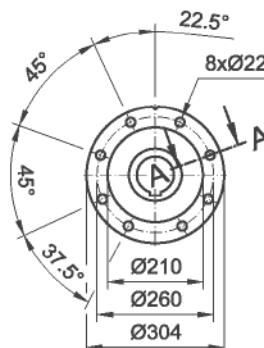
6. SK4

SKT..76C

100 - 225

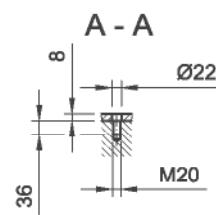
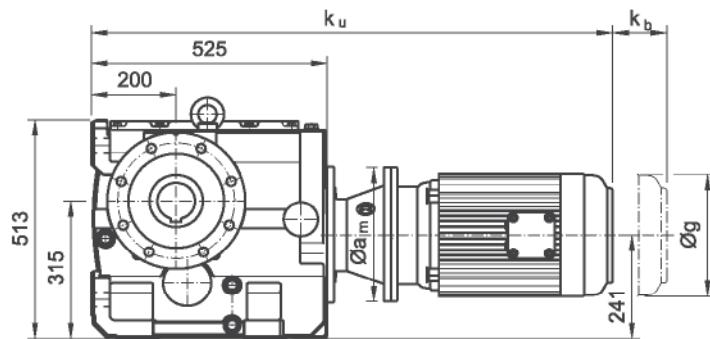


SKT..76..



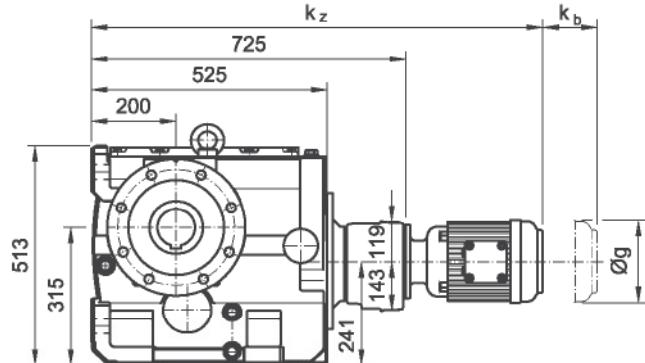
SKT..76C-U

100 - 280

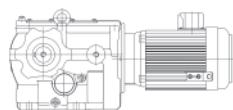
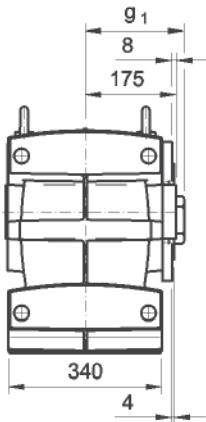
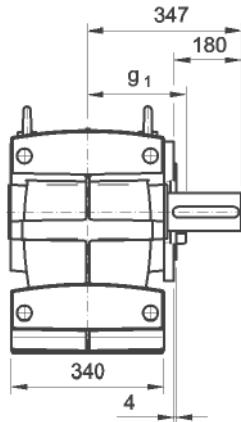
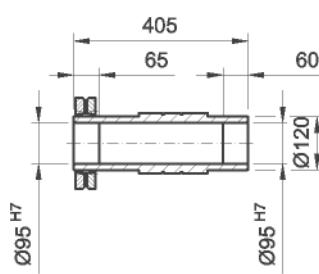
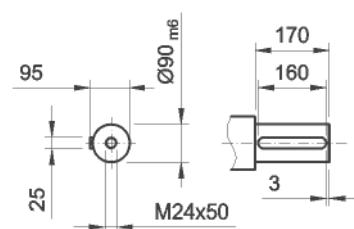
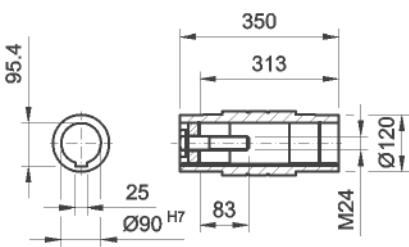
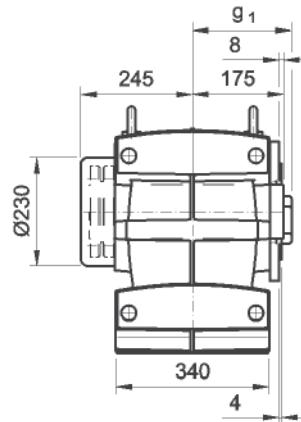
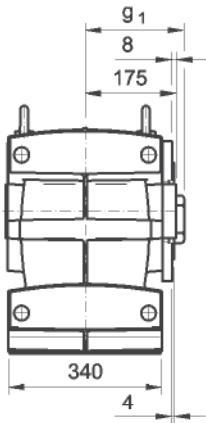
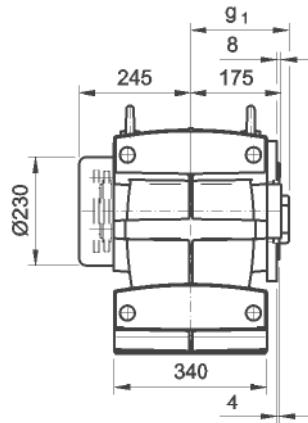
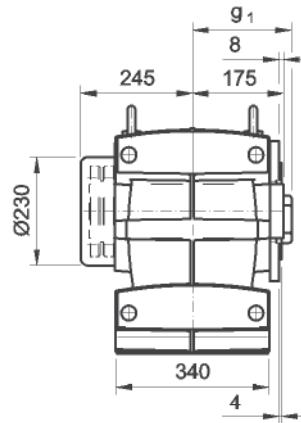
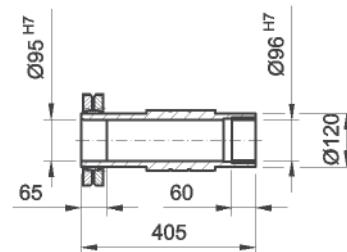
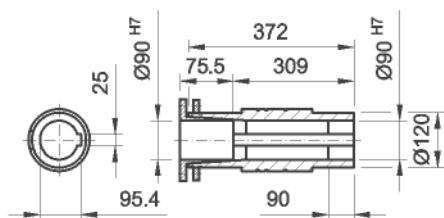
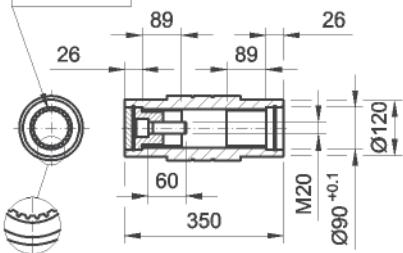


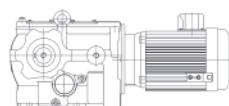
SKT..76C36B/C

63 - 160



	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						891	978	878	1049	1049	1108	1108						
ku						973	990	1029	1067	1210	1254	1368	1406	1496	1585	1615	1705	1811
kz		1018	1079	1079	1085	1112	1198	1198										
kc																		
kb	56	89	101	101	90	89	109	128	128	128	151	151						
dg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550

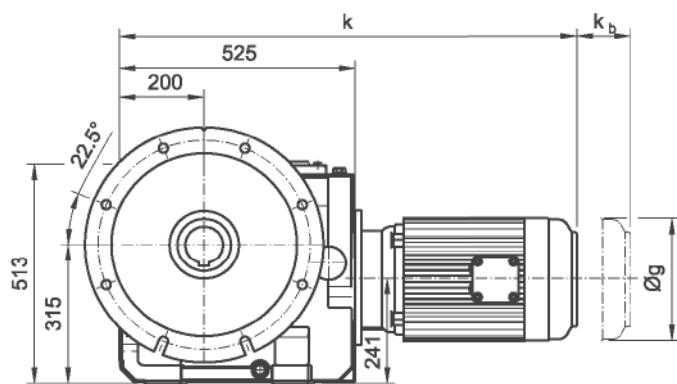
**SKTH76..****SKTN76..****SKTS76..****SKTT76..****SKTB76..****SKTC76..**DIN 5480
85x3x30x27



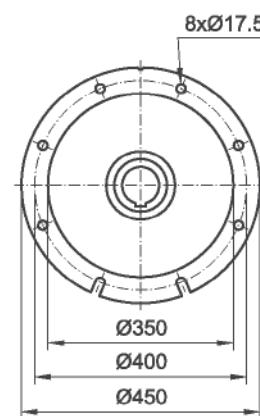
6. SK4

SKF..76C

100 - 225

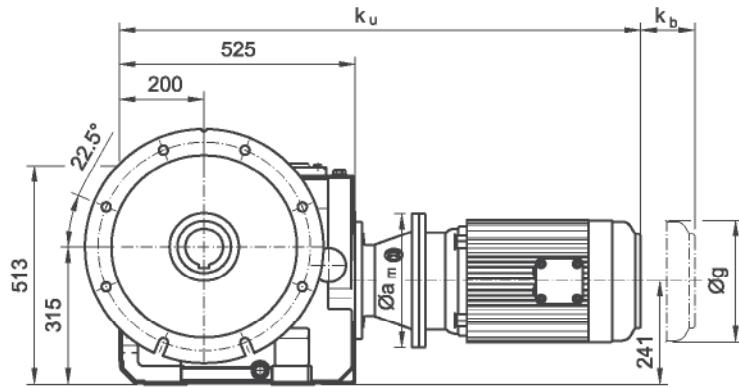


SKF..76..



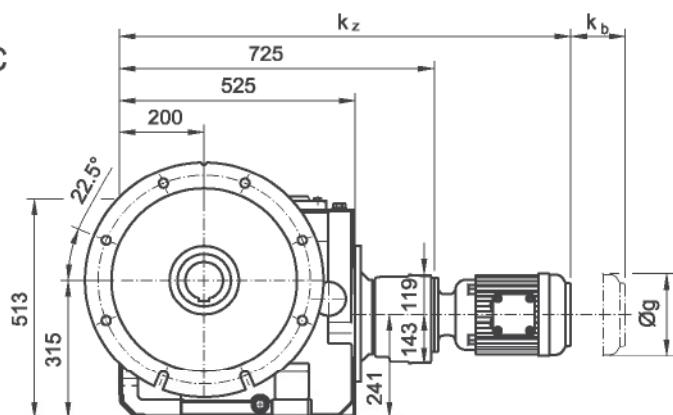
SKF..76C-U

100 - 280

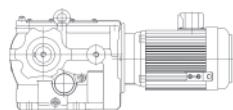


SKF..76C36B/C

63 - 160

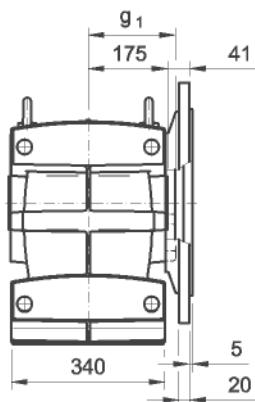


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						891	978	878	1049	1049	1108	1108						
ku						973	990	1029	1067	1210	1254	1368	1406	1496	1585	1615	1705	1811
kz		1018	1079	1079	1085	1112	1198	1198										
kc																		
kb	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
q1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550

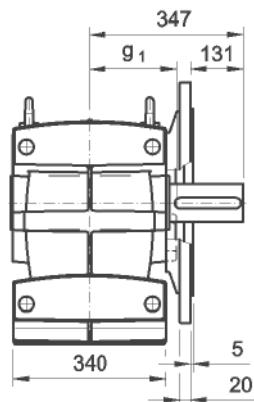


6. SK4

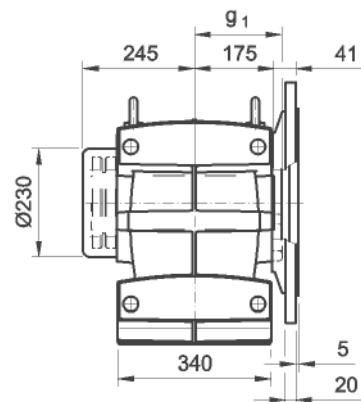
SKFH76..



SKFN76..



SKFS76..



Technical drawing of a mechanical part with the following dimensions:

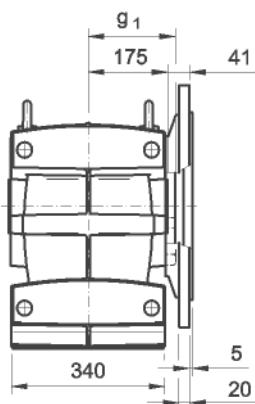
- Total height: 95.4
- Top horizontal dimension: 25
- Bottom horizontal dimension: Ø90 H7
- Side horizontal dimension: 83
- Total length: 350
- Internal slot width: 313
- Hole diameter: M24
- Width of the slot: Ø120

Technical drawing of a mechanical part with the following dimensions:

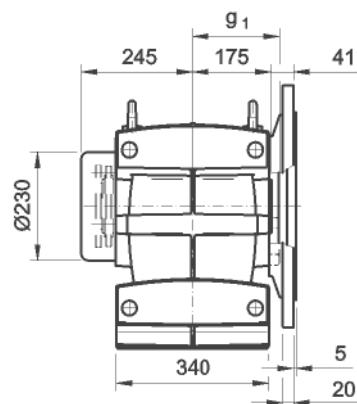
- Height: 95
- Width: 25
- Hole diameter: $\varnothing 90\text{ m}6$
- Bolt size: M24x50
- Slot width: 170
- Slot thickness: 3

A technical drawing showing a cross-section of a rectangular component. The top horizontal dimension is labeled 405. The top vertical dimension is labeled 65. The bottom vertical dimension is labeled 120. The side vertical dimensions are labeled 95 on both the left and right sides.

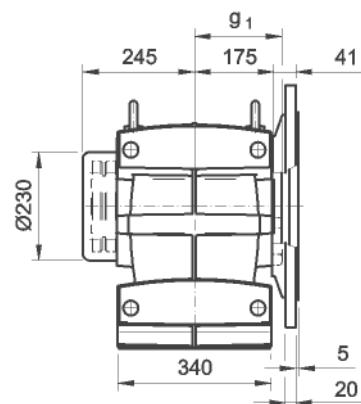
SKFT76..

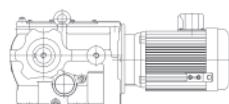


SKFB76..

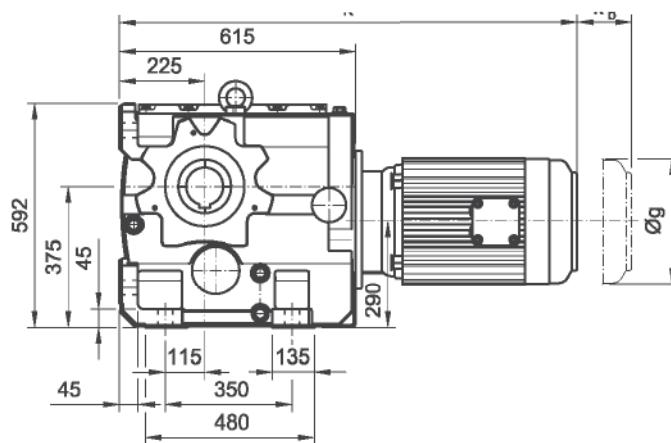
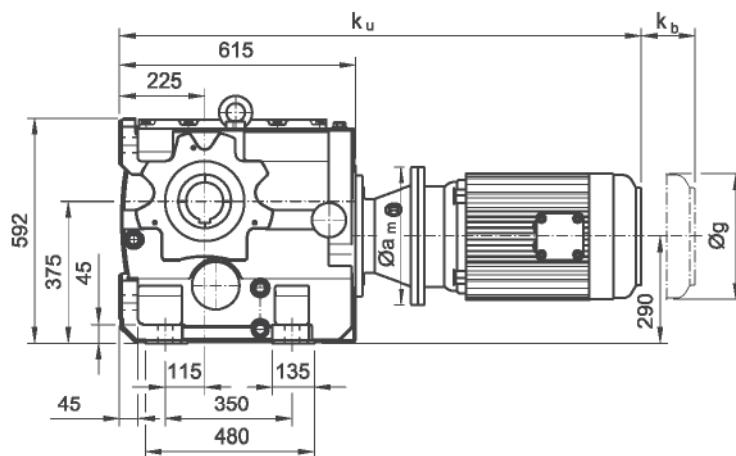
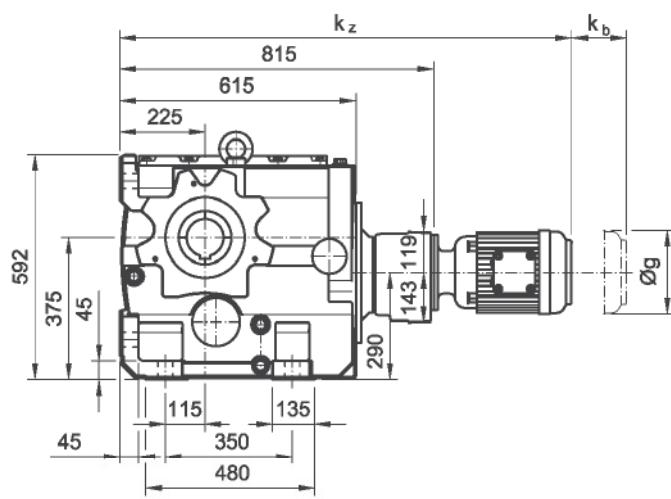


SKFC76..

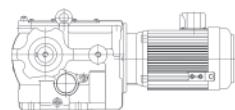




6. SK4

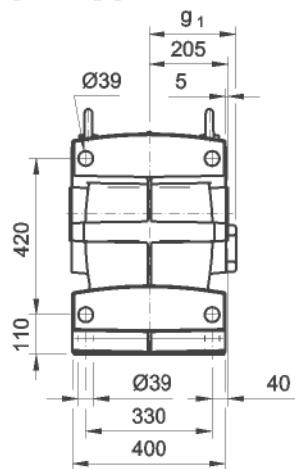
SKZ..000U
100 - 225SKZ..86C-U
100 - 280SKZ..86C36B/C
63 - 160

	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						981	1068	968	1139	1139	1198	1198						
ku					1063	1080	1119	1157	1300	1344	1458	1496	1586	1675	1705	1795	1901	1901
kz		1108	1169	1169	1175	1202	1288	1288										
kc																		
kb	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550

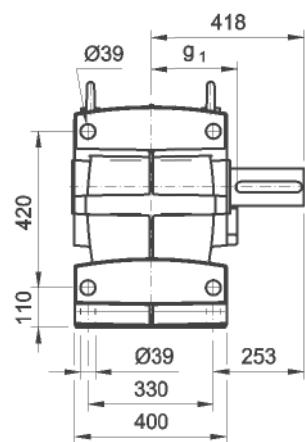


6. SK4

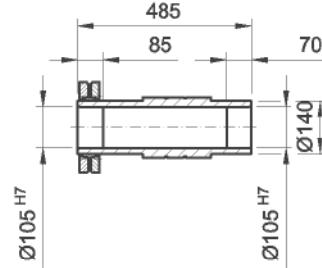
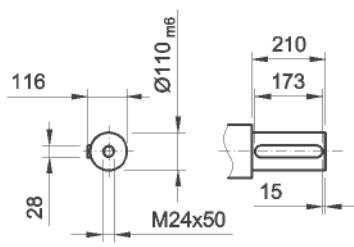
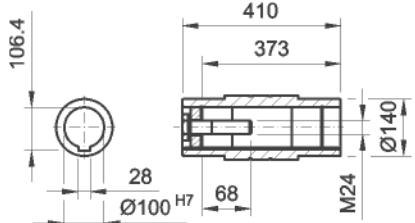
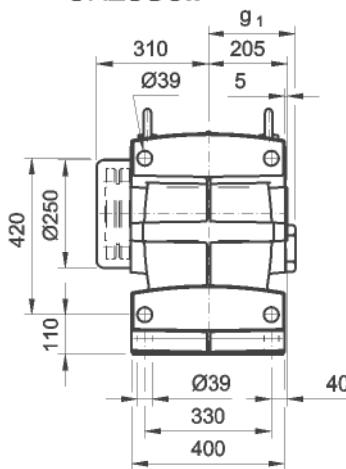
SKZH86..



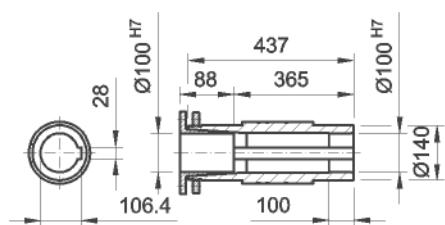
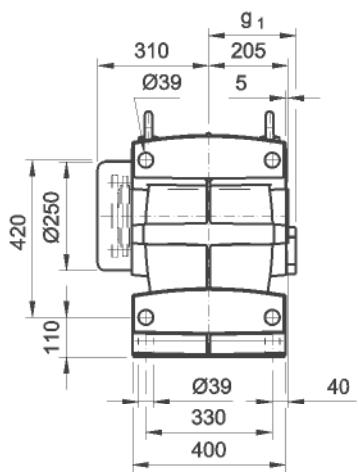
SKZN86..



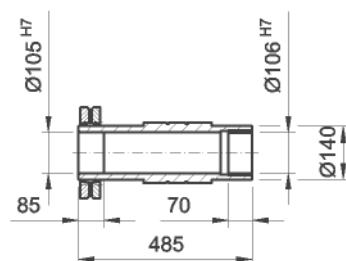
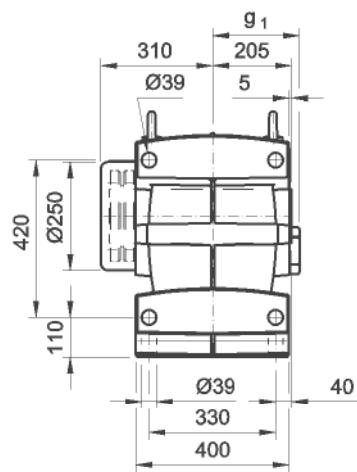
SKZS86..

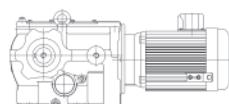


SKZB86..



SKZC86..

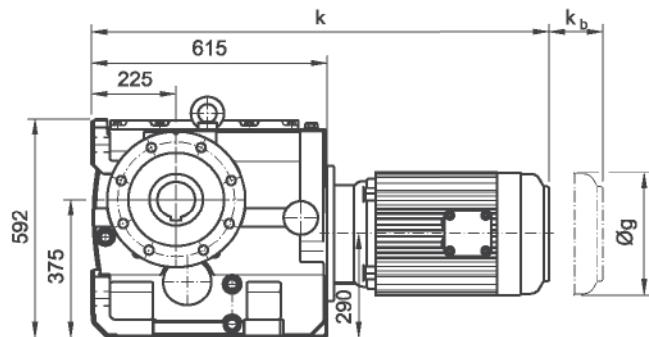




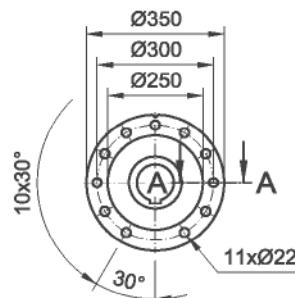
6. SK4

SKT..86C

100 - 225

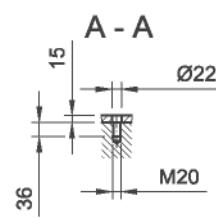
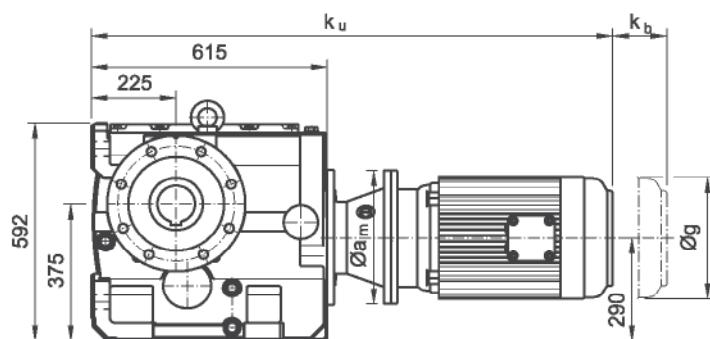


SKT..86..



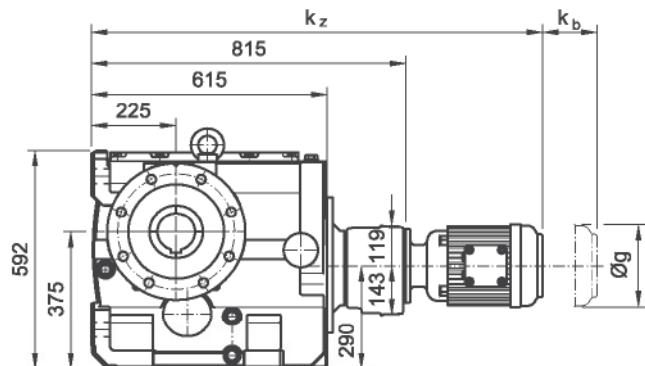
SKT..86C-U

100 - 280

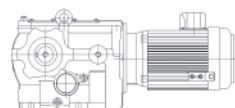


SKT..86C36B/C

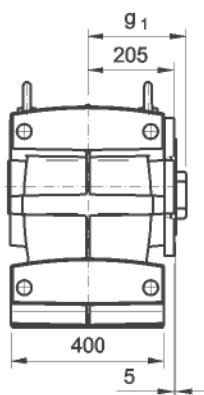
63 - 160



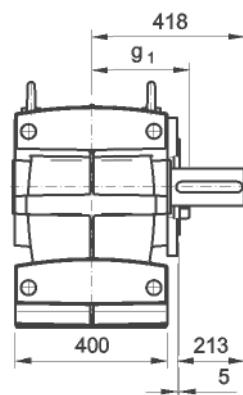
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						981	1068	968	1139	1139	1198	1198						
k _u					1063	1080	1119	1157	1300	1344	1458	1496	1586	1675	1705	1795	1901	1901
k _z		1108	1169	1169	1175	1202	1288	1288										
k _c																		
k _b	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550



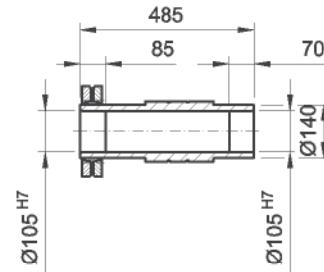
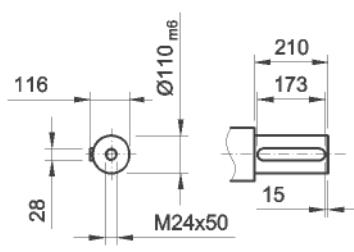
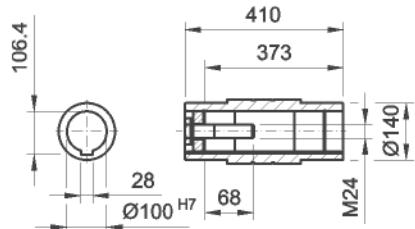
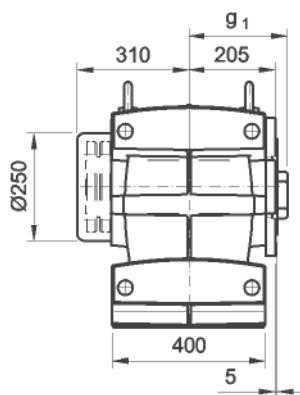
SKTH86..



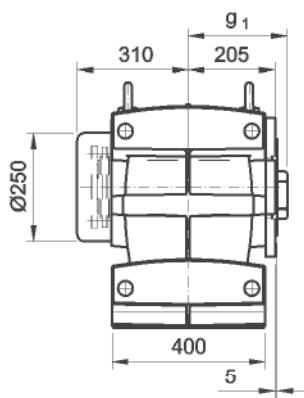
SKTN86..



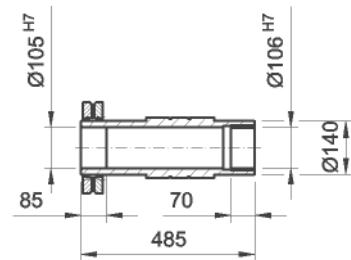
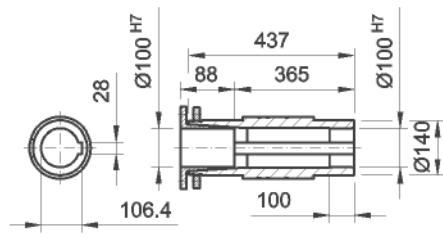
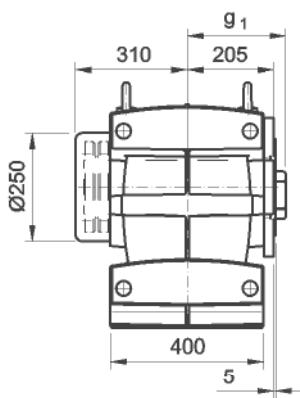
SKTS86..

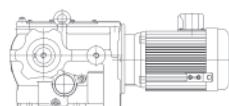


SKTB86..



SKTC86..

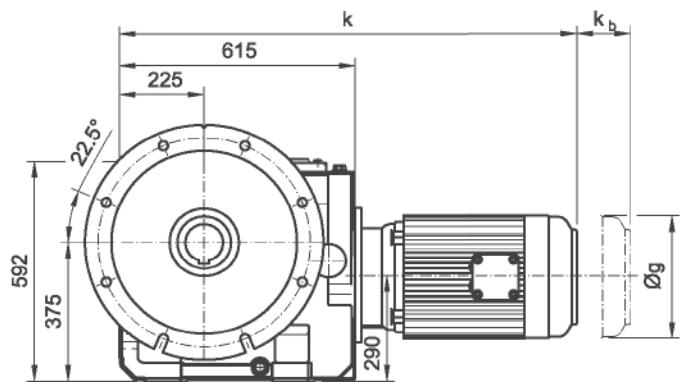




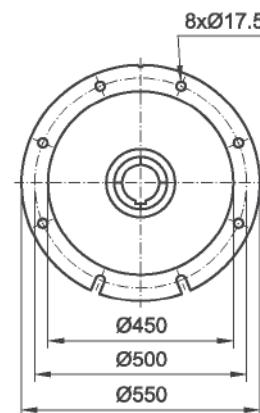
6. SK4

SKF..86C

100 - 225

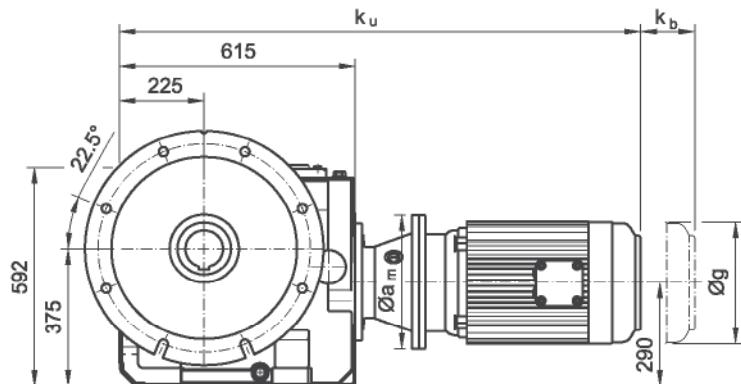


SKF..86..



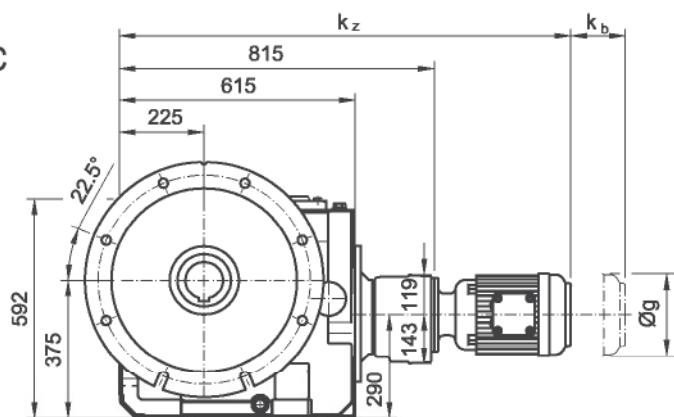
SKF..86C-U

100 - 280

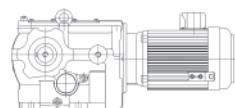


SKF..86C36B/C

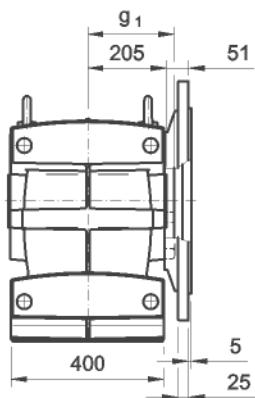
63 - 160



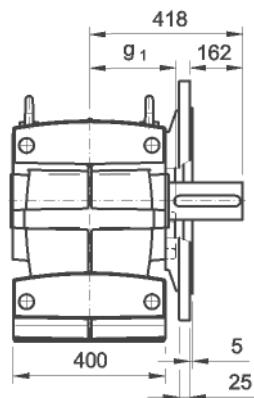
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						981	1068	968	1139	1139	1198	1198						
k _u					1063	1080	1119	1157	1300	1344	1458	1496	1586	1675	1705	1795	1901	1901
k _z		1108	1169	1169	1175	1202	1288	1288										
k _c																		
k _b	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g ₁	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550



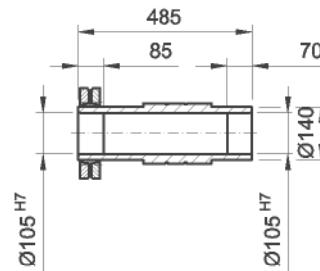
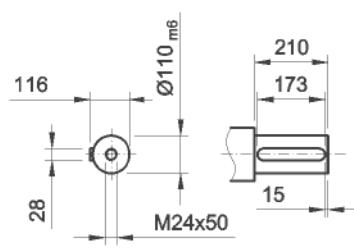
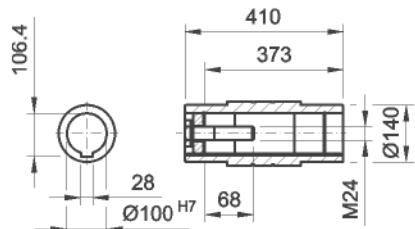
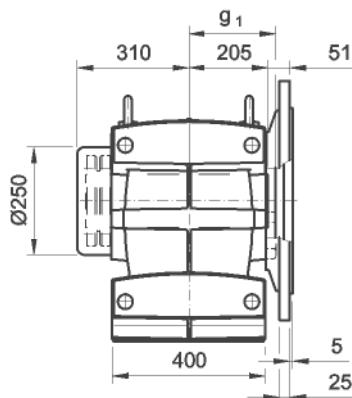
SKFH86..



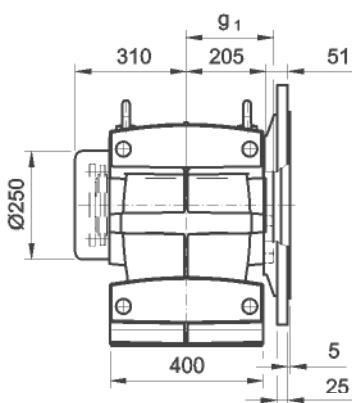
SKFN86..



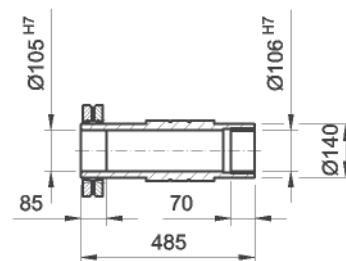
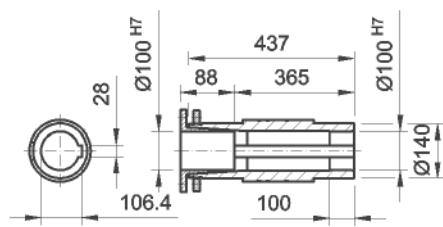
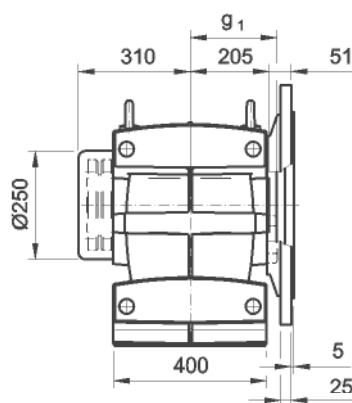
SKFS86..

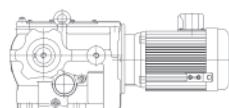


SKFB86..



SKFC86..

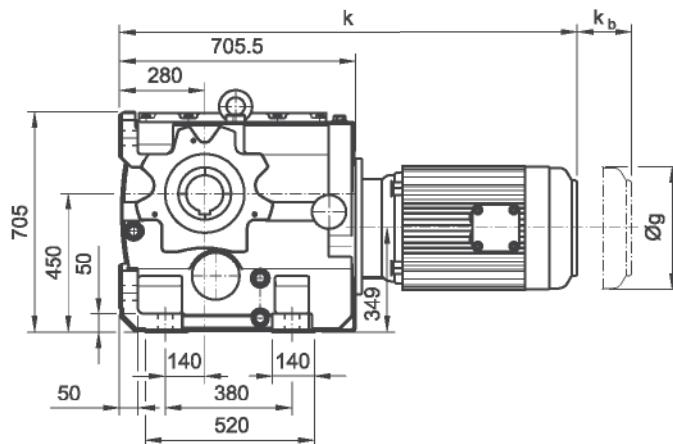




6. SK4

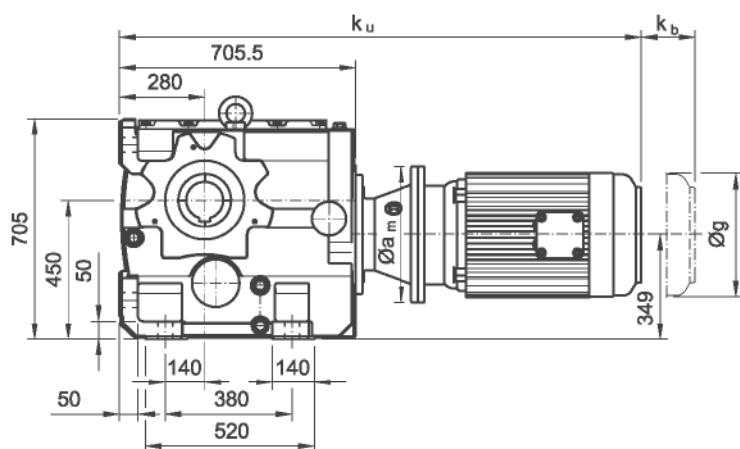
SKZ..96C

100 - 225



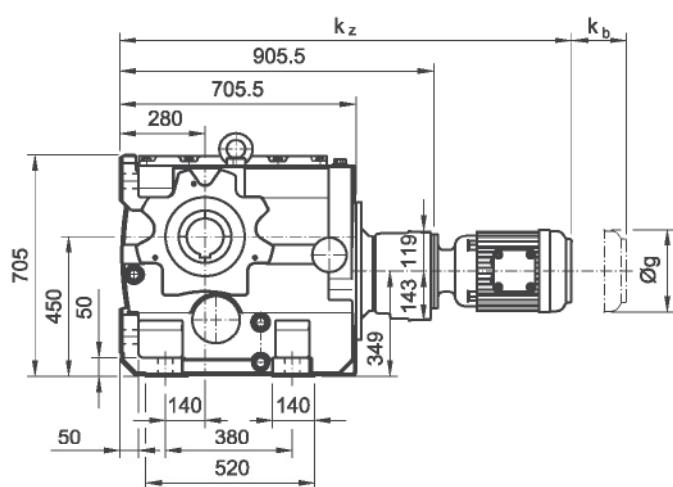
SKZ..96C-U

100 - 280

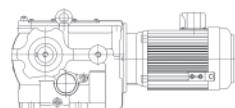


SKZ..96C36B/C

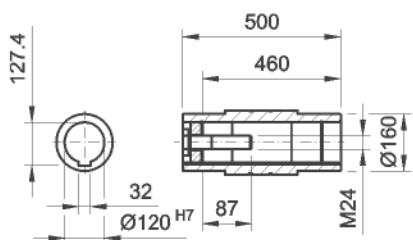
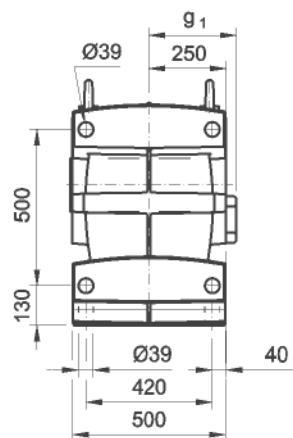
63 - 160



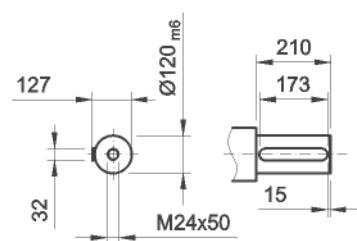
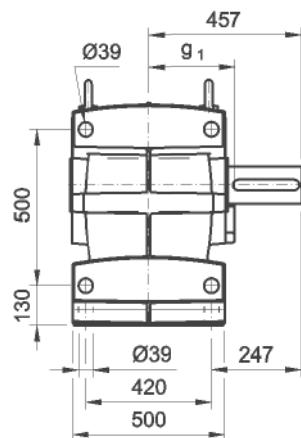
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1072	1159	1059	1229	1229	1289	1289						
ku					1153	1170	1209	1247	1390	1434	1549	1587	1676	1765	11795	1885	1991	1991
kz		1199	1260	1260	1266	1293	1379	1379										
kc																		
kb	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	



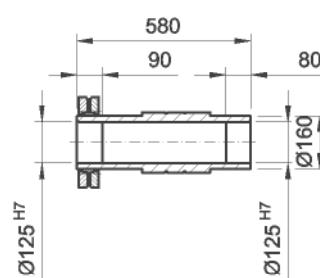
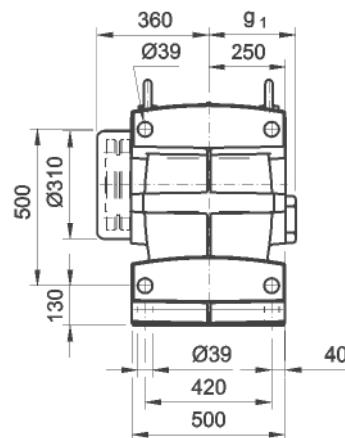
SKZH96..



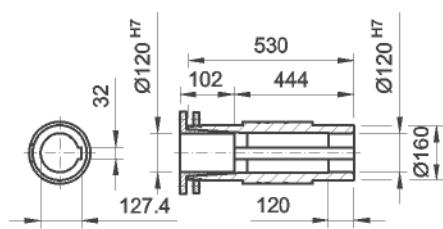
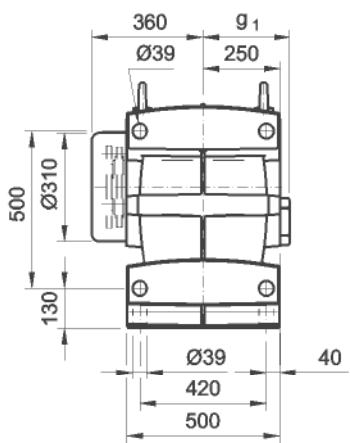
SKZN96..



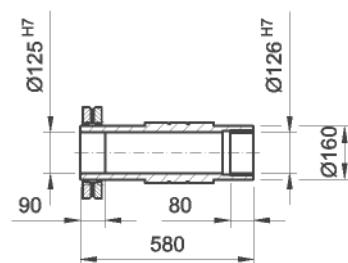
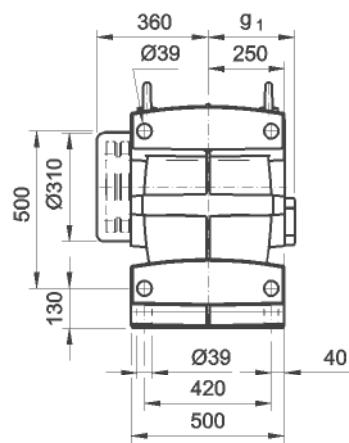
SKZS96..

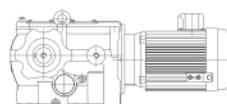


SKZB96..



SKZC96..

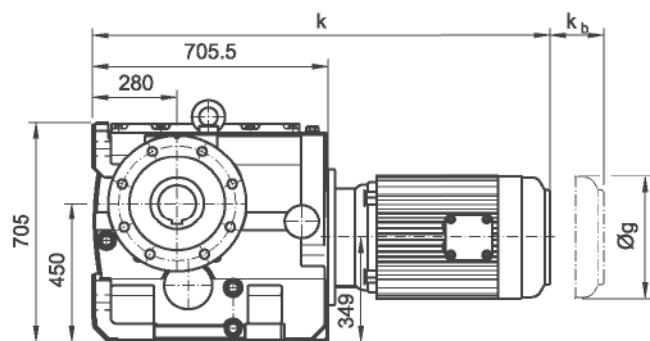




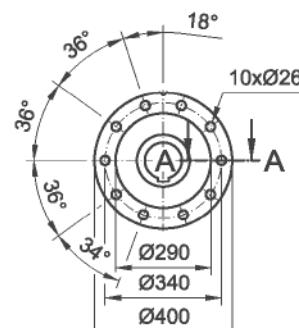
6. SK4

SKT..96C

100 - 225

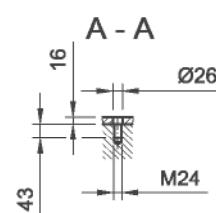
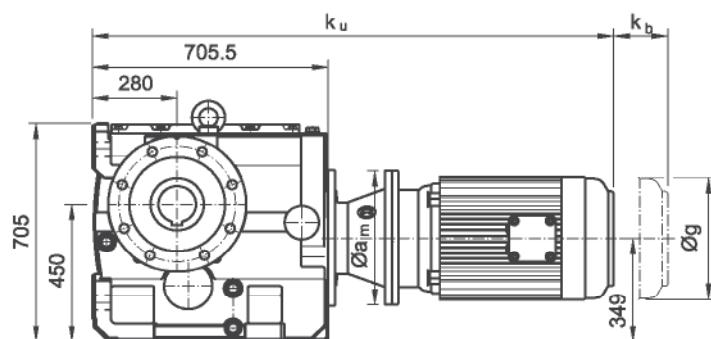


SKT..96..



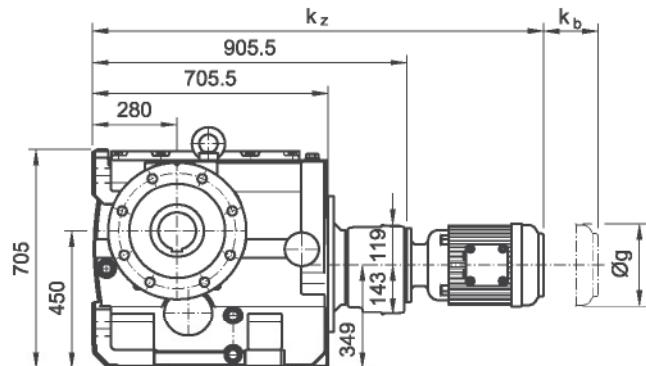
SKT..96C-U

100 - 280

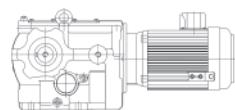


SKT..96C36B/C

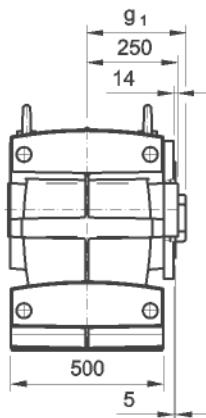
63 - 160



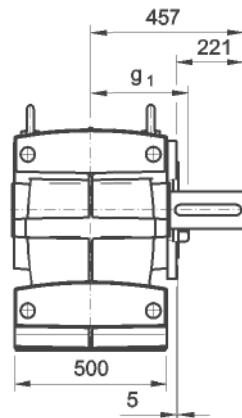
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	
k							1072	1159	1059	1229	1229	1289	1289						
k _u							1153	1170	1209	1247	1390	1434	1549	1587	1676	1765	1795	1885	1991
k _z			1199	1260	1260	1266	1293	1379	1379										
k _c																			
k _b	56	89	101	101	90	89	109	128	128	128	151	151							
Øg	139	156	174	174	196	213	255	255	314	314	354	354							
g ₁	102	125	133	133	144	165	182	182	287	287	312	312							
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550	



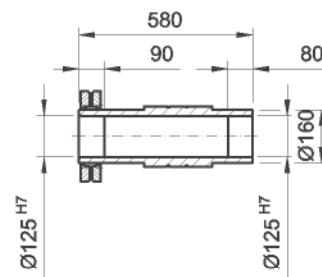
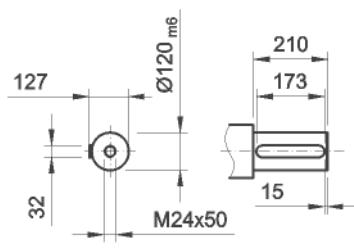
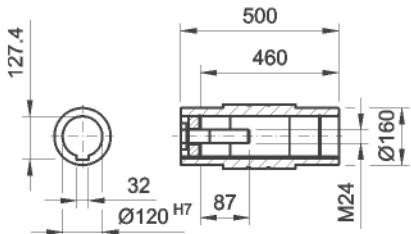
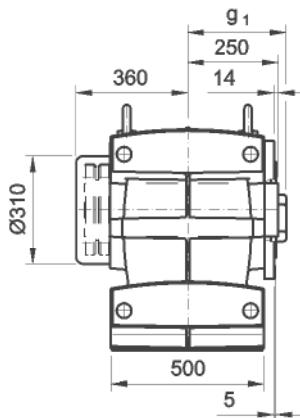
SKTH96..



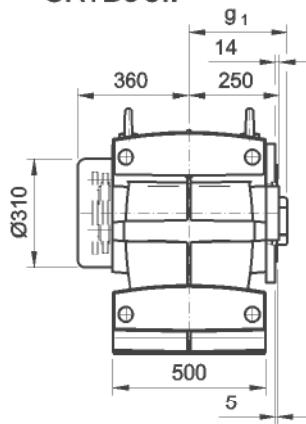
SKTN96..



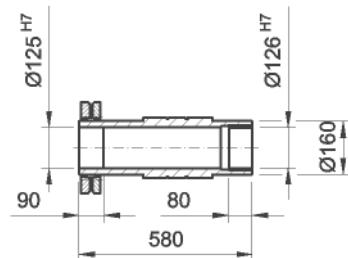
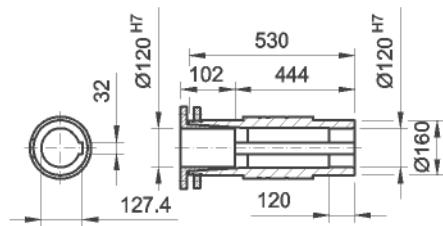
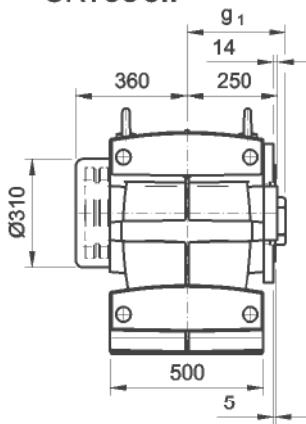
SKTS96..

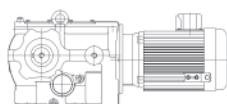


SKTB96..



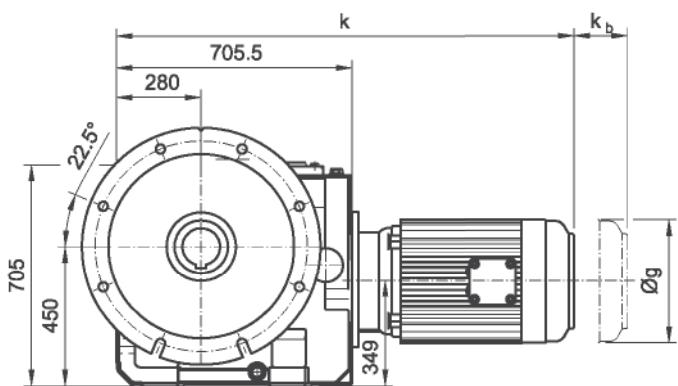
SKTC96..



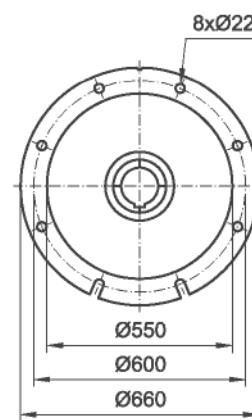


6. SK4

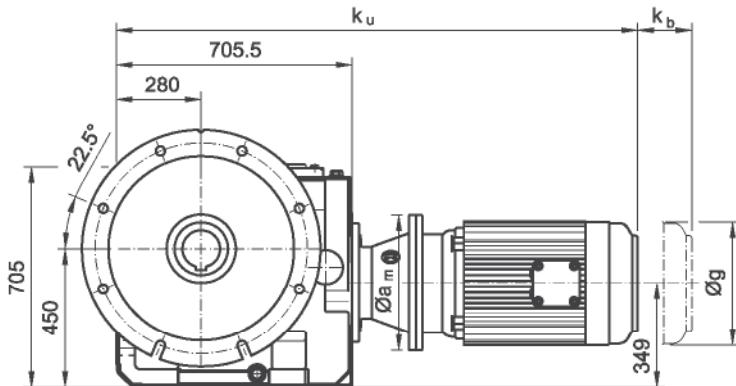
SKF..96C
100 - 225



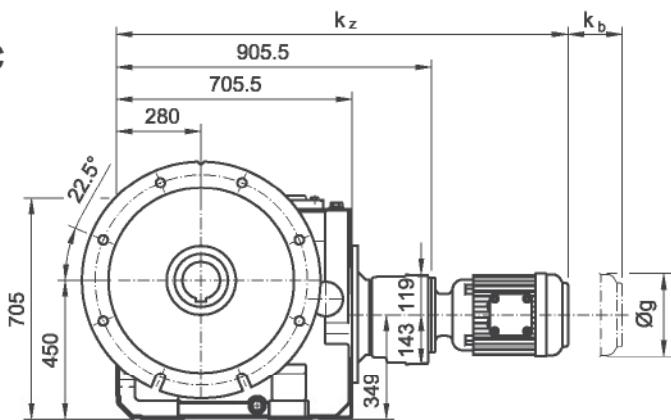
SKF..96..



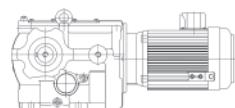
SKF..96C-U
100 - 280



SKF..96C36B/C
63 - 160

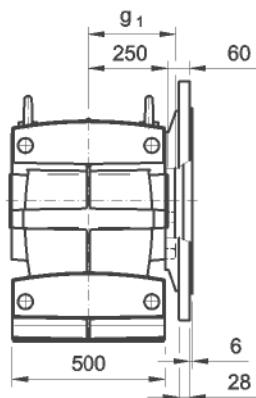


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k						1072	1159	1059	1229	1229	1289	1289						
ku					1153	1170	1209	1247	1390	1434	1549	1587	1676	1765	1795	1885	1991	1991
kz		1199	1260	1260	1266	1293	1379	1379										
kc																		
kb	56	89	101	101	90	89	109	128	128	128	151	151						
øg	139	156	174	174	196	213	255	255	314	314	354	354						
g1	102	125	133	133	144	165	182	182	287	287	312	312						
øam					250	250	300	300	350	350	350	350	400	450	450	550	550	550

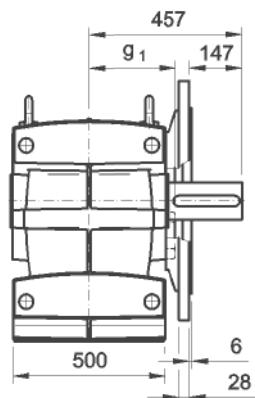


6. SK4

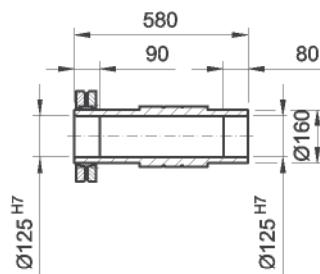
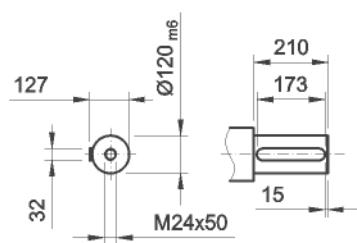
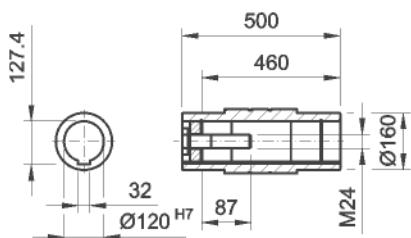
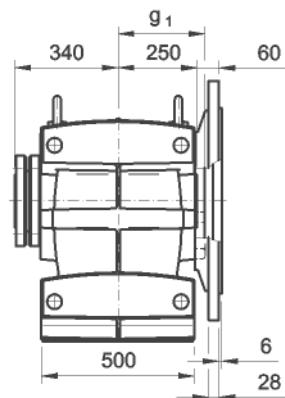
SKFH96..



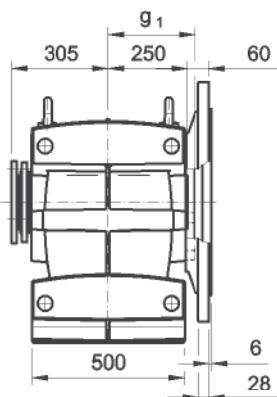
SKFN96..



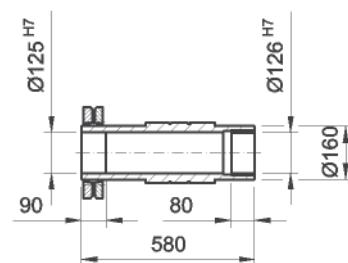
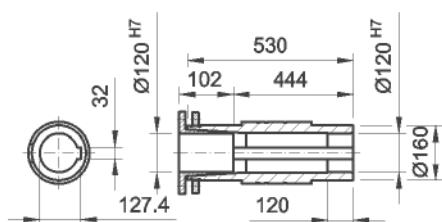
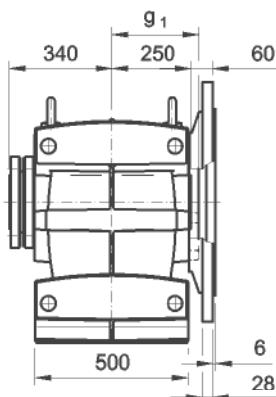
SKFS96..

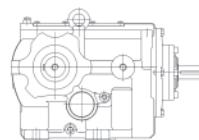


SKFB96..



SKFC96..





6. SK4

6.6 Auswahl Getriebe SK4

Selection of gear unit SK4

Sélection d'un réducteur SK4

Beispiel: Auswahltabellen Getriebe

Example: Gear unit selection table

Exemple de tableau de sélection pour réducteurs

Getriebeart und -größe Gear unit type and size Type et taille du réducteur			Abmessungen Seite Dimensional drawings Cotes latérales															
			Gewichte Weights Poids															
			Max. Nenndrehmoment Max. rated torque Couple nominal maxi.															
SK..16			Type SK..16... -I SK..16... -U	m [kg] 25 27 S 125...	M193													
Type	...	n _{syn} =	1500 min ⁻¹	1000 1/min	750 1/min													
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	
2.8																		
3.15																		
3.55	3.47	433	4.0	88	2610			289	4.0	132	2690			216	3.7	165	2770	
4	3.97	378	4.0	101	2630			252	4.0	152	2640			189	3.3	165	2910	
4.5	4.26	352	4.1	112	2650			235	4.1	165	2700			176	3.0	165	3080	
5	4.90	306	4.0	125	2670			204	3.5	165	2840			153	2.6	165	3280	
5.6	5.67	265	4.0	144	2620			177	3.0	165	3000			132	2.3	165	3460	

Zulässige Radialkraft für verstärkte Lagerung

Permissible radial force for reinforced bearings

Force radiale admissible pour paliers

support renforcés

Zulässige Radialkraft

Permissible radial force

Force radiale admissible

Drehmoment an der Abtriebswelle

Torque at output shaft

Couple au niveau de l'arbre de sortie

Mechanische Nennleistung des Getriebes

Mechanical rated power of gear unit

Puissance nominale mécanique du réducteur

Auswahldrehzahl der Abtriebswelle

Selection speed of output shaft

Vitesse de l'arbre de sortie

Exakte Übersetzung

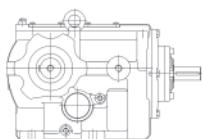
Exact gear ratio

Valeur exacte du rapport de démultiplication

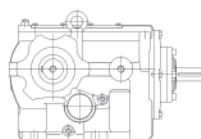
Nenn Übersetzung

Rated gear ratio

Réduction nominale

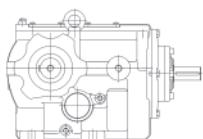


SK..26			Type SK...26... -I SK...26... -U			m [kg] 20 22				M193		440 Nm					
Type	...	n _{syn} = i _{ex}	1500 min ⁻¹					1000 1/min					750 1/min				
			n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
SK...26C...	7.1	7.19	209	5.5	250	2000	8000	139	3.6	250	2500	8000	104	2.7	250	3000	8000
	8	8.25	182	5.0	260	2000	8000	121	3.3	260	2500	8000	91	2.5	260	3000	8000
	9	8.84	170	4.8	270	2000	8000	113	3.2	270	3000	8000	85	2.4	270	3500	8000
	10	10.17	147	4.3	280	2500	8000	98	2.9	280	3000	8000	74	2.2	280	3500	8000
	11.2	11.76	128	3.9	290	2500	8000	85	2.6	290	3000	8000	64	1.9	290	3500	8000
	12.5	12.48	120	4.9	390	1500	6900	80	3.3	390	2000	6900	60	2.5	390	3000	6900
	14	14.31	105	4.4	400	2000	6900	70	3.0	400	2500	6900	52	2.2	400	3000	6900
	16	15.34	98	4.2	415	2000	6900	65	2.9	415	2500	6900	49	2.1	415	3500	6900
	18	17.65	85	3.8	430	2000	6900	57	2.6	430	3000	6900	42	1.9	430	3500	6900
	20	20.40	74	3.4	440	2500	6900	49	2.3	440	3000	6900	37	1.7	440	4000	6900
	22.4	21.99	68	3.1	440	2500	6900	45	2.1	440	3500	6900	34	1.6	440	4000	6900
	25	23.74	63	2.9	440	3000	6900	42	2.0	440	3500	6900	32	1.5	440	4500	6900
	28	27.86	54	2.5	440	3000	6900	36	1.7	440	4000	6900	27	1.3	440	4500	6900
	31.5	30.30	50	2.3	440	3500	6900	33	1.5	440	4500	6900	25	1.2	440	4500	6900
	35.5	36.24	41	1.9	440	3500	6900	28	1.3	440	4500	6900	21	1.0	440	4500	6900
	40	39.90	38	1.8	440	4000	6900	25	1.2	440	4500	6900	19	0.87	440	4500	6900
	45	44.17	34	1.6	440	4000	6900	23	1.1	440	4500	6900	17	0.78	440	4500	6900
	50	49.21	30	1.4	440	4500	6900	20	0.94	440	4500	6900	15	0.70	440	4500	6900
	56	55.25	27	1.3	440	4500	6900	18	0.83	440	4500	6900	14	0.63	440	4500	6900
	63	61.51	24	1.1	440	4500	6900	16	0.75	440	4500	6900	12	0.56	440	4500	6900
	71	68.78	22	1.0	440	4500	6900	15	0.67	440	4500	6900	11	0.50	440	4500	6900
	80	79.96	19	0.86	440	4500	6900	13	0.58	440	4500	6900	9.4	0.43	440	4500	6900
	90	89.08	17	0.78	440	4500	6900	11	0.52	440	4500	6900	8.4	0.39	440	4500	6900
	100	100.2	15	0.69	440	4500	6900	10.0	0.46	440	4500	6900	7.5	0.35	440	4500	6900
	112	110.7	14	0.62	440	4500	6900	9.0	0.42	440	4500	6900	6.8	0.31	440	4500	6900
	125	122.9	12	0.56	440	4500	6900	8.1	0.38	440	4500	6900	6.1	0.28	440	4500	6900
	140	137.8	11	0.50	440	4500	6900	7.3	0.33	440	4500	6900	5.4	0.25	440	4500	6900
	160																
	180																
	200																
SK...26C16B...	160	154.5	10	0.45	440	4500	6900	6.5	0.30	440	4500	6900	4.9	0.23	440	4500	6900
	180	177.8	8.4	0.39	440	4500	6900	5.6	0.26	440	4500	6900	4.2	0.20	440	4500	6900
	200	205.6	7.3	0.34	440	4500	6900	4.9	0.23	440	4500	6900	3.6	0.17	440	4500	6900
	224	221.6	6.8	0.31	440	4500	6900	4.5	0.21	440	4500	6900	3.4	0.16	440	4500	6900
	250	239.2	6.3	0.29	440	4500	6900	4.2	0.20	440	4500	6900	3.1	0.15	440	4500	6900
	280	280.6	5.3	0.25	440	4500	6900	3.6	0.17	440	4500	6900	2.7	0.13	440	4500	6900
	315	305.4	4.9	0.23	440	4500	6900	3.3	0.15	440	4500	6900	2.5	0.12	440	4500	6900
	355	365.2	4.1	0.19	440	4500	6900	2.7	0.13	440	4500	6900	2.1	0.10	440	4500	6900
	400	402.0	3.7	0.17	440	4500	6900	2.5	0.12	440	4500	6900	1.9	0.09	440	4500	6900
	450	445.0	3.4	0.16	440	4500	6900	2.2	0.11	440	4500	6900	1.7	0.08	440	4500	6900
	500	495.8	3.0	0.14	440	4500	6900	2.0	0.10	440	4500	6900	1.5	0.07	440	4500	6900
	560	556.8	2.7	0.13	440	4500	6900	1.8	0.09	440	4500	6900	1.3	0.06	440	4500	6900
	630	619.6	2.4	0.11	440	4500	6900	1.6	0.08	440	4500	6900	1.2	0.06	440	4500	6900
	710	693.1	2.2	0.10	440	4500	6900	1.4	0.07	440	4500	6900	1.1	0.05	440	4500	6900
	800	805.7	1.9	0.09	440	4500	6900	1.2	0.06	440	4500	6900	0.9	0.05	440	4500	6900
	900	897.6	1.7	0.08	440	4500	6900	1.1	0.05	440	4500	6900	0.8	0.04	440	4500	6900
	1000	999.9	1.5	0.07	440	4500	6900	1.0	0.05	440	4500	6900	0.8	0.04	440	4500	6900
	1120	1115	1.3	0.06	440	4500	6900	0.9	0.04	440	4500	6900	0.7	0.03	440	4500	6900
	1250	1204	1.2	0.06	440	4500	6900	0.8	0.04	440	4500	6900	0.6	0.03	440	4500	6900

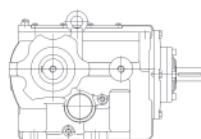


6. SK4

SK..36			Type SK...36... -I	m [kg] 33		M204		800 Nm									
Type	...	n _{syn} =	1500 min ⁻¹					1000 1/min					750 1/min				
			i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N
SK...36V...	7.1																
	8	7.82	192	7.7	385	3000	13000	128	5.2	385	3500	15000	96	3.9	385	4500	15500
	9	8.72	172	7.4	410	3000	13500	115	4.9	410	4000	15500	86	3.7	410	4500	15500
	10	10.29	146	6.6	435	3000	14000	97	4.4	435	4000	15500	73	3.3	435	4500	15500
	11.2	11.53	130	6.1	450	3500	14500	87	4.1	450	4000	15500	65	3.1	450	5000	15500
	12.5	12.95	116	5.7	470	3500	14500	77	3.8	470	4000	15500	58	2.9	470	5000	15500
	14	13.99	107	7.5	670	1000	13500	71	5.0	670	2000	13500	54	3.8	670	2500	13500
	16	15.60	96	7.0	700	1000	13500	64	4.7	700	2000	13500	48	3.5	700	3000	13500
	18	18.41	81	6.2	730	1500	13500	54	4.2	730	2500	13500	41	3.1	730	3000	13500
	20	20.62	73	5.8	760	1500	13500	48	3.9	760	2500	13500	36	2.9	760	3500	13500
	22.4	23.18	65	5.4	790	2000	13500	43	3.6	790	3000	13500	32	2.7	790	4000	13500
	25	24.61	61	5.1	800	2000	13500	41	3.4	800	3500	13500	30	2.6	800	4000	13500
	28	29.67	51	4.2	800	2500	13500	34	2.8	800	3500	13500	25	2.1	800	4500	13500
	31.5	31.68	47	4.0	800	3000	13500	32	2.7	800	4000	13500	24	2.0	800	4500	13500
	35.5	36.34	41	3.5	800	3000	13500	28	2.3	800	4500	13500	21	1.8	800	4500	13500
	40	42.09	36	3.0	800	3500	13500	24	2.0	800	4500	13500	18	1.5	800	4500	13500
	45	45.51	33	2.8	800	4000	13500	22	1.9	800	4500	13500	16	1.4	800	4500	13500
	50	52.91	28	2.4	800	4000	13500	19	1.6	800	4500	13500	14	1.2	800	4500	13500
	56	58.91	25	2.2	800	4500	13500	17	1.4	800	4500	13500	13	1.1	800	4500	13500
	63	64.86	23	2.0	800	4500	13500	15	1.3	800	4500	13500	12	0.97	800	4500	13500
	71	71.90	21	1.8	800	4500	13500	14	1.2	800	4500	13500	10	0.87	800	4500	13500
	80	80.34	19	1.6	800	4500	13500	12	1.1	800	4500	13500	9.3	0.78	800	4500	13500
	90	89.02	17	1.4	800	4500	13500	11	0.94	800	4500	13500	8.4	0.71	800	4500	13500
	100	99.2	15	1.3	800	4500	13500	10.1	0.85	800	4500	13500	7.6	0.63	800	4500	13500
	112	114.1	13	1.1	800	4500	13500	8.8	0.73	800	4500	13500	6.6	0.55	800	4500	13500
	125	128.1	12	0.98	800	4500	13500	7.8	0.65	800	4500	13500	5.9	0.49	800	4500	13500
	140	143.7	10	0.88	800	4500	13500	7.0	0.58	800	4500	13500	5.2	0.44	800	4500	13500
	160																
	180																
	200																
SK...36C16B...	160	161.4	9	0.78	800	4500	13500	6.2	0.52	800	4500	13500	4.6	0.39	800	4500	13500
	180	172.9	8.7	0.73	800	4500	13500	5.8	0.48	800	4500	13500	4.3	0.36	800	4500	13500
	200	199.0	7.5	0.63	800	4500	13500	5.0	0.42	800	4500	13500	3.8	0.32	800	4500	13500
	224	230.0	6.5	0.55	800	4500	13500	4.3	0.36	800	4500	13500	3.3	0.28	800	4500	13500
	250	248.0	6.0	0.51	800	4500	13500	4.0	0.34	800	4500	13500	3.0	0.26	800	4500	13500
	280	267.7	5.6	0.47	800	4500	13500	3.7	0.31	800	4500	13500	2.8	0.24	800	4500	13500
	315	314.0	4.8	0.40	800	4500	13500	3.2	0.27	800	4500	13500	2.4	0.20	800	4500	13500
	355	341.8	4.4	0.37	800	4500	13500	2.9	0.25	800	4500	13500	2.2	0.19	800	4500	13500
	400	408.7	3.7	0.31	800	4500	13500	2.4	0.21	800	4500	13500	1.8	0.16	800	4500	13500
	450	449.8	3.3	0.28	800	4500	13500	2.2	0.19	800	4500	13500	1.7	0.14	800	4500	13500
	500	498.0	3.0	0.25	800	4500	13500	2.0	0.17	800	4500	13500	1.5	0.13	800	4500	13500
	560	554.9	2.7	0.23	800	4500	13500	1.8	0.15	800	4500	13500	1.4	0.12	800	4500	13500
	630	623.0	2.4	0.20	800	4500	13500	1.6	0.14	800	4500	13500	1.2	0.10	800	4500	13500
	710	693.4	2.2	0.18	800	4500	13500	1.4	0.12	800	4500	13500	1.1	0.09	800	4500	13500
	800	775.6	1.9	0.16	800	4500	13500	1.3	0.11	800	4500	13500	1.0	0.08	800	4500	13500
	900	901.6	1.7	0.14	800	4500	13500	1.1	0.10	800	4500	13500	0.8	0.07	800	4500	13500
	1000	1004.0	1.5	0.13	800	4500	13500	1.0	0.09	800	4500	13500	0.7	0.07	800	4500	13500
	1120	1161	1.3	0.11	800	4500	13500	0.9	0.07	800	4500	13500	0.6	0.06	800	4500	13500
	1250	1248	1.2	0.10	800	4500	13500	0.8	0.07	800	4500	13500	0.6	0.05	800	4500	13500

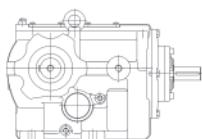


SK..46			Type SK...46... -I		m [kg] 55						1600 Nm					
Type	...	n _{syn} = i _{ex}	1500 min ⁻¹					1000 1/min					750 1/min			
			n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N
7.1																
8	7.66	196	11.0	540	4000	14500	131	7.4	540	4500	15500	98	5.5	540	5000	16500
9	8.89	169	10.0	580	4000	14500	112	6.8	580	4000	15500	84	5.1	580	5000	17000
10	9.95	151	9.6	610	4000	14500	101	6.4	610	4500	16000	75	4.8	610	5000	17500
11.2	11.39	132	8.8	640	4000	15000	88	5.9	640	4500	16500	66	4.4	640	5000	18000
12.5	12.50	120	8.4	670	4000	15000	80	5.6	670	4500	17000	60	4.2	670	5500	18000
14	13.87	108	12.0	1050	2000	14500	72	7.9	1050	2000	16500	54	5.9	1050	2000	17500
16	16.10	93	10.5	1100	2000	15000	62	7.2	1100	2000	17000	47	5.4	1100	2500	18000
18	18.02	83	10.0	1160	2000	16000	55	6.7	1160	2500	17500	42	5.1	1160	2500	18000
20	20.63	73	9.3	1220	2000	16500	48	6.2	1220	2500	18000	36	4.6	1220	2500	18000
22.4	22.64	66	8.9	1280	2000	17000	44	5.9	1280	2500	18000	33	4.4	1280	2500	18000
25	26.15	57	8.1	1350	2500	17500	38	5.4	1350	2500	18000	29	4.1	1350	3000	18000
28	28.91	52	7.7	1410	2500	18000	35	5.1	1410	3000	18000	26	3.8	1410	3500	18000
31.5	32.09	47	7.1	1450	2500	18000	31	4.7	1450	3000	18000	23	3.5	1450	3500	18000
35.5	34.37	44	6.8	1480	2500	18000	29	4.5	1480	3000	18000	22	3.4	1480	4000	18000
40	40.19	37	6.1	1570	2500	18000	25	4.1	1570	3500	18000	19	3.1	1570	4500	18000
45	43.29	35	5.8	1600	3000	18000	23	3.9	1600	4000	18000	17	2.9	1600	5000	18000
50	49.15	31	5.1	1600	3000	18000	20	3.4	1600	4500	18000	15	2.6	1600	5500	18000
56	55.67	27	4.5	1600	3500	18000	18	3.0	1600	5000	18000	13	2.3	1600	5500	18000
63	60.70	25	4.1	1600	4000	18000	16	2.8	1600	5500	18000	12	2.1	1600	5500	18000
71	70.26	21	3.6	1600	4500	18000	14	2.4	1600	5500	18000	11	1.8	1600	5500	18000
80	77.59	19	3.2	1600	4500	18000	13	2.2	1600	5500	18000	9.7	1.6	1600	5500	18000
90	92.82	16	2.7	1600	5500	18000	11	1.8	1600	5500	18000	8.1	1.4	1600	5500	18000
100	103.4	15	2.5	1600	5500	18000	9.7	1.6	1600	5500	18000	7.3	1.2	1600	5500	18000
112	114.3	13	2.2	1600	5500	18000	8.7	1.5	1600	5500	18000	6.6	1.1	1600	5500	18000
125	127.0	12	2.00	1600	5500	18000	7.9	1.3	1600	5500	18000	5.9	1.0	1600	5500	18000
140	133.9	11	1.70	1460	5500	18000	7.5	1.2	1460	5500	18000	5.6	0.86	1460	5500	18000
160	147.2	10	1.6	1460	5500	18000	6.8	1.1	1460	5500	18000	5.1	0.8	1460	5500	18000
180	182.6	8	1.2	1370	5500	18000	5.5	0.79	1370	5500	18000	4.1	0.6	1370	5500	18000
200																
160																
180																
200	196.6	7.6	1.3	1600	5500	18000	5.1	0.85	1600	5500	18000	3.8	0.64	1600	5500	18000
224	225.4	6.7	1.1	1600	5500	18000	4.4	0.74	1600	5500	18000	3.3	0.56	1600	5500	18000
250	241.5	6.2	1.1	1600	5500	18000	4.1	0.69	1600	5500	18000	3.1	0.52	1600	5500	18000
280	277.9	5.4	0.90	1600	5500	18000	3.6	0.60	1600	5500	18000	2.7	0.45	1600	5500	18000
315	321.3	4.7	0.78	1600	5500	18000	3.1	0.52	1600	5500	18000	2.3	0.39	1600	5500	18000
355	346.4	4.3	0.73	1600	5500	18000	2.9	0.48	1600	5500	18000	2.2	0.36	1600	5500	18000
400	409.4	3.7	0.61	1600	5500	18000	2.4	0.41	1600	5500	18000	1.8	0.31	1600	5500	18000
450	438.5	3.4	0.57	1600	5500	18000	2.3	0.38	1600	5500	18000	1.7	0.29	1600	5500	18000
500	477.4	3.1	0.53	1600	5500	18000	2.1	0.35	1600	5500	18000	1.6	0.27	1600	5500	18000
560	570.8	2.6	0.44	1600	5500	18000	1.8	0.30	1600	5500	18000	1.3	0.22	1600	5500	18000
630	628.2	2.4	0.40	1600	5500	18000	1.6	0.27	1600	5500	18000	1.2	0.20	1600	5500	18000
710	723.6	2.1	0.35	1600	5500	18000	1.4	0.23	1600	5500	18000	1.0	0.18	1600	5500	18000
800	812.5	1.8	0.31	1600	5500	18000	1.2	0.21	1600	5500	18000	0.9	0.16	1600	5500	18000
900	904.2	1.7	0.28	1600	5500	18000	1.1	0.19	1600	5500	18000	0.8	0.14	1600	5500	18000
1000	1011.0	1.5	0.25	1600	5500	18000	1.0	0.17	1600	5500	18000	0.7	0.13	1600	5500	18000
1120	1083	1.4	0.23	1600	5500	18000	0.9	0.16	1600	5500	18000	0.7	0.12	1600	5500	18000
1250	1259	1.2	0.20	1600	5500	18000	0.8	0.14	1600	5500	18000	0.6	0.10	1600	5500	18000



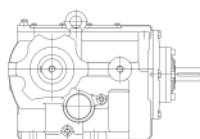
6. SK4

SK..56			Type SK..56... -I SK..56... -U		m [kg] 96 110		M216		2900 Nm								
Type	...	n _{syn} = i _{ex}	1500 min ⁻¹					1000 1/min					750 1/min				
			n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
SK...56C...	7.1																
	8	8.43	178	22	1150	4000	16500	119	15	1150	4500	17500	89	11	1150	4500	18500
	9	9.04	166	21	1200	4000	16500	111	14	1200	4500	17500	83	11	1200	5000	19000
	10	10.13	148	20	1250	4000	16500	99	13	1250	4500	17500	74	9.7	1250	5000	19500
	11.2	11.66	129	18	1300	3500	16500	86	12	1300	4500	18000	64	8.8	1300	5000	20000
	12.5	13.22	113	17	1400	3500	16500	76	11	1400	4500	18000	57	8.3	1400	5000	20500
	14	14.36	104	22	1950	1500	19000	70	14	1950	1500	21000	52	10.5	1950	1500	22500
	16	15.40	97	21	2050	1500	19500	65	14	2050	1500	22000	49	10.5	2050	1500	24000
	18	17.27	87	20	2150	1500	20500	58	13	2150	2000	23000	43	9.8	2150	2000	24500
	20	19.88	75	18	2200	1500	21000	50	12	2200	2000	23500	38	8.7	2200	2000	25500
	22.4	22.53	67	16	2300	1500	21500	44	11	2300	2000	24500	33	8.0	2300	2000	26500
	25	25.35	59	15	2400	3000	23500	39	9.9	2400	2000	25000	30	7.4	2400	2500	27000
	28	29.06	52	14	2500	2500	24000	34	9.0	2500	2000	26000	26	6.8	2500	3000	27000
	31.5	32.07	47	13	2600	2000	24000	31	8.5	2600	2000	27000	23	6.4	2600	3500	27000
	35.5	35.29	43	12	2650	2000	25000	28	7.9	2650	2500	27000	21	5.9	2650	4000	27000
	40	39.75	38	11	2700	2000	25500	25	7.1	2700	3500	27000	19	5.3	2700	5000	27000
	45	44.10	34	10	2800	2000	26500	23	6.6	2800	4000	27000	17	5.0	2800	5500	27000
	50	50.51	30	9.0	2900	2500	27000	20	6.0	2900	4500	27000	15	4.5	2900	6000	27000
	56	59.31	25	7.7	2900	3500	27000	17	5.1	2900	6000	27000	13	3.8	2900	7500	27000
	63	63.47	24	7.2	2900	4500	27000	16	4.8	2900	6500	27000	12	3.6	2900	7500	27000
	71	70.89	21	6.4	2900	4500	27000	14	4.3	2900	6500	27000	11	3.2	2900	7500	27000
	80	80.88	19	5.6	2900	4500	27000	12	3.8	2900	7500	27000	9.3	2.8	2900	7500	27000
	90	87.69	17	5.2	2900	5500	27000	11	3.5	2900	7500	27000	8.6	2.6	2900	7500	27000
	100	101.2	15	4.5	2900	6000	27000	9.9	3.0	2900	7500	27000	7.4	2.3	2900	7500	27000
	112	111.2	13	4.1	2900	6500	27000	9.0	2.8	2900	7500	27000	6.7	2.1	2900	7500	27000
	125	132.7	11	3.40	2900	7500	27000	7.5	2.3	2900	7500	27000	5.7	1.7	2900	7500	27000
	140	148.7	10	3.10	2900	7500	27000	6.7	2.1	2900	7500	27000	5.0	1.6	2900	7500	27000
	160																
	180																
	200																
SK...56C16B...	160	166.2	9	2.35	2500	7500	27000	6.0	1.6	2500	7500	27000	4.5	1.2	2500	7500	27000
	180	183.4	8.2	2.25	2600	7500	27000	5.5	1.5	2600	7500	27000	4.1	1.1	2600	7500	27000
	200	201.9	7.4	2.1	2650	7500	27000	5.0	1.4	2650	7500	27000	3.7	1.1	2650	7500	27000
	224	227.4	6.6	1.9	2700	7500	27000	4.4	1.3	2700	7500	27000	3.3	0.93	2700	7500	27000
	250	252.2	5.9	1.8	2800	7500	27000	4.0	1.2	2800	7500	27000	3.0	0.87	2800	7500	27000
	280	289.2	5.2	1.5	2800	7500	27000	3.5	1.0	2800	7500	27000	2.6	0.76	2800	7500	27000
	315	309.9	4.8	1.4	2800	7500	27000	3.2	0.95	2800	7500	27000	2.4	0.71	2800	7500	27000
	355	356.6	4.2	1.3	2800	7500	27000	2.8	0.82	2800	7500	27000	2.1	0.62	2800	7500	27000
	400	412.3	3.6	1.1	2800	7500	27000	2.4	0.71	2800	7500	27000	1.8	0.53	2800	7500	27000
	450	444.5	3.4	0.99	2800	7500	27000	2.2	0.66	2800	7500	27000	1.7	0.50	2800	7500	27000
	500	479.8	3.1	0.92	2800	7500	27000	2.1	0.61	2800	7500	27000	1.6	0.46	2800	7500	27000
	560	562.7	2.7	0.78	2800	7500	27000	1.8	0.52	2800	7500	27000	1.3	0.39	2800	7500	27000
	630	612.5	2.4	0.72	2800	7500	27000	1.6	0.48	2800	7500	27000	1.2	0.36	2800	7500	27000
	710	732.5	2.0	0.60	2800	7500	27000	1.4	0.40	2800	7500	27000	1.0	0.30	2800	7500	27000
	800	806.1	1.9	0.55	2800	7500	27000	1.2	0.36	2800	7500	27000	0.9	0.28	2800	7500	27000
	900	892.5	1.7	0.49	2800	7500	27000	1.1	0.33	2800	7500	27000	0.8	0.25	2800	7500	27000
	1000	994.4	1.5	0.44	2800	7500	27000	1.0	0.30	2800	7500	27000	0.8	0.22	2800	7500	27000
	1120	1117	1.3	0.39	2800	7500	27000	0.9	0.26	2800	7500	27000	0.7	0.20	2800	7500	27000
	1250	1243	1.2	0.35	2800	7500	27000	0.8	0.24	2800	7500	27000	0.6	0.18	2800	7500	27000



SK..66			Type SK...66... -I SK...66... -U				m [kg] 195 262		M222		4900 Nm						
Type	...	n _{syn} = i _{ex}	1500 min ⁻¹					1000 1/min					750 1/min				
			n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
7.1																	
8																	
9	9.14	164	42(1)	2450	5500	26000	109	28	2450	4500	27000	82	21	2450	5000	28000	
10	9.80	153	39(1)	2450	4500	26000	102	26	2450	5000	27500	77	20	2450	5500	28500	
11.2	10.98	137	35(1)	2450	4500	26000	91	24	2450	5000	28000	68	18	2450	6000	30500	
12.5	12.64	119	30(1)	2450	4500	26500	79	21	2450	5500	28500	59	15	2450	6500	31500	
14	14.33	105	27	2450	5000	27000	70	18	2450	6000	29500	52	14	2450	7000	33000	
16	16.12	93	24	2450	5000	27500	62	16	2450	6500	31000	47	12	2450	8000	37500	
18	18.24	82	40(1)	4630	-	22500	55	28	4900	-	27000	41	21	4900	2500	30500	
20	19.55	77	38(1)	4670	-	24000	51	26	4900	1500	28000	38	20	4900	3000	32000	
22.4	21.93	68	34(1)	4760	-	25000	46	24	4900	2000	29500	34	18	4900	3500	33500	
25	25.24	59	30(1)	4830	-	26000	40	21	4900	2500	31000	30	15	4900	4500	35000	
28	28.61	52	27(1)	4880	1000	27500	35	18	4900	3500	32500	26	14	4900	5000	36500	
31.5	32.18	47	24	4900	1500	29000	31	16	4900	4000	34500	23	12	4900	6000	38500	
35.5	36.90	41	21	4900	2500	30500	27	14	4900	5000	36000	20	11	4900	7000	40000	
40	40.72	37	19	4900	3000	32000	25	13	4900	5500	37500	18	9.5	4900	7500	40000	
45	44.81	33	17	4900	3500	33500	22	12	4900	6500	39500	17	8.6	4900	8500	40000	
50	50.48	30	15	4900	4500	35000	20	10	4900	7000	40000	15	7.6	4900	9500	40000	
56	55.99	27	14	4900	5000	36500	18	9.2	4900	8000	40000	13	6.9	4900	10500	40000	
63	64.14	23	12	4900	6000	38500	16	8.0	4900	9000	40000	12	6.0	4900	11500	40000	
71	75.31	20	10	4900	7000	40000	13	6.8	4900	10000	40000	10	5.1	4900	12500	40000	
80	80.59	19	9.5	4900	7500	40000	12	6.4	4900	11000	40000	9.3	4.8	4900	13500	40000	
90	90.02	17	8.5	4900	8500	40000	11	5.7	4900	12000	40000	8.3	4.3	4900	13500	40000	
100	102.7	15	7.5	4900	9500	40000	9.7	5.0	4900	13000	40000	7.3	3.7	4900	13500	40000	
112	111.3	13	6.9	4900	10500	40000	9.0	4.6	4900	13500	40000	6.7	3.5	4900	13500	40000	
125	128.5	12	6.0	4900	11500	40000	7.8	4.0	4900	13500	40000	5.8	3.0	4900	13500	40000	
140	141.2	11	5.5	4900	12500	40000	7.1	3.6	4900	13500	40000	5.3	2.8	4900	13500	40000	
160	168.4	8.9	4.6	4900	13500	40000	5.9	3.0	4900	13500	40000	4.5	2.3	4900	13500	40000	
180	188.8	7.9	4.1	4900	13500	40000	5.3	2.7	4900	13500	40000	4.0	2.1	4900	13500	40000	
200																	
160																	
180																	
200	211.1	7.1	3.6	4900	13500	40000	4.7	2.5	4900	13500	40000	3.6	1.8	4900	13500	40000	
224	232.9	6.4	3.3	4900	13500	40000	4.3	2.2	4900	13500	40000	3.2	1.7	4900	13500	40000	
250	259.3	5.8	3.0	4900	13500	40000	3.9	2.0	4900	13500	40000	2.9	1.5	4900	13500	40000	
280	286.1	5.2	2.7	4900	13500	40000	3.5	1.8	4900	13500	40000	2.6	1.4	4900	13500	40000	
315	329.3	4.6	2.4	4900	13500	40000	3.0	1.6	4900	13500	40000	2.3	1.2	4900	13500	40000	
355	350.1	4.3	2.2	4900	13500	40000	2.9	1.5	4900	13500	40000	2.1	1.1	4900	13500	40000	
400	410.5	3.7	1.9	4900	13500	40000	2.4	1.3	4900	13500	40000	1.8	0.94	4900	13500	40000	
450	443.0	3.4	1.8	4900	13500	40000	2.3	1.2	4900	13500	40000	1.7	0.87	4900	13500	40000	
500	519.6	2.9	1.5	4900	13500	40000	1.9	0.99	4900	13500	40000	1.4	0.74	4900	13500	40000	
560	565.6	2.7	1.4	4900	13500	40000	1.8	0.91	4900	13500	40000	1.3	0.68	4900	13500	40000	
630	651.3	2.3	1.2	4900	13500	40000	1.5	0.79	4900	13500	40000	1.2	0.59	4900	13500	40000	
710	744.4	2.0	1.1	4900	13500	40000	1.3	0.69	4900	13500	40000	1.0	0.52	4900	13500	40000	
800	824.2	1.8	0.93	4900	13500	40000	1.2	0.62	4900	13500	40000	0.91	0.47	4900	13500	40000	
900	918.2	1.6	0.84	4900	13500	40000	1.1	0.56	4900	13500	40000	0.82	0.42	4900	13500	40000	
1000	1031.0	1.5	0.75	4900	13500	40000	1.0	0.50	4900	13500	40000	0.73	0.37	4900	13500	40000	
1120	1148	1.3	0.67	4900	13500	40000	0.9	0.45	4900	13500	40000	0.65	0.34	4900	13500	40000	
1250	1284	1.2	0.60	4900	13500	40000	0.8	0.40	4900	13500	40000	0.58	0.30	4900	13500	40000	

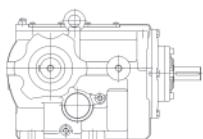
(1) Achtung. Maximale thermische Leistung beachten. Attention. Please check for max thermal power. Attention. Vérifier svp la puissance thermique maximum.



6. SK4

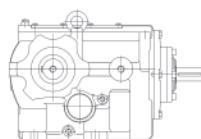
SK..76			Type SK..76... -I SK..76... -U			m [kg] 280 355		M228		8000 Nm							
Type	...	n _{syn} =	1500 min ⁻¹					1000 1/min					750 1/min				
			i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N
7.1																	
8																	
9	8.72	172	70(1)	3900	8500	36000	115	47(1)	3900	7000	36000	86	36	4000	8000	38000	
10	9.62	156	65(1)	3960	8000	36000	104	43(1)	3960	7500	37000	78	32	4000	8000	38500	
11.2	11.07	136	56(1)	3960	7000	35500	90	37(1)	3960	7500	37500	68	28	4000	8500	39000	
12.5	12.51	120	50(1)	3960	7000	36000	80	33(1)	3960	8000	38000	60	25	4000	9000	41000	
14	13.81	109	45(1)	3960	7000	36500	72	30(1)	3960	8000	41500	54	23	4000	10000	42500	
16	15.67	96	40(1)	3960	7500	37000	64	26(1)	3960	9000	40000	48	20	4000	11000	44500	
18	17.59	85	70(1)	7880	4000	34500	57	47(1)	7880	-	34500	43	36	8000	3000	39500	
20	19.40	77	65(1)	8000	2000	34000	52	43(1)	8000	1000	36500	39	32	8000	4000	41000	
22.4	22.34	67	56(1)	8000	-	32500	45	38(1)	8000	2500	38000	34	28	8000	5000	43000	
25	25.24	59	50(1)	8000	-	33500	40	33(1)	8000	3500	40000	30	25	8000	6000	45000	
28	27.86	54	45(1)	8000	-	35500	36	30	8000	4500	42000	27	23	8000	7000	47500	
31.5	31.62	47	40(1)	8000	2000	37000	32	27	8000	5500	44000	24	20	8000	8000	49500	
35.5	35.54	42	35(1)	8000	3000	39000	28	24	8000	6500	46500	21	18	8000	9500	52000	
40	39.50	38	32(1)	8000	4000	41000	25	21	8000	7500	48500	19	16	8000	10500	54500	
45	44.97	33	28	8000	5000	43500	22	19	8000	9000	51000	17	14	8000	11500	57000	
50	48.55	31	26	8000	6000	45000	21	18	8000	10000	53000	15	13	8000	13000	59500	
56	53.81	28	24	8000	7000	47500	19	16	8000	12000	55500	14	12	8000	14000	62000	
63	61.93	24	21	8000	8000	49500	16	14	8000	12500	58000	12	10	8000	15500	65000	
71	69.85	21	18	8000	9500	52000	14	12	8000	13500	61000	11	9.0	8000	17000	65000	
80	79.53	19	16	8000	10500	54500	13	11	8000	15000	63500	9.4	7.9	8000	18500	65000	
90	87.25	17	15	8000	11500	57000	11	9.6	8000	16500	65000	8.6	7.2	8000	20000	65000	
100	100.0	15	13	8000	13000	59500	10	8.4	8000	18000	65000	7.5	6.3	8000	21000	65000	
112	108.4	14	12	8000	14000	62000	9.2	7.7	8000	19500	65000	6.9	5.8	8000	21000	65000	
125	127.9	12	9.8	8000	15500	64500	7.8	6.5	8000	21000	65000	5.9	4.9	8000	21000	65000	
140	142.7	11	8.8	8000	17000	65000	7.0	5.9	8000	21000	65000	5.3	4.40	8000	21000	65000	
160	158.7	9.5	7.9	8000	18000	65000	6.3	5.3	8000	2100	65000	4.7	4.0	8000	21000	65000	
180																	
200																	
224																	
250																	
280																	
315																	
355																	
400																	
450																	
500																	
560																	
630																	
710																	
800																	
900																	
1000																	
1120																	
1250																	

(1) Achtung. Maximale thermische Leistung beachten. Attention. Please check for max thermal power. Attention. Vérifier svp la puissance thermique maximum.



SK..86			Type SK...86... -I SK...86... -U				m [kg] 442 509				13000 Nm						
Type	...	n _{syn} = i _{ex}	1500 min ⁻¹					1000 1/min					750 1/min				
			n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
7.1																	
8																	
9	8.70	172	90(1)	5000	12500	50000	115	60(1)	5000	12000	53500	86	45	5000	13000	55500	
10	9.66	155	85(1)	5240	12000	52000	104	56(1)	5200	12000	54000	78	43	5200	13000	56000	
11.2	11.51	130	78(1)	5730	10000	55000	87	52(1)	5700	11500	53500	65	39	5700	12000	56000	
12.5	12.36	121	77(1)	6020	9500	51000	81	51(1)	6000	10500	54000	61	38	6000	11500	56500	
14	14.29	105	69(1)	6260	9000	51000	70	46(1)	6300	10500	45500	52	34	6300	12000	57500	
16	15.98	94	63(1)	6370	9000	52000	63	42(1)	6400	10500	55000	47	31	6400	13000	60000	
18	17.77	84	90(1)	10220	7500	50500	56	59(1)	10000	5500	51500	42	45	10000	8500	58000	
20	19.72	76	85(1)	10680	5500	49500	51	56(1)	10500	5500	53000	38	43	10500	8500	59500	
22.4	23.50	64	78(1)	11700	2000	48000	43	51(1)	11500	5000	55000	32	39	11500	8000	62000	
25	25.23	59	77(1)	12300	-	47000	40	52(1)	12500	4500	55500	30	38	12500	7500	62500	
28	29.17	51	69(1)	12770	1000	49000	34	46	13000	5000	58000	26	34	13000	8500	65500	
31.5	32.63	46	63(1)	13000	1500	51000	31	42	13000	6000	60500	23	31	13000	9500	68000	
35.5	35.23	43	58(1)	13000	2500	52500	28	39	13000	6500	62500	21	29	13000	10500	70000	
40	39.67	38	51(1)	13000	3500	55500	25	34	13000	8000	65500	19	26	13000	12000	73500	
45	44.92	33	45	13000	5000	58500	22	30	13000	9500	69000	17	23	13000	13500	77500	
50	48.98	31	42	13000	6000	60500	20	28	13000	11000	71500	15	21	13000	15000	82000	
56	56.17	27	36	13000	7500	64000	18	24	13000	12500	75500	13	18	13000	17000	82500	
63	65.08	23	31	13000	9500	68000	15	21	13000	14500	79500	12	16	13000	19000	82500	
71	72.31	21	28	13000	10500	71000	14	19	13000	16500	82500	10	14	13000	21000	82500	
80	77.24	19	27	13000	11500	72500	13	18	13000	17000	82500	9.7	13	13000	22000	82500	
90	85.87	17	24	13000	13000	75500	12	16.0	13000	19000	82500	8.7	12	13000	23500	82500	
100	97.4	15	21	13000	14500	79500	10	14.0	13000	21000	82500	7.7	11	13000	26000	82500	
112	106.3	14	19	13000	16000	82500	9.4	13.0	13000	22500	82500	7.1	9.6	13000	27000	82500	
125	121.7	12	17	13000	18000	82500	8.2	11	13000	24500	82500	6.2	8.4	13000	27000	82500	
140	133.0	11	16	13000	19500	82500	7.5	10	13000	26500	82500	5.6	7.7	13000	27000	82500	
160	156.7	9.6	13	13000	22000	82500	6.4	8.7	13000	27000	82500	4.8	6.5	13000	27000	82500	
180	172.6	9	12	13000	24000	82500	5.8	7.9	13000	27000	82500	4.3	5.9	13000	27000	82500	
200	191.6	8	11	13000	25500	82500	5.2	7.1	13000	27000	82500	3.9	5.3	13000	27000	82500	
160																	
180																	
200																	
224	217.2	6.9	9.4	13000	27000	82500	4.6	6.3	13000	27000	82500	3.5	4.7	13000	27000	82500	
250	252.1	6.0	8.1	13000	27000	82500	4.0	5.4	13000	27000	82500	3.0	4.0	13000	27000	82500	
280	282.3	5.3	7.2	13000	27000	82500	3.5	4.8	13000	27000	82500	2.7	3.6	13000	27000	82500	
315	323.2	4.6	6.3	13000	27000	82500	3.1	4.2	13000	27000	82500	2.3	3.2	13000	27000	82500	
355	354.6	4.2	5.8	13000	27000	82500	2.8	3.8	13000	27000	82500	2.1	2.9	13000	27000	82500	
400	409.8	3.7	5.0	13000	27000	82500	2.4	3.3	13000	27000	82500	1.8	2.5	13000	27000	82500	
450	452.6	3.3	4.5	13000	27000	82500	2.2	3.0	13000	27000	82500	1.7	2.3	13000	27000	82500	
500	502.6	3.0	4.1	13000	27000	82500	2.0	2.7	13000	27000	82500	1.5	2.1	13000	27000	82500	
560	538.3	2.8	3.8	13000	27000	82500	1.9	2.6	13000	27000	82500	1.4	1.9	13000	27000	82500	
630	629.6	2.4	3.2	13000	27000	82500	1.6	2.2	13000	27000	82500	1.2	1.6	13000	27000	82500	
710	678.0	2.2	3.0	13000	27000	82500	1.5	2.0	13000	27000	82500	1.1	1.5	13000	27000	82500	
800	770.0	1.9	2.7	13000	27000	82500	1.3	1.8	13000	27000	82500	1.0	1.4	13000	27000	82500	
900	871.9	1.7	2.4	13000	27000	82500	1.1	1.6	13000	27000	82500	0.86	1.2	13000	27000	82500	
1000	950.9	1.6	2.2	13000	27000	82500	1.1	1.5	13000	27000	82500	0.79	1.1	13000	27000	82500	
1120	1100	1.4	1.9	13000	27000	82500	0.91	1.3	13000	27000	82500	0.68	0.93	13000	27000	82500	
1250	1215	1.2	1.7	13000	27000	82500	0.82	1.1	13000	27000	82500	0.62	0.84	13000	27000	82500	

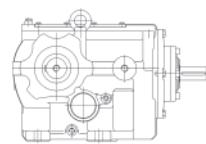
(1) Achtung. Maximale thermische Leistung beachten. Attention. Please check for max thermal power. Attention. Vérifier svp la puissance thermique maximum.



6. SK4

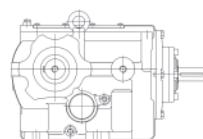
SK..96			Type SK..96... -I SK..96... -U	m [kg] 615 682			M240		20000 Nm								
Type	...	n _{syn} =	1500 min ⁻¹					1000 1/min					750 1/min				
		i _{ex}	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N	n ₂ min ⁻¹	P kW	T ₂ Nm	F _{rN} N	F _{rN-G} N
SK...96C...	7.1																
	8																
	9	8.85	170	169(1)	9500	20000	77500	113	112(1)	9500	15500	76500	85	86	9500	14000	77000
	10	10.01	150	157(1)	10000	19000	77000	100	105(1)	10000	13500	75500	75	79	10000	13500	78000
	11.2	11.34	132	139(1)	10000	17500	77000	88	92(1)	10000	13000	76000	66	69	10000	14500	79000
	12.5	12.87	117	122(1)	10000	15500	76000	78	81(1)	10000	13500	77000	58	61	10000	15000	80500
	14	14.02	107	112(1)	10000	14500	76000	71	75(1)	10000	14000	78500	53	56	10000	15500	82000
	16	16.00	94	98(1)	10000	12500	75000	63	65(1)	10000	14500	79500	47	49	10000	16500	85000
	18	17.62	85	172(1)	19330	15000	78500	57	115(1)	19330	6000	74000	43	86	19500	4000	77000
	20	19.94	75	158(1)	20000	12500	77500	50	105(1)	20000	2000	72000	38	79	20000	4000	79500
	22.4	22.59	66	139(1)	20000	9500	76000	44	93(1)	20000	1500	74000	33	70	20000	6000	84000
	25	25.63	59	123(1)	20000	6500	74000	39	82(1)	20000	3000	77500	29	61	20000	7500	87500
	28	27.93	54	112(1)	20000	4000	73500	36	75(1)	20000	5000	81500	27	56	20000	9500	91500
	31.5	31.86	47	99(1)	20000	-	72000	31	66(1)	20000	6500	85500	24	49	20000	11500	96500
	35.5	34.88	43	90(1)	20000	2500	76000	29	60	20000	8500	90000	22	45	20000	13500	101000
	40	40.17	37	78(1)	20000	4000	80000	25	52	20000	10500	94000	19	39	20000	15500	105500
	45	44.32	34	71(1)	20000	6000	84000	23	47	20000	12500	99000	17	35	20000	17500	110500
	50	49.81	30	63(1)	20000	7500	87500	20	42	20000	14500	103000	15	32	20000	20000	112000
	56	55.46	27	57(1)	20000	9500	91500	18	38	20000	16500	108000	14	29	20000	22000	112000
	63	62.14	24	51(1)	20000	11500	96500	16	34	20000	18500	112000	12	26	20000	24500	112000
	71	70.15	21	45	20000	13500	101000	14	30	20000	21000	112000	11	23	20000	27000	112000
	80	78.94	19	40	20000	15500	105500	13	27	20000	23500	112000	9.5	20	20000	30000	112000
	90	91.06	16	34	20000	17500	110500	11	23.0	20000	26000	112000	8.2	17	20000	32500	112000
	100	99.5	15	32	20000	20000	112000	10	21.0	20000	28500	112000	7.5	16	20000	35000	112000
	112	107.9	14	29	20000	22000	112000	9.3	19.5	20000	31000	112000	7.0	14.5	20000	37500	112000
	125	127.4	12	25	20000	24500	112000	7.8	17	20000	33500	112000	5.9	12.5	20000	37500	112000
	140	140.6	11	23	20000	27000	112000	7.1	15	20000	36500	112000	5.3	11.0	20000	37500	112000
	160	156.5	9.6	20	20000	30000	112000	6.4	13.5	20000	37500	112000	4.8	10.0	20000	37500	112000
	180																
	200																
SK...96C36B...	160																
	180	174.4	8.6	17.5	19500	32500	112000	5.7	11.5	19500	37500	112000	4.3	8.8	19500	37500	112000
	200	191.0	7.9	16.5	20000	35000	112000	5.2	11.0	20000	37500	112000	3.9	8.2	20000	37500	112000
	224	219.9	6.8	14.5	20000	37500	112000	4.5	9.5	20000	37500	112000	3.4	7.1	20000	37500	112000
	250	255.3	5.9	12.5	20000	37500	112000	3.9	8.2	20000	37500	112000	2.9	6.2	20000	37500	112000
	280	285.8	5.2	11.0	20000	37500	112000	3.5	7.3	20000	37500	112000	2.6	5.5	20000	37500	112000
	315	327.3	4.6	9.6	20000	37500	112000	3.1	6.4	20000	37500	112000	2.3	4.8	20000	37500	112000
	355	359.1	4.2	8.7	20000	37500	112000	2.8	5.8	20000	37500	112000	2.1	4.4	20000	37500	112000
	400	415.0	3.6	7.6	20000	37500	112000	2.4	5.0	20000	37500	112000	1.8	3.8	20000	37500	112000
	450	458.3	3.3	6.9	20000	37500	112000	2.2	4.6	20000	37500	112000	1.6	3.4	20000	37500	112000
	500	509.0	2.9	6.2	20000	37500	112000	2.0	4.1	20000	37500	112000	1.5	3.1	20000	37500	112000
	560	545.1	2.8	5.8	20000	37500	112000	1.8	3.8	20000	37500	112000	1.4	2.9	20000	37500	112000
	630	637.5	2.4	4.9	20000	37500	112000	1.6	3.3	20000	37500	112000	1.2	2.5	20000	37500	112000
	710	686.5	2.2	4.6	20000	37500	112000	1.5	3.1	20000	37500	112000	1.1	2.3	20000	37500	112000
	800	779.7	1.9	4.0	20000	37500	112000	1.3	2.7	20000	37500	112000	1.0	2.0	20000	37500	112000
	900	882.9	1.7	3.6	20000	37500	112000	1.1	2.4	20000	37500	112000	0.85	1.8	20000	37500	112000
	1000	962.9	1.6	3.3	20000	37500	112000	1.0	2.2	20000	37500	112000	0.78	1.7	20000	37500	112000
	1120	1114	1.3	2.8	20000	37500	112000	0.90	1.9	20000	37500	112000	0.67	1.40	20000	37500	112000
	1250	1230	1.2	2.6	20000	37500	112000	0.81	1.7	20000	37500	112000	0.61	1.30	20000	37500	112000

(1) Achtung. Maximale thermische Leistung beachten. Attention. Please check for max thermal power. Attention. Vérifier svp la puissance thermique maximum.



6. SK4

Notizen / Notice / Notes:



6. SK4

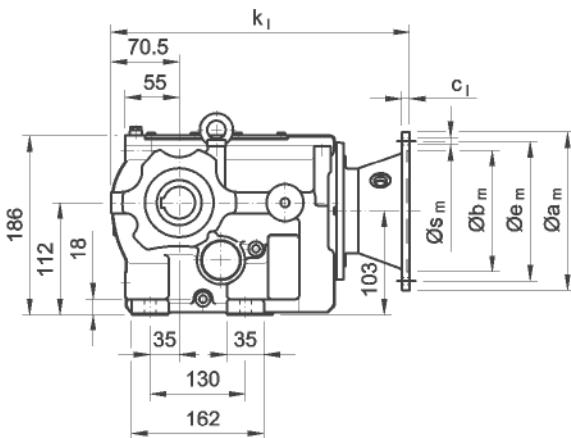
6.7 Maßbilder Getriebe

Dimensional drawings of gear units

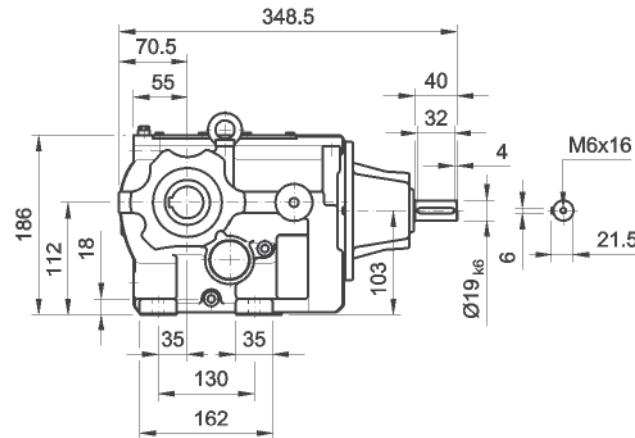
Schémas dimensionnels des unités de vitesse

SKZ..26C-U

63 - 112

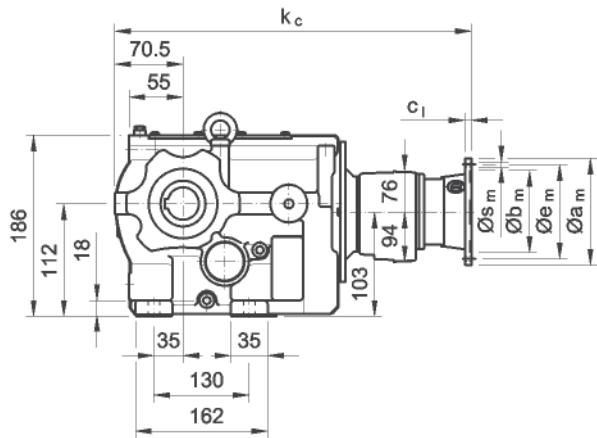


SKZ..26C-I

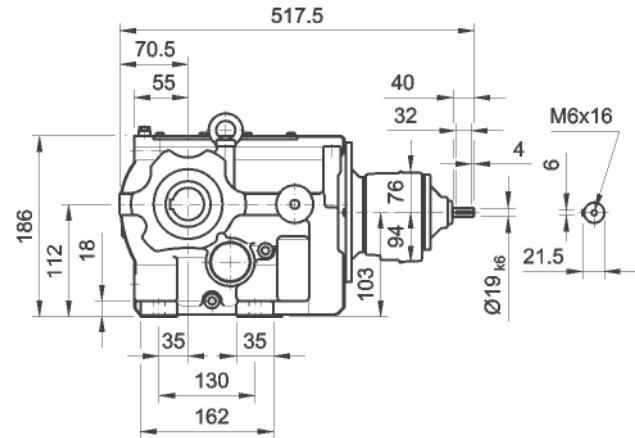


SKZ..26C16B/C-U

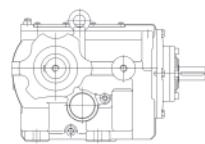
63 - 112



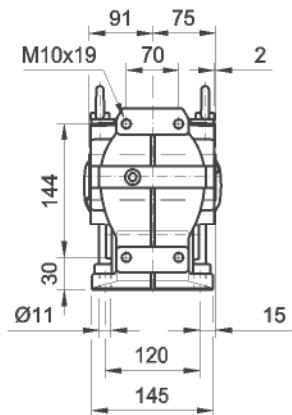
SKZ..26C16B/C-I



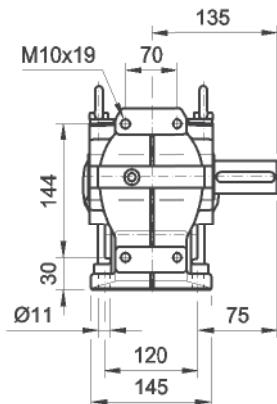
	63	71	80	90S	90L	100	112													
k1	336	336	336	336	336	336	336													
c1	8	8	10	10	10	12	12													
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7													
Øem	115	130	165	165	165	215	215													
Øam	140	160	200	200	200	250	250													
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5													
kc	505	505	505	505	505	505	505													



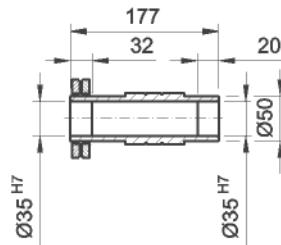
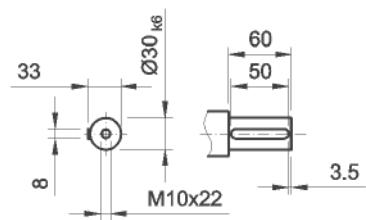
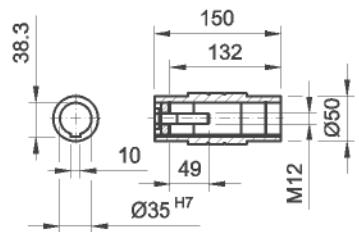
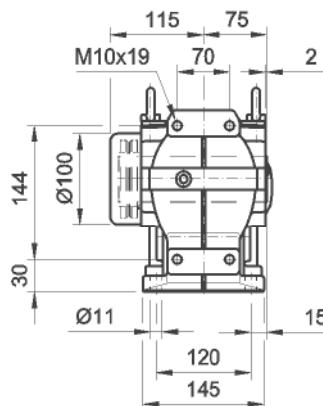
SKZH26C..



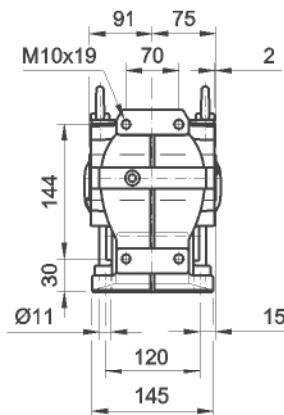
SKZN26C..



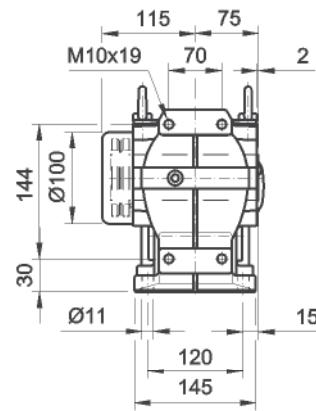
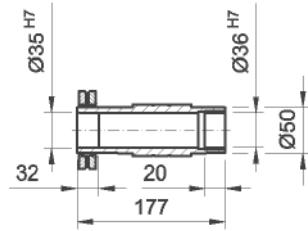
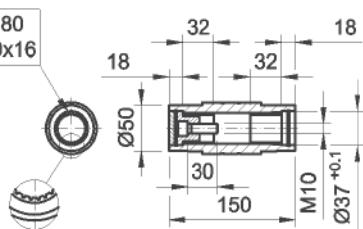
SKZS26C..



SKZT26C..

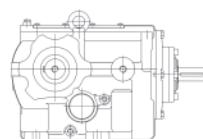


SKZC26C..

DIN 5480
35x2x30x16

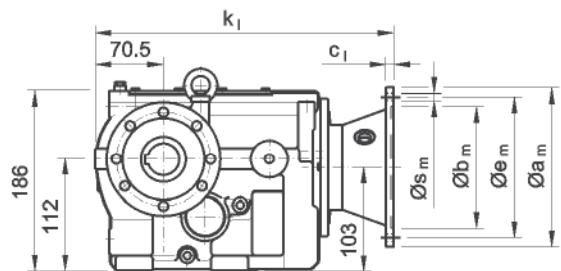


6. SK4

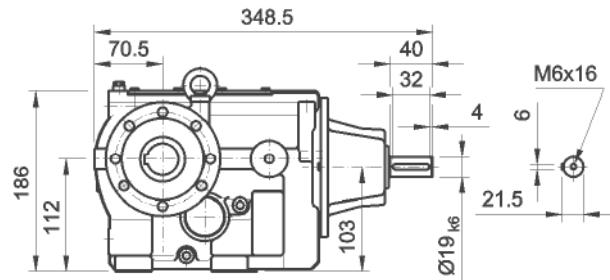


SKT..26C-U

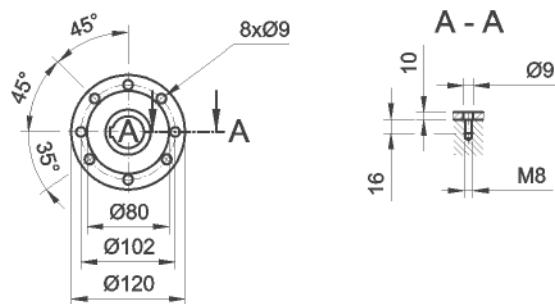
63 - 112



SKT..26C-I

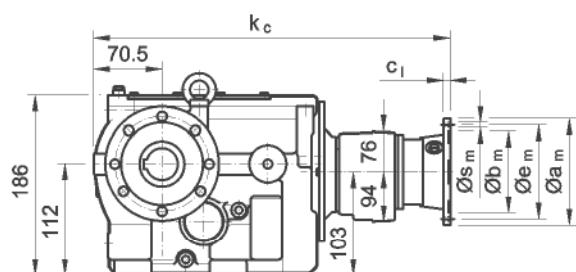


SKT..26C..

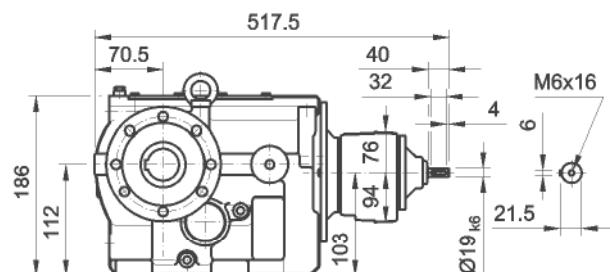


SKT..26C16B/C-U

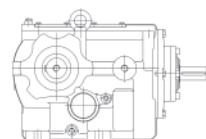
63 - 112



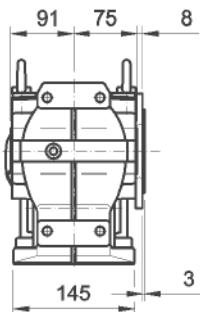
SKT..26C16B/C-I



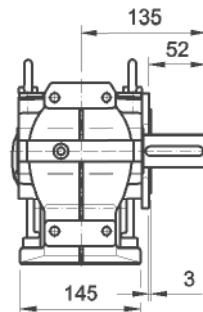
	63	71	80	90S	90L	100	112												
k_l	336	336	336	336	336	336	336												
c_l	8	8	10	10	10	12	12												
Øb_m	95H7	110H7	130H7	130H7	130H7	180H7	180H7												
Øe_m	115	130	165	165	165	215	215												
Øa_m	140	160	200	200	200	250	250												
Øs_m	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5												
k_c	505	505	505	505	505	505	505												



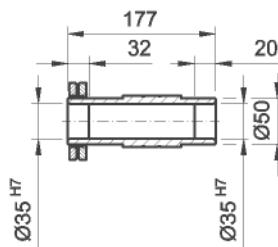
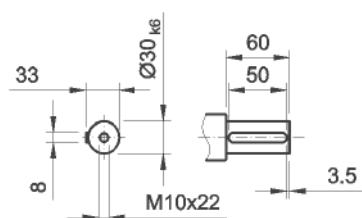
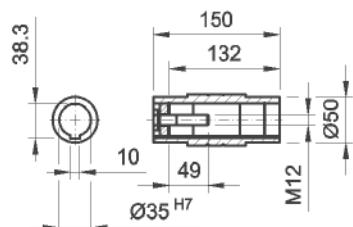
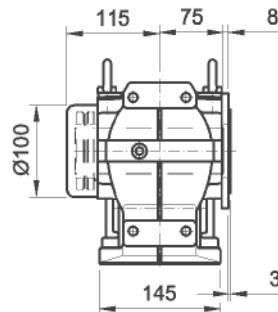
SKTH26C..



SKTN26C..

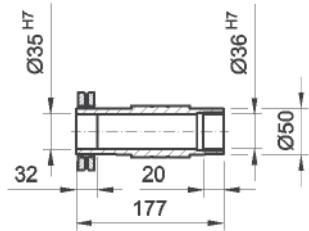
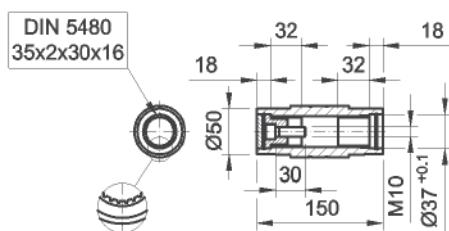
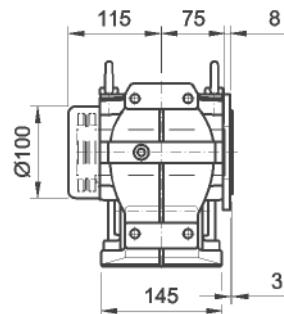
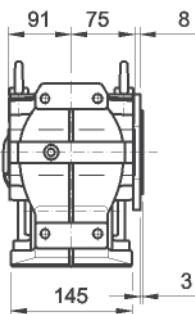


SKTS26C..



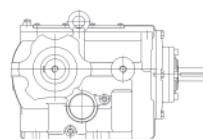
SKTT26C..

SKTC26C..



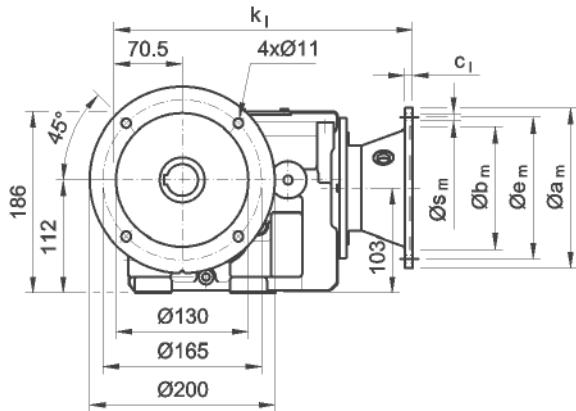


6. SK4

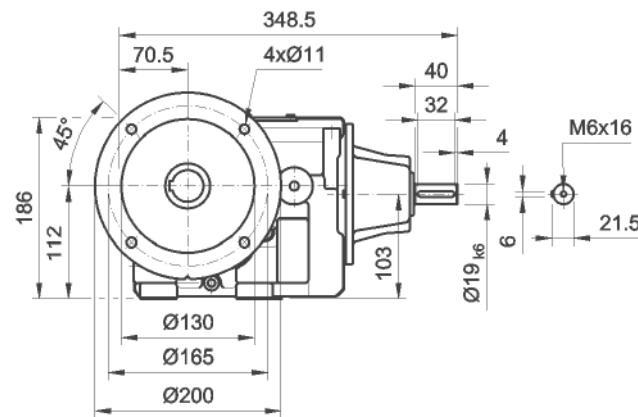


SKF..26C-U

63 - 112

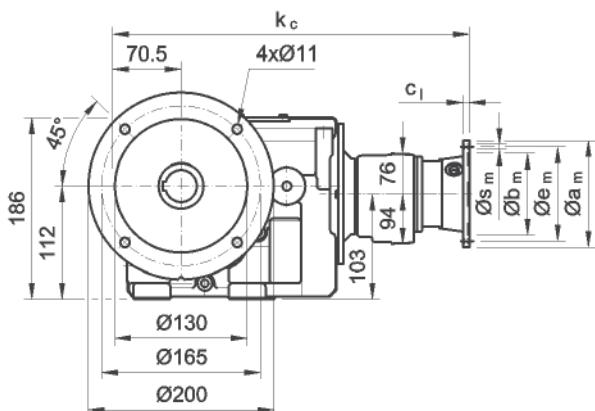


SKF..26C-I

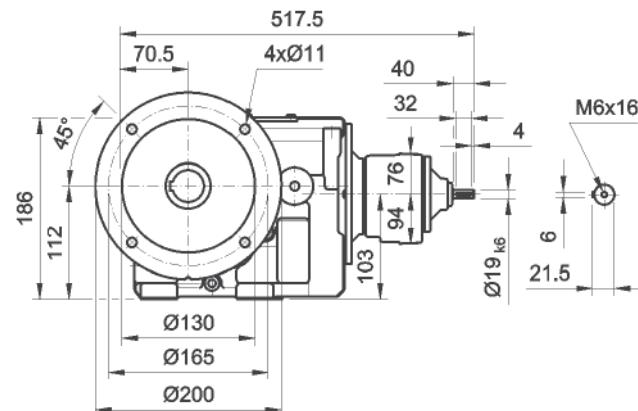


SKF..26C16B/C-U

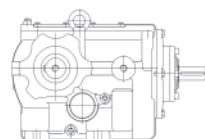
63 - 112



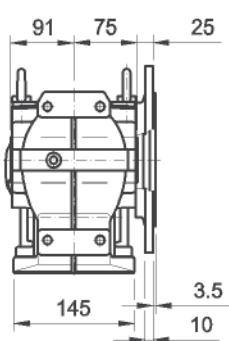
SKF..26C16B/C-I



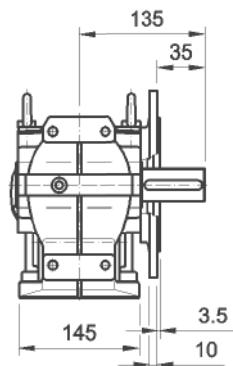
	63	71	80	90S	90L	100	112												
k1	336	336	336	336	336	336	336												
c1	8	8	10	10	10	12	12												
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7												
Øem	115	130	165	165	165	215	215												
Øam	140	160	200	200	200	250	250												
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5												
k2	505	505	505	505	505	505	505												



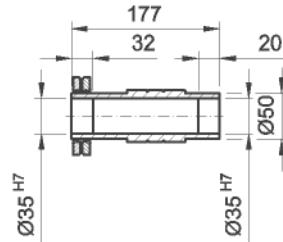
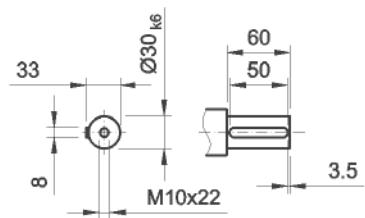
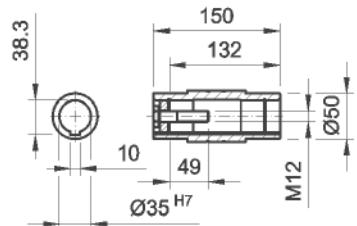
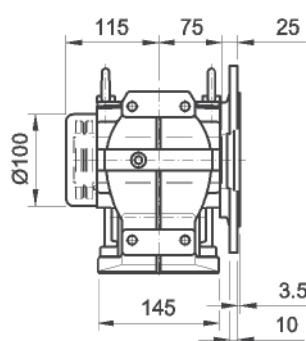
SKFH26C..



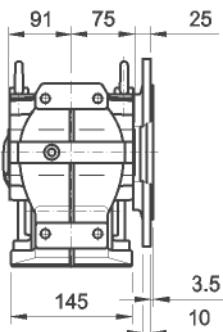
SKFN26C..



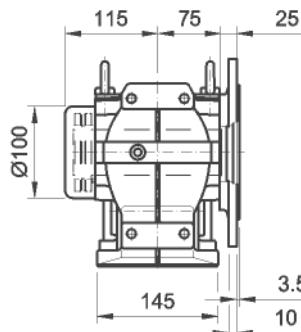
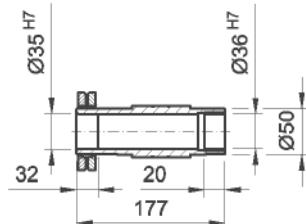
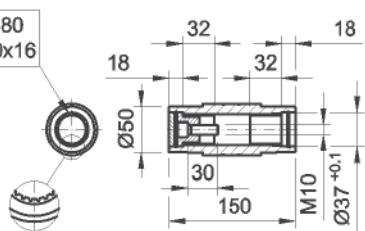
SKFS26C..



SKFT26C..

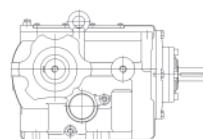


SKFC26C..

DIN 5480
35x2x30x16

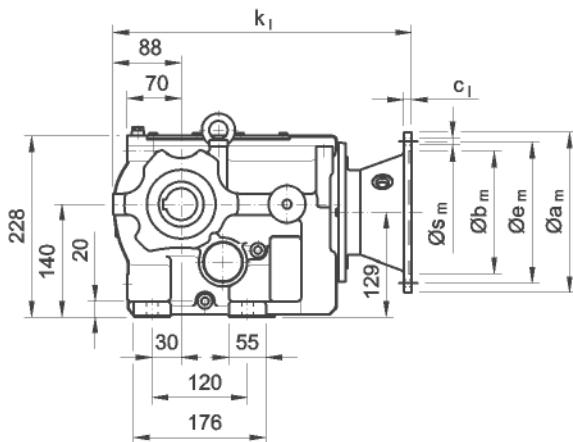


6. SK4

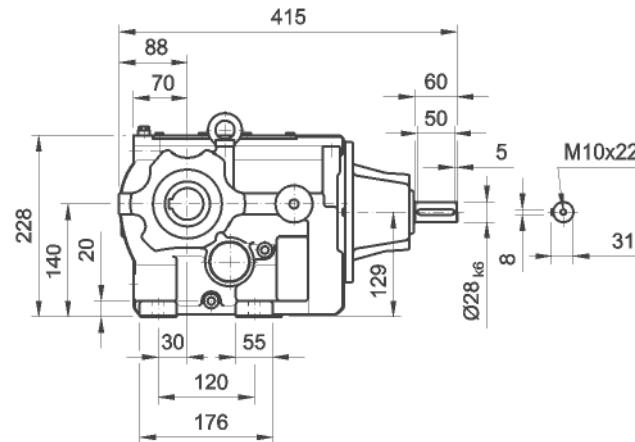


SKZ..36C-U

71 - 132

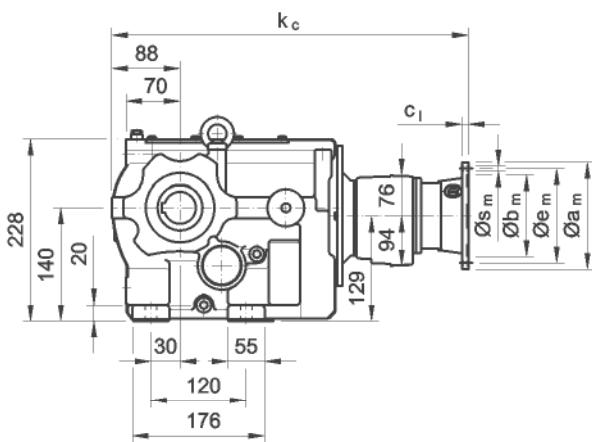


SKZ..36C-I

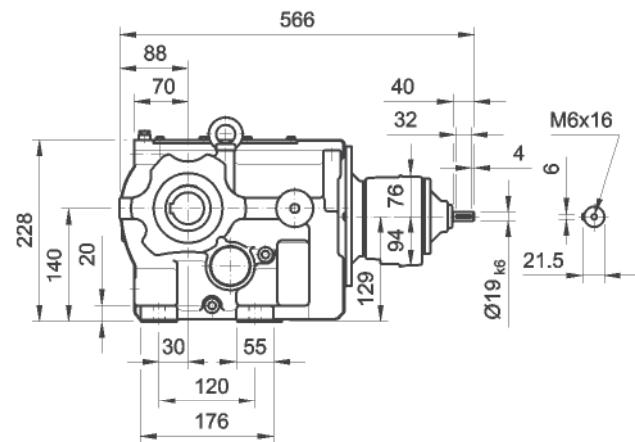


SKZ..36C16B/C-U

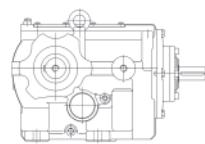
63 - 112



SKZ..36C16B/C-I

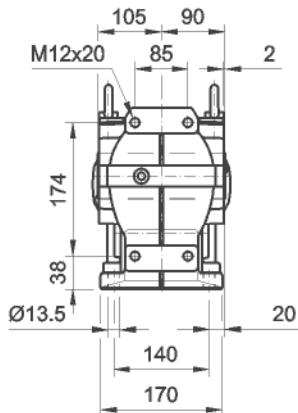


	63	71	80	90S	90L	100	112	132S	132M									
k_l		383	383	383	383	383	383	445	445									
c_l	8	8	10	10	10	12	12	13	13									
Øb_m	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7									
Øe_m	115	130	165	165	165	215	215	265	265									
Øa_m	140	160	200	200	200	250	250	300	300									
Øs_m	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5									
k_c	554	554	554	554	554	554	554											

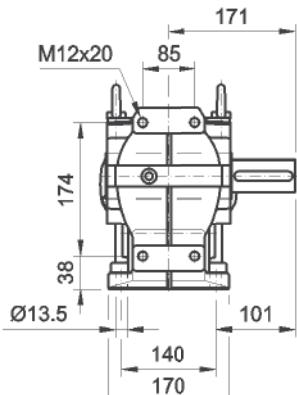


6. SK4

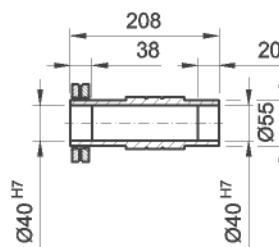
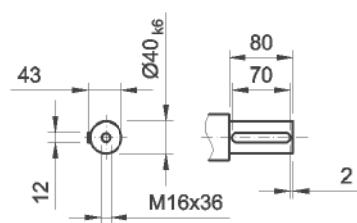
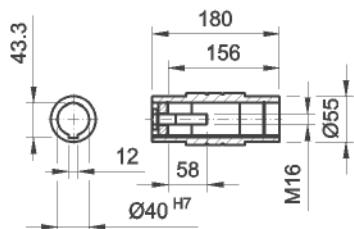
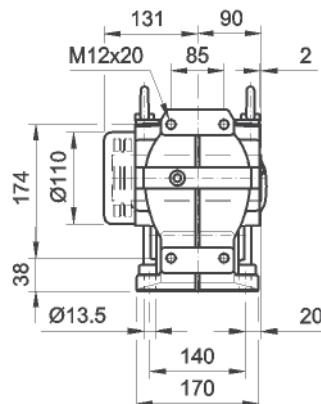
SKZH36C..



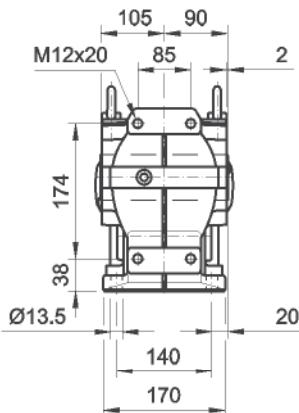
SKZN36C..



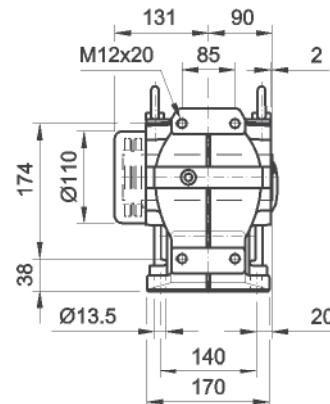
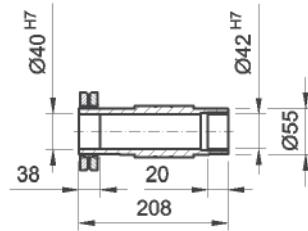
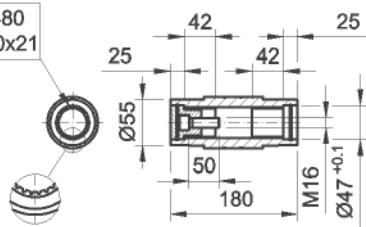
SKZS36C..



SKZT36C..

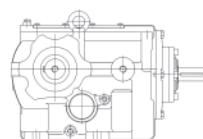


SKZC36C..

DIN 5480
45x2x30x21

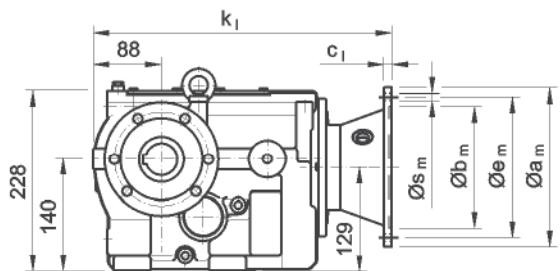


6. SK4

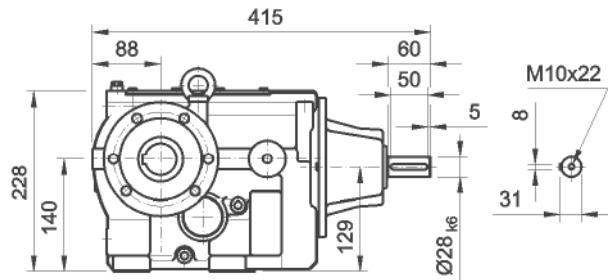


SKT..36C-U

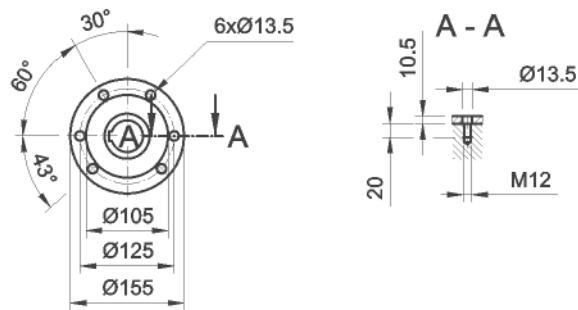
71 - 132



SKT..36C-I

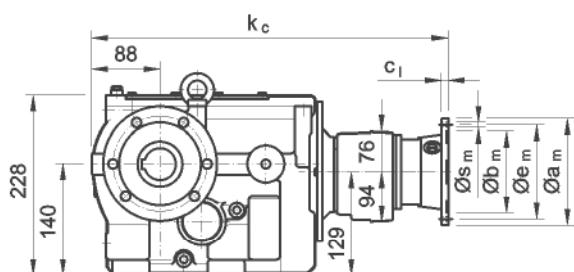


SKT..36C..

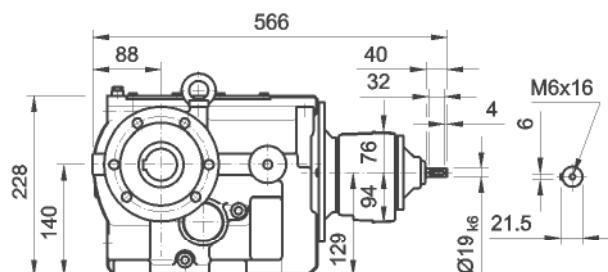


SKT..36C16B/C-U

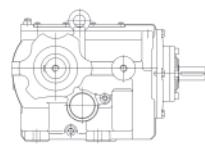
63 - 112



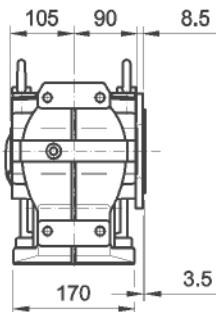
SKT..36C16B/C-I



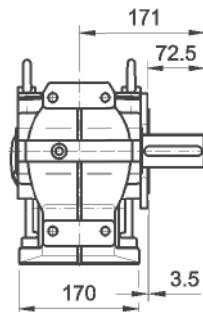
	63	71	80	90S	90L	100	112	132S	132M									
k1		383	383	383	383	383	383	445	445									
c1	8	8	10	10	10	12	12	13	13									
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7									
Øem	115	130	165	165	165	215	215	265	265									
Øam	140	160	200	200	200	250	250	300	300									
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5									
k_c	554	554	554	554	554	554	554	554	554									



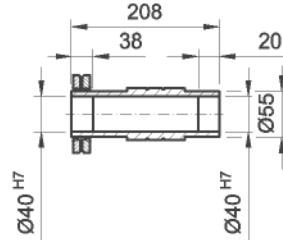
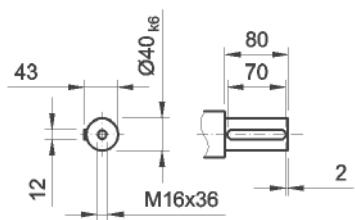
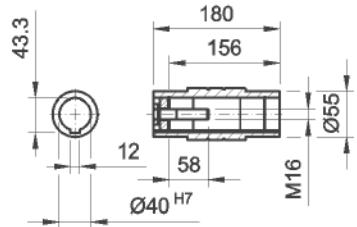
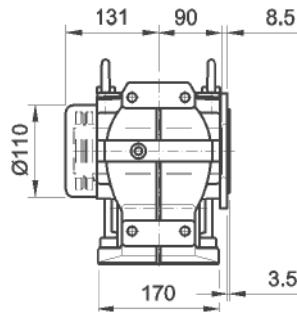
SKTH36C..



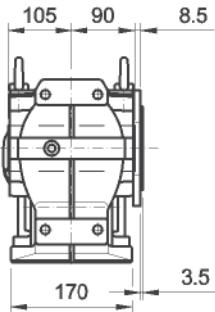
SKTN36C..



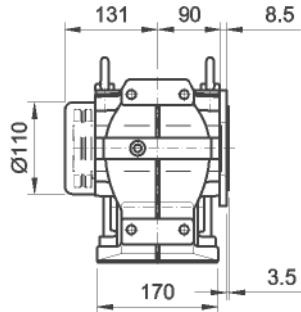
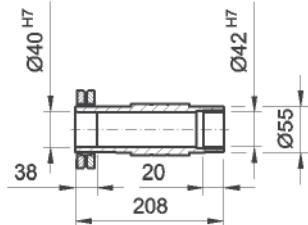
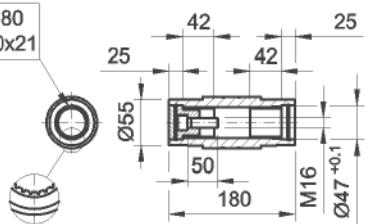
SKTS36C..



SKTT36C..

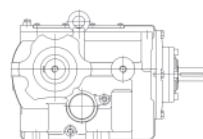


SKTC36C..

DIN 5480
45x2x30x21

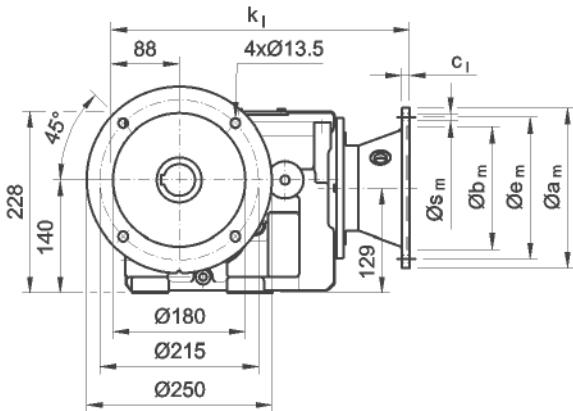


6. SK4

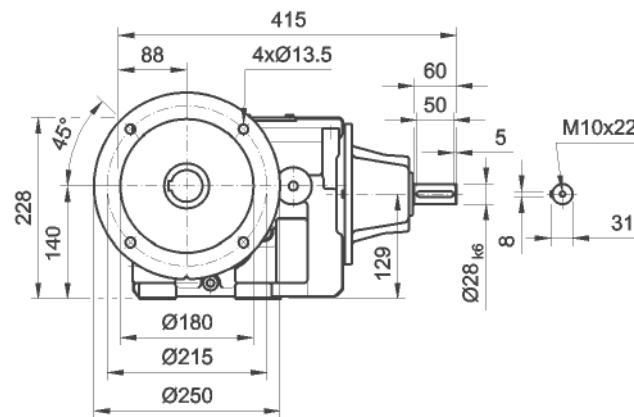


SKF..36C-U

71 - 132

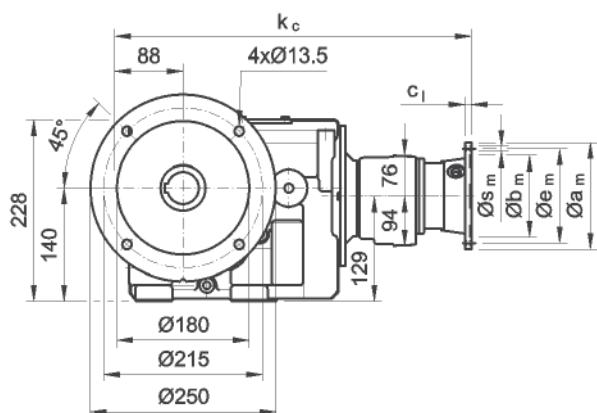


SKF..36C-I

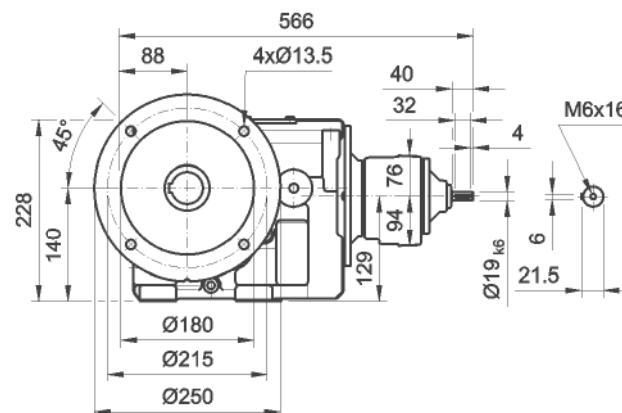


SKF..36C16B/C-U

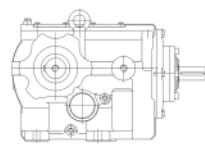
63 - 112



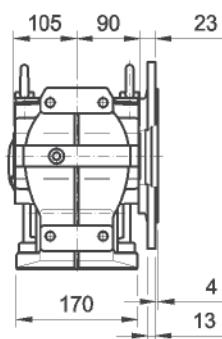
SKF..36C16B/C-I



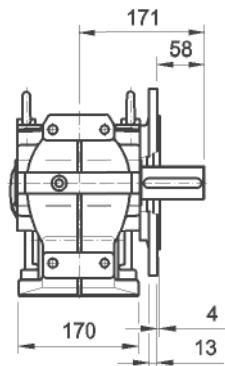
	63	71	80	90S	90L	100	112	132S	132M									
k1		383	383	383	383	383	383	445	445									
c1	8	8	10	10	10	12	12	13	13									
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7									
Øem	115	130	165	165	165	215	215	265	265									
Øam	140	160	200	200	200	250	250	300	300									
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5									
kc	554	554	554	554	554	554	554											



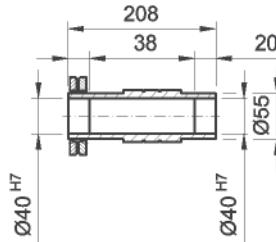
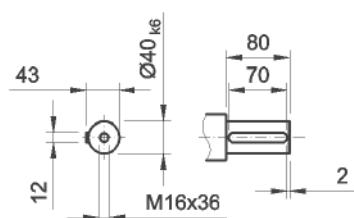
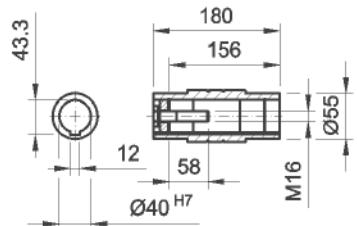
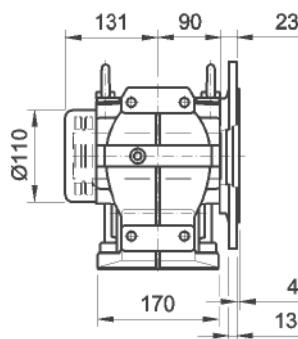
SKFH36C..



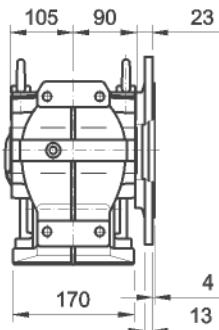
SKFN36C..



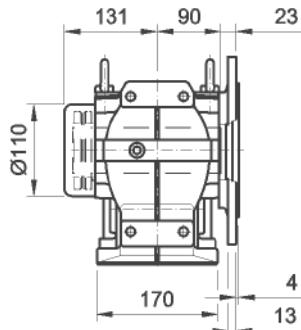
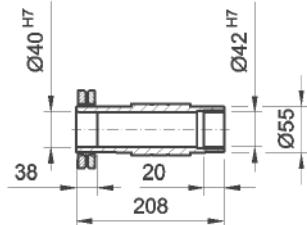
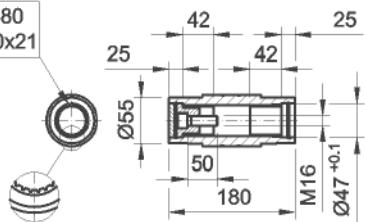
SKFS36C..



SKFT36C..

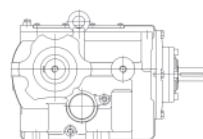


SKFC36C..

DIN 5480
45x2x30x21

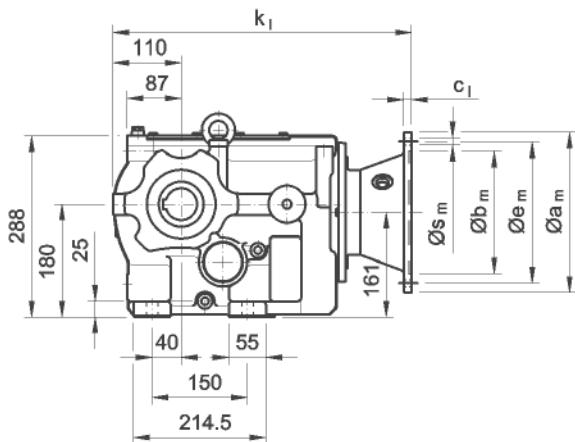


6. SK4

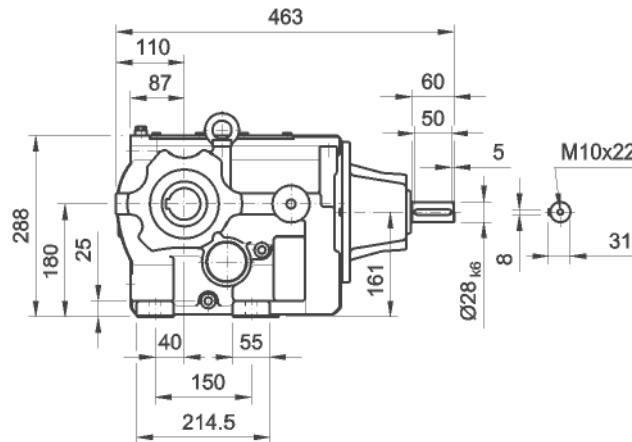


SKZ..46C-U

71 - 132

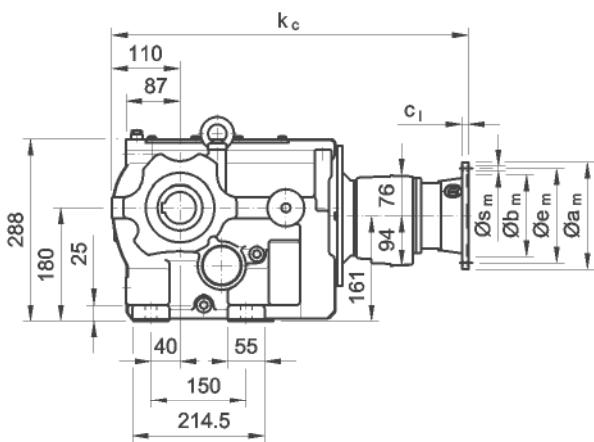


SKZ..46C-I

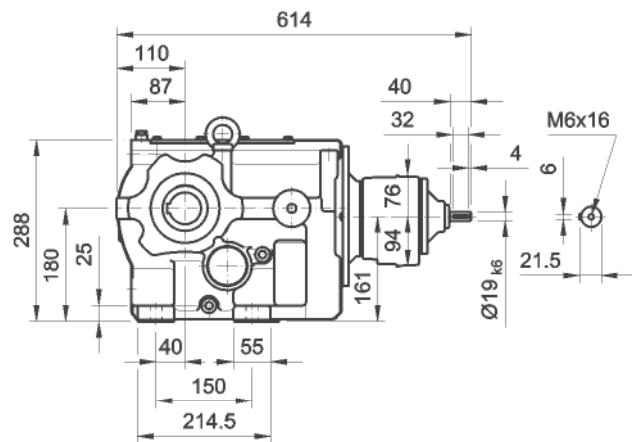


SKZ..46C16B/C-U

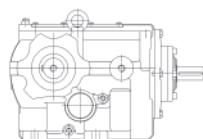
63 - 112



SKZ..46C16B/C-I

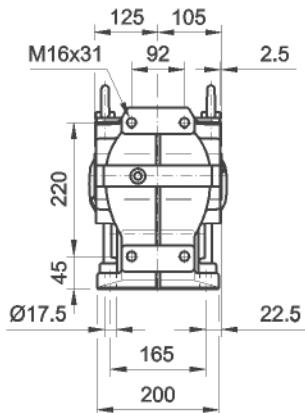


	63	71	80	90S	90L	100	112	132S	132M									
k_1		431	431	431	431	431	431	493	493									
c_1	8	8	10	10	10	12	12	13	13									
$\varnothing b_m$	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7									
$\varnothing e_m$	115	130	165	165	165	215	215	265	265									
$\varnothing a_m$	140	160	200	200	200	250	250	300	300									
$\varnothing s_m$	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5									
k_c	602	602	602	602	602	602	602											

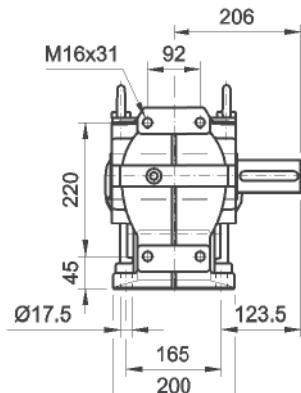


6. SK4

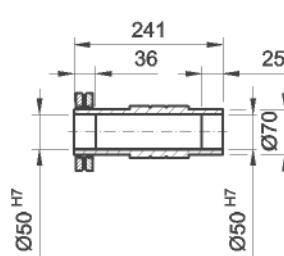
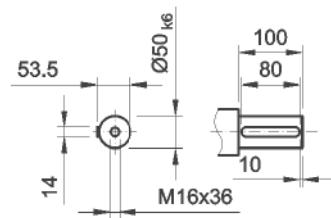
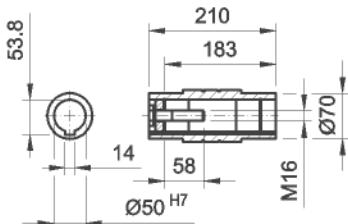
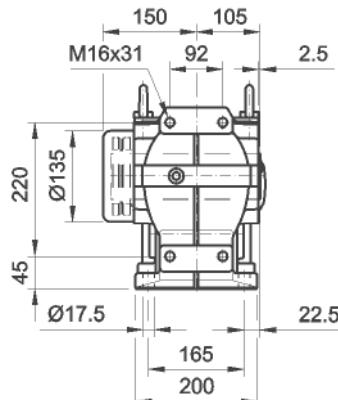
SKZH46C..



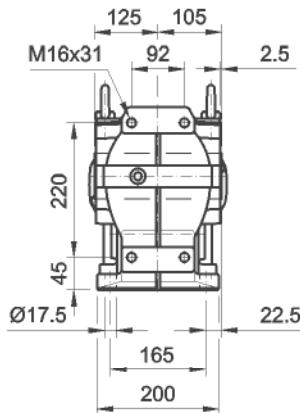
SKZN46C..



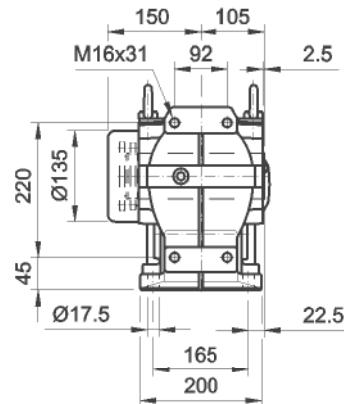
SKZS46C..



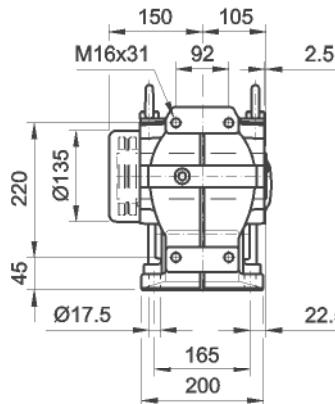
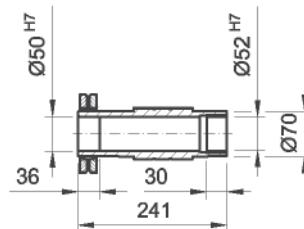
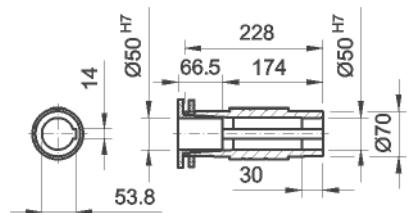
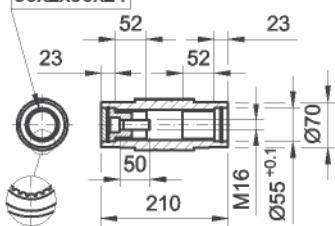
SKZT46C..



SKZB46C..

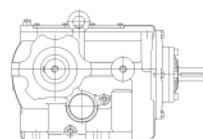


SKZC46C..

DIN 5480
50x2x30x24

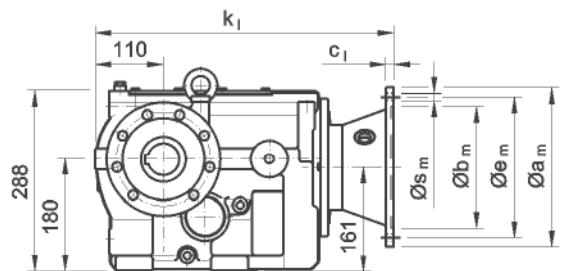


6. SK4

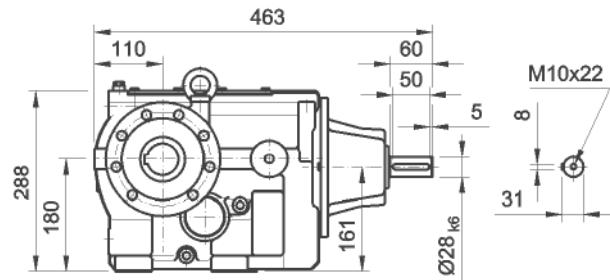


SKT..46C-U

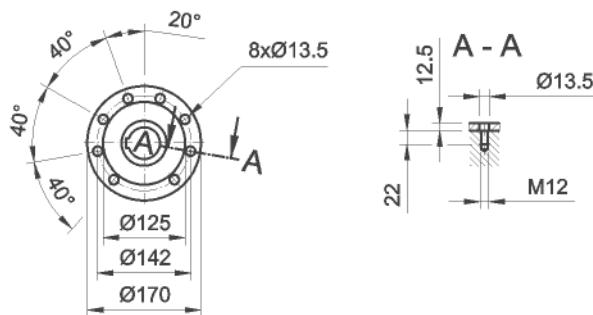
71 - 132



SKT..46C-I

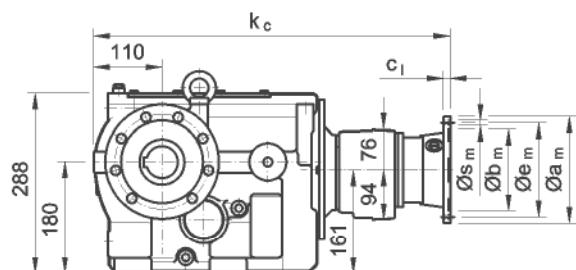


SKT..46C..

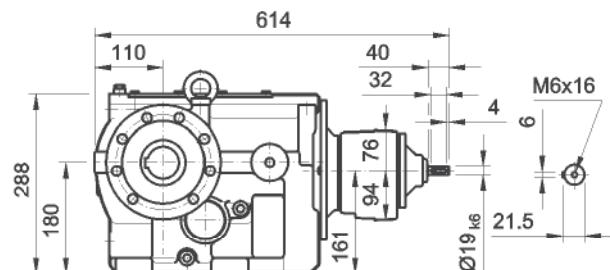


SKT..46C16B-U

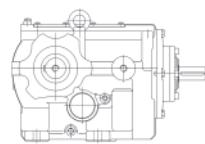
63 - 112



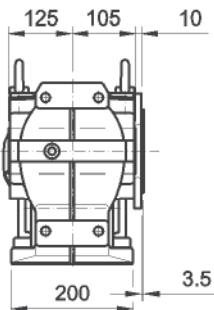
SKT..46C16B-I



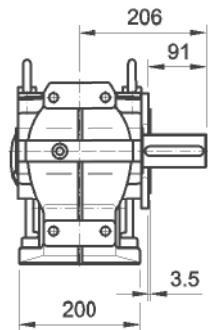
	63	71	80	90S	90L	100	112	132S	132M									
k1		431	431	431	431	431	431	493	493									
c1	8	8	10	10	10	12	12	13	13									
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7									
Øem	115	130	165	165	165	215	215	265	265									
Øam	140	160	200	200	200	250	250	300	300									
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5									
kc	602	602	602	602	602	602	602											



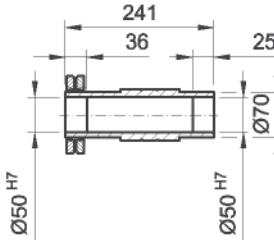
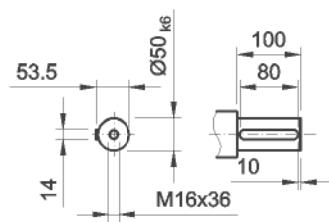
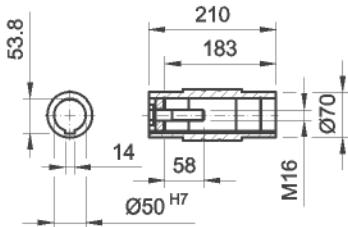
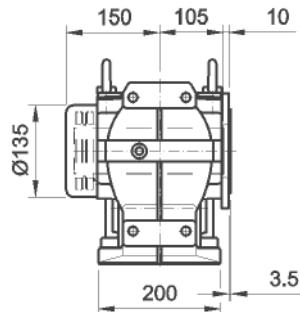
SKTH46C..



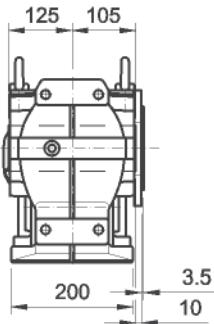
SKTN46C..



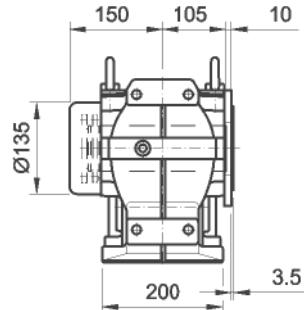
SKTS46C..



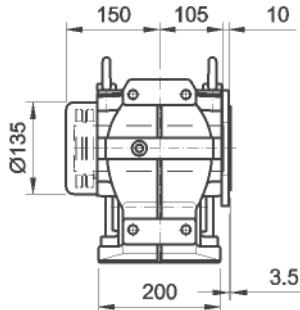
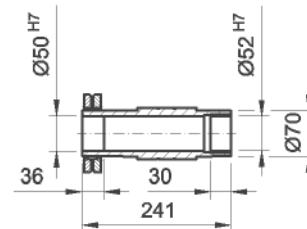
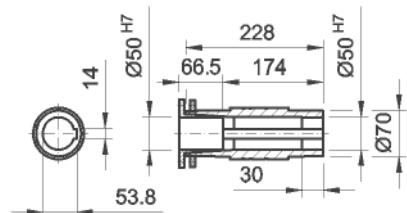
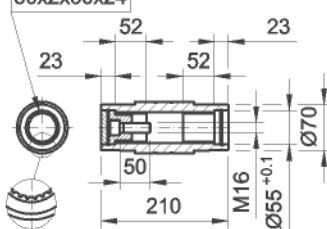
SKTT46C..



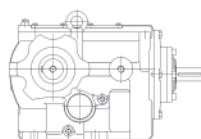
SKTB46C..



SKTC46C..

DIN 5480
50x2x30x24

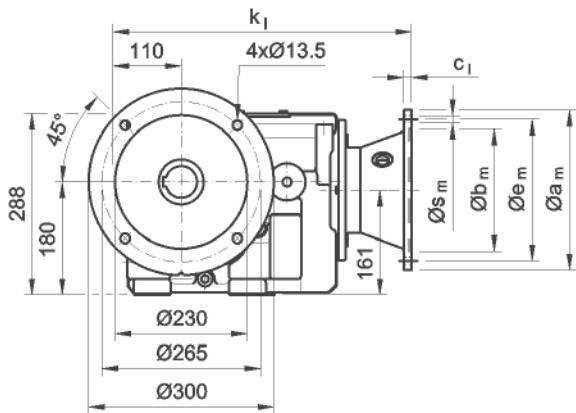
6. SK4



SKF..46C-U

71 - 132

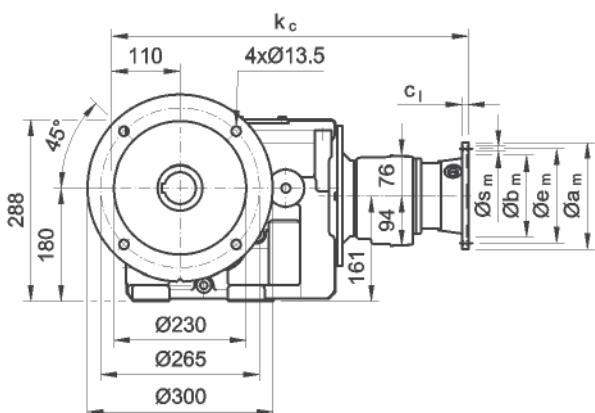
SKF..46C-I



SKF..46C16B/C-U

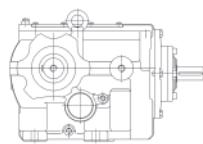
63 - 112

SKF..46C16B/C-I

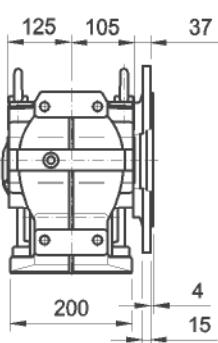


The technical drawing illustrates a motor assembly with the following dimensions:

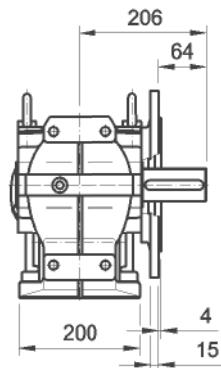
- Total width: 614
- Shaft diameter: 4xØ13.5
- Shaft length: 40
- Shaft shoulder height: 32
- Shaft neck height: 4
- Shaft neck shoulder height: 6
- Shaft neck shoulder diameter: Ø19_{k6}
- Shaft neck shoulder thickness: 21.5
- Shaft shoulder height: 94
- Shaft shoulder diameter: 76
- Shaft shoulder thickness: 161
- Shaft shoulder bottom diameter: Ø230
- Shaft shoulder top diameter: Ø265
- Shaft shoulder total height: 180
- Shaft shoulder side height: 288
- Shaft shoulder side angle: 45°
- Shaft shoulder side hole diameter: M6x16



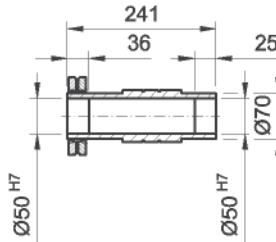
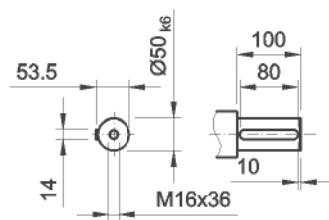
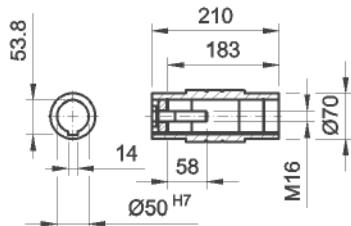
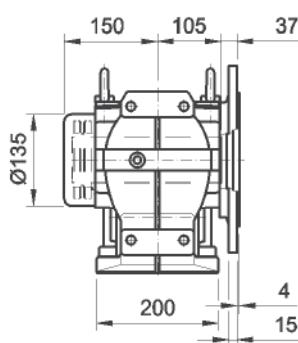
SKFH46C..



SKFN46C..



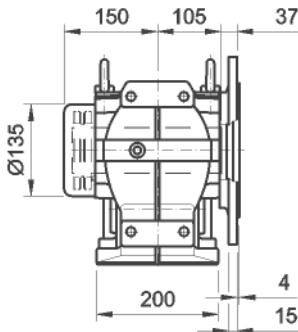
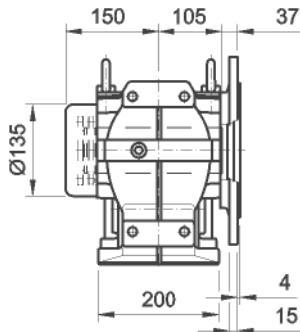
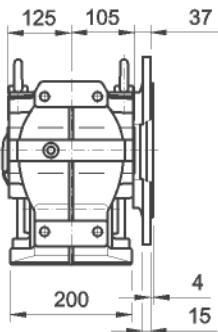
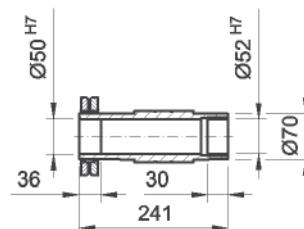
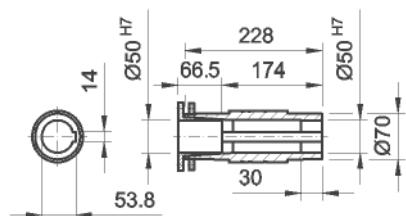
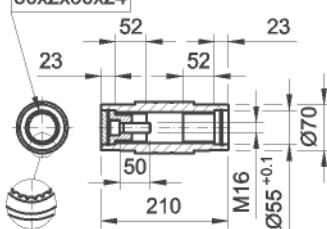
SKFS46C..



SKFT46C..

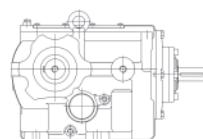
SKFB46C..

SKFC46C..

DIN 5480
50x2x30x24

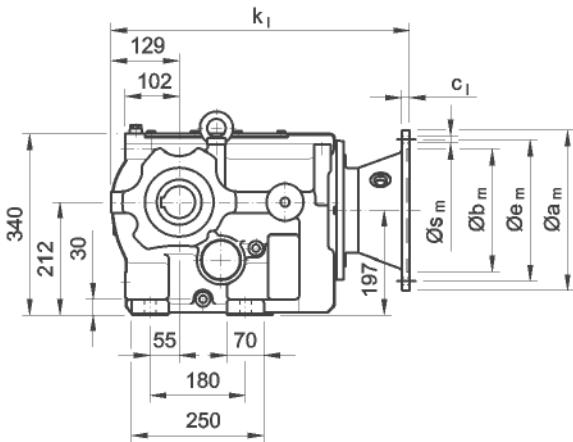


6. SK4

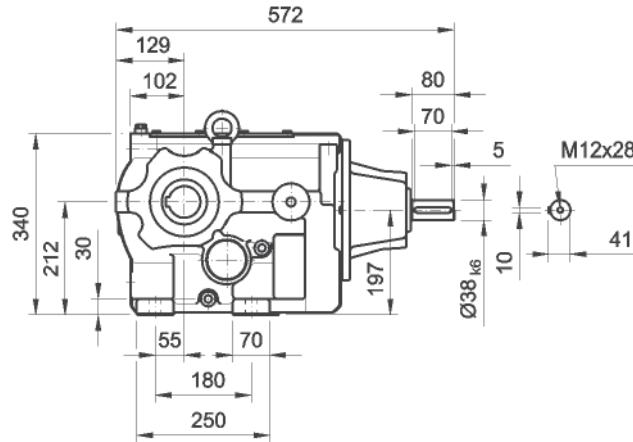


SKZ..56C-U

80 - 180

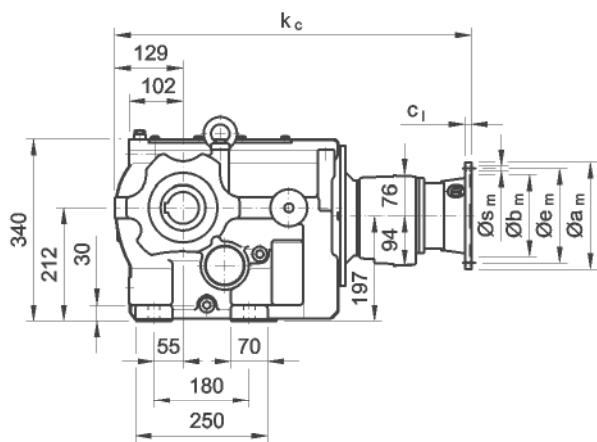


SKZ..56C-I

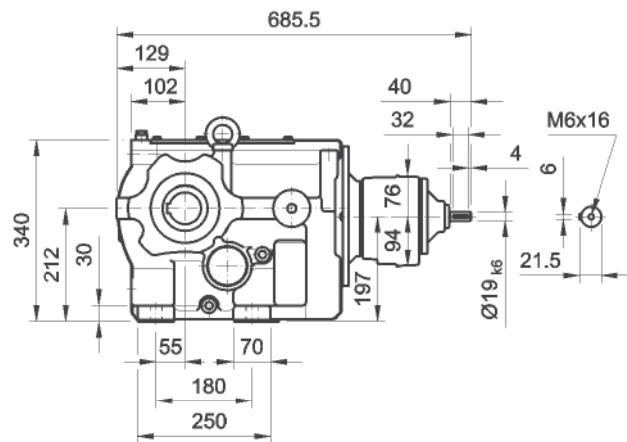


SKZ..56C16B/C-U

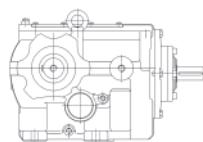
63 - 112



SKZ..56C16B/C-I

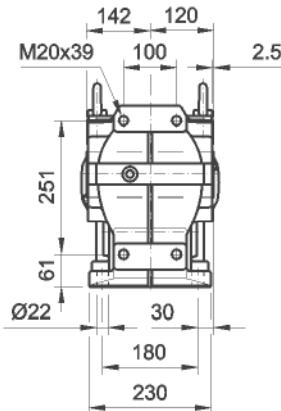


	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k ₁			503	503	503	503	503	566	566	631	631	631	631				
c ₁	8	8	10	10	10	12	12	13	13	15	15	15	15				
D _{bm}	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
D _{em}	115	130	165	165	165	215	215	265	265	300	300	300	300				
D _{am}	140	160	200	200	200	250	250	300	300	350	350	350	350				
D _{sm}	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5				
k _c	673	673	673	673	673	673	673										

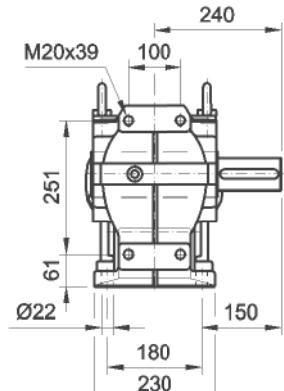


6. SK4

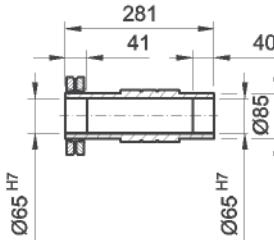
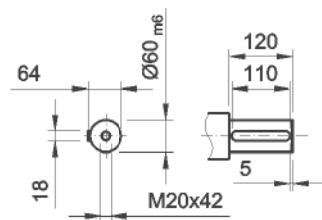
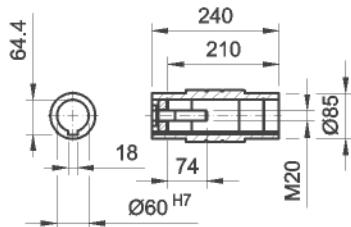
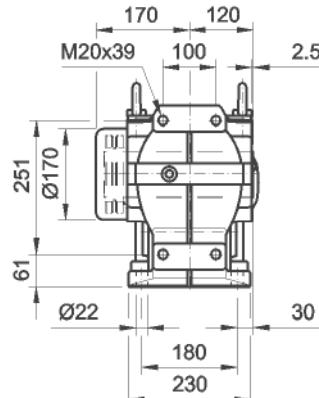
SKZH56C..



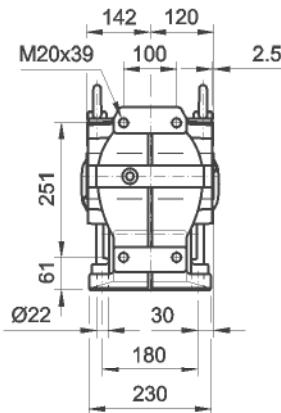
SKZN56C..



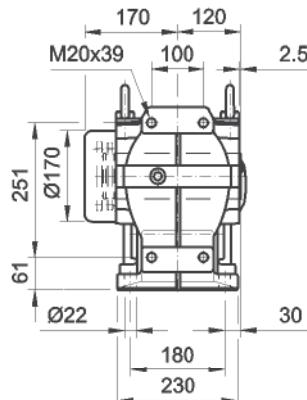
SKZS56C..



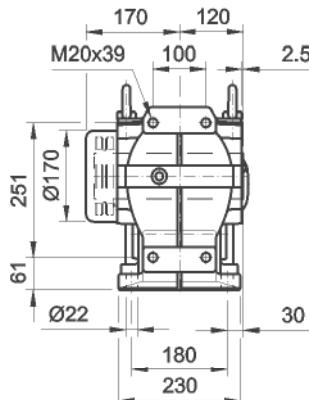
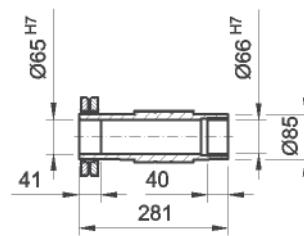
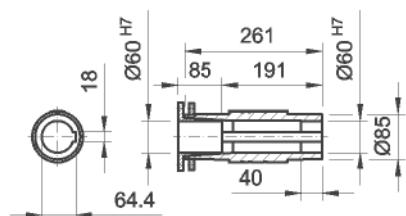
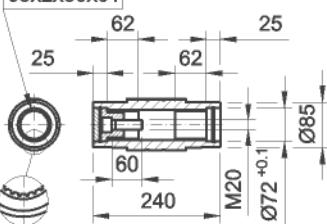
SKZT56C..



SKZB56C..

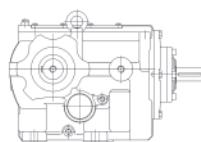


SKZC56C..

DIN 5480
65x2x30x31

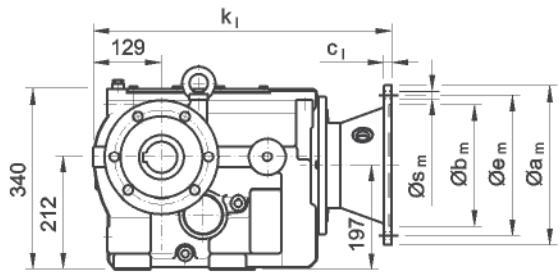


6. SK4

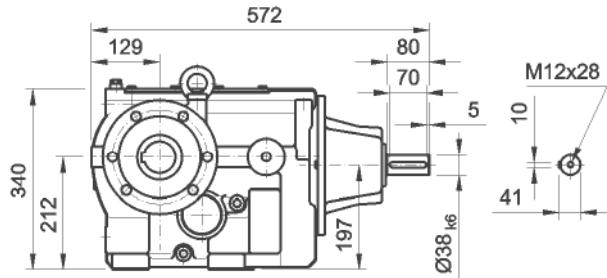


SKT..56C-U

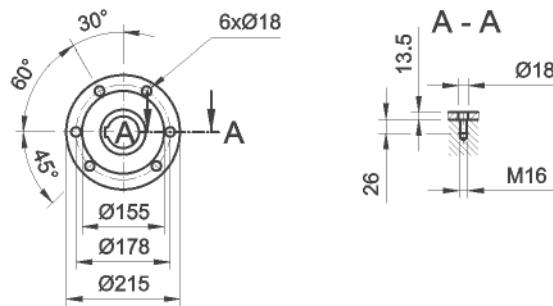
80 - 180



SKT..56C-I

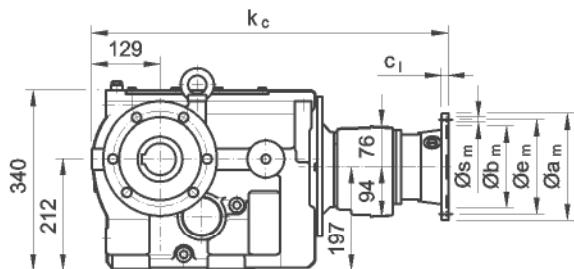


SKT..56C..

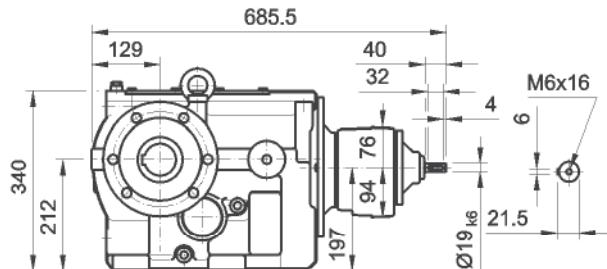


SKT..56C16B/C-U

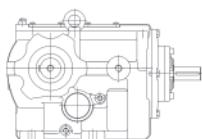
63 - 112



SKT..56C16B/C-I

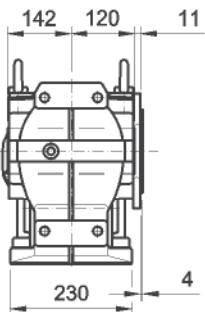


	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k1			503	503	503	503	503	566	566	631	631	631	631				
c1	8	8	10	10	10	12	12	13	13	15	15	15	15				
Øbm	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
Øem	115	130	165	165	165	215	215	265	265	300	300	300	300				
Øam	140	160	200	200	200	250	250	300	300	350	350	350	350				
Øsm	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5				
k_c	673	673	673	673	673	673	673										

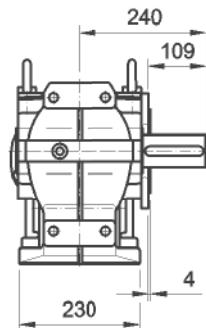


6. SK4

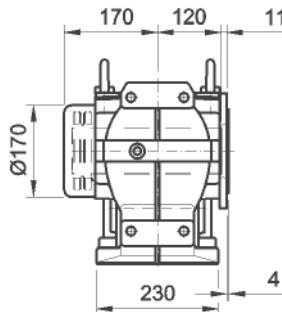
SKTH56C..



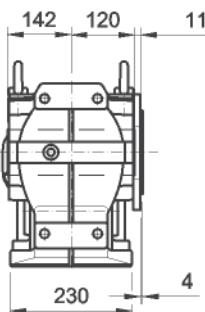
SKTN56C..



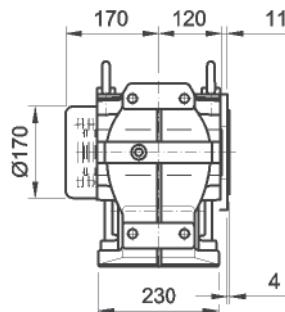
SKTS56C..



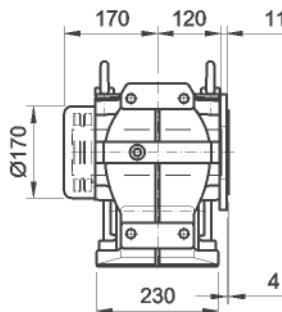
SKTT56C..



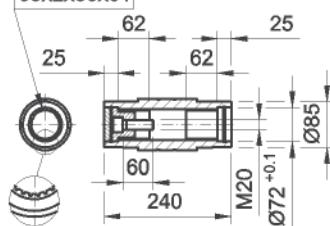
SKTB56C..



SKTC56C..



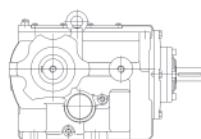
DIN 5480
65x2x30x31



Technical drawing of a mechanical part with the following dimensions:

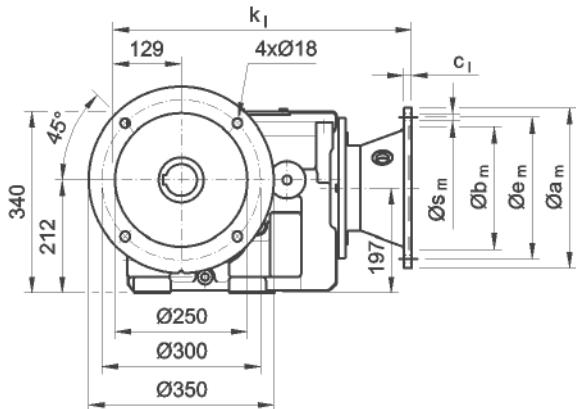
- Height: 18
- Outer diameter: $\varnothing 60\text{ H7}$
- Total width: 64.4
- Shoulder width: 40
- Shoulder height: 40
- Shoulder width: 191
- Shoulder height: 85
- Inner diameter: $\varnothing 85$

6. SK4

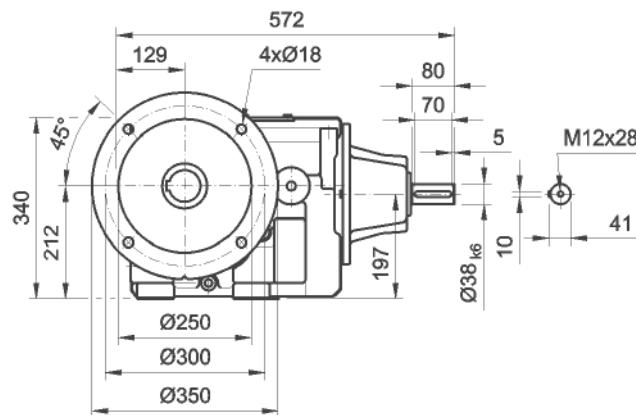


SKF..56C-U

80 - 180

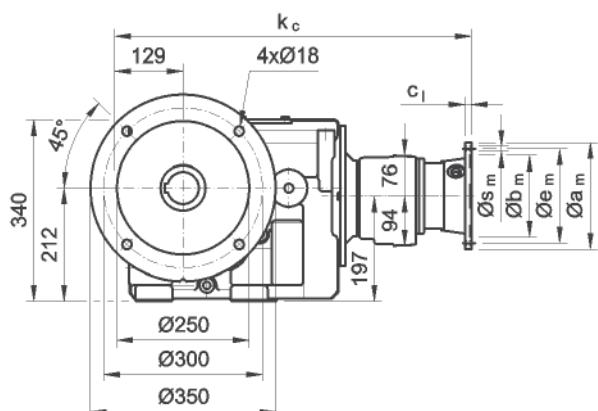


SKF..56C-I

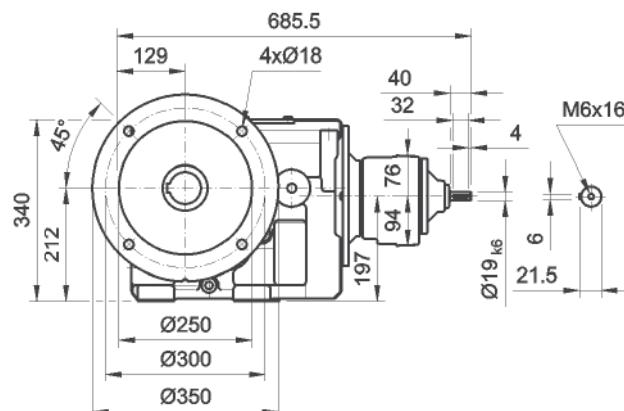


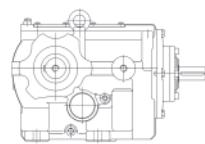
SKF..56C16B/C-U

63 - 112

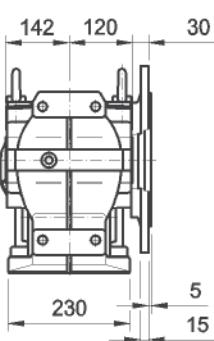


SKF..56C16B/C-I

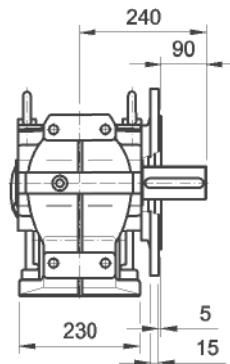




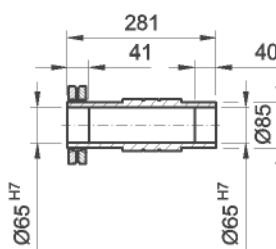
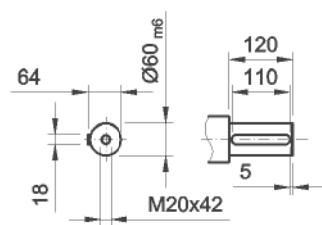
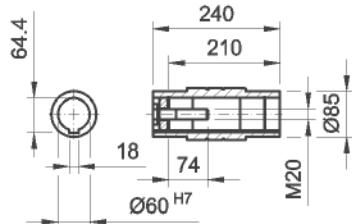
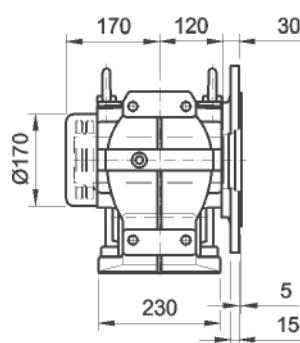
SKFH56C..



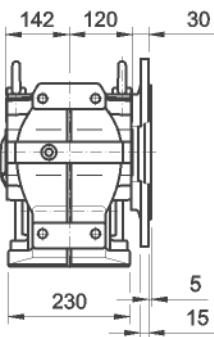
SKFN56C..



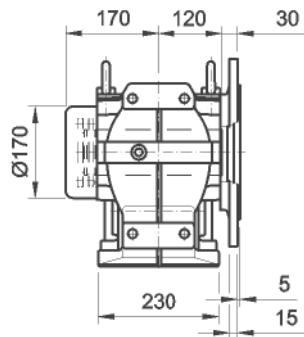
SKFS56C..



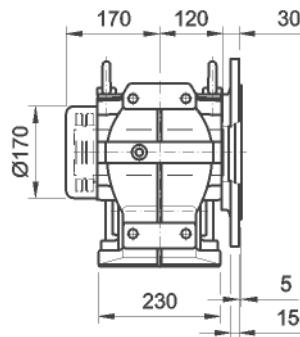
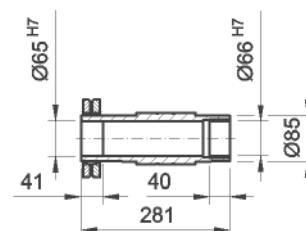
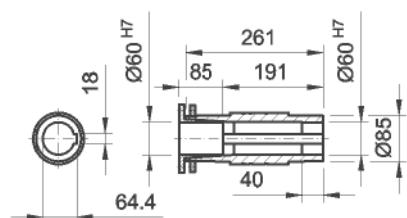
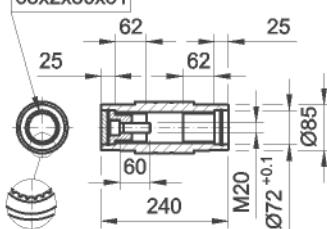
SKFT56C..



SKFB56C..

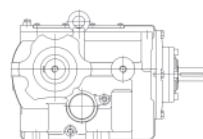


SKFC56C..

DIN 5480
65x2x30x31

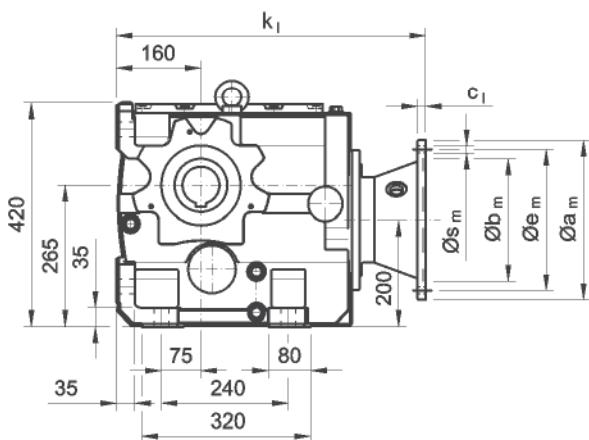


6. SK4

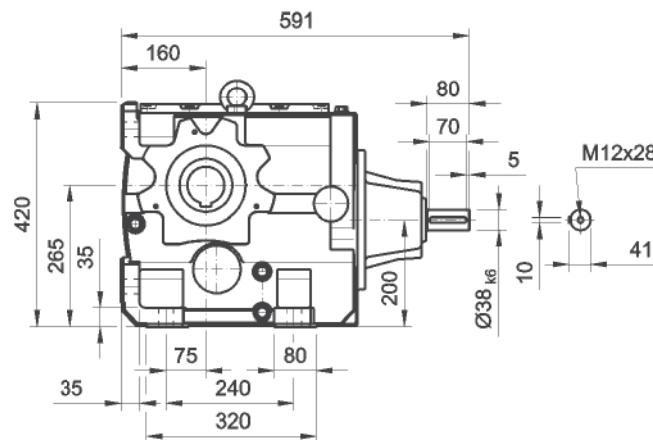


SKZ..66C-U

80 - 180

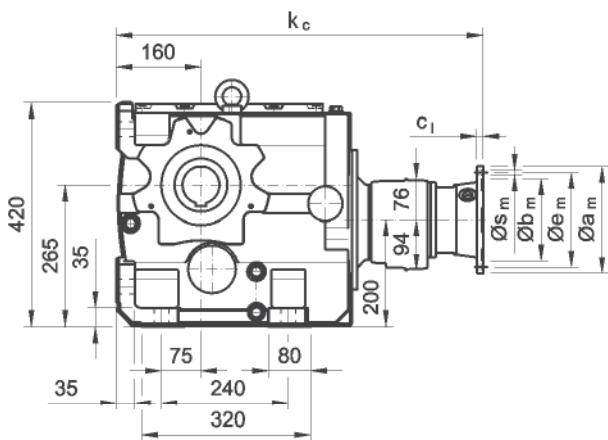


SKZ..66C-I

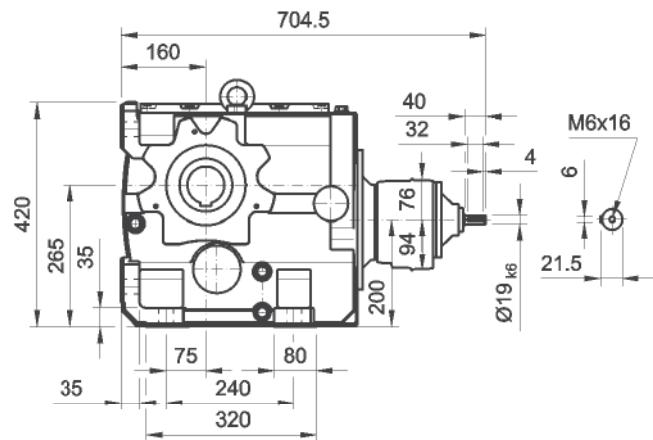


SKZ..66C16B/C-U

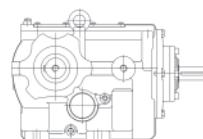
63 - 112



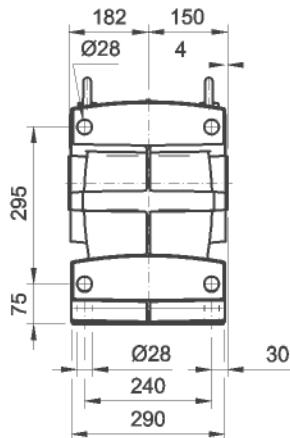
SKZ..66C16B/C-I



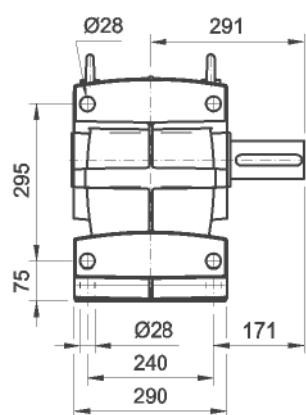
	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L				
k_1				522	522	522	522	585	585	650	650	650	650				
c_1	8	8	10	10	10	12	12	13	13	15	15	15	15				
\varnothing_{bm}	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7				
\varnothing_{em}	115	130	165	165	165	215	215	265	265	300	300	300	300				
\varnothing_{am}	140	160	200	200	200	250	250	300	300	350	350	350	350				
\varnothing_{sm}	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5				
k_c	692	692	692	692	692	692	692										



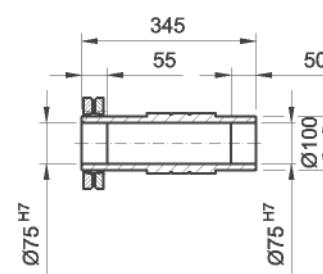
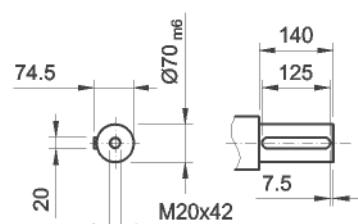
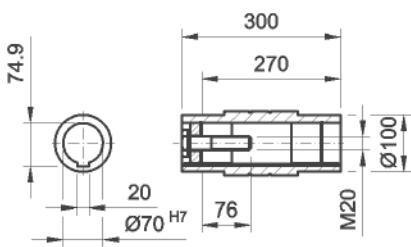
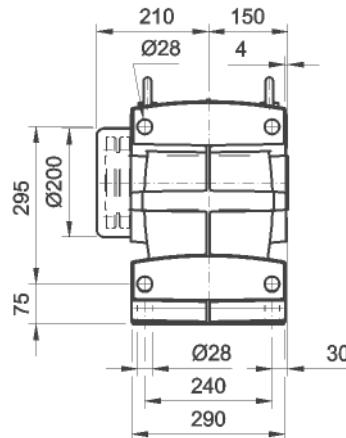
SKZH66C..



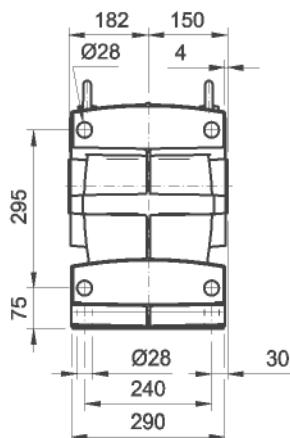
SKZN66C..



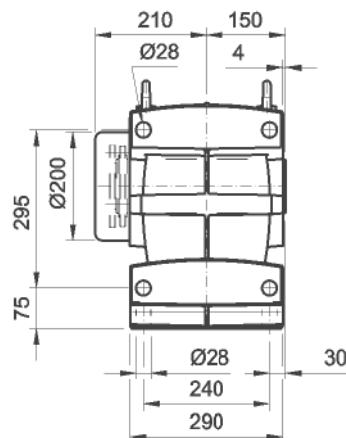
SKZS66C..



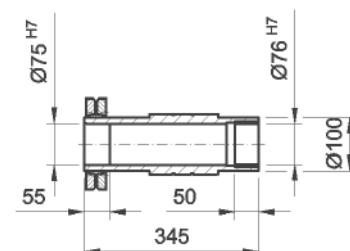
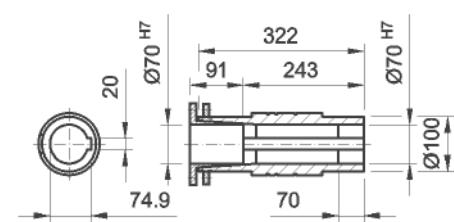
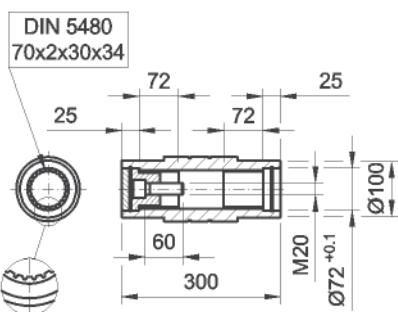
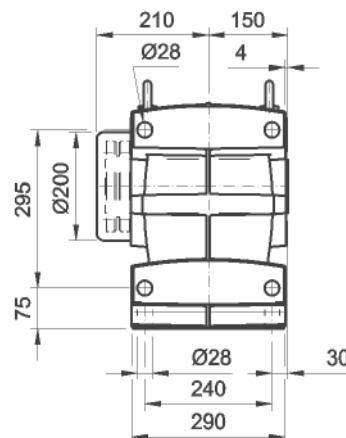
SKZT66C..



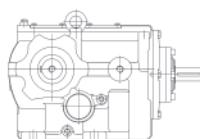
SKZB66C..



SKZC66C..

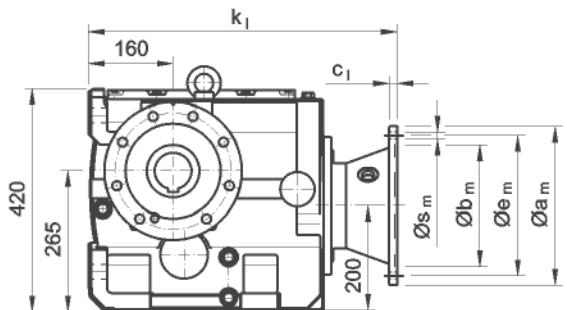


6. SK4

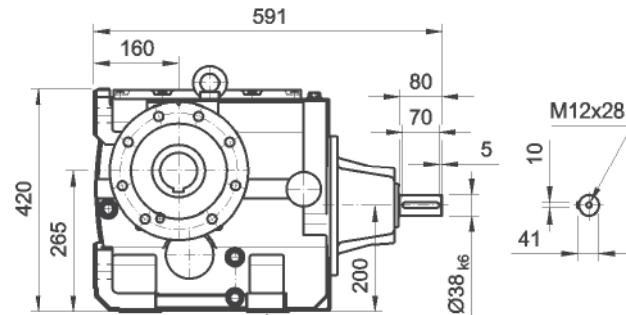


SKT..66C-U

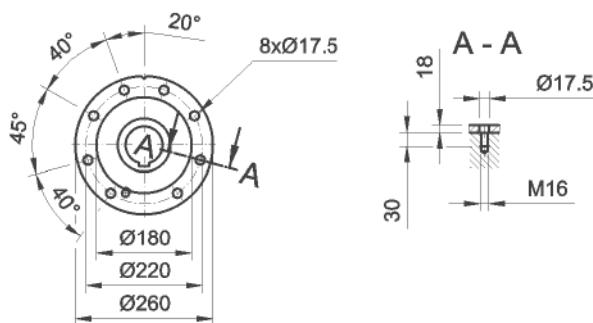
80 - 180



SKT..66C-I

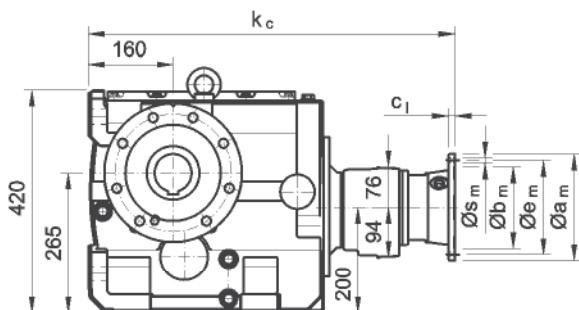


SKT..66C..

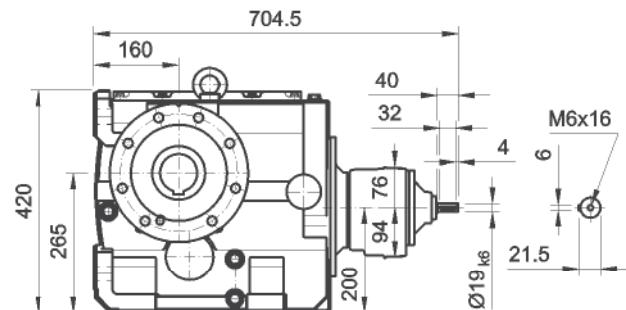


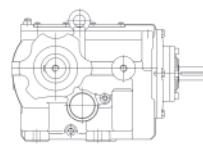
SKT..66C16B/C-U

63 - 112

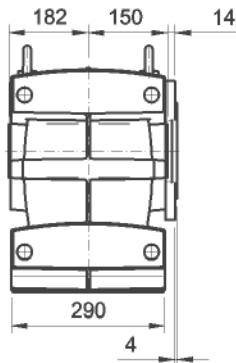


SKT..66C16B/C-I

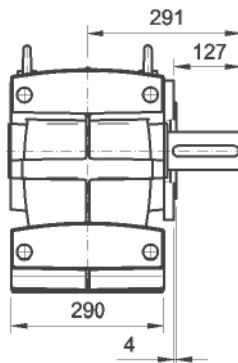




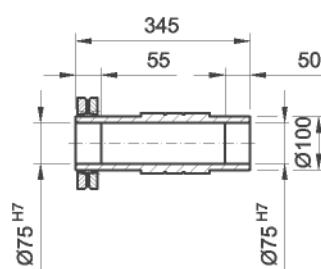
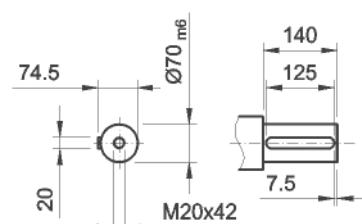
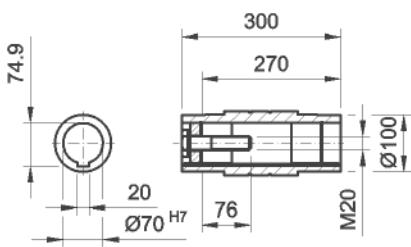
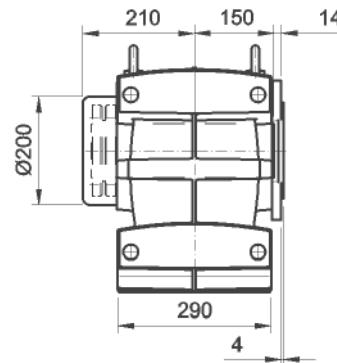
SKTH66C..



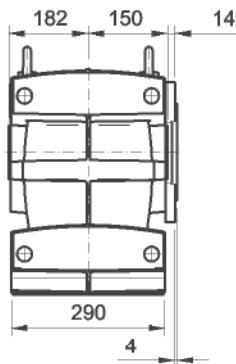
SKTN66C..



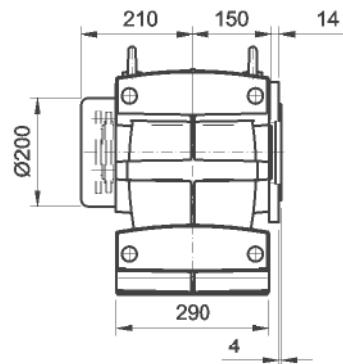
SKTS66C..



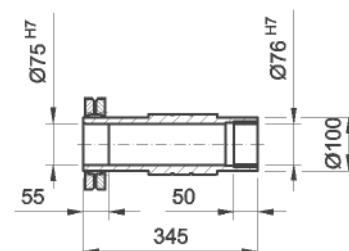
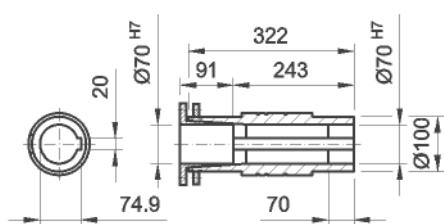
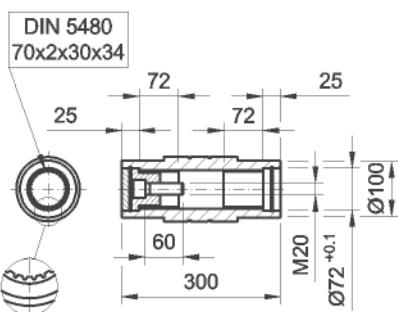
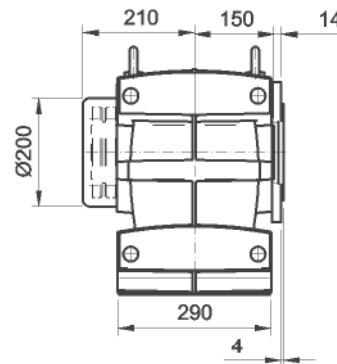
SKTT66C..



SKTB66C..

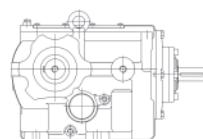


SKTC66C..



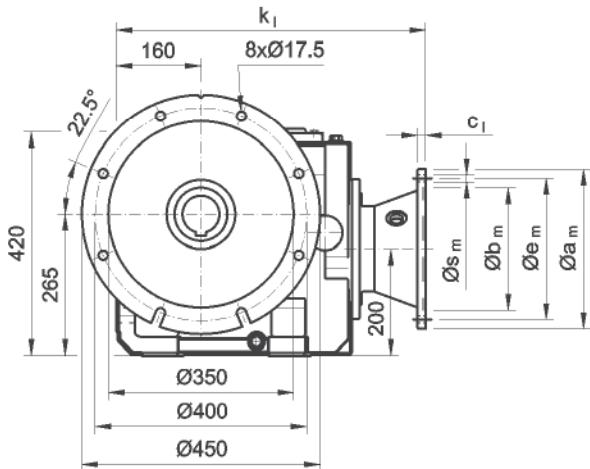


6. SK4

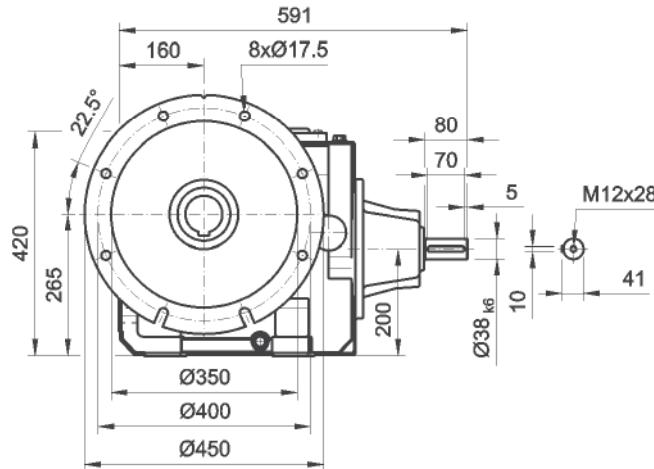


SKF..66C-U

80 - 180

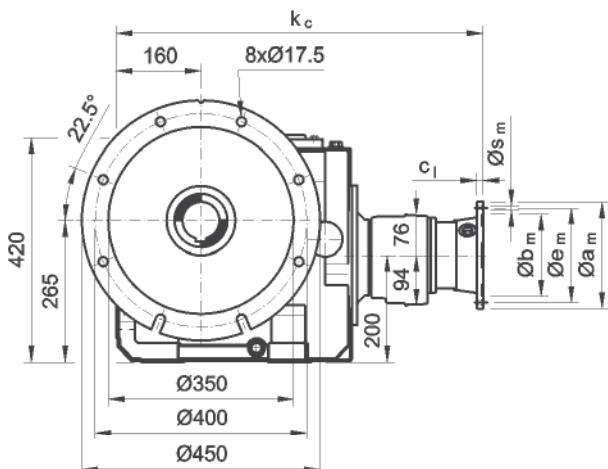


SKF..66C-I

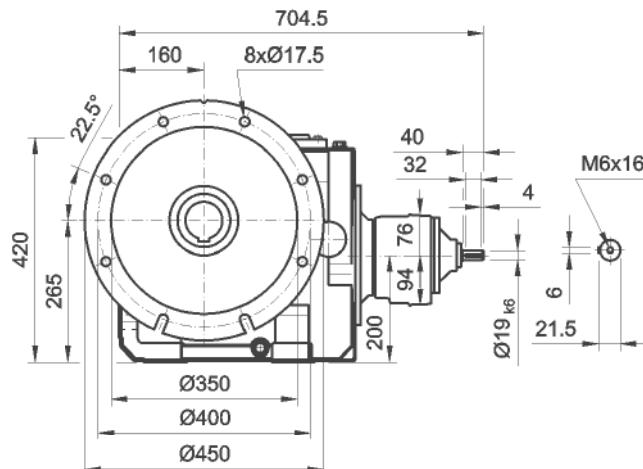


SKF..66C16B/C-U

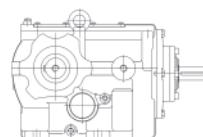
63 - 112



SKF..66C16B/C-I

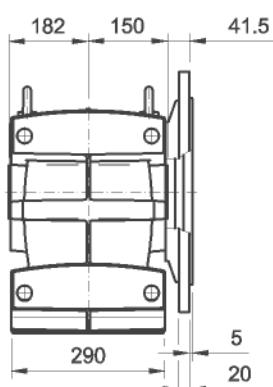


	63	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L			
k_1			522	522	522	522	522	584,5	584,5	649,5	649,5	649,5	649,5			
c_1	8	8	10	10	10	12	12	13	13	15	15	15	15			
\emptyset_{bm}	95H7	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7			
\emptyset_{em}	115	130	165	165	165	215	215	265	265	300	300	300	300			
\emptyset_{am}	140	160	200	200	200	250	250	300	300	350	350	350	350			
\emptyset_{sm}	4x M8x16	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5			
k_c	692	692	692	692	692	692	692									

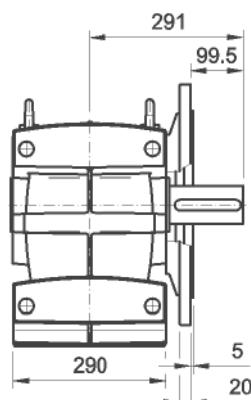


6. SK4

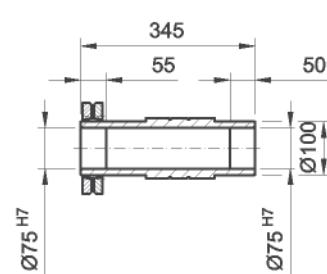
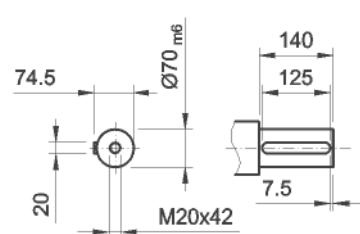
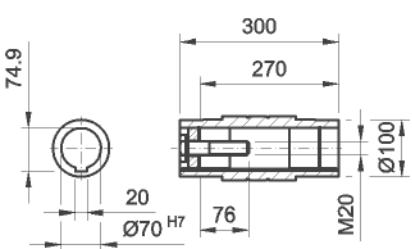
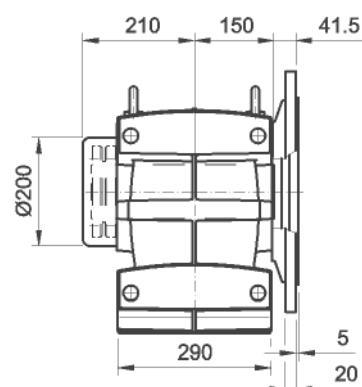
SKFH66C..



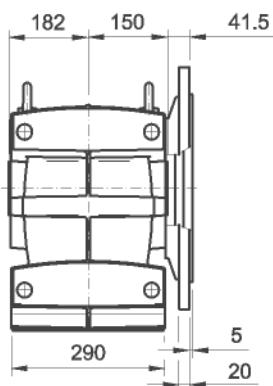
SKFN66C..



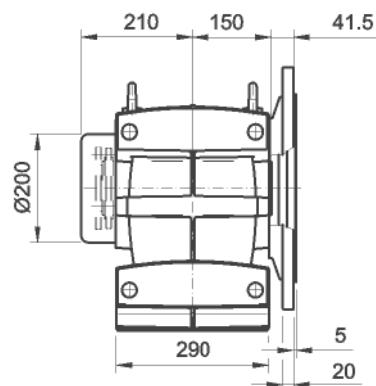
SKFS66C..



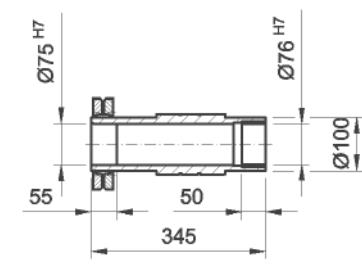
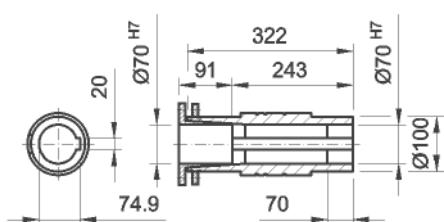
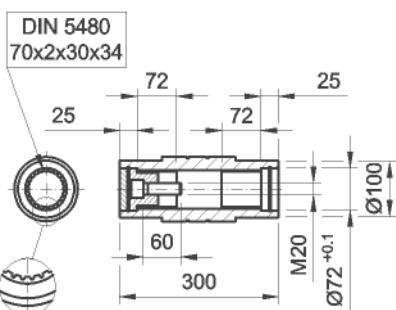
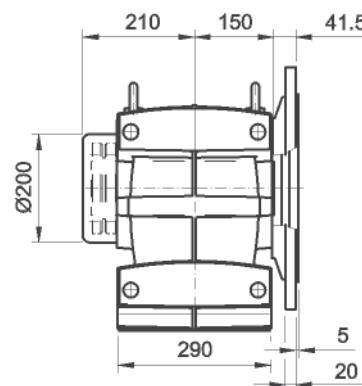
SKFT66C..



SKFB66C..

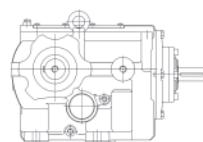


SKFC66C..





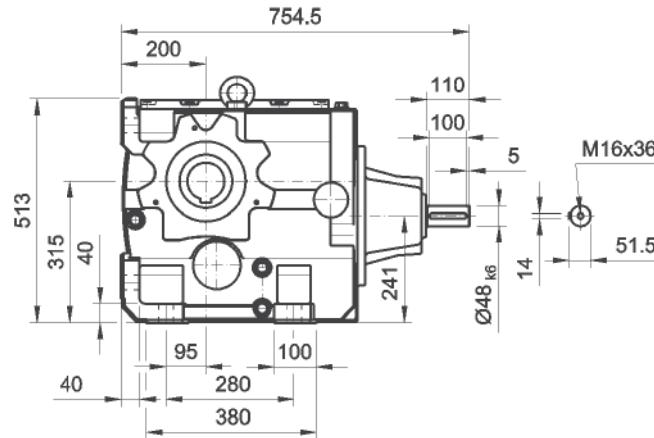
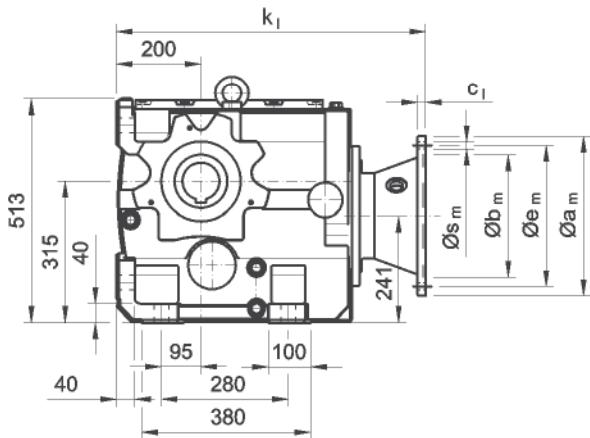
6. SK4



SKZ..76C-U

100 - 280

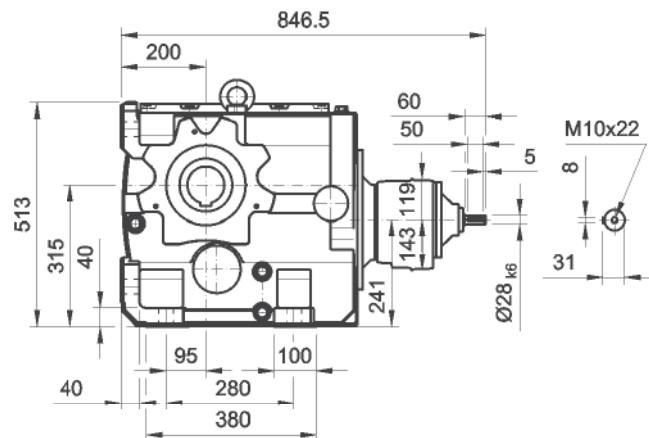
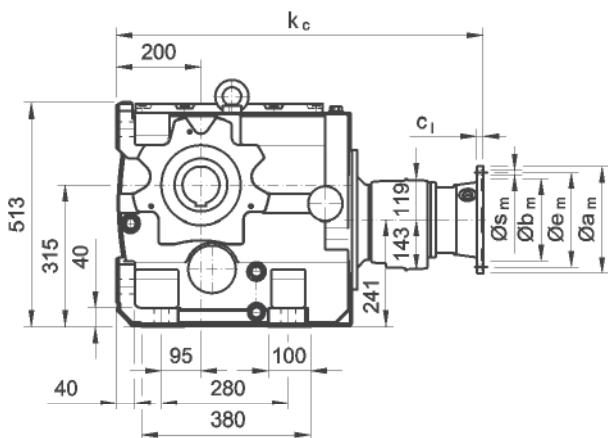
SKZ..76C-I



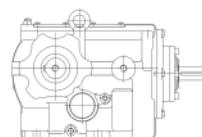
SKZ..76C36B/C-U

71 - 132

SKZ..76C36B/C-I

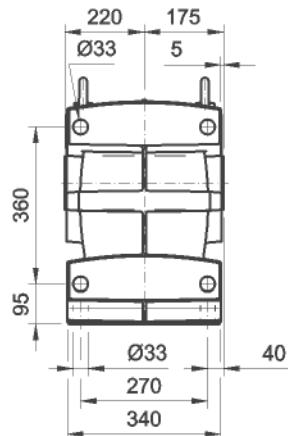


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	225S	260M	280S	280M	
k ₁					657	657	657	657	722	722	814	814	839	869	869	880	880	880	
c ₁	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Ø _{bm}	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Ø _{em}	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Ø _{am}	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Ø _{sm}	4x Ø8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
k _c	814	814	814	814	814	814	877	877											

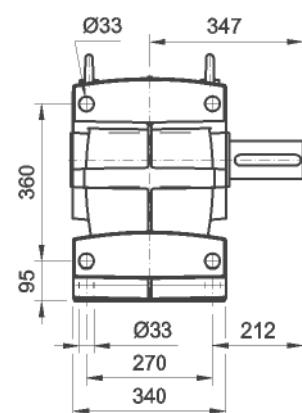


6. SK4

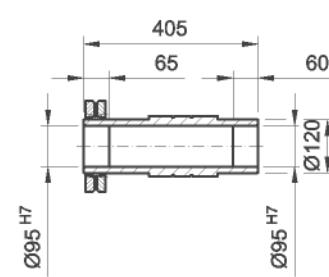
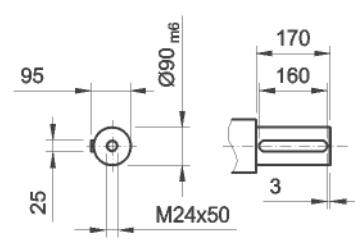
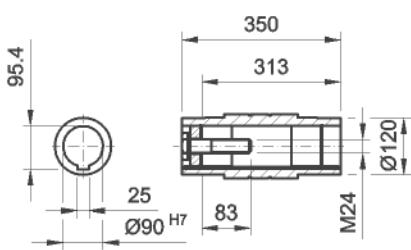
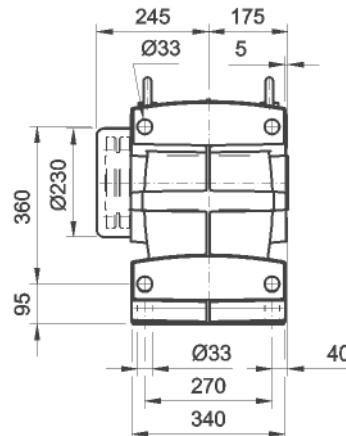
SKZH76C..



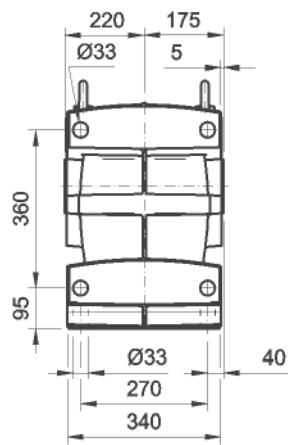
SKZN76C..



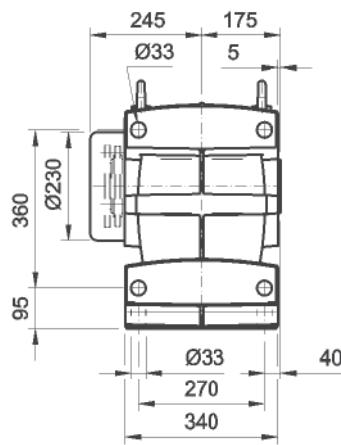
SKZS76C..



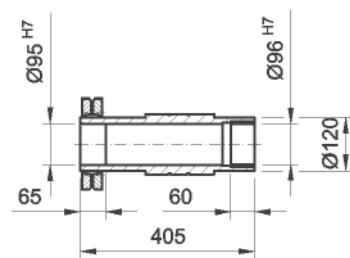
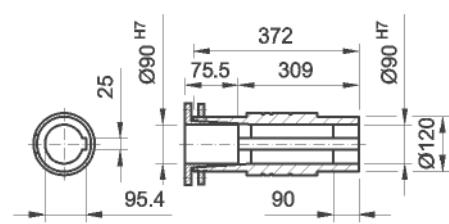
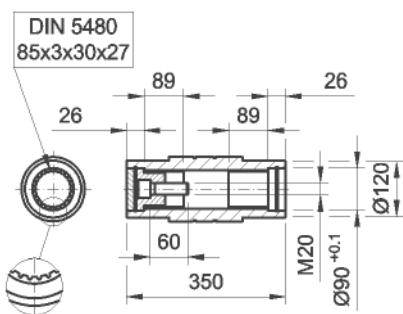
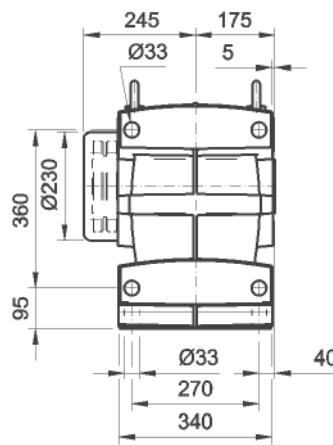
SKZT76C..



SKZB76C..

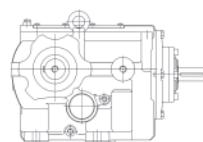


SKZC76C..



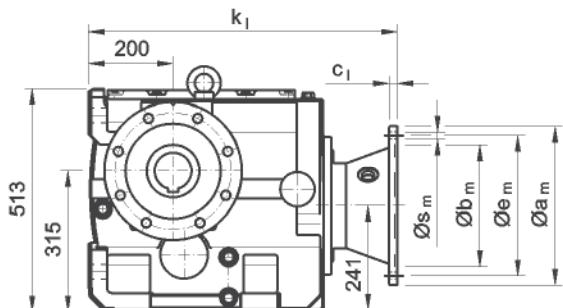


6. SK4

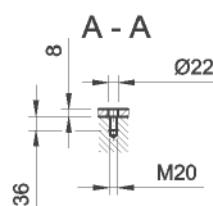
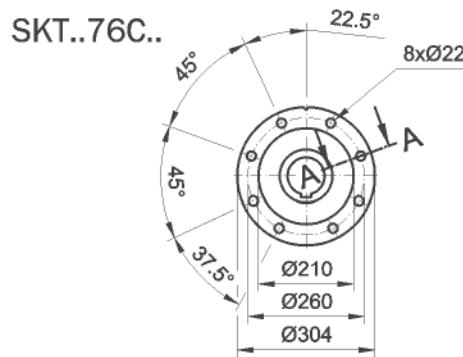
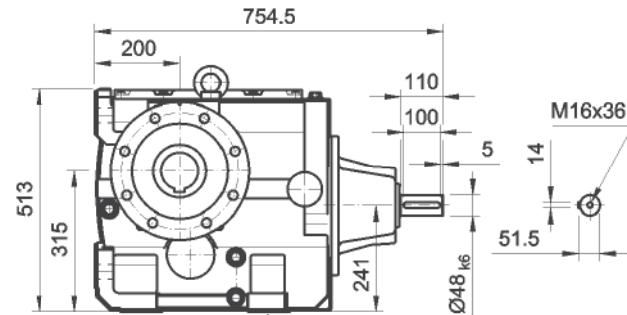


SKT..76C-U

100 - 280

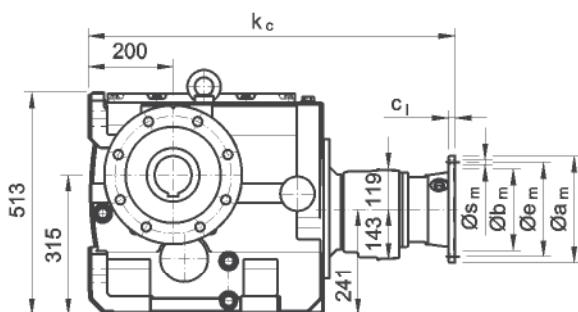


SKT..76C-I

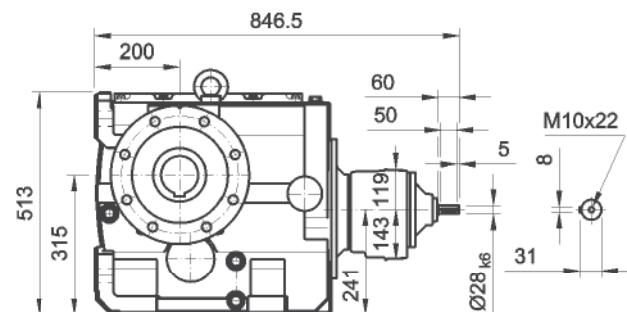


SKT..76C36B/C-U

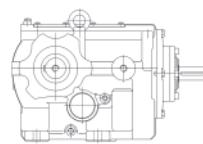
71 - 132



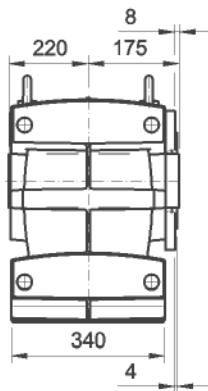
SKT..76C36B/C-I



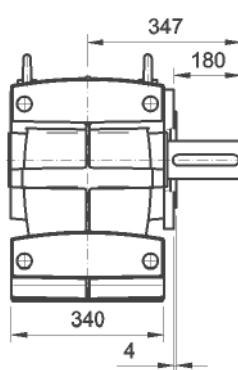
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	225S	260M	280S	280M	
k1					657	657	657	657	722	722	814	814	839	869	869	880	880	880	
c1	8	10	10	10	12	12	13	13	15	15	15	15	15	19	19	19	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	814	814	814	814	814	814	877	877											



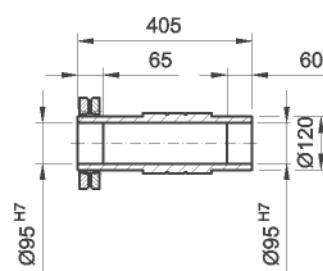
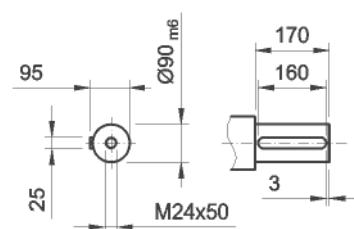
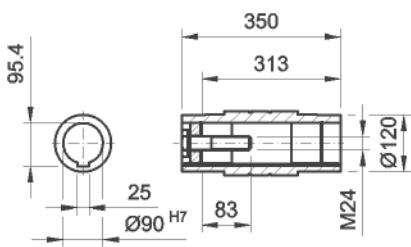
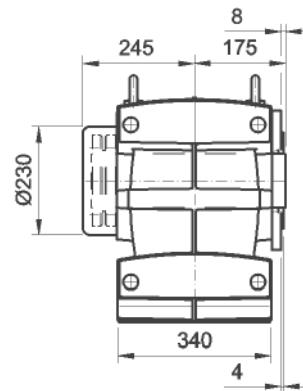
SKTH76C..



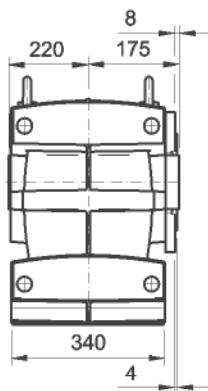
SKTN76C..



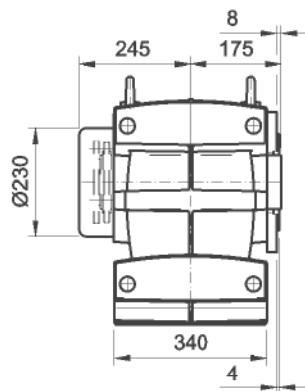
SKTS76C..



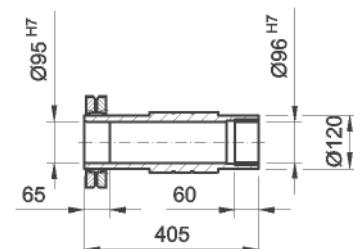
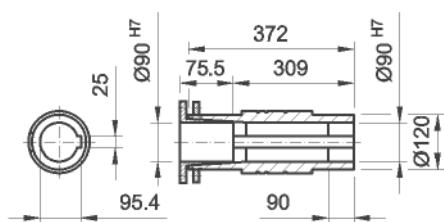
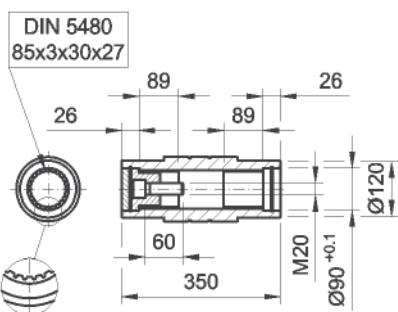
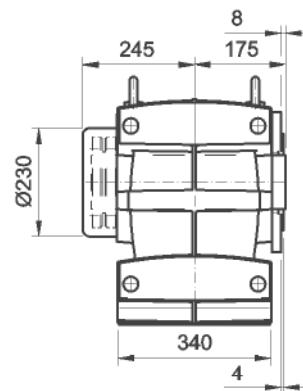
SKTT76C..



SKTB76C..

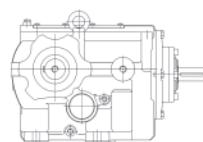


SKTC76C..



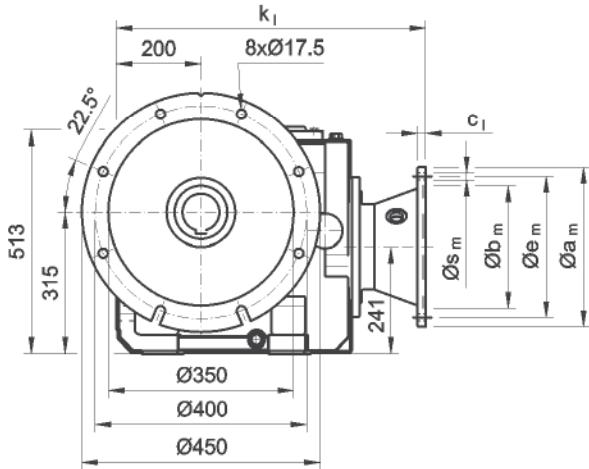


6. SK4

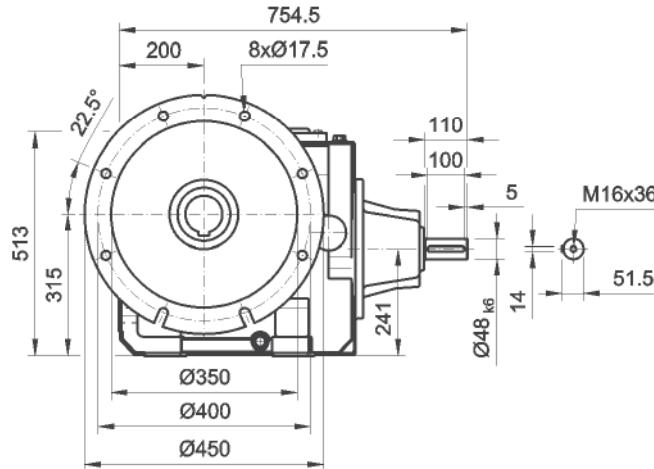


SKF..76C-U

100 - 280

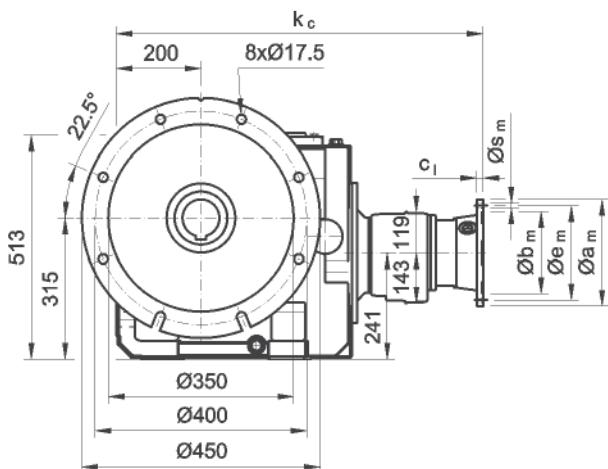


SKF..76C-I

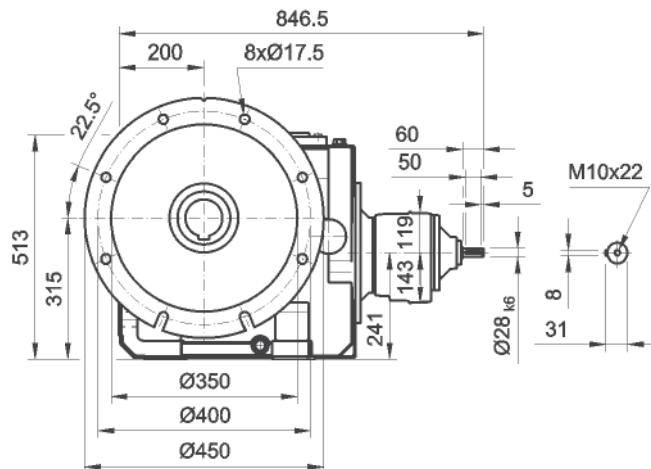


SKF..76C36B/C-U

71 - 132

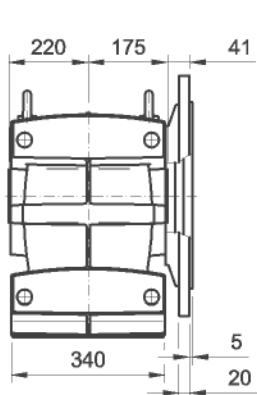


SKF..76C36B/C-I

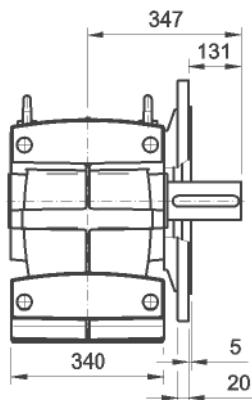


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					657	657	657	657	722	722	814	814	839	869	869	880	880	880	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	814	814	814	814	814	814	877	877											

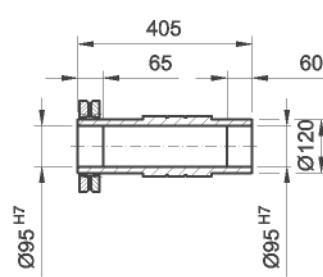
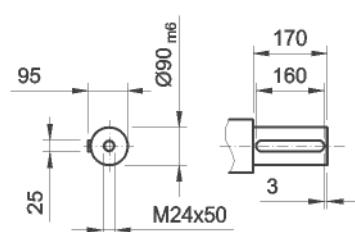
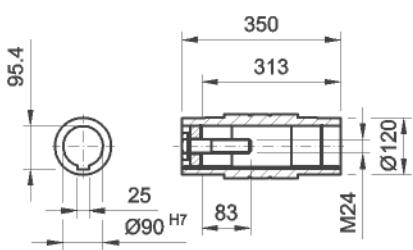
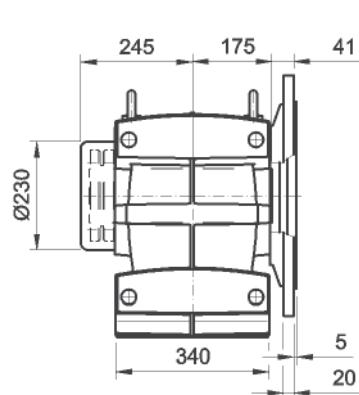
SKFH76C..



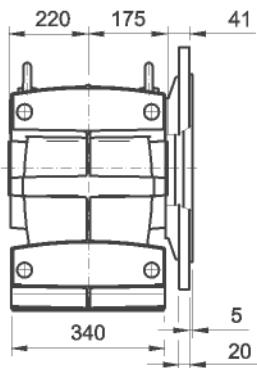
SKFN76C..



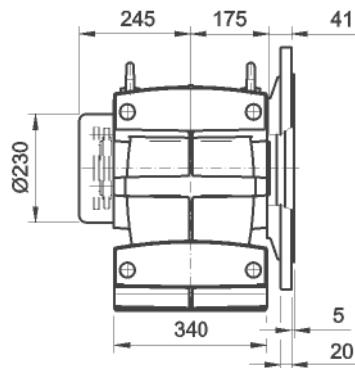
SKFS76C..



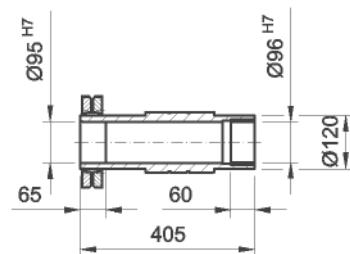
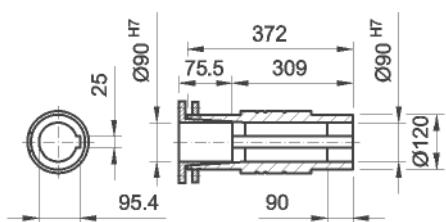
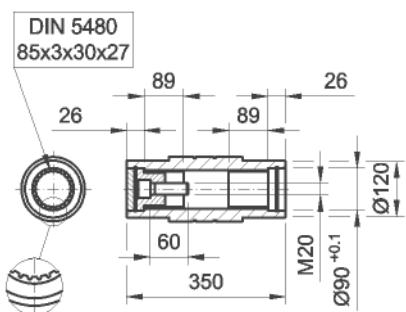
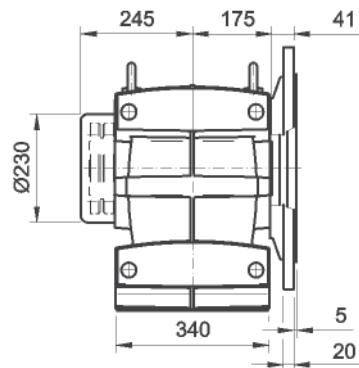
SKFT76C..



SKFB76C..

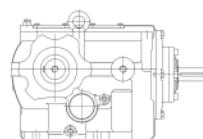


SKFC76C..





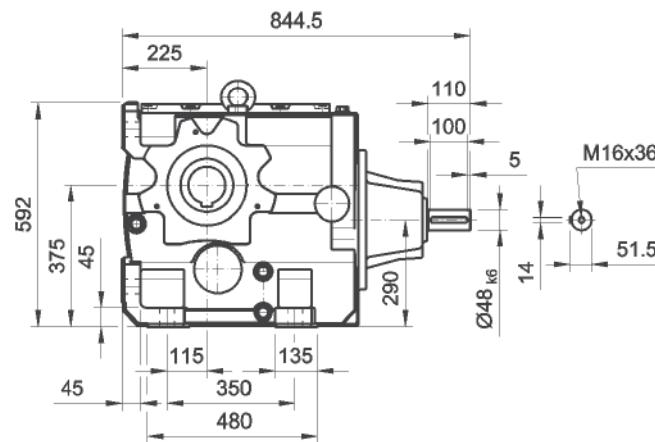
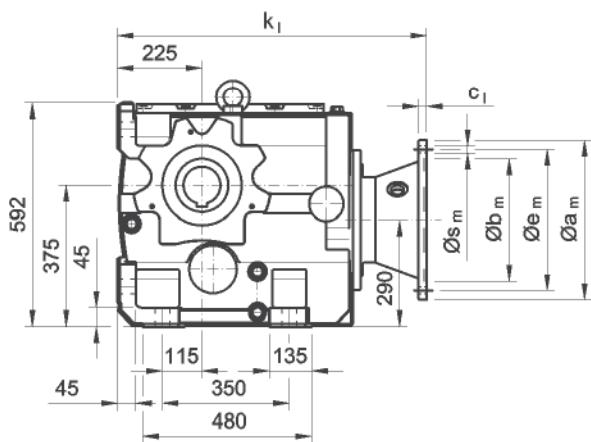
6. SK4



SKZ..86C-U

100 - 280

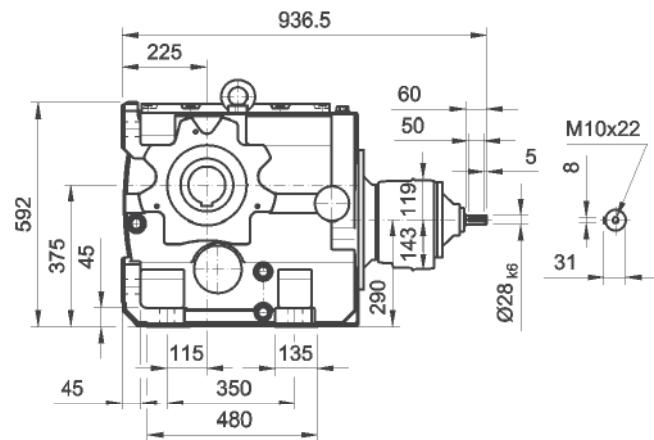
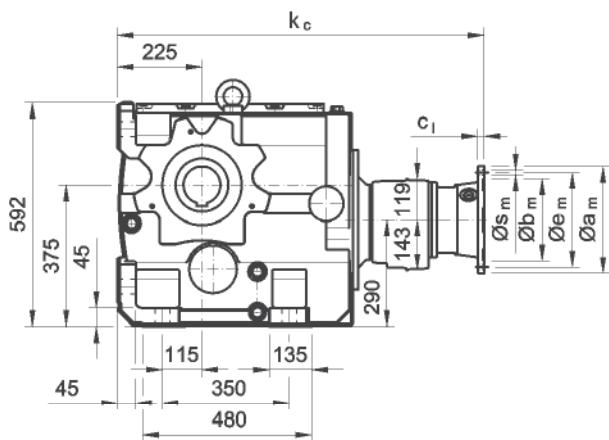
SKZ..86C-I



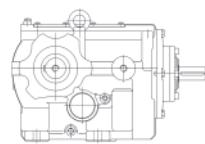
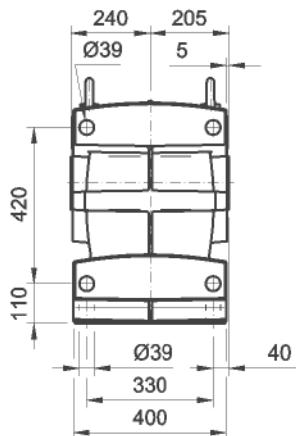
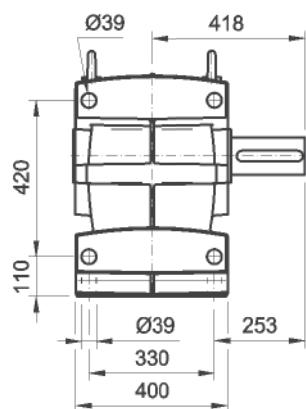
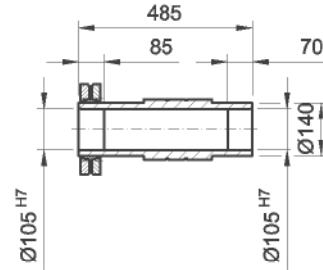
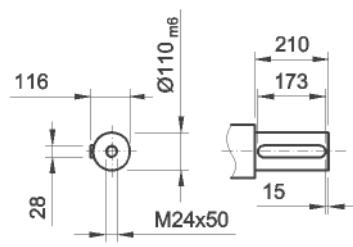
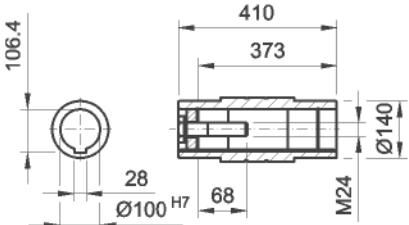
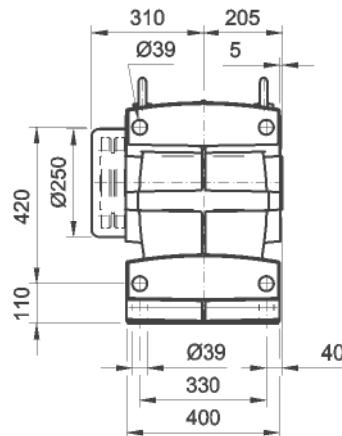
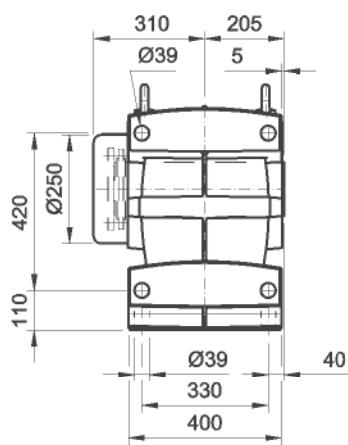
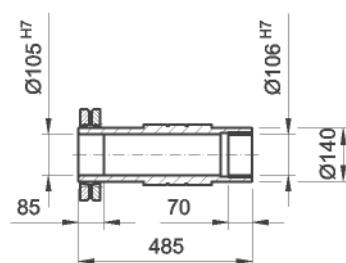
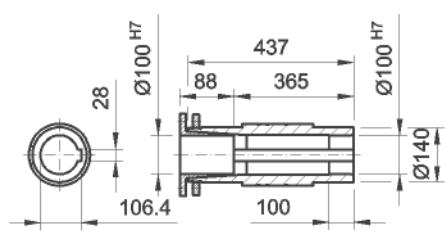
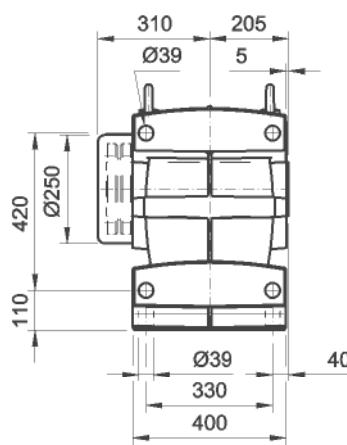
SKZ..86C36B/C-U

71 - 132

SKZ..86C36B/C-I

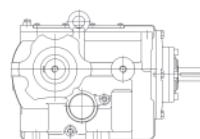


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	260M	280S	280M	
k1					747	747	747	747	812	812	904	904	929	959	959	970	970	970	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	904	904	904	904	904	904	967	967											

**SKZH86C..****SKZN86C..****SKZS86C..****SKZB86C..****SKZC86C..**

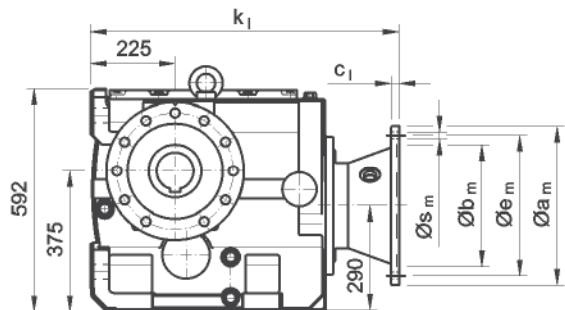


6. SK4

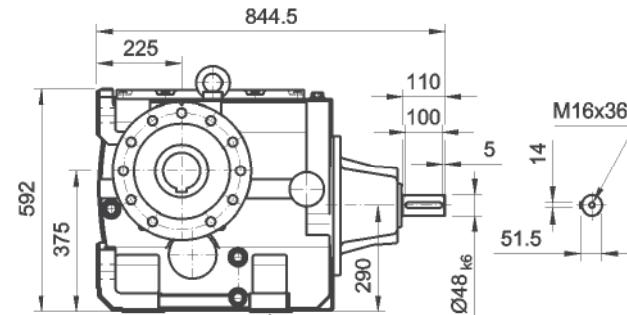


SKT..86C-U

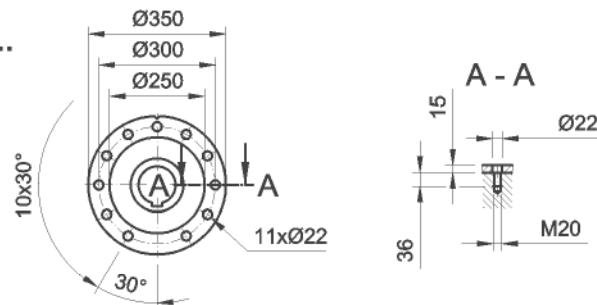
100 - 280



SKT..86C-I

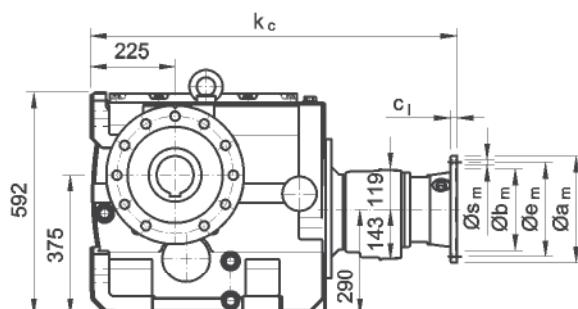


SKT..86C..

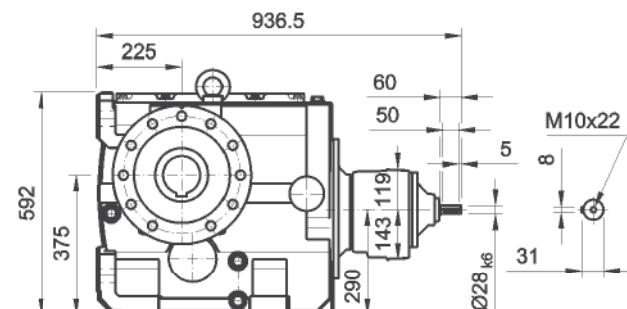


SKT..86C36B/C-U

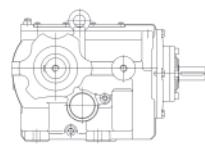
71 - 132



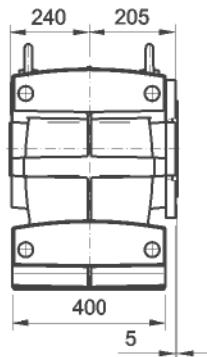
SKT..86C36B/C-I



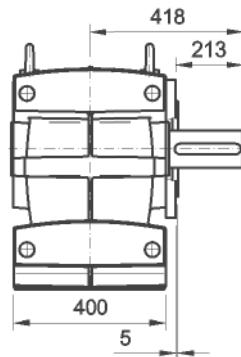
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	226S	260M	280S	280M	
k1					747	747	747	747	812	812	904	904	929	959	959	970	970	970	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5										
k_c	904	904	904	904	904	904	967	967											



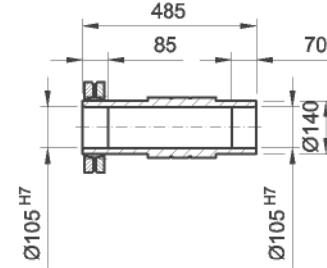
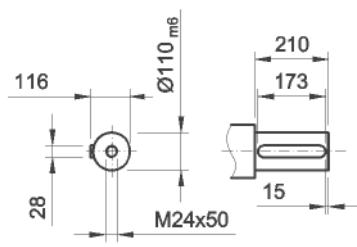
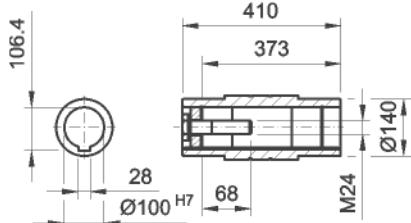
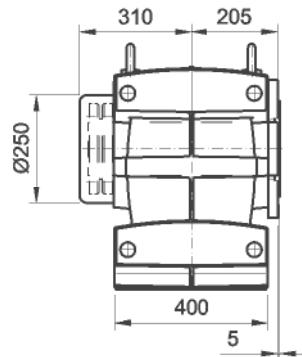
SKTH86C..



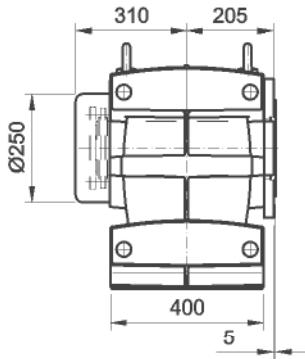
SKTN86C..



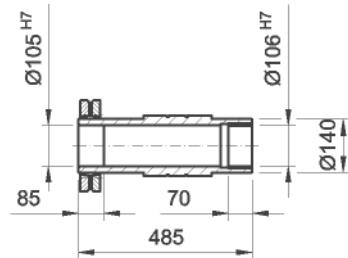
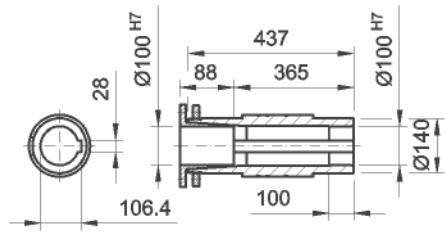
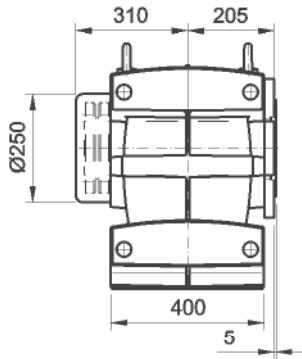
SKTS86C..



SKTB86C..

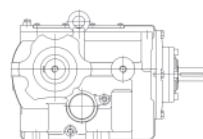


SKTC86C..



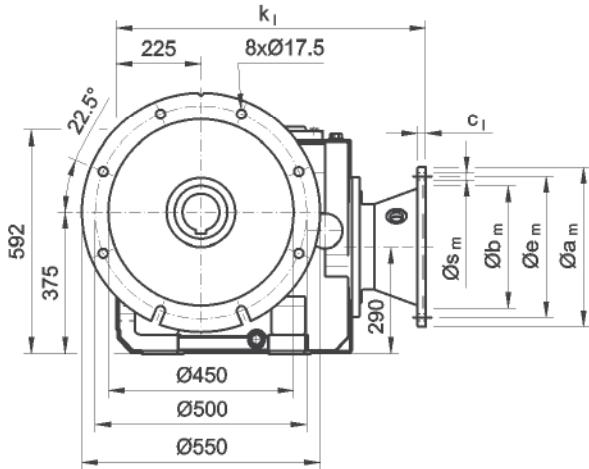


6. SK4

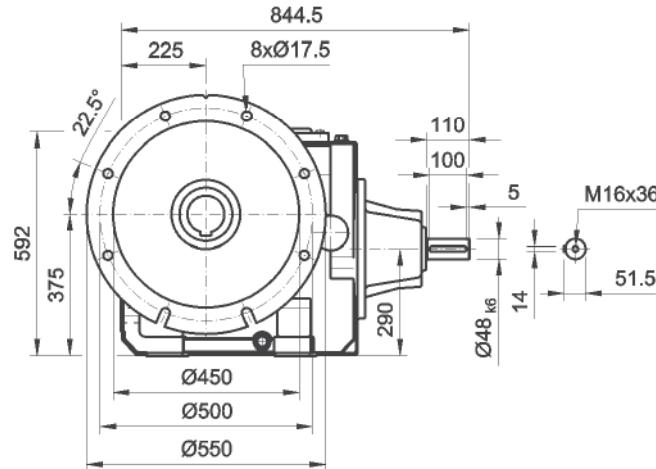


SKF..86C-U

100 - 280

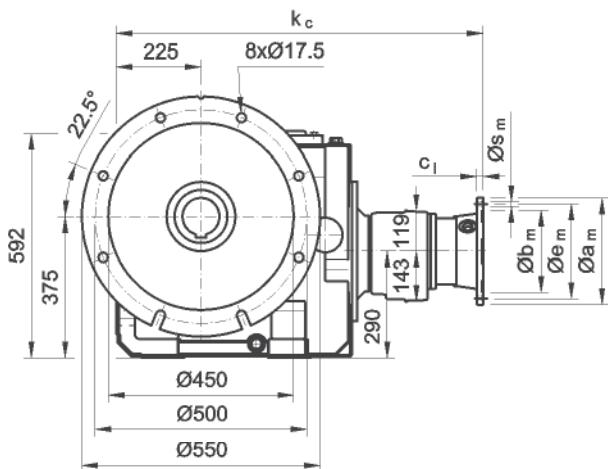


SKF..86C-I

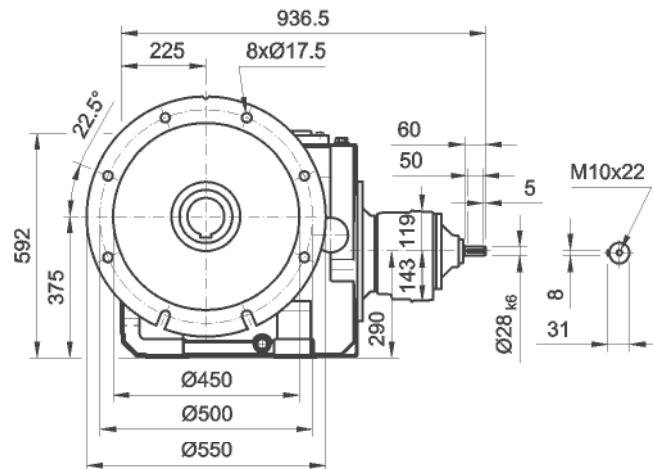


SKF..86C36B/C-U

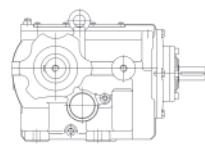
71 - 132



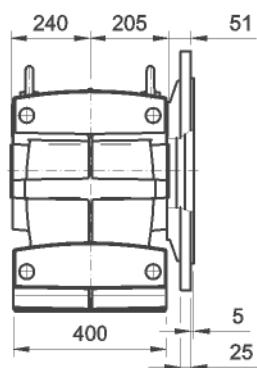
SKF..86C36B/C-I



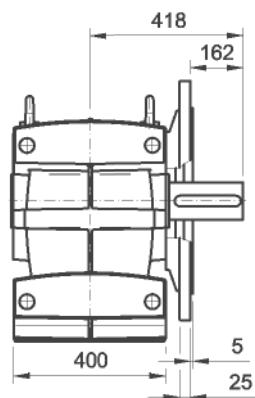
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	225M	225S	250M	280S	280M	
k1					747	747	747	747	812	812	904	904	929	959	959	970	970	970	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	8x Ø17,5									
kc	904	904	904	904	904	904	967	967											



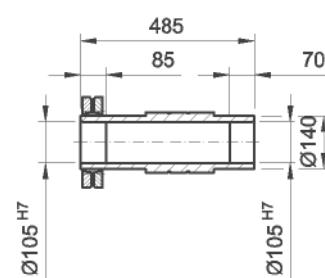
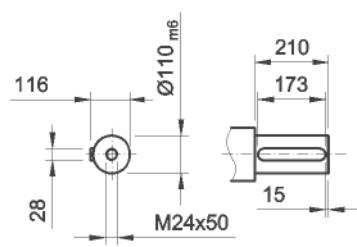
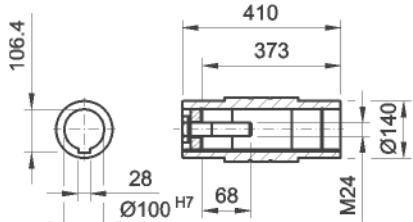
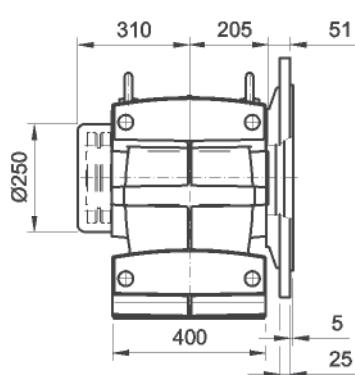
SKFH86C..



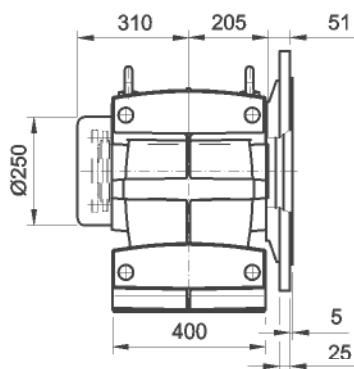
SKFN86C..



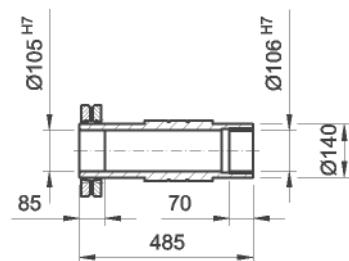
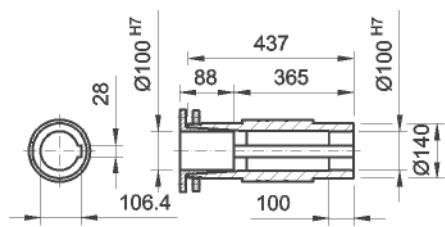
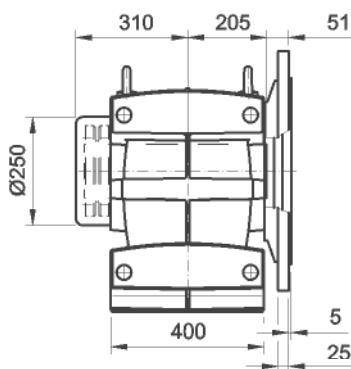
SKFS86C..



SKFB86C..

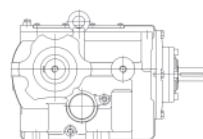


SKFC86C..





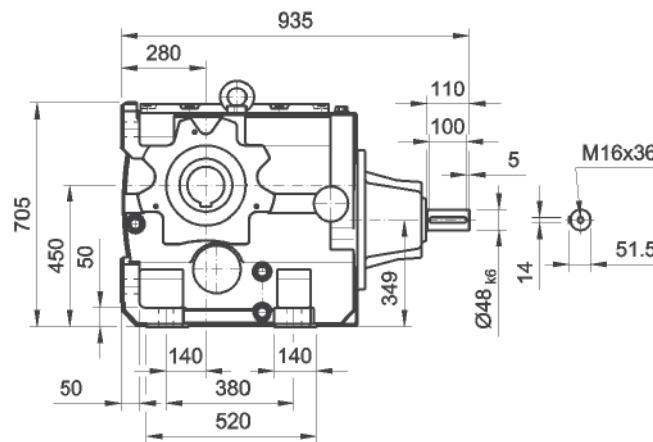
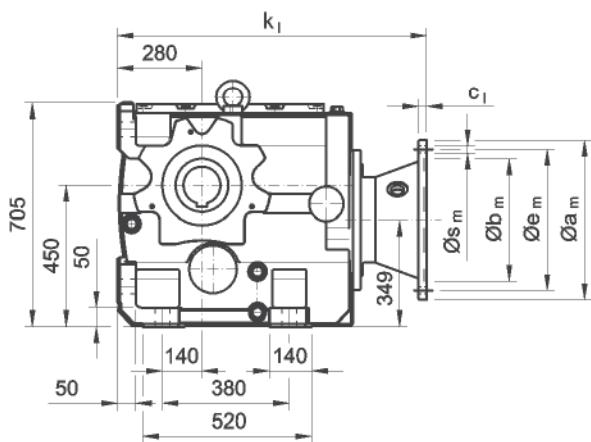
6. SK4



SKZ..96C-U

100 - 280

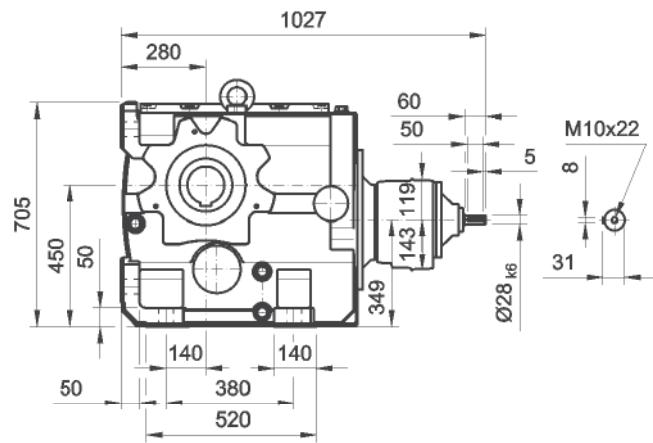
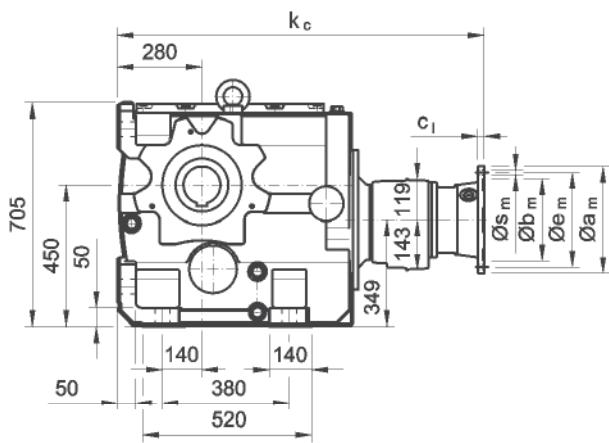
SKZ..96C-I



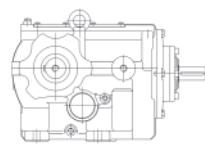
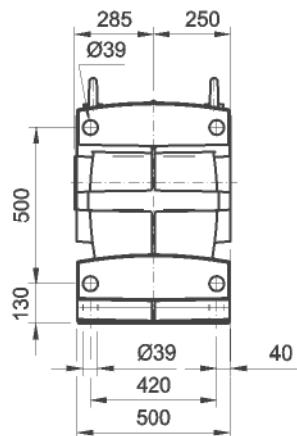
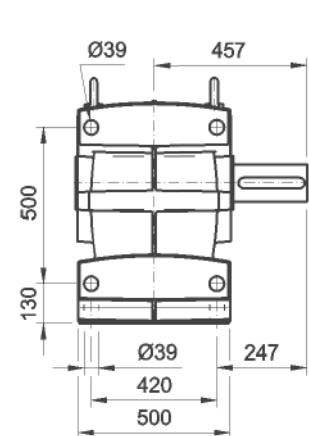
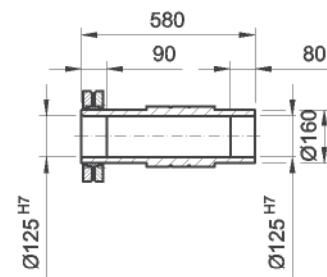
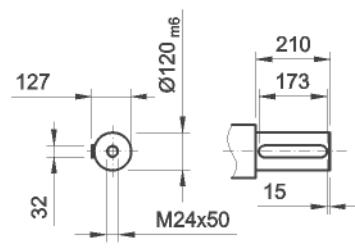
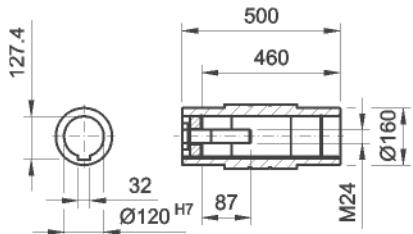
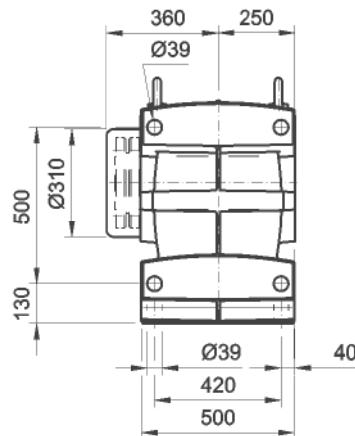
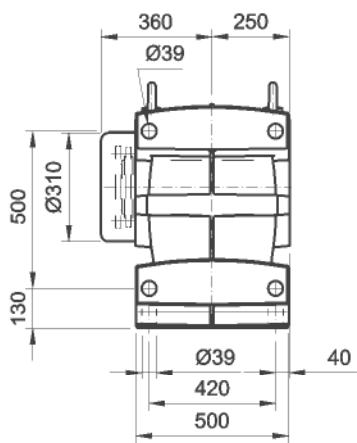
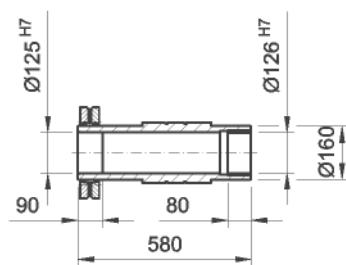
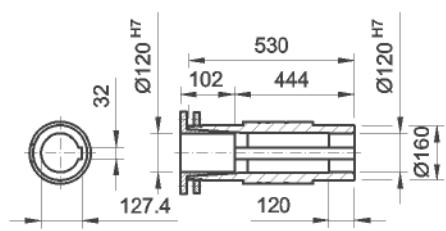
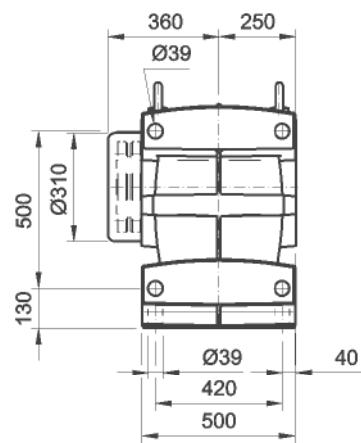
SKZ..96C36B/C-U

71 - 132

SKZ..96C36B/C-I

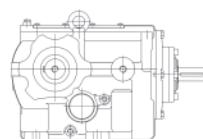


	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	225S	260M	280S	280M	
k ₁					837	837	837	837	902	902	995	995	1019	1049	1049	1060	1060	1060	
c ₁	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Ø _{bm}	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Ø _{em}	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Ø _{am}	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Ø _{sm}	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
k _c	995	995	995	995	995	995	1057	1057											

**SKZH96C..****SKZN96C..****SKZS96C..****SKZB96C..****SKZC96C..**

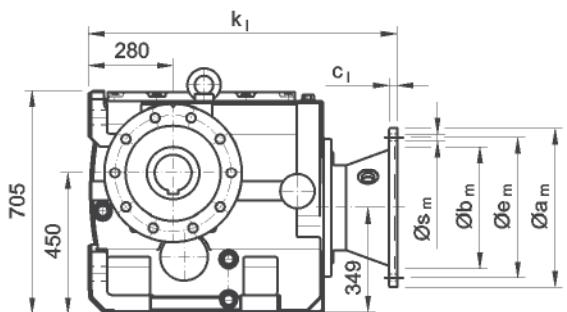


6. SK4

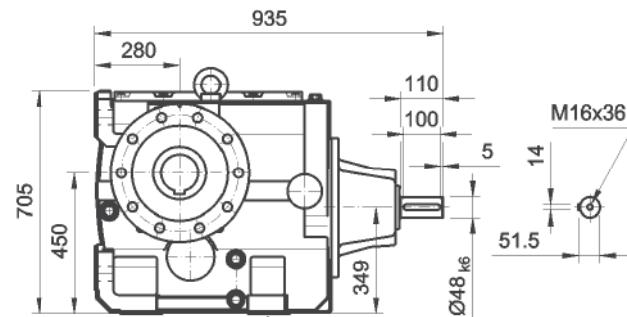


SKT..96C-U

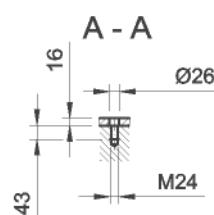
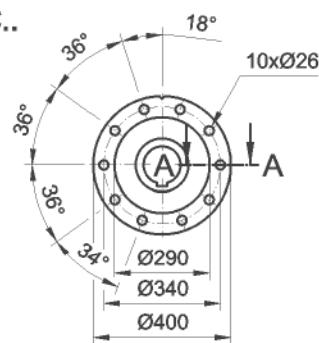
100 - 280



SKT..96C-I

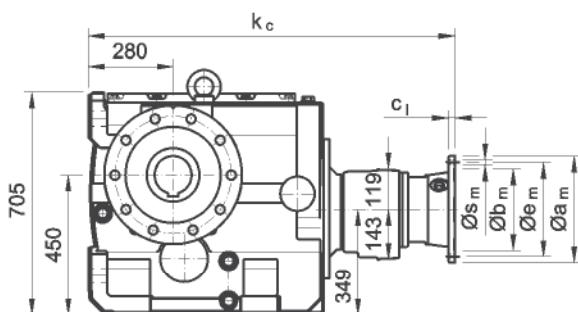


SKT..96C..

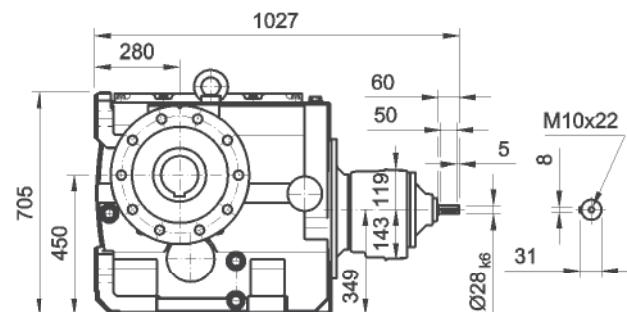


SKT..96C36B/C-U

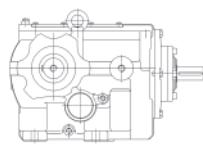
71 - 132



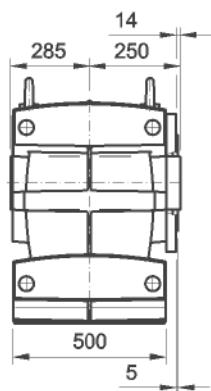
SKT..96C36B/C-I



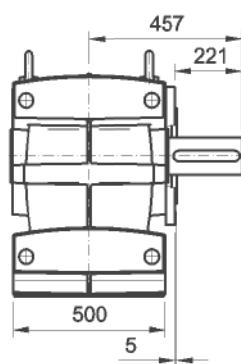
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	225S	260M	280S	280M	
k1					837	837	837	837	902	902	995	995	1019	1049	1049	1060	1060	1060	
c1	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	Ø17,5										
k2	995	995	995	995	995	995	1057	1057											



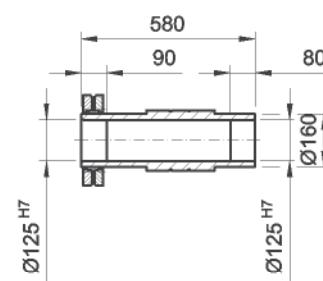
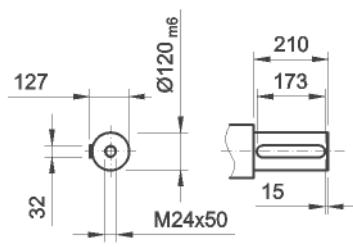
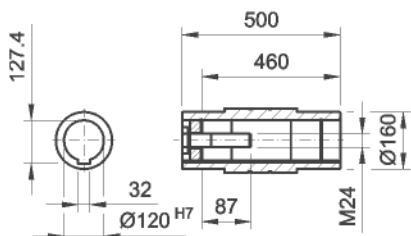
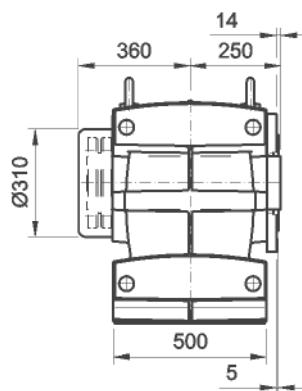
SKTH96C..



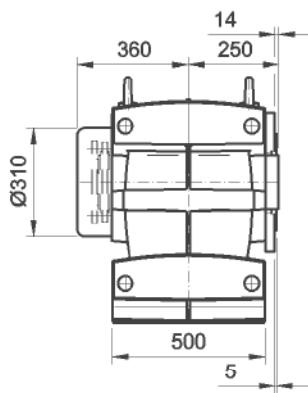
SKTN96C..



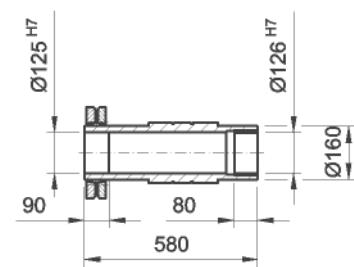
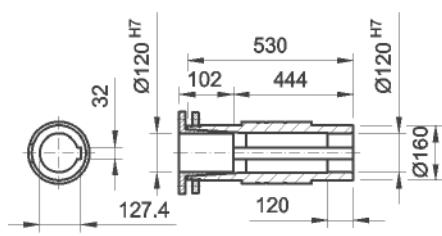
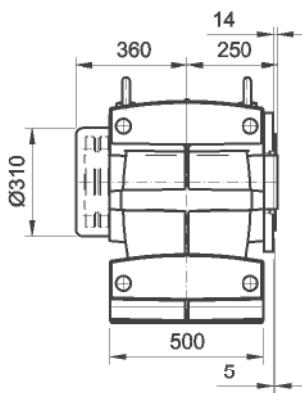
SKTS96C..



SKTB96C..

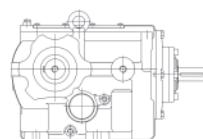


SKTC96C..



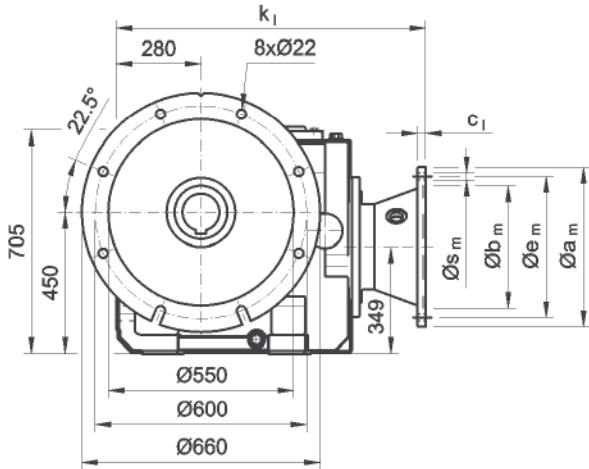


6. SK4

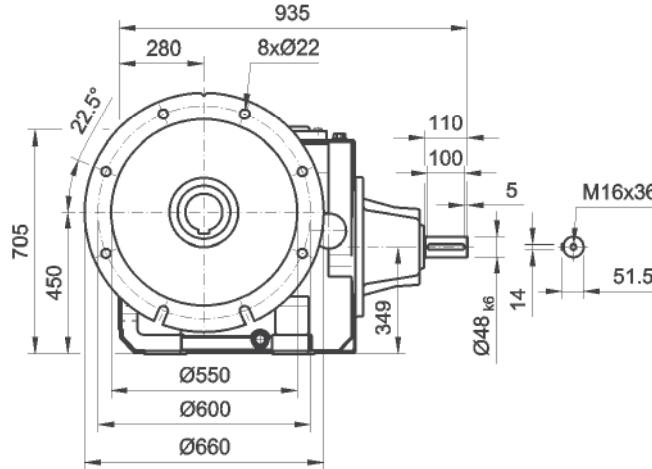


SKF..96C-U

100 - 280

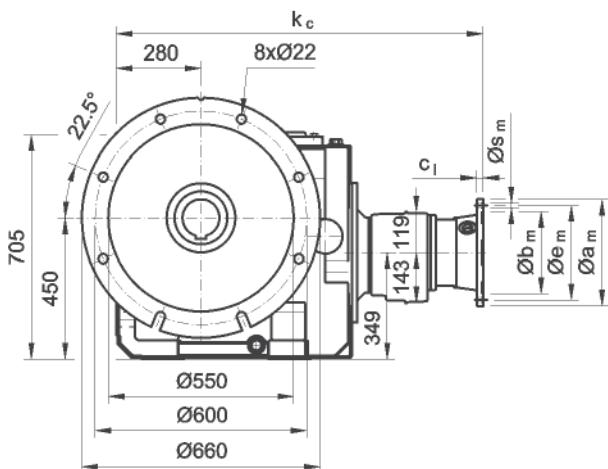


SKF..96C-I

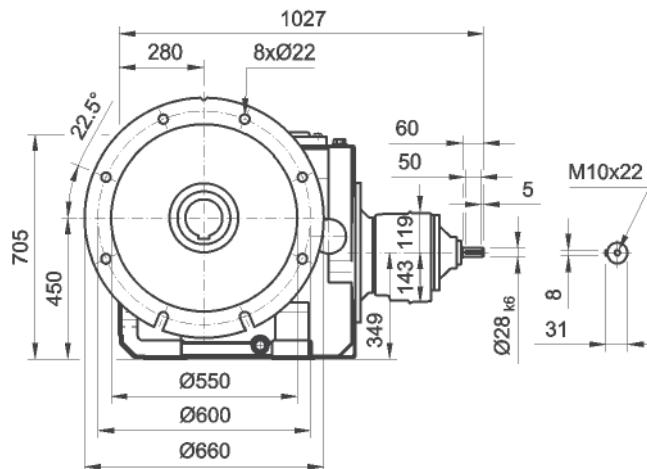


SKF..96C36B/C-U

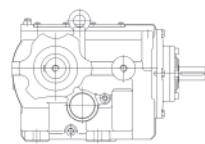
71 - 132



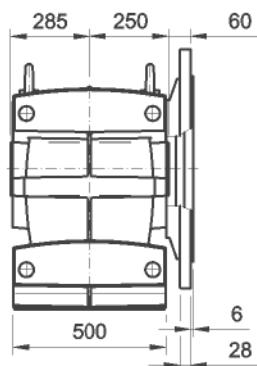
SKF..96C36B/C-I



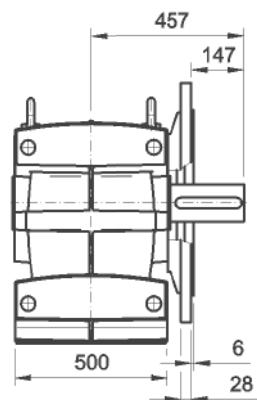
	71	80	90S	90L	100	112	132S	132M	160M	160L	180M	180L	200L	226M	225S	260M	280S	280M	
k _l					837	837	837	837	902	902	995	995	1019	1049	1049	1060	1060	1060	
c _l	8	10	10	10	12	12	13	13	15	15	15	15	19	19	19	25	25	25	
Øbm	110H7	130H7	130H7	130H7	180H7	180H7	230H7	230H7	250H7	250H7	250H7	250H7	300H7	350G7	350G7	450G7	450G7	450G7	
Øem	130	165	165	165	215	215	265	265	300	300	300	300	350	400	400	500	500	500	
Øam	160	200	200	200	250	250	300	300	350	350	350	350	400	450	450	550	550	550	
Øsm	4x M8x16	4x Ø11	4x Ø11	4x Ø11	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø13,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	4x Ø17,5	8x Ø17,5						
kc	995	995	995	995	995	995	1057	1057											



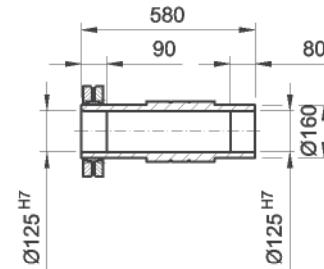
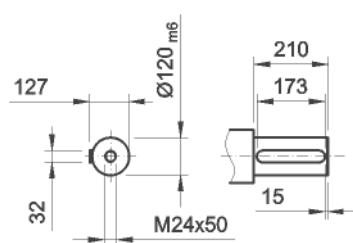
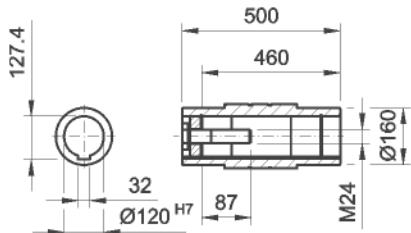
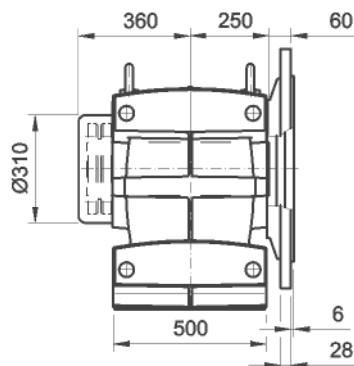
SKFH96C..



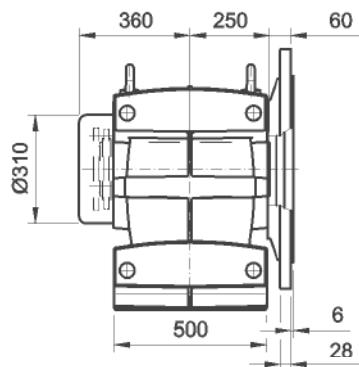
SKFN96C..



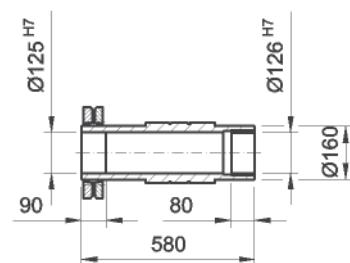
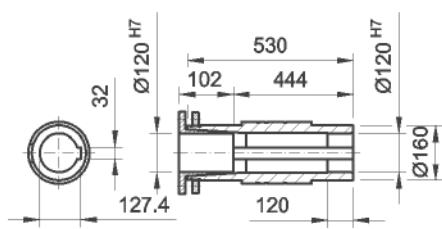
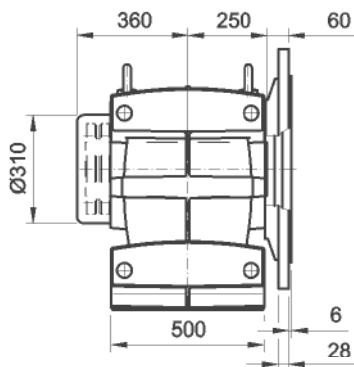
SKFS96C..



SKFB96C..



SKFC96C..



6. SK4

Notizen / Notice / Notes:

7. Technical Appendix

7 Technical Appendix

7.1 Technical Appendix, General

7.1.1 Symbols used

Formula sign	Description
C	Correction factor
$\cos \varphi$	Power factor
d	Speed of runner
F	Application factor
F_2	Factor dependent upon stray mass moment of inertia
F_b	Factor dependent upon output and operating time
F_m	Factor dependent upon load torque
F_{nN}	Permissible rated external load
F_{nN-G}	Permissible rated external load for reinforced bearing
F_p	Calculated radial load
f_r	Factor for the radial load
F_r	Calculated radial load (N)
F_x	Axial load
F_{xN}	Rated axial load
F_z	Dependent upon additional mass moment of inertia
i	Gear ratio
I_A	Starting current
i_{ex}	Exact gear ratio
i_N	Rated gear ratio
I_n	Rated current
J1	Inertia of brake hub and brake disk
J2	Inertia of the motor without brake
J3	Inertia of the motor with brake
JE	Inertia of the motor
J_{zus}	Inertia of the additional mass
M	Mass acceleration factor
m	Mass
M_b	Calculated bending moment
M_{bn}	Rated bending moment
η	Efficiency
n_1	Rated speed of the motor
n_2	Selection of the output speed
n_{2ex}	Exact speed of output shaft (full load)
Lp	Mean sound pressure level at 1 m, without load
n_{max}	Max. permissible speed
n_{syn}	Synchronous speed of the motor
P	Mechanical rated output of the gear unit
P_a	Output power
P_m	Motor output
P_N	Rated switching capacity (motor brake)
P_{zo}	Drive power

7. Technical Appendix

Formula sign	Description
r	Pitch circle radius of power transmission element
SF	Available service factor
SF _{min}	Required service factor
S _r	Speed range for motors with inverter
t _b	Brake time
t ₁	Operating time of the single-disc safety brake
t ₂	Braking time of the single-disc safety brake
T ₂	Torque at the output shaft
t ₃	Braking time of single-disc safety brakes switching at the AC side
T _A	Starting torque of the motor
T _a	Output torque (load torque)
T _B	Braking torque of the motor
T _K	Breakdown torque of the motor
T _n	Rated torque
T _s	Pull-up torque of the motor
W _{max}	Energy capability per braking
Z	Max. permissible operating frequency of brake motors
ZB	No. of brakings per hour
Z ₀₁	No-load operating frequency per hour without brake
Z ₀₂	No-load operating frequency per hour with brake

7. Technical Appendix

7.2 Project planning checklist

Data								
1. Load								
Motor output	P_m	= kW						
Motor speed		min^{-1}						
Output power	P_a	= kW						
Output torque	T_a	= Nm						
Operating time in hours/day	<table border="1"> <tr> <td>$\leq 8 \text{ h}$</td> <td>$\leq 16 \text{ h}$</td> <td>$\leq 24 \text{ h}$</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		$\leq 8 \text{ h}$	$\leq 16 \text{ h}$	$\leq 24 \text{ h}$			
$\leq 8 \text{ h}$	$\leq 16 \text{ h}$	$\leq 24 \text{ h}$						
Torque peaks T_a	T_a	= Nm						
Frequency		/h						
Duration		S						
Operating frequency		c/h						
Inertia of driven machine		kgm^2						
Acceleration time		s						
Reversing operation								
Backstop required								
2. Speed								
Constant speed								
Variable speed								
Direction of rotation: CW = clockwise								
CCW = counter clockwise								
3. Connection of motor/gear unit								
Geared motor (integrated assembly)								
Gear unit for IEC motors								
Free drive shaft								
Coupling								
V-belt drive:								
Diameter of belt pulley:								
Motor	\emptyset	mm						
Gear unit	\emptyset	mm						
Belt profile								
Number of belts								
Other: please specify								
4. Connection of gear unit/driven machine								
Coupling								
Sprocket, diameter	\emptyset	mm						
Pinion, diameter	\emptyset	mm						
Other: please specify								



7. Technical Appendix

5. External load on output shaft

Radial load

$$\boxed{} = F_r \text{ N}$$

Distance between point of action
and shaft shoulder

$$L_r = \boxed{} \text{ mm}$$

Direction of load (see below)

$$Q_r = \boxed{}^\circ$$

Axial load

Pointing to the gear unit

$$F_x = + \boxed{} \text{ N}$$

Pointing away from the gear unit

$$F_x = - \boxed{} \text{ N}$$

6. External load on drive shaft

Radial load

$$\boxed{} = F_{rHSS} \text{ N}$$

Distance between point of action
and shaft shoulder

$$L_{rHSS} = \boxed{} \text{ mm}$$

Direction of load

$$Q_{rHSS} = \boxed{}^\circ$$

Axial load

Pointing to the gear unit

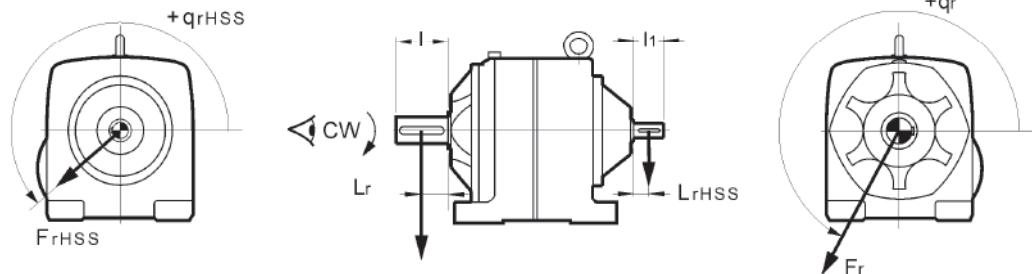
$$F_x = + \boxed{} \text{ N}$$

Pointing away from the gear unit

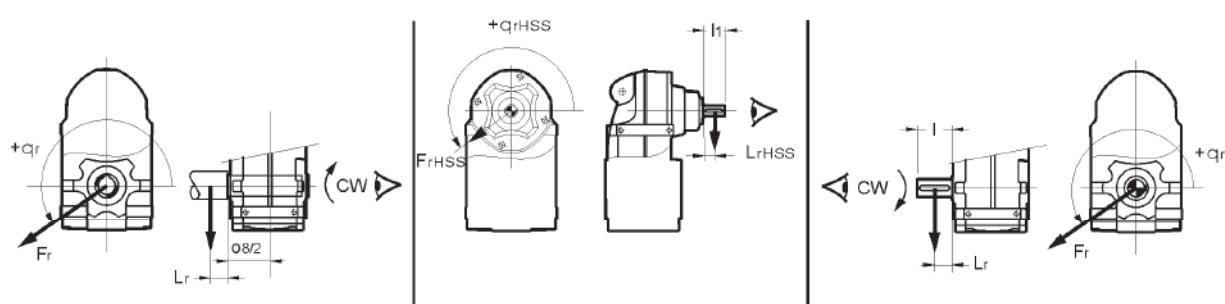
$$F_x = - \boxed{} \text{ N}$$

Definitions:

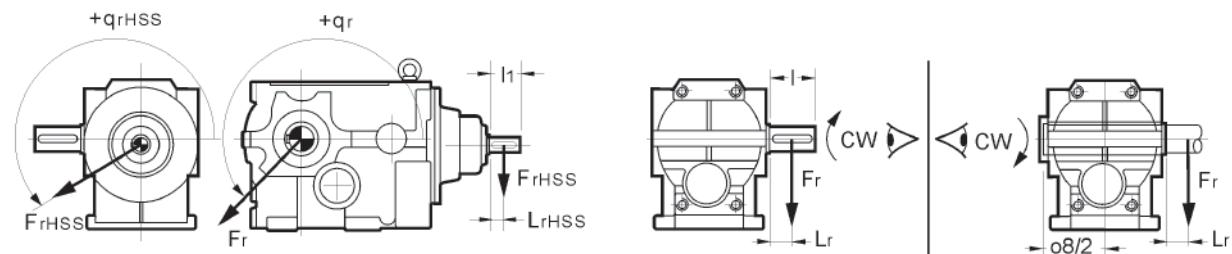
SI4



SP4



SK4



7. Technical Appendix

7. Brake			
Braking torque TB	T _B	=	Nm
Braking time	T _b	=	s
8. Mounting parameters			
Mounting position			
Ambient temperature (°C)	min/max	=	/ °C
Exposure to solar radiation			
Max. noise emission			
Measuring distance			
Environmental conditions			
Air humidity in %			
Dust			
Aggressive atmosphere, please specify			
Electrical details			
Voltage and frequency	AC	DC	V
Operating mode	3 ph	1 ph	Hz
Type of enclosure			
Insulation class			
Drive: Type			
Order no.:			

Sketch:

7. Technical Appendix

7.2.1 Coating systems

The standard available coatings for the different types of applications from Premium Stephan are summarized in the following tables. Before the dip primer coating, all castings undergo grit blasting for surface preparation (SA 2 ½). If no special coating is defined, the delivery features system 1 in RAL 5002. For high-quality coatings (4...6), the final color tone can be defined by the customer. If no color tinte is specified, the final coating is done in RAL 5002 (blue).

Deviating versions are possible in addition to the listed coatings (e.g. through customer regulations). However, they must be checked by Premium Stephan for feasibility in each case before placing an order. It is possible that it may result in significant deviations with respect to extra prices and delivery time. Please contact us.

Table 1:

System no.:	0		1		2		3	
Paint coat								
1	Dip primer coating Color: Red-brown	20 µm	Dip primer coating Color: Red-brown	20 µm	Dip primer coating Color: Red-brown	20 µm	Dip primer coating Color: Red-brown	20 µm
2			1C top coat Color: RAL 5002 Acrylic / PVC	40 µm	1C top coat Color: RAL 7035 Acrylic / PVC	40 µm	1C top coat Color: RAL 7035 Acrylic / PVC	40 µm
3							1C top coat Color: RAL 5002 Acrylic / PVC	40 µm
4								
5								
6								
Total coating thickness		20 µm		60 µm		60 µm		100 µm
Additional paint coats							1	
Drying time less than			1 day		1 day		1 day	
Corrosion protection	++		+++		++		++++	
Temperature resistance								
Continuous load up to	100 °C		100 °C		100 °C		100 °C	
Short-term load up to	160 °C		160 °C		160 °C		160 °C	
Chemical resistance	-		+		-		++	
Mechanical resistance	-		+		-		++	
UV resistance	-		+		-		++	
Application	Only S4 - gear heads for assembly center		Standard coating for S4 indoor installation		Pre-coating for final coating at customer		High-quality coating for S4 indoor installation	
Extra price	No		No		No		Yes	

7. Technical Appendix

Table 2:

System no.: Paint coat	4		5		6	
1	Dip primer coat Color: Red-brown	20 µm	Dip primer coat Color: Red-brown	20 µm	Dip primer coat Color: Red-brown	20 µm
2	2C paint base Color: RAL 7035 Polyurethane (Derocryl)	40 µm	2C paint base Color: RAL 7035 Epoxy	40 µm	2C paint base Color: RAL 7035 Epoxy	40 µm
3	2C top coat Color: NKW Polyurethane (Derocryl)		2C paint base Color RAL 7035 Epoxy	40 µm	2C paint base Color RAL 7035 Epoxy	40 µm
4			2C top coat Color: NKW Epoxy	40 µm	2C top coat Color: NKW Epoxy	40 µm
5			2C top coat Color: NKW Epoxy	40 µm	2C top coat Color: NKW Epoxy	40 µm
6					2C top coat Color: NKW Polyurethane (Derocryl)	30 µm
Total coating thickness		100 µm		180 µm		210 µm
Additional paint coats	1		3		4	
Drying time less than	2 days		3 days		4 days	
Corrosion protection	+++++		+++++		+++++	
Temperature resistance						
Continuous load up to	100 °C		100 °C		100 °C	
Short-term load up to	160 °C		160 °C		160 °C	
Chemical resistance	+++		++++		+++++	
Mechanical resistance	+++		++++		+++++	
UV resistance	++++		++++		++++	
Application	Standard coating for S4 outdoor installation		High-quality coating for S4 indoor and outdoor installation at average environmental loads		High-quality coating for S4 indoor and outdoor installation in extreme applications	
Extra price	Yes		Yes		Yes	

Key				
-	Insufficient		NKW	Per customer request
+	Available			
++	Sufficient			
+++	Satisfactory			
++++	Good			
+++++	Excellent			

7. Technical Appendix

7.3.3 Type of enclosure

The motors correspond to type of enclosure IP55 to IEC 34 - 5 as standard, i.e. they are protected against harmful penetration of dust and water.

The first code number IP5* identifies the protection against harmful dust accumulations inside the motor. The second code IP*5 identifies the protection against the penetration of jet water from all directions. Higher types of enclosure can be supplied upon request.

7.3.4 Insulation class

Proven insulation materials according to class F are used for all motors (limiting temperature 155 °C). However, the actual heating corresponds only to insulation class B (limiting temperature 130 °C). Exception: size 132MG-4G (9 kW).

This ensures high reliability and long service life. It is also possible to operate the motors under special conditions, such as an unfavorable electrical supply, an ambient temperature of 55 °C, or a permanently increased load of up to 110 % of the rated output.

7.3.5 Protection against tropical influences

All motors are designed in type of enclosure IP55 to IEC 34 - 5. They are suitable for use under dusty and humid environmental influences and, to a limited extent, in tropical environments.

If the environmental conditions promote the formation of mildew, algae or condensate, an additional tropical insulation should be provided.

If motors are exposed to humid or condensate-forming conditions for an extended period of time, an electrical space heater (option) is recommended to avoid moisture condensate inside the motor windings. A control device must ensure that the space heater is switched off during operation and switched on during standstill. The standard supply voltage is 230 V ± 10 %.

7.3.6 Protection of motors against non-permissible loads

Selecting the correct protective device largely determines the operational reliability and service life of the motor. Suitable overcurrent release devices (motor protecting switches) are placed in the supply line for direct protection against overload and blocking.

Motors with an output starting at 4 kW are equipped with thermistors (PTC thermistors) as standard. Motors with lower outputs can be supplied with thermistors or thermostats (thermal contacts) upon request (option). Standard motors can be retrofitted with thermostats.

Thermistors (PTC thermistors) are temperature-dependent resistors to IEC 34-11 and DIN 44081 / 44082. Technical data: see below.

Thermostats (thermo switches, thermal contacts) are temperature-dependent bimetal switches. The response temperature is 150 °C and cannot be adjusted. Technical data: see below.

Selecting the correct motor protection is dependent upon the application:

- Possible causes of a thermal overload in each specific application
- Value of product being manufactured
- Costs arising from loss of production
- Possible dangers due to a motor fault

7. Technical Appendix

7.3.7 Protective devices

Motor fault	Motor protecting switch		Built into the motor windings	
	Thermal	Magnetic	Thermostats	Thermistors
Continuous overload	G	G	G	G
High operating frequency, unsuitable operating mode	A	A	A	G
Continuous undervoltage or overvoltage or incorrect supply frequency	A	A	G	G
High ambient temperature at motor installation site	P	P	G	G
Insufficient ventilation, blockage of air flow	P	P	G	G
Failure of a supply phase	P	P	A	G
Blockage of rotor	G	G	A	G

Key	
G	Good
A	Acceptable
P	Poor or no protection
Thermistor	Response temperature 160 °C, design to IEC34-11 and DIN 44081 / 44082
Thermostat	Response temperature 150 °C, max. 250 VAC, 1.6 A, $\cos \phi \geq 0.6$

7.3.8 Safe switching of high inductances

a) Switching of multi-pole motor windings

Switching a multi-pole motor winding in conjunction with unfavorable conductor routing may lead to voltage peaks that can damage or destroy the winding insulation. It is recommended to equip the supply lines with varistors.

b) Switching of brake coils

Varistors must be used to avoid damaging switching overvoltages when switching brake coils on the DC side. The brake rectifiers and brake controllers used by Premium Stephan feature varistors as standard. On principle, special braking contactors or contacts of category AC3 according to IEC 158 must be used for the switching of brake coils.



7. Technical Appendix

7.3.9 50-Hz motors on a 60-Hz supply system

Motors dimensioned for 50 Hz can also be operated on 60-Hz supply networks without any problems. In this case, the rated speed increases by 20%. At the same time, current and power factor remain unchanged. The additional information can be found in the table.

Motor winding 50 Hz	Connection to 60 Hz	Power P	Torque T
400 V ± 10 %	380/400 V ± 5 % 50 Hz	$0.90 \times P(50 \text{ Hz})$	$0.75 \times T(50 \text{ Hz})$
400 V ± 10 %	400 V -10 % / + 25 %	$1.00 \times P(50 \text{ Hz})$	$0.83 \times T(50 \text{ Hz})$
400 V ± 10 %	440 V -10 % / +15 %	$1.10 \times P(50 \text{ Hz})$	$0.92 \times T(50 \text{ Hz})$
400 V ± 10 %	460 V ± 10 %	$1.15 \times P(50 \text{ Hz})$	$0.96 \times T(50 \text{ Hz})$
400 V ± 10 %	480 V - 10 % + 5%	$1.20 \times P(50 \text{ Hz})$	$1.00 \times T(50 \text{ Hz})$
500 V ± 10 %	500 V -10 % / + 25 %	$1.00 \times P(50 \text{ Hz})$	$0.83 \times T(50 \text{ Hz})$
500 V ± 10 %	575 V ± 10 %	$1.15 \times P(50 \text{ Hz})$	$0.96 \times T(50 \text{ Hz})$

7.3.10 Operation with inverter

The operation of three-phase AC induction motors with frequency inverter (variable voltage and frequency) causes stray losses in the motor. For this reason, it is generally required to reduce the rated torque of the motors so that the permissible winding temperature is not exceeded. An additional reduction of the output is required due to reduced motor speed and, therefore, reduced self-cooling. The output reduction is dependent upon the torque demand of the driven machine and the speed setting range.

For vertical versions with tubing (SCA, SFA, SCP), the output speed ranges according to chapter 7.4.7 must be taken into account. In case of doubt, a consultation with our plant is required.

High speeds

Standard motors can generally also be operated above their rated speed. If standard motors must be operated with frequencies above 60 Hz, please consult our plant.

Power tables

Rated powers of 4-pole motors from the Premium Stephan series are listed for various applications. Data for other pole numbers are available upon request.

The powers apply to correctly installed frequency inverters with characteristics of column A or B.

	A	B
Complete harmonic distortion	< 2.5%	< 6%
Maximum peak voltage	1600 V	1400 V
Max. voltage rise du / dt	1.0 kV / s	5.6 kV / s
Max. carrier switching frequency	5 kHz	5 kHz
Max. motor to inverter cable length	30 m	60 M

7. Technical Appendix

7.3.11 Standard version

Our motors and geared motors correspond to the relevant standards. The most important ones are:

	IEC (CEI)	DIN	VDE
Rated output	IEC 34 - 1, IEC 85	DIN EN 60034 - 1	VDE 0530 - 1
Dimensions	IEC 72	DIN 42673 / 42677	
Mounting position	IEC 34 - 7	DIN EN 60034 - 7	VDE 0530 - 7
Cylindrical shaft ends	IEC 72	DIN 748 - 3	
Terminal designations	IEC 34 - 8	DIN VDE 0530 - 8	VDE 0530 - 8
Enclosure types (IP code)	IEC 34 - 5	DIN VDE 0530 - 5	VDE 0530 - 5
Cooling types (IC code)	IEC 34 - 6	DIN EN 60034 - 6	VDE 0530 - 6
Noise limits	IEC 34 - 9	DIN EN 60034 - 9	VDE 0530 - 9
Supply voltage	IEC 38	DIN IEC 38	

7.3.12 Explosion-protected motors

	IEC (CEI)	DIN
General	IEC 79 - 0	DIN EN 50014
Increased safety (EEx e)	IEC 79 - 7	DIN EN 50019
Flame-proof enclosure (EEx d)	IEC 34 - 1	DIN EN 50018
Non sparking (EEx n)		DIN EN 50021
Electrical equipment for use in areas with combustible dust		DIN EN 50281

7.3.13 Thermal standards

Three-phase AC squirrel-cage motors from Rexnord-Stephan correspond to the thermal regulations of the relevant national and international standards for permissible overtemperature.

Standard	Permissible ambient temperature	Permissible overtemperature in K (measured using the resistance method)	
		Insulation class	
	°C	B	F
DIN, VDE, IEC	40	80	105
British Standards (BS)	40	80	105
Canadian Standards (CSA)	40	80	105
USA (NEMA)	40	80	105
American Bureau of shipping (ABS)	50	75	95
Bureau Veritas (BV)	50	70	90
Det Norske Veritas	45	70	90
Germanischer Lloyd (GL)	45	75	95
Lloyds Register (LR)	45	70	90



7. Technical Appendix

7.3.14 Tolerances

The following tolerances apply to the performance specifications of electrical machines to DIN EN 60034:

- Efficiency η :
 - 0.15 (1 - η) for rated outputs \leq 50 kW
 - 0.10 (1 - η) for rated outputs $>$ 50 kW
- Power factor $\cos \varphi$:
 - $(1-\cos \varphi) / 6$
- Slip:
 - $\pm 20\%$ for rated outputs > 1 kW
 - $\pm 30\%$ for rated outputs ≤ 1 kW
- Starting current:
 - + 20%
- Starting torque:
 - 15% ... + 25%
- Mass moment of inertia:
 - $\pm 10\%$
- Sound pressure level:
 - + 3 dB(A)

7.3.15 Calculation of maximum permissible operating frequency of motors: Z

The maximum permissible operating frequency of a brake motor is dependent upon:

- the size of the accelerated mass moments of inertia
- the relative operating time
- the relative load, i.e. the ratio of actual output power and
- rated output of the motor
- load torque during acceleration

The no-load operating frequency listed in the tables can be converted to the actual application using the following formula:

$$Z = Z_0 \times F_z \times F_b \times F_m$$

F_z	Dependent upon additional mass moment of inertia
F_b	dependent upon output and operating time
F_m	dependent upon load torque
Z_0	no-load operating frequency at 60% operating time
JE	mass moment of inertia of the motor
J_{zus}	mass moment of inertia of driven machine referenced to the motor shaft
T_a	load torque
TA	acceleration torque (motor)
ED	operating time

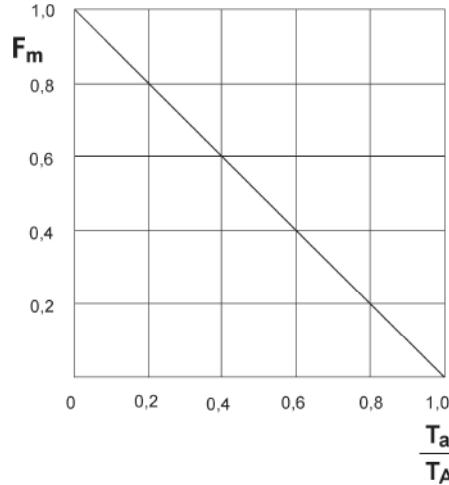
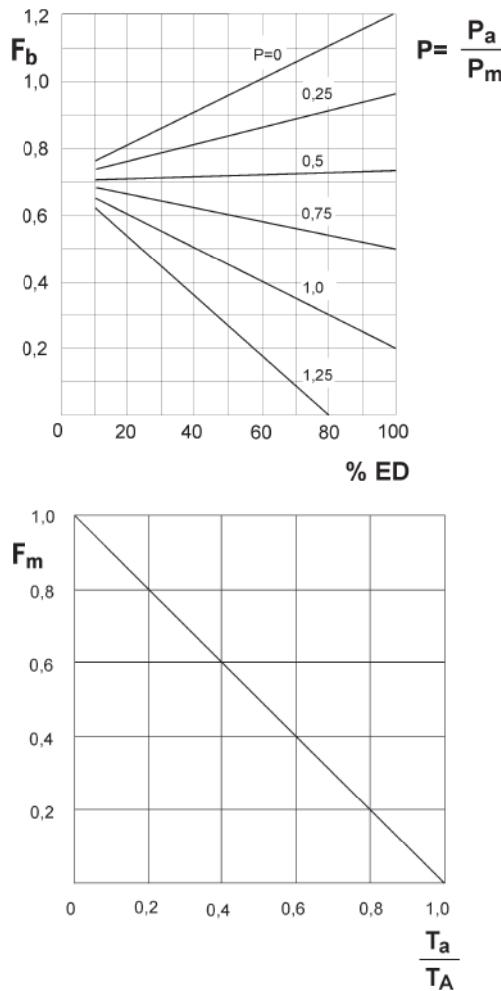
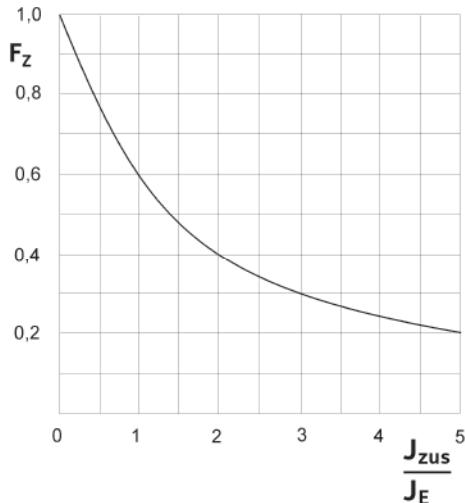
$$\text{whereby } P = P_a / P_m$$

P_a : power demand after completed acceleration

P_m : rated motor output

7. Technical Appendix

Diagrams



7

7.3.16 Spring-applied single-disk safety brake for direct current and dry run

In the electromagnetic single-disk brake, the braking force is applied through springs and the brake is electrically released. In case of a power failure, the brake is applied. This allows it to meet the predetermined safety requirements. The brakes can be supplied with a manual release upon request.

The brakes are manufactured and tested according to VDE 0580 and correspond to CENELEC Memorandum no. 3, part 3, par. 2.3 of the EC safety directives.

Standard voltages:

- 102 VDC / 230 VAC for motor output up to 3 kW
 178 VDC / 400 VAC for motor output starting at 4 kW

Other voltages can be supplied and must be specified when ordering.

Technical data:

The response times apply to normal operating temperatures and rated voltage with adjusted gap. The values listed are subject to the regular tolerances.

t_1 (operating time) is the time from switching on the voltage to the drop-off of the brake torque to 10% of the rated torque T_B .

t_2 or t_3 (breaktime) is the time from switching off the voltage to an increase of the brake torque to 90% of its rated value. t_2 applies to switching on the DC side, t_3 to switching on the AC side.

The brakes correspond to enclosure type IP55 and, therefore are protected against damaging dust accumulations and jet water.





7. Technical Appendix

P_R is the permissible braking energy in Joule per second. The permissible braking energy per braking $W_{R\max}$ is dependent upon the operating frequency. The listed values apply to a motor speed of 1500 min⁻¹.

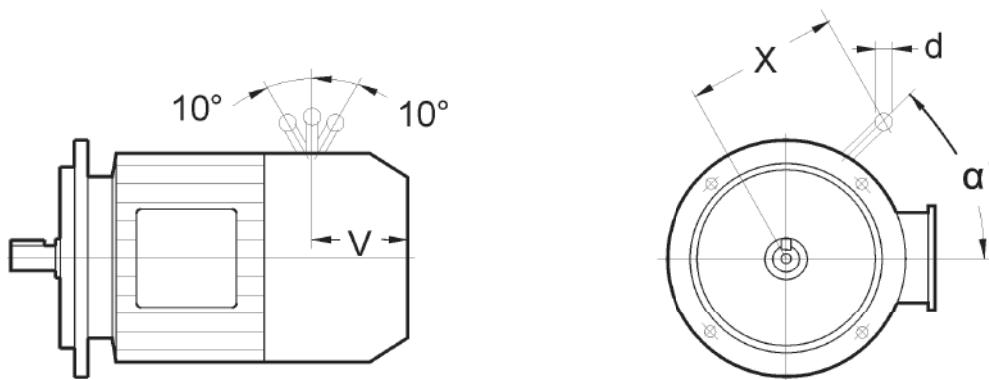
The dynamic braking torque T_B applies to dry run, run in brake and normal operating conditions. The braking torque decreases with increasing motor speed.

If the friction areas contain oil or grease, the braking torque is reduced down to 50%. If the brake is not run in, the braking torque may be 20% less than the rated torque.

7.3.17 Brake kit

Standard motors of size 63 to 180 can be converted to brake motors. *Brake kits* are available for this purpose. The brake hub is installed on the motor shaft to ensure an operationally reliable design. Only the plastic fan blade is driven by a screw-in shaft.

Position of the manual release lever



Motor Size	Brake Size	T_B Nm	α°	X mm	d mm	V mm
63	08	4	0	85	25	75
71	08	4	0	85	25	75
80	10	10	0	98	25	91
90	13	20	0	117	25	93
100	15	40	30	128	32	97
112	15	40	30	128	32	115
132	20	80	30	166	40	122
160	23	150	30	210	40	161
180	26	240	30	230	40	183
200 / 225	458-25	400	0	500	24	
250 / 280				Upon request		

7. Technical Appendix

7.3.18 Brake data

Motor Size	Brake Size	T_B Nm	n max. min⁻¹	P_R J/ s	W_{Rmax} J	W_{RN} J	P_{zo} W	t₁ ms	t₂ ms	t₃ ms	J₁ kg*cm²	m kg	
63	08	5	10000	80	3×10^3	5×10^7	22	35	30	70	0,15	0,8	
71	08	5	10000	80	3×10^3	5×10^7	22	35	30	70	0,15	0,8	
80	10	10	5400	100	6×10^3	12×10^7	28	45	45	95	0,45	1,4	
90	13	20	5400	130	12×10^3	20×10^7	34	60	60	140	1,72	2,5	
100	15	40	4000	160	25×10^3	35×10^7	42	80	75	175	4,5	4,0	
112	15	40	4000	160	25×10^3	35×10^7	42	80	75	175	4,5	4,0	
132	20	100	3500	250	50×10^3	125×10^7	100	160	120	280	12,2	10	
160	23	150	3000	300	75×10^3	200×10^7	150	200	150	350	28,5	12,6	
180	26	250	3000	350	105×10^3	340×10^7	250	220	180	500	66,5	19,5	
200	458-25	400	3000	520	125×10^3			110	110	375	950	200	29
225	458-25	400	3000	520	125×10^3			110	110	375	950	200	29
250						Upon request							
280						Upon request							

T_B	Rated torque
n max.	Max. speed
P_R	Max. friction power
W_{Rmax}	Max. friction energy per operation
W_{RN}	Friction energy until re-adjustment
P_{zo}	Coil power
t₁	Operating time
t₂	Break time (switching on DC side)
t₃	Break time (switching on AC side)
J₁	Moment of inertia of the brake
m	Weight

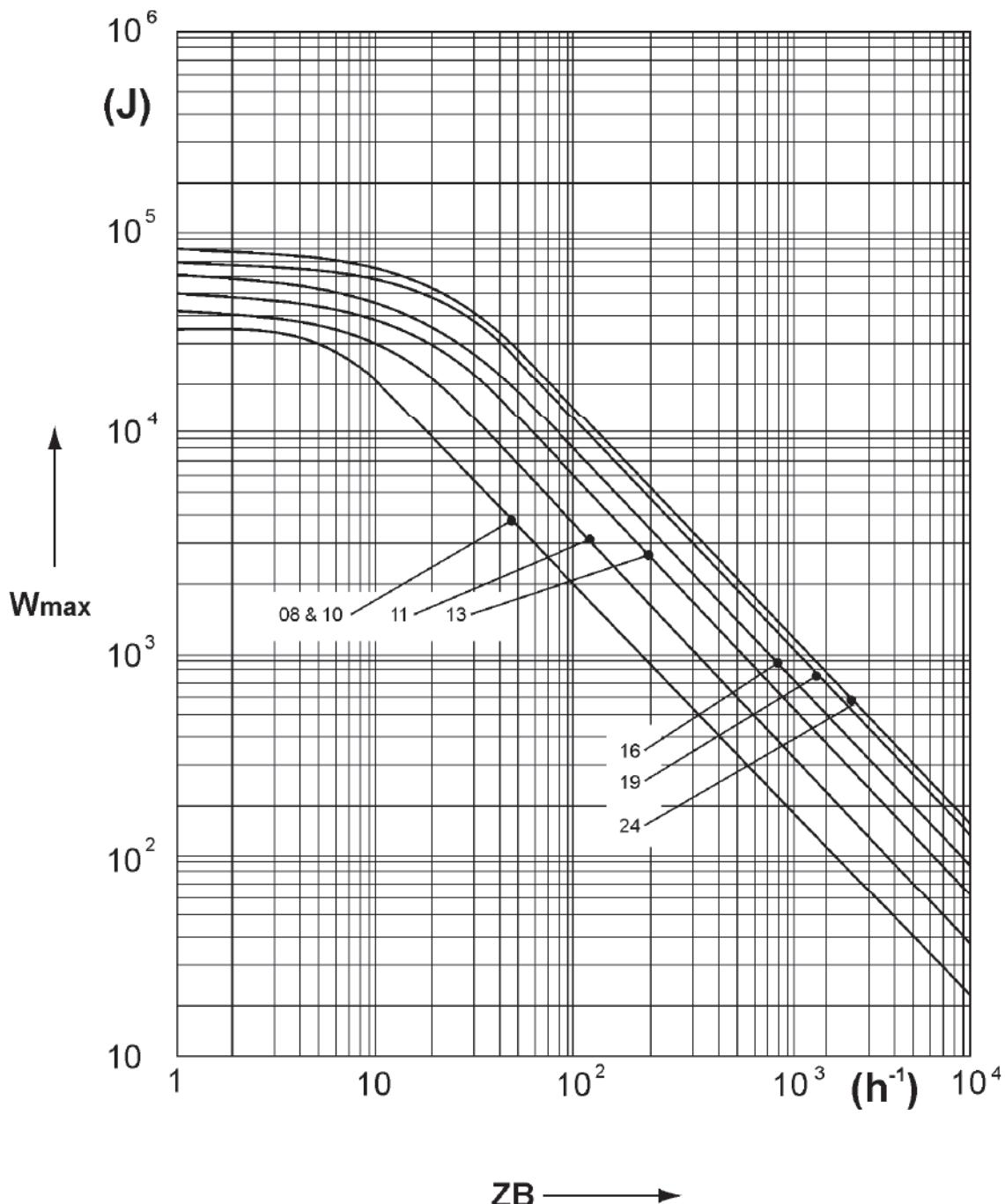
7. Technical Appendix

7.3.19 Power capability per braking

In general, the permissible operating frequency of a brake motor is limited by the heating of the motor. The brake output should be determined for each braking W for control purposes.

$$W = 0.0055 \times n_1^2 \times (J_{zus} + JE)$$

The permissible value W_{Rmax} can be found in the diagram.



7. Technical Appendix

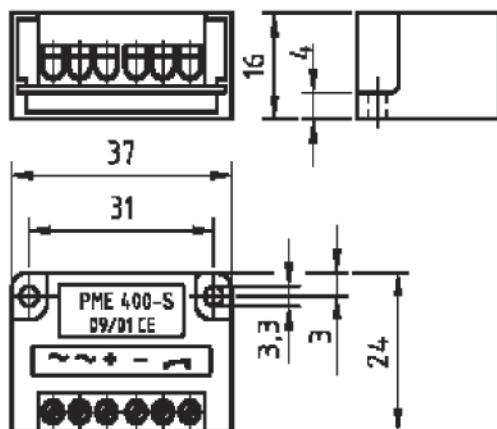
7.3.20 Brake rectifier

The brake rectifiers being used generate the necessary direct voltage (DC) for operating the brake from the AC supply voltage (AC).

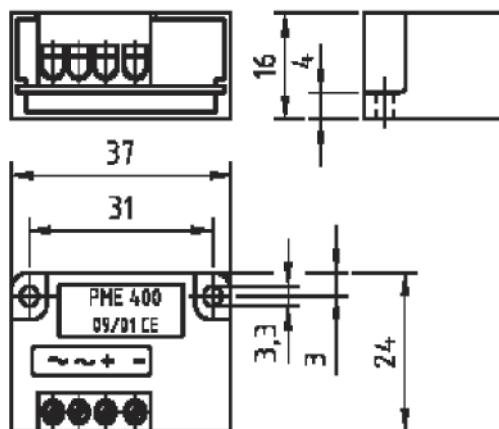
Dependent upon the voltage applied, one-way or bridge rectifiers are used.

The brakes are usually switched on the AC side. However, the brakes can also be switched on the DC side for short brake application times. For this purpose, the built-in switching bridge must be removed.

Rectifier for switching at the DC side
or at the AC side

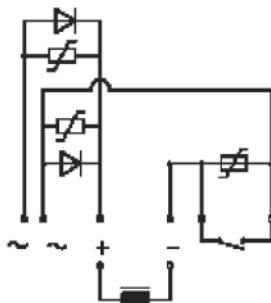


Rectifier for switching at the AC side



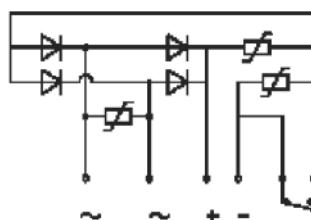
Half wave rectifier

Switching at the DC side
PME 400-S



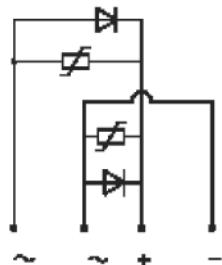
Full wave rectifier

Switching at the DC side
PMB 400 – S



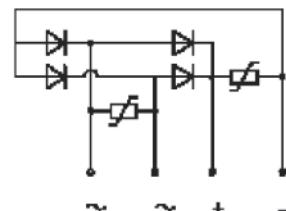
Half wave rectifier

Switching at the AC side
PME 400



Full wave rectifier

Switching at the AC side
PMB 400



7.3.21 Tachometer generator

If speed control or synchronous control is required, the motors can be equipped with tachometer generators or pulse generators.

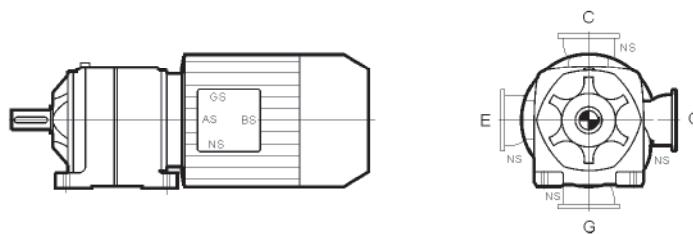


Notizen / Notice / Notes:

7. Technical Appendix

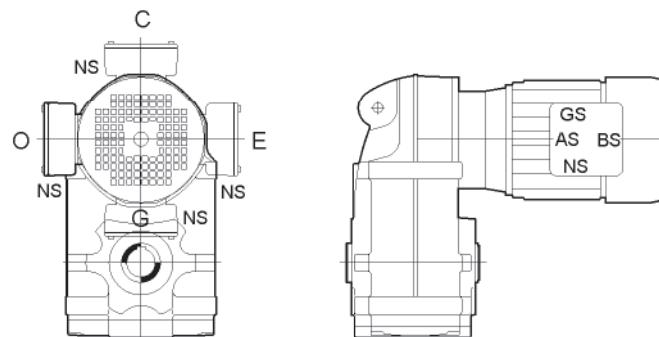
7.3.25 Terminal box position

SI4



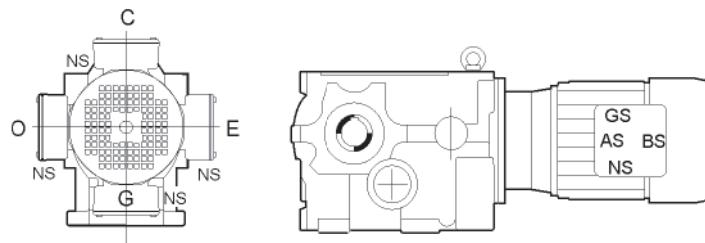
The terminal box position is independent of the mounting position. The normal position is "O". The cable entry is arranged in position "NS" as standard.

SP4



The terminal box position is independent of the mounting position. The normal position is "O". The cable entry is arranged in position "NS" as standard.

SK4



The terminal box position is independent of the mounting position. The normal position is "O". The cable entry is arranged in position "NS" as standard.



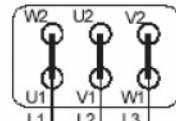
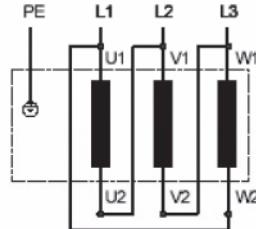
7. Technical Appendix

7.3.26 Connection diagrams

Motor connection diagrams

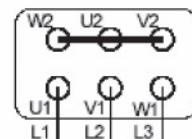
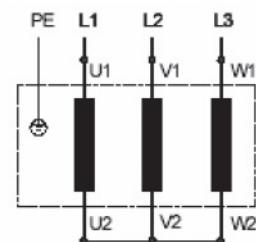
Delta connection

low voltage



Star connection

high voltage



Connection designations of add-on devices

	IEC standard	UK standard
PTC thermistor	10 - 11	TP1 - TP2
Thermal contacts (NC contact)	20 - 21	TB1 - TB2
Thermal contacts (NO contact)	30 - 31	
Magnetic brake	60 - 61	BR1 - BR2
Space heater	70 - 71	H1 - H2
Three-phase AC external fan	U - V - W	
Single-phase external fan	U1 - U2	

7.3.27 2nd shaft end

The motors can be supplied with a second shaft end upon request. Please contact us.

7.3.28 Plug connectors (Harting)

The motors can be supplied with plug connectors upon request. Please contact us.

7.3.29 Cast iron fan

The motors can be supplied with cast iron fan upon request. Please contact us.

7.3.30 Cable entries

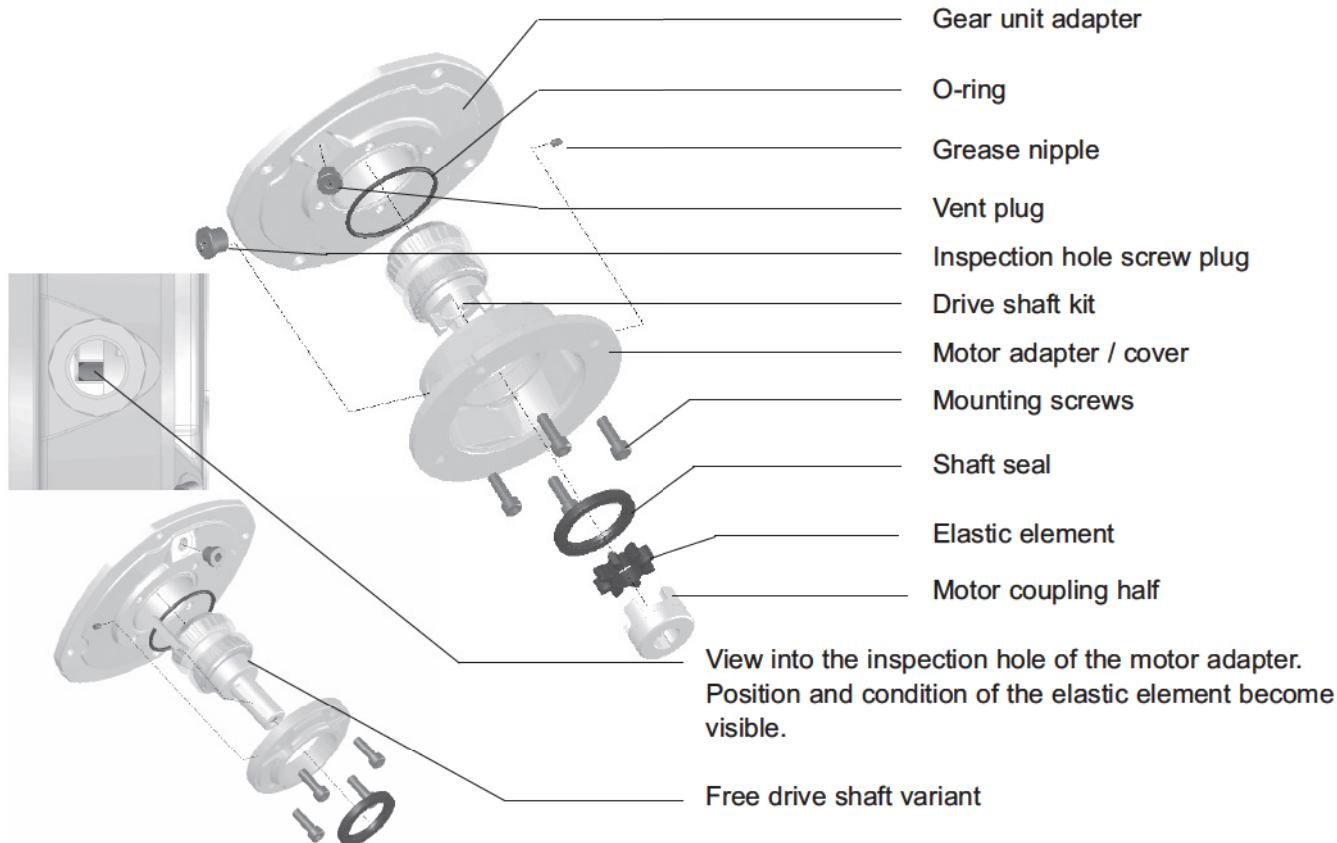
Size	Cable entry
63 to 90	1 x M20X1.5
100	1 x M20X1.5
112 to 132	1 x M25X1.5
160 to 180	2 x M32X1.5

Cable entries are closed during transport. Screwed cable glands are not part of the scope of delivery!

7. Technical Appendix

7.4 Technical Appendix, Mechanical

7.4.1 Principle design of U- and I-lantern



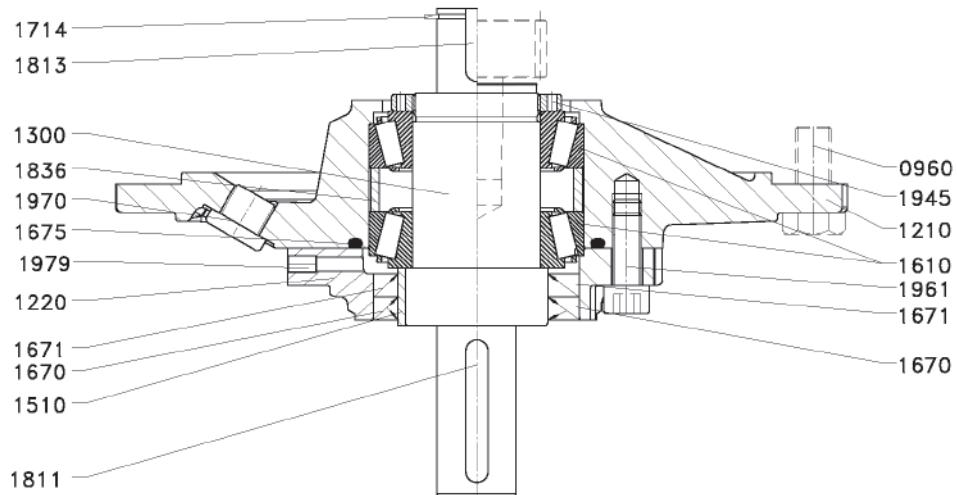
Component	Features
Gear unit adapter	Dependent upon the gear unit size and type, different gear unit adapters are available.
O-ring	Reliable seal between gear unit adapter and motor adapter or cover.
Grease nipple	Allows for optional regreasing of roller bearings for critical mounting positions.
Vent plug	Position of venting for vertical mounting positions.
Screw plug	Closes the inspection hole opening and allows for viewing the elastic element of the coupling after disassembly. Mounting and wear control is possible.
Drive shaft kit	This is a premounted unit of shaft and roller bearing. There are versions with different dimensioning dependent upon the gear unit size and the power to be transferred. A variant of the free drive shaft exists in addition to the coupling versions. Sufficiently large dimensioned tapered-roller bearings allow for high external loads. In addition, a backstop can be integrated in all versions.
Motor adapter / cover	A variety of motor adapters is available dependent upon the motor size to be mounted. Gear units with free drive shaft are closed by a cover at this point.
Mounting screws	They are used for mounting the motor.
Shaft seal	Different seal options are possible dependent upon the application conditions.
Elastic element	The elastic element provides a form fitted connection of the two coupling halves.
Motor coupling half	Dependent upon the size, it can be mounted directly on the motor shaft.



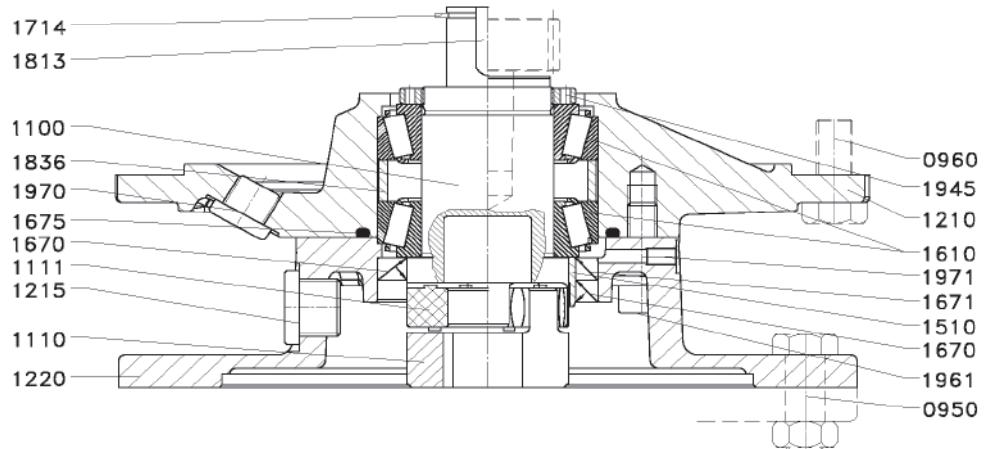
7. Technical Appendix

The following illustration shows the principle design of an I- or U-lantern. It is intended as a reference aid to the individual parts lists. Variations depending on the gear unit size and version are possible.

I-lantern



U-lantern



No.	Designation	No.	Designation
0950	Motor mounting screw	1671	Shaft seal drive shaft BA NBR
0960	Body mounting screw	1671	Shaft seal drive shaft BA Viton (option)
1100	Coupling kit	1675	O-ring flange NBR
1110	Coupling half on motor side	1714	Circlip pinion Z1
1111	Driver, flexible element	1811	Feather key drive shaft
1210	Dome/body	1813	Feather key pinion Z1
1215	Screw plug (inspection hole)	1836	Spacer ring shaft unit
1220	Cover/flange/adapter	1945	Shaft nut shaft unit
1300	Shaft kit	1961	Cover/flange bolt
1510	Drive shaft sleeve (option)	1970	Screw/vent plug
1610	Drive shaft bearing	1971	Grease nipple
1670	Shaft seal drive shaft BASL NBR (option)	1979	Grease nipple
1670	Shaft seal drive shaft BASL Viton (option)		

7. Technical Appendix

7.4.2 Backstops in the input lantern

Backstops are used to limit the direction of rotation to a freely selectable direction of rotation. In the opposite direction, backstops act as a blocker. Backstops are frequently used for conveyor drives that are operated in a tilt position or for fan drives. In both cases, there is only one free direction of rotation, whereby a spinning of the drive is desired for the opposite direction.

In certain applications, backstops can be an alternative to an electromagnetic brake on the motor.

The backstops are placed at the drive shaft (U/L-lantern) between the regular bearing and are mounted dependent upon the desired free direction of rotation according to the order. The free direction of rotation must be specified at ordering.

If speed-disengaging backstops are used, this safety component needs to be checked only every 6 000 operating hours or no later than every 3 years. The system operator must take all the necessary safety precautions to avoid failure of the backstop that may result in personal injuries and/or damages to the drive unit and/or the application.

It is necessary to replace the backstop under the following conditions:

- In the event of observing unusually high wear of the gear unit.
- When the oil in the gear unit is contaminated.
- In the event of unusually high load.

This may have had an adverse effect on the condition of the clamping elements and bearing races in the integrated backstop.

CAUTION!

Only authorized, qualified personnel is permitted to replace the backstop or change the direction of rotation of the backstop while complying with the operating instructions for the respective backstop.

Never loosen or release any part of the backstop facility while the drive is under load: This could affect the reversal action of the drive and load; the drive unit must be in a no-load condition and secured against inadvertent movements.

7.4.3 Backstop at the intermediate shaft for SK4 helical bevel geared motors

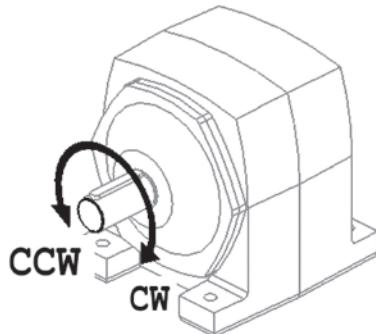
SK4 helical bevel geared motors offer a more cost-efficient option for mounting backstops at the intermediate shaft of the bevel gear stage. The additional use of a U-lantern (IEC adapter) does not apply, and the motors can be integrally mounted at the gear unit. The lubricant supply is then ensured via the normal gear unit oil (observe mounting positions!).



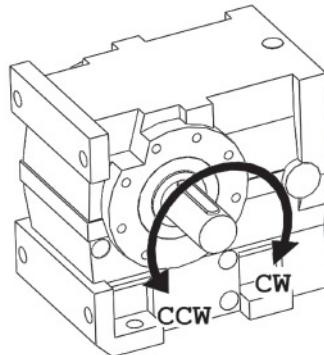
7. Technical Appendix

7.4.4 Indication of output rotating direction when using backstops

For the order of a gearbox with backstop you have to indicate the required direction of rotation, viewed at output shaft on output side of gearbox. For drives with left and right output shaft the direction of rotation is given viewed at side L. To avoid damage to the gearbox or the unit , the direction of rotation needs to be checked before operating.



CW = rotation right, CCW = rotation left

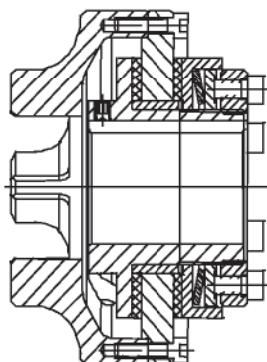


CW = rotation right, CCW = rotation left

7.4.5 Slip coupling in the input lantern

If an input lantern is used, it can be equipped with an additional slip coupling, if necessary, to mechanically limit the torque of the drives. In this case, the slip coupling is installed between motor and gear unit drive shaft. In the normal case, only the standard coupling half of the motor is replaced by the special slip coupling half.

A slip coupling is a component where the permissible torque is transferred frictionally engaged. For this purpose, two spring-loaded friction linings are pressed against each other. The spring force determines the amount of torque that can be transferred. The spring force and, subsequently, the transferable torque can be adjusted.



Slip coupling

7. Technical Appendix

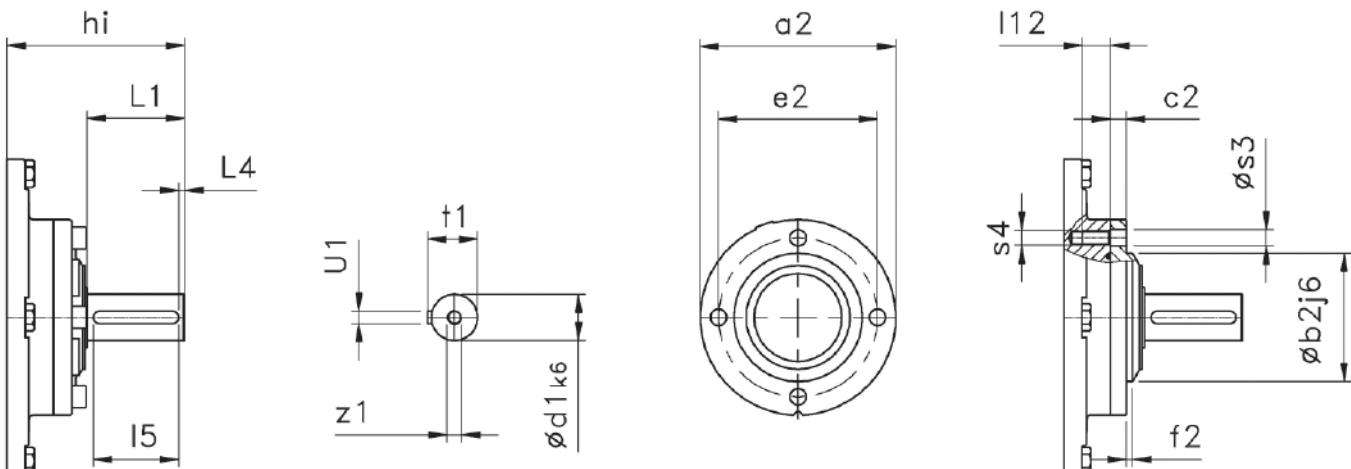
7.4.6 Motor base versions

Our motor base version is a special variant to connect or drive a gear unit with a motor by means of belt drive. This provides the following advantages:

- Compact version - an advantage, for example, if structural conditions do not allow for an integral mounting of the motor.
- After installing the drive in the machine or system, the total gear ratio can be adjusted using a simple change in the belt drive gear ratio.

7.4.7 Gear unit with free drive shaft

All gear units of the S4 family can also be designed with free drive shaft. In this case, there is a standard for the shaft dimensions of the drive shaft dependent upon the gear unit type (S14 / SP4 / SK4) and the gear unit size. This standard is also shown in the dimensioned drawings of the gear units. In addition to these standard dimensions, alternate dimensions are possible or even required, based on applied external loads. The following table provides an overview of the options in the design of the drive shafts. Lines with a light-gray background contain the values for our standard dimensions.



Mounting flange

Gear unit connection	Mounting dimensions								Mounting flange on the drive end							
	Ød ₁	L ₁	L ₄	I ₅	t ₁	U ₁	z ₁	h _i	a ₂	b ₂	e ₂	f ₂	c ₂	l ₁₂	s ₄	s ₄
S115	mm	mm	mm	mm	mm	mm	mm	mm	mm	j6	mm	mm	mm	mm	mm	mm
	19	40	4	32	21.5	6	M6x16	110.5	130	85	105	14	11	19	11	M10
S162	28	60	5	50	31	8	M10x22	110.5	130	85	105	14	11	19	11	M10
	19	40	4	32	21.5	6	M6x16	101.5	130	85	105	14	11	19	11	M10
S235	28	60	5	50	31	8	M10x22	121.5	130	85	105	14	11	19	11	M10
	38	80	5	70	41	10	M12x28	158	160	105	130	13	13	23	13.5	M12
S300	28	60	5	50	31	8	M10x22	109.5	130	85	105	14	11	19	11	M10
	38	80	5	70	41	10	M12x28	146	160	105	130	13	13	23	13.5	M12
	38	80	5	70	41	10	M12x28	138	160	105	130	13	13	23	13.5	M12

For permissible loads at the drive shaft please contact Rexnord-Stephan.

7. Technical Appendix

Gear unit connection - Dimensional assignment

Gear unit connection	SI4	SP4	SK4
S115	SI..1.	SP..1 / SP..2	SK..2
S162	SI..2 / SI..3	SP..3	SK..3 / SK..4.
S235	SI..4 / SI..5	SP..4 / SP..5	SK..5 / SK..6.
S300	SI..6 / SI..7 SI..8 / SI..9	SP..6 / SP..7 SP..8	SK..7 / SK..8. SK..9

For permissible loads at the drive shaft please contact *Rexnord-Stephan*.

7.4.8 SI4 gear units SCA, SFA and SCP with integrated oil pump

Some types of construction of SI4 gear units offer the possibility of supplying an absolutely oil-proof version for vertical mounting positions (output shaft is down).

For some applications, particularly in chemistry, pharmacy, food processing technology and wastewater treatment and drinking water purification, it is desirable to use absolutely leak-free drives. Since radial shaft seal rings are always wear parts and will eventually leak dependent upon the loads that occur, the regular sealing system may cause danger of oil leakage via the shaft seal.

With our design, the output shaft is safely blocked from the oil supply by means of a tubing. To ensure sufficient lubrication of all relevant components, such as roller bearing and gearing, an additional oil pump (gear pump) is integrated at the intermediate shaft of the gear unit. Using a corresponding inner tubing system, the lubricant is distributed inside the gear unit.

To ensure a sufficient flow rate, the following speed ranges must be taken into account at the output shaft.

Version	B (2-stage)		C (3-stage)	
	n _{2min}	n _{2max}	n _{2min}	n _{2max}
	1/min	1/min	1/min	1/min
SCP	30	270	10	80
SCA	30	270	10	80
SFA	30	270	10	80

This version offers an additional advantage on top of the absolute oil-tightness. Due to the low oil level, no gearing moves directly in oil. This results in nearly no splash losses that could lead to a heating of the gear unit.

Particularly with low gear ratios, i.e. high output speeds, splash lubrications frequently lead to thermal limits due to occurring splash losses in vertical types of construction. This tubing version allows for largely eliminating the influence of splash losses. This, in turn, allows the drive to be used at relatively high output speeds. Expensive cooling systems can be eliminated.

7.4.9 Noise level

This chapter discusses the noise levels (sound pressure levels) of the S4 gear unit series of size 1 to 9. design index 6 and 7. Motor noises are not taken into account.

Table 1 listed below shows sound pressure level L_{p'} that can be expected with high probability for standardized conditions. Slight deviations are possible due to manufacturing tolerances.

To obtain values from other conditions, correcting factors must be added according to Tables 2-4.

$$L_p = L_p' + K_1 + K_2 + K_3$$

7. Technical Appendix

If the noise level must be guaranteed, 3 dBA must be added at the top tolerance limit. See also the attached examples.

The listed values refer only to the gear units and are intended for an initial orientation. Lower values are partially possible for the noise level. Please contact us.

Sound pressure under standardized conditions:

Table 1 shows values and tolerances for sound pressure L_p' in dBA at a distance of 1 meter from the gear unit (Input speed $n_1 = 1500$ 1/min gear ratio $i = 11.2$). The reference power is dependent upon the service factor SF.

Table 1:

Gear unit size	Consumed power in kW							
	Half the catalog power data, $\frac{1}{2} P$ in kW							
	1 kW	2 kW	5 kW	10 kW	20 kW	50 kW	75 kW	100 kW
1...4	58 +/- 1	62 +/- 1	66 +/- 1.5	69.5 +/- 1.5	73 +/- 2			
5...7	57 +/- 1	61 +/- 1	65 +/- 1.5	68.5 +/- 1.5	72 +/- 2	77 +/- 2	79 +/- 3	
8...9	56 +/- 1	60 +/- 1	64 +/- 1.5	68.5 +/- 1.5	71 +/- 2	76 +/- 2	78 +/- 3	80 +/- 3

Correcting factor for non-standard conditions:

Table 2: Correcting factor K_1 in dBA for distance from gear unit

Gear unit size	Distance from gear unit [m]					
	1 m	3 m	5 m	10 m	30 m	50 m
1...4	0	-6	-10	-16	-26	-30
5...7	0	-5	-9	-15	-25	-29
8...9	0	-4	-8	-14	-24	-28

Table 3: Correcting factor K_2 in dBA for input speed n_1

Gear unit size	Input speed n_1 [1/min]						
	500 RPM	750 RPM	1000 RPM	1500 RPM	1800 RPM	2400 RPM	3000 RPM
1...9	-7	-5	-3	0	+1.5	+5	+8

Table 4: Correcting factor K_3 in dBA for gear ratio

Gear unit size	Gear unit ratio i	
	2.8...10	≥ 11.2
1...9	+2	0



7. Technical Appendix

Examples

Example 1

SFN46C25-132M-4G, consumed power $P_a = 7.5 \text{ kW}$

Expected sound pressure level at 1 meter?

Service factor SF=1.2 ' use consumed power according to Table 1 (interpolate and round the values)

$$L_p' = (67.8 +/- 1.5) \text{ dBA}$$

Distance = 1 m, n1 = 1500 1/min i = 11.2 ' $K_1=K_2=K_3 = 0$

$$L_p = L_p'$$

Guaranteed value = $(67.8 + 1.5 + 3) \text{ dBA} = 72.3 \text{ dBA}$

Example 2

SCF56B8-160M-4G, consumed power $P_a = 11 \text{ kW}$

Expected sound pressure level at 1 meter?

Service factor SF = 3.45 ' Use half the catalog power data (see Gear unit selection tables)

$$P/2 = (39/2) \text{ kW} = 19.5 \text{ kW} \rightarrow L_p' = (72 +/- 2) \text{ dBA}$$

Distance = 1 m, n1 = 1500 1/min, i < 11.2 ' $K_1 = K_2 = 0, K_3 = 2 \text{ dBA}$

$$L_p = (L_p' + 2) \text{ dBA} = (74 +/- 2) \text{ dBA}$$

Guaranteed value = $(74 + 2 + 3) \text{ dBA} = 79 \text{ dB}$

7.4.10 Mass moments of inertia $J (10^{-3} \text{ kgm}^2)$

The listed values each refer to the drive shaft of the gear unit.

SI4

2/3-stage gear units $J (10^{-3} \text{ kgm}^2)$

i_N	Size															
	16B	16C	26B	26C	36B	36C	46B	46C	56B	56C	66B	66C	76B	76C	86C	96C
5											14.5		37			
5.6	0.085		0.22		0.81		1.85		6.1		12.5		30			
6.3	0.077		0.2		0.73		1.65		5.4		9.9		25.5			
7.1	0.069		0.18		0.64		1.5		4.7		9.1		21			
8	0.059		0.16		0.58		1.25		4.1		7.5		21.5			
9	0.055		0.135		0.53		1.15		3.7		6.5		15.5			
10	0.049		0.12		0.47		1.05		3.2		5.9		13.5			
11.2	0.045		0.11		0.44		0.89		2.8		5		11			
12.5	0.043		0.093		0.4		0.82		2.55		4.2		9.7		41	
14	0.04		0.085		0.37		0.71		2.35		3.8		8.1		34	
16	0.036		0.077		0.35		0.64		2		3.1		7		28	
18	0.033		0.069	0.21	0.32		0.58		1.8		2.6		5.9		23.5	
20	0.031		0.062	0.195	0.3		0.53		1.65		2.2	11	5	27.5	23	49
22.4	0.029		0.055	0.18	0.28	0.62	0.47		1.55		2	9.8	4.2	23	17	40

7. Technical Appendix

25	0.0275	0.065	0.048	0.17	0.26	0.59	0.42		1.4		1.7	7.8	3.4	19.5	15	33
28	0.0265	0.061	0.045	0.155	0.255	0.55	0.37	1.14	1.3	3.65	1.4	7.3	2.9	16.5	12	27
31.5	0.0255	0.057	0.041	0.14	0.235	0.52	0.35	1.08	1.15	3.45	1.2	6.1	1.3	17.5	10.5	26.5
35.5	0.0245	0.053	0.037	0.125	0.23	0.48	0.31	1.02	1.1	3.25	1	5.4	2	12.5	8.7	19.5
40	0.023	0.048	0.032	0.11	0.22	0.45	0.27	0.96	1	3	0.9	4.9	1.7	11	7.5	17
45		0.044	0.028	0.1	0.215	0.42	0.23	0.84	0.9	2.65	0.7	4.3	1.4	9.3	6.3	13.5
50		0.042	0.024	0.086	0.205	0.38	0.2	0.77		2.4	0.6	3.7		8.2	5.3	11.5
56		0.039		0.08		0.36		0.67		2.2	0.4	3.3		7	4.4	9.8
63		0.035		0.072		0.34		0.61		1.9		2.8		6	3.5	8.3
71		0.032		0.065		0.32		0.56		1.75		2.3		5.2	3.1	6.9
80		0.031		0.059		0.295		0.51		1.55		2		4.4	1.5	5.8
90		0.0285		0.052		0.275		0.45		1.5		1.8		3.7	2	4.8
100		0.0275		0.047		0.26		0.41		1.35		1.5		3	1.7	3.8
112		0.0265		0.044		0.255		0.36		1.3		1.3		2.6	1.4	3.3
125		0.0255		0.04		0.235		0.35		1.15		1.1		1.1		1.7
140				0.035		0.23		0.31		1.1		0.9		1.8		2.2
160				0.03				0.29		0.98		0.8		1.5		1.9
180								0.27				0.6		1.3		1.5
200												0.5				
224												0.4				

5-stage gear units J (10^{-3} kgm 2)

i_N	Size							
	26C16B	36C16B	46C16B	56C16B	66C36B	76C36B	86C36B	96C36B
125								1.35
140								1.3
160		0.083				1.05		1.1
180	0.086	0.074		0.12	1		0.93	
200	0.078	0.063	0.095	0.11	0.99	1.25	0.99	1.45
224	0.07	0.092	0.084	0.092	0.97	1.05	0.85	1.35
250	0.06	0.082	0.075	0.077	0.95	0.89	0.74	1.25
280	0.056	0.074	0.064	0.068	0.84	0.77	0.66	1.05
315	0.05	0.062	0.059	0.06	0.72	0.69	0.57	0.91
355	0.045	0.058	0.052	0.055	0.64	0.59	0.52	0.78
400	0.043	0.051	0.048	0.05	0.33	0.54	0.46	0.7
450	0.04	0.047	0.045	0.046	0.3	0.48	0.45	0.6
500	0.036	0.044	0.042	0.04	0.32	0.42	0.39	0.54
560	0.033	0.041	0.037	0.036	0.32	0.34	0.38	0.48
630	0.031	0.037	0.034	0.034	0.32	0.31	0.33	0.44
710	0.029	0.034	0.032	0.031	0.31	0.33	0.3	0.4
800	0.0275	0.032	0.03	0.0295	0.29	0.31	0.3	0.4
900	0.0265	0.029	0.028	0.028	0.31	0.28	0.27	0.34
1000	0.0255	0.028	0.027	0.027	0.29	0.27	0.265	0.31
1120	0.0245	0.027	0.026	0.0255	0.265	0.25	0.245	0.31
1250	0.023	0.026	0.0245	0.0235	0.26	0.23	0.225	0.275



7. Technical Appendix

SP4

2-stage gear units J (10^{-3} kgm 2)

i_N	Size							
	16B	26B	36B	46B	56B	66B	76B	86B
3.15								
3.55								
4								
4.5								
5								
5.6	0.085	0.22	0.81	1.85	6.1			
6.3	0.077	0.2	0.73	1.65	5.4	9.9	20	32
7.1	0.069	0.18	0.64	1.5	4.7	8.5	17	27.2
8	0.059	0.16	0.58	1.25	4.1	7.4	14.5	23.2
9	0.055	0.135	0.53	1.15	3.7	6.4	13	21
10	0.049	0.12	0.47	1.05	3.2	5.8	11	17.5
11.2	0.045	0.11	0.44	0.89	2.8	4.9	10	12.75
12.5	0.043	0.093	0.4	0.82	2.55	4.5	8.9	11.25
14	0.04	0.085	0.37	0.71	2.35	4	7.9	8.75
16	0.036	0.077	0.35	0.64	2	3.4	6.4	
18	0.033	0.069	0.32	0.58	1.8	3	5.6	
20	0.031	0.062	0.3	0.53	1.65	2.75	4.8	
22.4	0.029	0.055	0.28	0.47	1.55	2.6	4.5	
25	0.0275	0.048	0.26	0.42	1.4	2.3	3.8	
28	0.0265	0.045	0.255	0.37	1.3	2.2	3.5	
31.5	0.0255	0.041	0.235	0.35	1.15	1.9	2.9	
35.5	0.0245	0.037	0.23	0.31	1.1			
40	0.023	0.032	0.22	0.27	1			
45	0.022	0.028	0.215	0.23	0.9			
50	0.021	0.024	0.205	0.2	0.85			
63	0.0175	0.036	0.17	0.17				
71	0.016	0.0325	0.16	0.15				
80	0.0155	0.0295	0.1475					
90	0.0142	0.026	0.1375					
100	0.0137	0.0235	0.13					

3-stage gear units J (10^{-3} kgm 2)

i_N	Size				
	46C	56C	66C	76C	86C
35.5	1.02	3.25			11
40	0.96	3	3.4	3.8	9
45	0.84	2.65	2.95	3.3	7.4
50	0.77	2.4	2.7	3	6.4
56	0.67	2.2	2.5	2.75	5.1
63	0.61	1.9	2.2	2.4	4.1
71	0.56	1.75	2	2.15	3.3
80	0.51	1.55	1.85	1.95	2.95
90	0.45	1.5	1.75	1.85	2.5
100	0.41	1.35	1.6	1.65	2.05
112	0.36	1.3	1.55	1.6	1.75
125	0.35	1.15	1.4	1.45	1.4
140	0.31	1.1	1.35	1.35	1.2
160	0.29	0.98	1.25	1.25	0.90
180	0.27				0.76

7. Technical Appendix

SK4

3-stage gear units J (10⁻³ kgm²)

<i>i_N</i>	Size							
	26C	36C	46C	56C	66C	76C	86C	96C
7.1	0.232							
8	0.185	0.473	2	5.4				
9	0.165	0.403	1.55	4.9	8.2	18.5	42	90
10	0.133	0.313	1.3	4.1	7.3	15.5	35	72
11.2	0.106	0.267	1.05	3.3	6	12	25.5	58
12.5	0.24	0.225	0.88	2.6	4.7	9.7	22.5	46
14	0.202	0.535	1.7	4.8	3.7	8.3	17.5	40
16	0.187	0.475	1.35	4.4	3.1	6.7	14.5	32
18	0.161	0.398	1.1	3.7	6.3	15.5	35	79
20	0.139	0.359	0.891	2.95	5.6	13.5	29	63
22.4	0.129	0.322	0.768	2.35	4.7	10.5	21.5	51
25	0.12	0.307	0.609	2	3.7	8.4	19	41
28	0.105	0.26	0.52	1.6	2.95	7.2	15	35
31.5	0.0984	0.253	0.439	1.4	2.45	5.8	12.5	28.5
35.5	0.086	0.228	0.392	1.2	1.95	4.7	11	24.5
40	0.0827	0.208	0.305	0.984	1.65	4	9	19.5
45	0.0761	0.198	0.271	0.854	1.45	3.2	7.4	16.5
50	0.0717	0.183	0.218	0.675	1.15	2.95	6.4	13.5
56	0.0676	0.173	0.179	0.516	1	2.5	5.1	11.5
63	0.0646	0.165	0.154	0.48	0.792	1.9	4.1	9.3
71	0.0617	0.158	0.119	0.4	0.646	1.55	3.3	7.3
80	0.0586	0.151	0.108	0.33	0.598	1.3	2.95	6.1
90	0.0567	0.147	0.0819	0.3	0.504	1.15	2.5	4.8
100	0.0494	0.142	0.069	0.237	0.42	0.918	2.05	4.1
112	0.049	0.137	0.0591	0.211	0.383	0.809	1.75	3.6
125	0.0486	0.134	0.0498	0.159	0.31	0.608	1.4	2.7
140	0.0483	0.121	0.0137	0.137	0.28	0.523	1.2	2.3
160			0.0119		0.22	0.442	0.904	3.1
180			0.00895		0.195		0.764	
200							0.635	



7. Technical Appendix

4/5-stage gear units J (10^{-3} kgm 2)

i _N	Size							
	26C16B	36C16B	46C16B	56C16B	66C16B	76C36B	86C36B	96C36B
160	0.0716	0.0847						
180	0.061	0.0751	0.099			0.996		1.7
200	0.0566	0.0638	0.0975	0.123	0.147	0.877		1.6
225	0.0503	0.0588	0.0869	0.116	0.138	0.756	1.1	1.4
250	0.046	0.0521	0.0768	0.112	0.107	0.671	0.958	1.2
280	0.0438	0.0474	0.0651	0.0985	0.102	0.602	0.819	1
315	0.0407	0.045	0.0598	0.0859	0.085	0.528	0.721	0.881
355	0.0365	0.0416	0.0529	0.0723	0.0647	0.486	0.642	0.768
400	0.0334	0.0372	0.052	0.0655	0.0657	0.437	0.56	0.663
450	0.0313	0.0339	0.0474	0.0575	0.0583	0.4	0.512	0.594
500	0.0293	0.0318	0.045	0.0518	0.0537	0.373	0.458	0.523
560	0.0277	0.0296	0.0416	0.0485	0.0485	0.318	0.416	0.468
630	0.0267	0.028	0.0342	0.0444	0.0372	0.315	0.385	0.425
710	0.0256	0.0269	0.0339	0.0393	0.0381	0.292	0.348	0.379
800	0.0246	0.0258	0.0318	0.0356	0.0352	0.269	0.323	0.348
900	0.0231	0.0247	0.0296	0.0331	0.0323	0.262	0.298	0.318
1000	0.0221	0.0232	0.028	0.0307	0.0302	0.241	0.274	0.291
1120	0.0221	0.0211	0.0269	0.0289	0.0286	0.235	0.267	0.28
1250	0.022	0.0221	0.0258	0.0276	0.0272	0.224	0.244	0.254

7.4.11 External loads at the output shaft

Calculation

Occurring radial load

The radial load exerted through a power transmission element is derived from the following formula:

$$F_r = \frac{9550 \times P_a \times f_r}{n_2 \times r} \quad \text{or} \quad F_r = \frac{T_a \times f_r}{r}$$

whereby

- F_r = calculated radial load (N)
- P_a = effective output (kW)
- T_a = output torque (Nm)
- n_2 = output speed (min^{-1})
- r = pitch circle radius of power transmission element (m)
- f_r = factor for the radial load
 - = 1 for a sprocket (single string)
 - = 1.25 for a gear wheel or sprocket (double string)
 - = 1.5 for a V-belt pulley
 - = 2.5 for a flat belt pulley

7. Technical Appendix

Point of action of the radial load

The distance of the point of action to the shaft shoulder must be as small as possible.

The following tables provide the permissible rated external loads (F_{rN}) at four different points of action.

For other points of action, the values can be determined through interpolation.

Check:

Check whether	$F_{rN} = F_r \times SF_{min}$
---------------	--------------------------------

whereby

SF_{min} = required Service Factor

F_{rN} = permissible rated external load

Permissible rated external loads F_{rN}^* (N) at the output shaft for multi-stage gear units (entire S4 family).

Point of action Ar

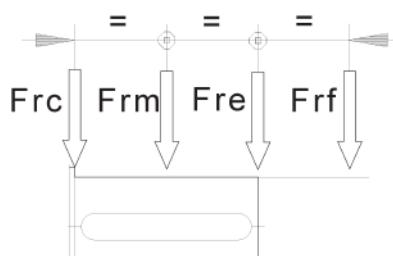
n₂	Ar	Size								
min⁻¹		16	26	36	46	56	66	76	86	96
≤ 20	A_{rc}	1.4	1.25	1.25	1.25	1.25	1.25	1.3	1.25	1.15
	A_{rm}	1	1	1	1	1	1	1	1	1
	A_{re}	0.55	0.5	0.5	0.8	0.85	0.65	0.6	0.6	0.65
	A_{rf}	0.4	0.3	0.3	0.55	0.6	0.45	0.45	0.45	0.45
45	A_{rc}	1.4	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.15
	A_{rm}	1	1	1	1	1	1	1	1	1
	A_{re}	0.55	0.5	0.5	0.8	0.85	0.75	0.8	0.6	0.65
	A_{rf}	0.4	0.3	0.3	0.55	0.6	0.5	0.55	0.45	0.45
60	A_{rc}	1.4	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.15
	A_{rm}	1	1	1	1	1	1	1	1	1
	A_{re}	0.55	0.5	0.5	0.8	0.85	0.8	0.85	0.7	0.65
	A_{rf}	0.4	0.3	0.3	0.55	0.6	0.55	0.55	0.5	0.45
75	A_{rc}	1.25	1.25	1.3	1.25	1.25	1.25	1.25	1.25	1.15
	A_{rm}	1	1	1	1	1	1	1	1	1
	A_{re}	0.6	0.75	0.55	0.85	0.85	0.85	0.85	0.8	0.7
	A_{rf}	0.4	0.45	0.35	0.6	0.7	0.6	0.6	0.55	0.45
95	A_{rc}	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.15
	A_{rm}	1	1	1	1	1	1	1	1	1
	A_{re}	0.6	0.8	0.6	0.8	0.85	0.85	0.8	0.8	0.7
	A_{rf}	0.45	0.5	0.4	0.6	0.7	0.65	0.65	0.55	0.45
150	A_{rc}	1.25	1.2	1.2	1.25	1.25	1.25	1.25	1.25	1.2
	A_{rm}	1	1	1	1	1	1	1	1	1
	A_{re}	0.65	0.85	0.7	0.85	0.85	0.85	0.85	0.85	0.7
	A_{rf}	0.45	0.65	0.45	0.6	0.7	0.7	0.7	0.6	0.45
240	A_{rc}	1.25	1.25	1.15	1.25	1.25	1.25	1.25	1.25	1.25
	A_{rm}	1	1	1	1	1	1	1	1	1
	A_{re}	0.65	0.85	0.8	0.85	0.85	0.85	0.85	0.8	0.75
	A_{rf}	0.45	0.75	0.55	0.7	0.7	0.7	0.7	0.65	0.5

$$F_{rc} = F_{rN} \times A_{rc}$$

$$F_{rm} = F_{rN} \times A_{rm}$$

$$F_{re} = F_{rN} \times A_{re}$$

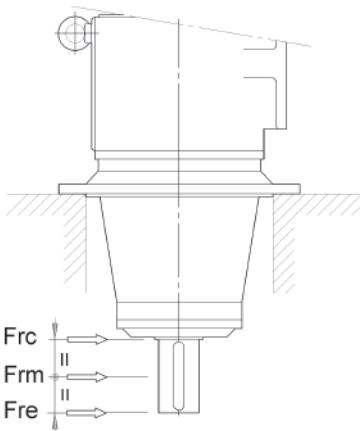
$$F_{rf} = F_{rN} \times A_{rf}$$



7. Technical Appendix

Permissible rated external loads F_{rN} (N) at the output shaft for multi-stage gear units with elongated bearing casing (SI4 only)

		Version SICL - SIFL - SICP - SIFP for SI4			
n₂	F_{rN}	Size			
min⁻¹	(N)	46B	46C	56B	56C
≤ 60	F_{rc}	32500	19000	54500	22900
	F_{rm}	15000	8900	26500	11000
	F_{re}	9900	5800	17500	7200
75	F_{rc}	32500	19000	54500	22900
	F_{rm}	15000	8900	26500	11000
	F_{re}	9900	5800	17500	7200
95	F_{rc}	28000	15500	54500	22900
	F_{rm}	13500	6500	26500	11000
	F_{re}	9000	5000	17500	7200
150	F_{rc}	26000	-	48000	-
	F_{rm}	13500	-	25000	-
	F_{re}	9000	-	16000	-
240	F_{rc}	26000	-	48000	-
	F_{rm}	13500	-	25000	-
	F_{re}	9000	-	16000	-



$$F_{rc} = FrN \times A_{rc}$$

$$F_{rm} = FrN \times A_{rm}$$

$$F_{re} = FrN \times A_{re}$$

7.4.12 Installation, General Conditions

The drive units must be installed or attached free of vibration or mounted on a flat, rigid and solid frame or foundation in order to avoid vibrations.

CAUTION!

The drive units must be aligned with utmost care! Stress and strain in the housing must be avoided.

To align the gear unit, place it on 3 of the 4 mounting points and use shims to match the fourth point to an accuracy of less than 0.2 mm.

7. Technical Appendix

After the gear unit has been aligned correctly and after the shims have been fitted, the gear unit must be firmly screwed down to the foundation. Screw class 8.8 in accordance with DIN 267. Screw size: see dimensional drawings. The screws must be tightened to the torque requirements as specified by the manufacturer. Trouble-free lubrication and ventilation are ensured only when the gear unit is mounted in the correct position.

It is necessary to correct the amount of lubricant and the position of the breather screw if the mounting position of the gear unit is changed.

Before start-up, check the position-dependent oil level by loosening the oil level plug of the drive unit.

CAUTION!

Sizes 1 and 2 are lubricated for life. In this case, the surface temperature and the noise level emitted by the gear unit must be constantly monitored during the procedure.

Intermediate inserts or pads made of plastic must be used if there is a risk of electrochemical corrosion between the gear unit and system. Gear unit casings must be grounded.

The cooling air intake of the motor must not be obstructed.

7.4.12 Mounting power transmission elements

Observe the operating instructions provided with the power transmission elements. Use elastic couplings for direct power transmission from gear unit to driven machine, while slip couplings are required in case of a blocking risk. Only use rigid couplings in connection with unsupported or overhanging shafts (e.g. with agitators or aerators). Due to the radial loads that occur, power transmission elements such as flat belts or V-belts, gearwheels and sprockets, cranks, eccentric cams etc. are to be arranged as close to the gear unit housing as possible. Consequently, the bearings and drive shaft are then subject to the lowest load. Refer to the technical sales documentation for the maximum permissible load values.

The protective coating on the end of the shaft must be removed by suitable means prior to mounting the transmission elements. The same procedure applies for transmitting the drive power to the gear unit in connection with a free drive shaft. Great care must be taken while fitting power transmission elements onto the ground output shaft of the gear unit, and can be carried out using the threaded hole provided for this purpose on the end face of the shaft. Preferably, the power transmission element should be heated to a temperature of approx. 100 C°. The hole is to be dimensioned in accordance with ISO H7. All parts must be thoroughly deburred, cleaned and the fit locations lightly greased. Avoid all knocks and impact to the end of the shaft.

7.4.13 Mounting coupling on output shaft

Observe the operating instructions from the coupling manufacturer. Accurate alignment and regular inspection are necessary.

The maximum permissible shaft extensions of the coupling used must be maintained and checked.

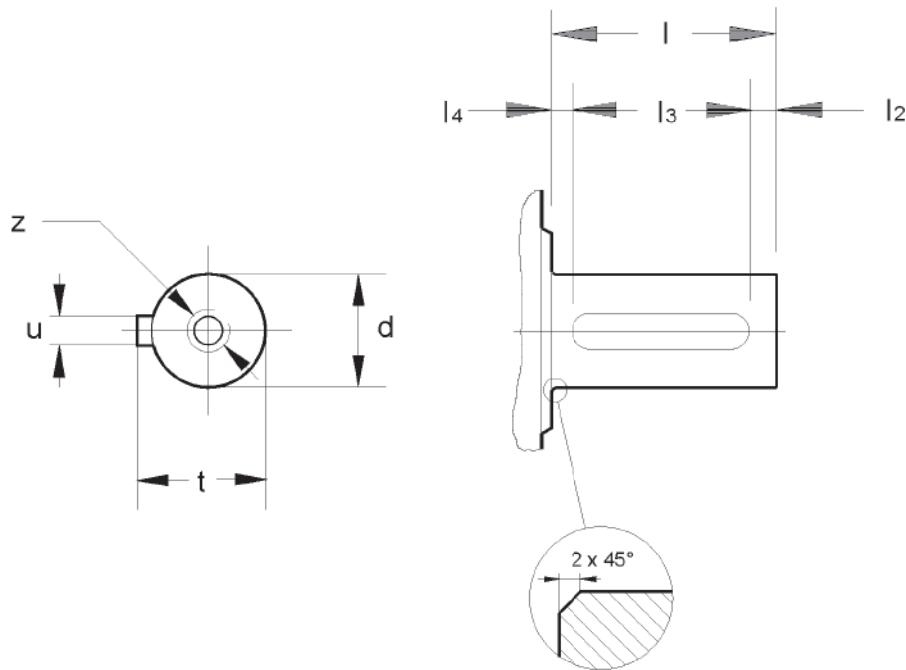
The specified distance between the coupling halves should be maintained.

Only adjust the radial offset after the angle offset and the distance between the shaft ends have been checked. Recheck the angle offset after correcting the radial offset.

7. Technical Appendix

7.4.16 Mounting gear units with solid shaft

Shaft dimensions



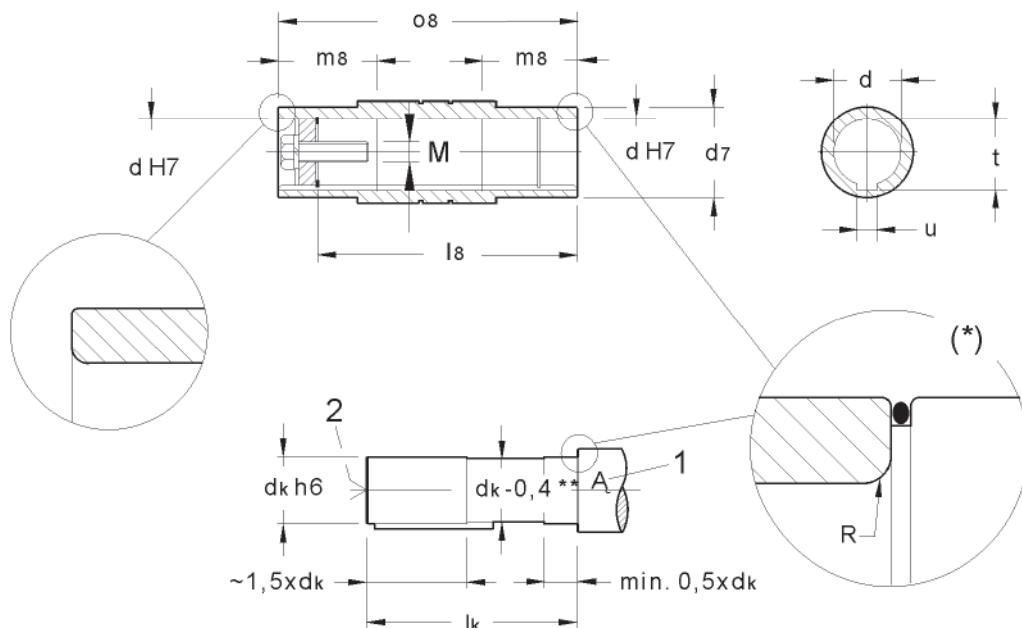
Size	<i>d</i>	<i>L</i>	<i>l₂</i>	<i>l₃</i>	<i>l₄</i>	<i>t</i>	<i>u</i>	<i>z</i>
16	25k6	50	5	40	5	28	8	M10x22
26	30k6	60	3,5	50	6,5	33	8	M10x22
36	40k6	80	2	70	8	43	12	M16x36
46	50k6	100	10	80	10	53,5	14	M16x36
56	60m6	120	5	110	5	64	18	M20x42
66	70m6	140	4	125	11	74,5	20	M20x42
76	90m6	170	5	153	12	95	25	M24x50
86	110m6	210	5	193	12	116	28	M24x50
96	120m6	210	5	193	12	127	32	M24x50

Feather key to DIN 6885-T1-"Form A"

7. Technical Appendix

7.4.17 Mounting shaft-mounted geared motors with hollow shaft with keyway

Shaft dimensions



7

Size	d	d_7	l_8	M	m_8	o_8	R	t	u	d_k	l_k
16	30	45	105	M10	45	120	3	33.3	8	30	82
26	35	50	132	M12	50	150	3	38.3	10	35	109
36	40	55	156	M16	60	180	3	43.3	12	40	127
46	50	70	183	M16	65	210	4	53.8	14	50	154
56	60	85	210	M20	75	240	4	64.4	18	60	174
66	70	100	270	M20	80	300	4	74.9	20	70	234
76	90	120	313	M24	90	350	4	95.4	25	90	279
86	100	140	373	M24	100	410	4	106.4	28	100	330
96	120	160	460	M24	120	500	4	127.4	32	120	416

1: Driven machine drive shaft

2: Centering to DIN 332 "Form D"

(*) An O-ring is recommended to provide increased protection against moisture.

The dimensions apply to the hollow shaft.

** Recommended for simple mounting.

Keyways to DIN 6885-T1-"Form A"

Feather key to DIN 6885-T1-"Form A"

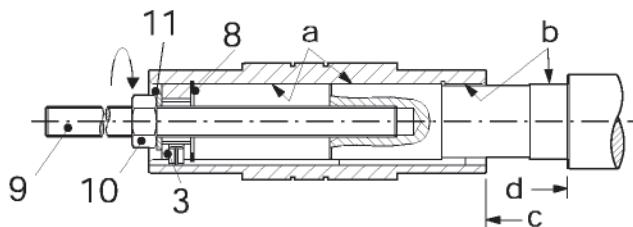
Occurring loads must be considered for the selection of the material of the machine shaft.



7. Technical Appendix

Assembly

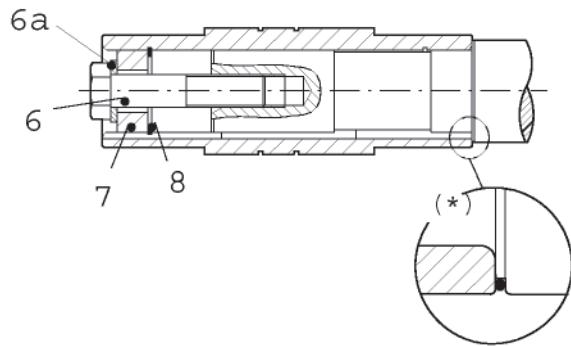
- Clean and degrease contact surfaces (a) and (b).
- Grease contact surfaces (a) and (b) with "Molykote D321R" or an equivalent lubricant.
- Slide the geared motor onto the driven shaft until the faces (c) and (d) are positioned opposite each other. Fit a threaded rod (9), nut (10), puller ring (11), thrust washer (3) and a retaining ring (8) as required.
- Remove tools (3, 9, 10, 11).



Mounting

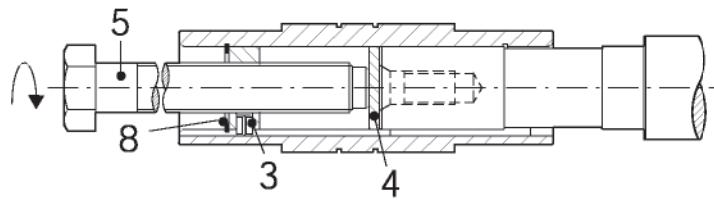
- Fit the mounting ring (7) against the retaining ring (8). Secure the machine shaft by means of mounting screw (6) and washer (6a).
- Fit protective cover.
- If the shaft is subject to external axial loads, follow the special guidelines provided on the dimensioned drawing.

(*) An O-ring is recommended to provide increased protection against moisture.



Disassembly

- Remove mounting screw (6), washer (6a), mounting ring (7) and retaining ring (8).
- Fit pulling washer (4) and thrust washer (3) and reinstall retaining ring (8).
- Fit pulling screw (5) in threaded center of thrust washer (3).
- Remove the geared motor from the drive shaft by tightening the screw (5).



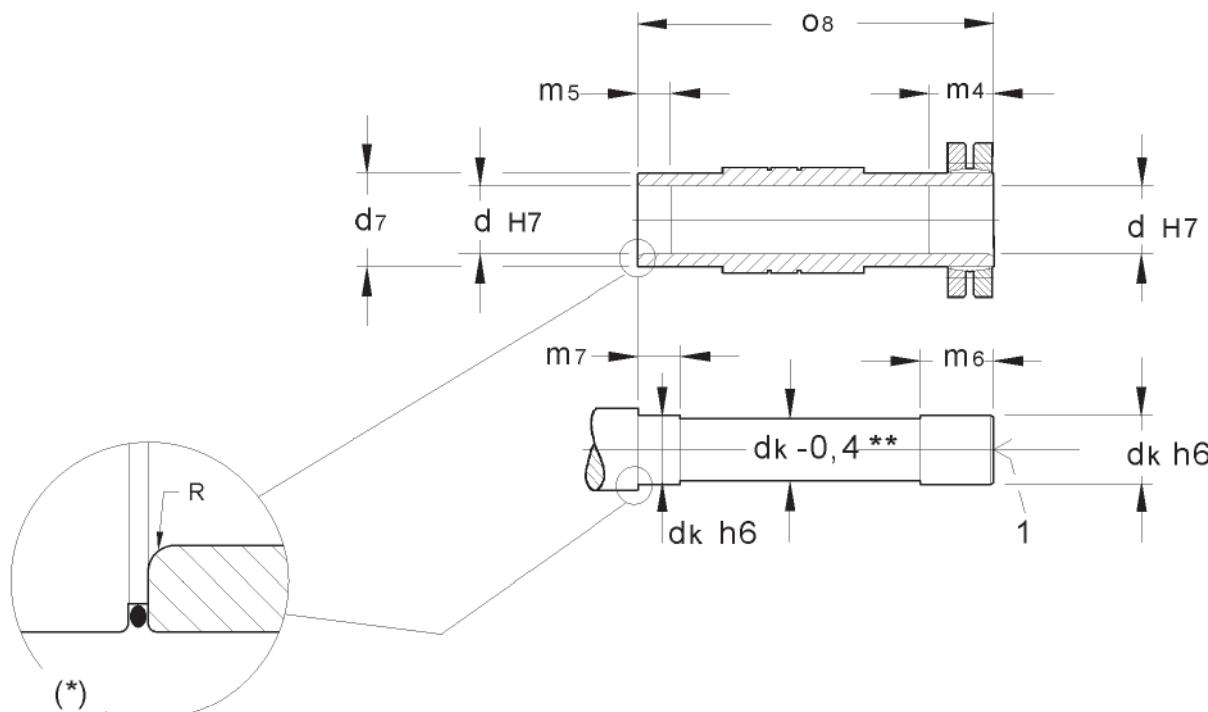
Note:

Items 3, 4, 5, 9, 10 and 11 do not belong to the standard scope of delivery, however, they are optionally available in the form of an assembly kit.

7. Technical Appendix

7.4.18 Mounting shaft-mounted geared motors with hollow shaft with shrink-fit ring

Shaft dimensions



Size	d	d _k	d ₇	m ₄	m ₅	m ₆	m ₇	o ₈	R
16	30	30	45	31	20	36	25	146	3
26	35	35	50	32	20	37	25	177	3
36	40	40	55	38	20	43	25	208	3
46	50	50	70	36	25	41	30	241	4
56	65	65	85	41	40	46	30	281	4
66	75	75	100	55	50	60	55	345	4
76	95	95	120	65	60	75	70	405	4
86	105	105	140	85	70	95	80	485	4
96	125	125	160	90	80	100	90	580	4

1) Centering to DIN 332 "Form D" recommended for simple assembly/disassembly

(*) An O-ring is recommended to provide increased protection against moisture.

The dimensions apply to the hollow shaft.

** Recommended for simple mounting.

Occurring loads must be considered for the selection of the material of the machine shaft.

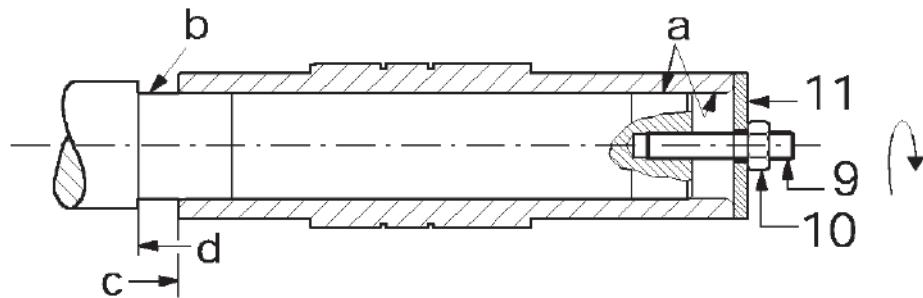


7. Technical Appendix

The shrink-fit ring supplied by Premium Stephan is ready for installation.
Do not pull apart before initial assembly.

Assembly

- Clean and degrease contact surfaces (a) and (b).
- Grease contact surface (b) - BUT ON NO ACCOUNT contact surface (a) - with "Molykote D321R" or an equivalent lubricant.
- Slide the geared motor onto the driven shaft until the faces (c) and (d) are positioned opposite each other. If necessary, fit a threaded rod (9), nut (10) and a thrust washer (11).
- Remove tools (9, 10, 11).



To prevent the shaft slipping, the screws must be tightened to the torque specified in the table below in order to be able to transmit the output torque specified on the type identification plate.

Mounting

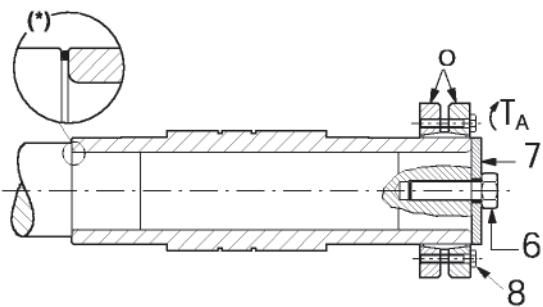
- Install shrink-fit ring. Remove the spacer rings fitted between the outer rings (o) for transportation purposes.
IMPORTANT: The two outer rings (o) must be arranged plane-parallel during the assembly procedure and while tightening the screws.
- Use a torque wrench to tighten the screws (8) in stages one after the other until the specified tightening torque TA (see table) is reached. Do not tighten the screws crosswise.
- Fit protective cover.

Size	TA (Nm)
1	12
2	12
3	12
4	12
5	30
6	35
7	59
8	120
9	250

CAUTION!

The screws for the shrink-fit ring must never be tightened if the shrink-fit ring is not fitted.

7. Technical Appendix



Securing in connection with axial load

A securing ring (7) and screw (6) must be fitted if the axial load is not taken up by the shoulder of the machine shaft.

Disassembly

- Release all screws (8) evenly by turning a quarter turn one after the other.
- Remove the shrink-fit ring from the hollow shaft.
- Remove the gear unit from the drive shaft.

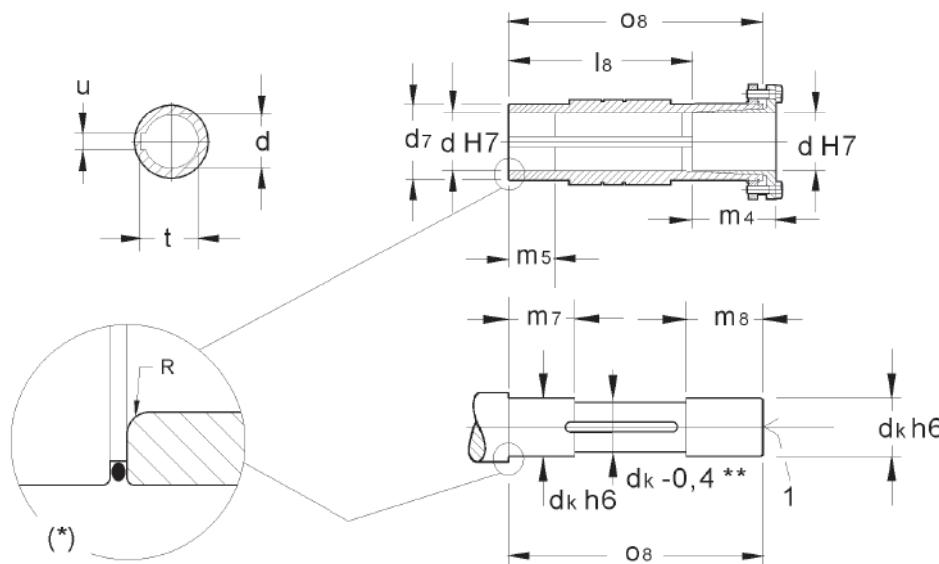
Note: Items 6, 7, 9, 10 and 11 do not belong to the standard scope of delivery, however, they are optionally available in the form of an assembly kit.

Cleaning and lubricating

If reused, the removed shrink-fit rings need not be disassembled into individual parts for cleaning and lubricating purposes unless they are heavily soiled. After cleaning, grease the conical surfaces with "Molykote D321R" (or an equivalent, solid lubricant with a coefficient of friction of $\mu = 0.04$).

7.4.19 Mounting shaft-mounted geared motors with hollow shaft with conical taper bush

Shaft dimensions



Size	d	dk	d ₇	l ₈	m ₄	m ₅	m ₇	m ₈	o ₈	R	T	u
46	50	50	70	174	66.5	30	40	70	228	4	53.8	14
56	60	60	85	191	85	40	50	90	261	4	64.4	18
66	70	70	100	243	91	70	80	80	322	4	74.9	20
76	90	90	120	309	75.5	90	100	65	372	4	95.4	25
86	100	100	140	365	88	100	110	95	437	4	106.4	28
96	120	120	160	444	102	120	130	105	530	4	127.4	32

1) Centering to DIN 332 "Form D"

(*) An O-ring is recommended to provide increased protection against moisture.
The dimensions apply to the hollow shaft.

** Recommended for simple mounting.

Occurring loads must be considered for the selection of the material of the machine shaft.

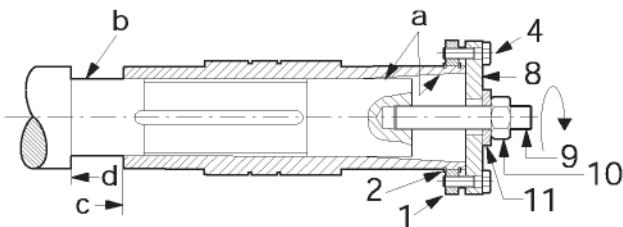


7. Technical Appendix

The Premium Stephan taper bush system is supplied separately.

Assembly

- Clean and degrease contact surfaces (a) and (b).
- Grease contact surface (b) - BUT ON NO ACCOUNT contact surface (a) - with "Molykote D321R" or an equivalent lubricant.
- Fit support ring (1) either between the two shaft retaining rings (2) or between the shaft retaining ring (2) and the shoulder of the hollow shaft.
- Align the hollow shaft of the geared motor and the machine shaft. The feather key and keyway must be aligned opposite each other.
- Slide the geared motor onto the driven shaft until the faces (c) and (d) are positioned opposite each other. If necessary, fit a threaded rod (9), nut (10), washer (11) and a thrust washer (8). Secure the thrust washer with screws (4).
- Remove tools (8, 9, 10, 11).

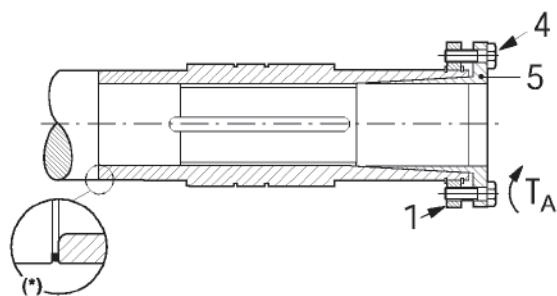


To prevent the shaft slipping, the screws must be tightened to the torque specified in the table below in order to be able to transmit the output torque specified on the type identification plate.

Mounting

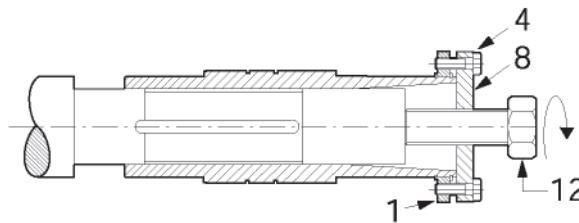
- Fit conical clamping sleeve in hollow shaft without using force.
- Align through-holes in clamping sleeve with threaded holes in support ring (1), fit screws (4) and secure hand-tight.
- Use a torque wrench to tighten screws (4) in stages one after the other until the necessary tightening torque TA (see table) is reached.
- Retighten screws after 24 hours of operation.
- Fit protective cover.

Size	TA (Nm)
4	15
5	30
6	30
7	30
8	60
9	60



Disassembly

- Release all screws (4) evenly by turning a quarter turn one after the other.
- Remove taper bushing (5). If the taper bushing (5) does not release of its own accord, fit two bolts in the tapped holes and tighten them against the support ring (1).
- Secure thrust washer (8) with pin (4).

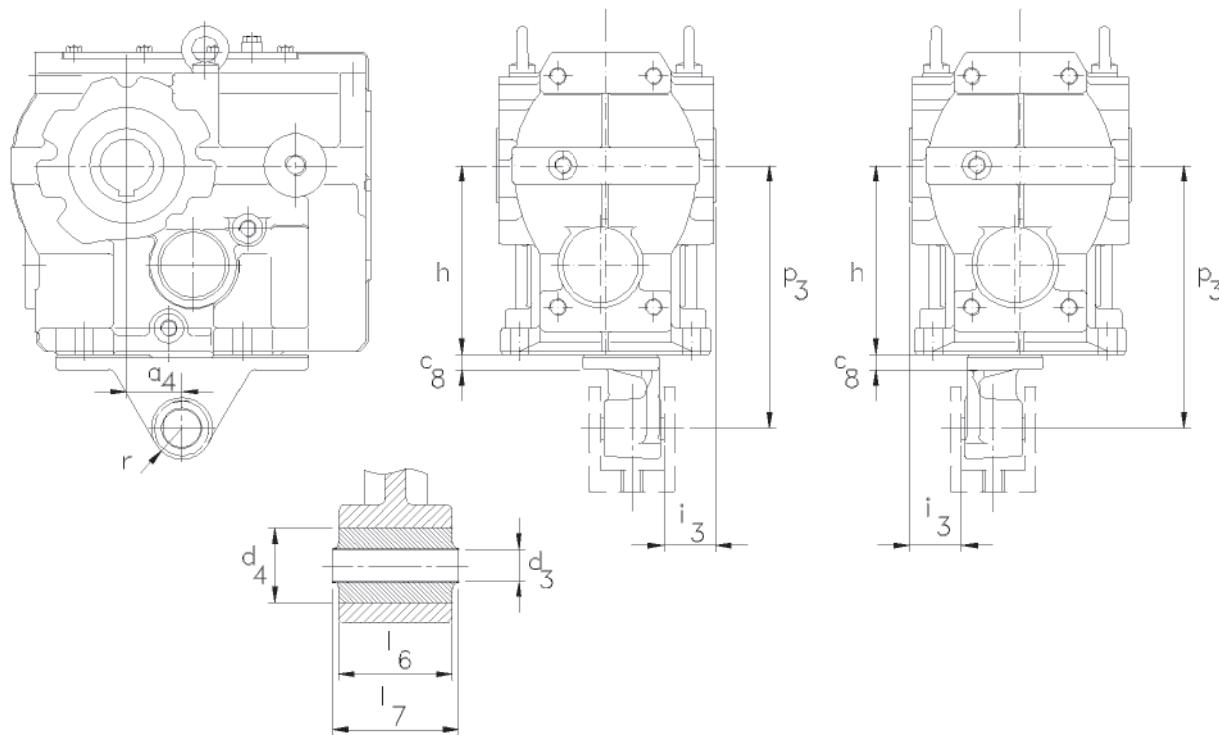


- Fit pulling screw (12) in threaded center of thrust washer (8).
- Tighten pulling screw (12) in order to remove the geared motor from the machine shaft.

7. Technical Appendix

7.4.20 Torque support SK4

The reaction forces in connection with helical bevel gear unit motors that are used as slip-on gear units must be taken up by a torque support (optionally available) or by a flexible element (no rigid connection).



7

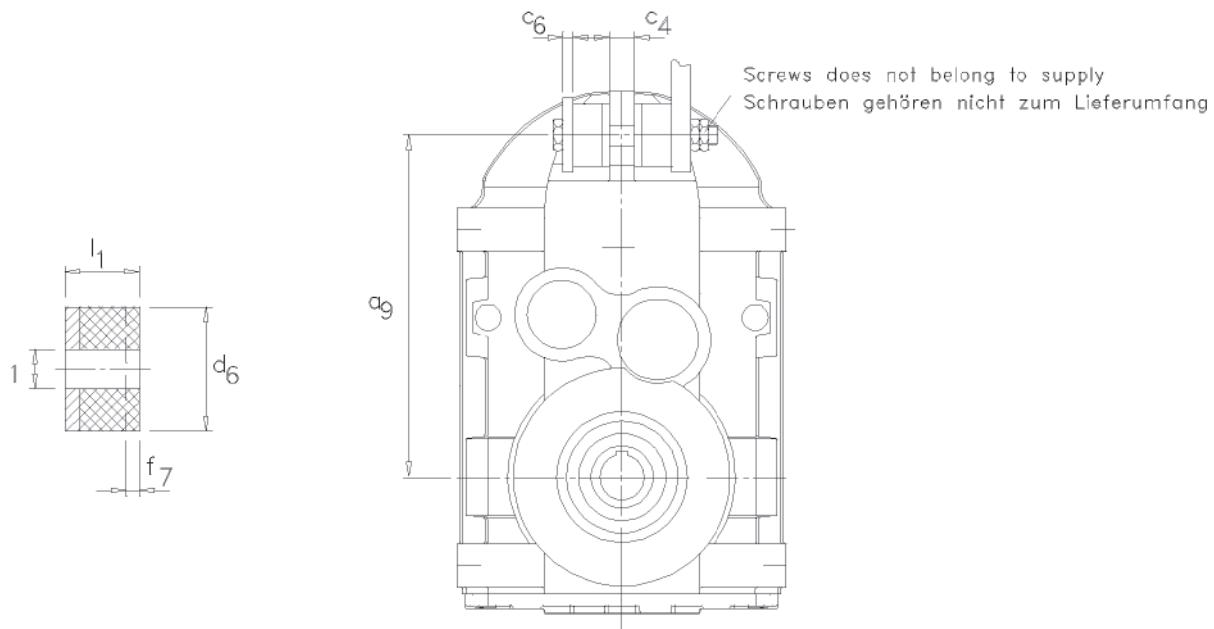
Size	a_4	r	c_8	h	i_3	p_3	d_3	d_4	i_6	i_7
SK26	30	22,5	12	112	20	160	10,4	26	31	36
SK36	45	29	13	140	25	200	16,4	36	54	60
SK46	52,5	29	14	180	25	250	16,4	36	54	60
SK56	60	41	16	212	30	300	25	52	72	80
SK66	70	41	17	265	40	350	25	52	92	100
SK76	74	41	20	315	45	450	25	52	92	100
SK86	60	70	45	375	7	550	40	103	110	126
SK96	50	70	45	450	2	700	40	103	110	126

Dimensions in mm

7. Technical Appendix

7.4.21 Torque support SP4

The reaction forces in connection with parallel shaft helical bevel geared motors that are used as slip-on gear units must be taken up by a torque support (optionally available) or by a flexible element (no rigid connection).

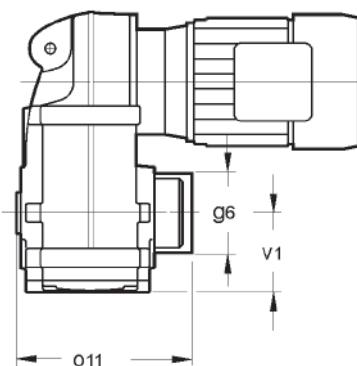
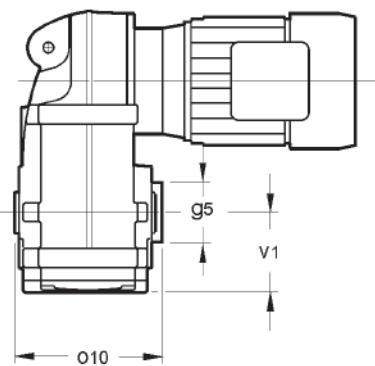


Size	a_9	c_4	c_6 min	d_1 $+ 0,5$	d_6	f_7^*	l_1
SP16	158	12	5	12.5	40	1.6	20
SP26	170	12	5	12.5	40	1.6	20
SP36	218	16	5	12.5	40	2.5	20
SP46	278	20	10	21	60	3.3	30
SP56	346	26	10	21	60	4.3	30
SP66	395	30	12	25	80	4	40
SP76	485	36	12	25	80	6.3	40
SP86	550	40	15	32	100	10.5	60

Dimensions in mm / *approx. spring excursion at Mamax

7. Technical Appendix

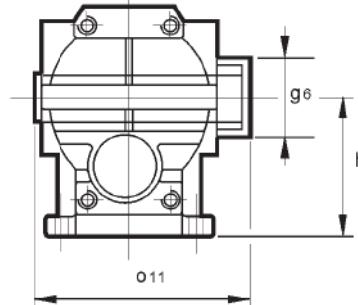
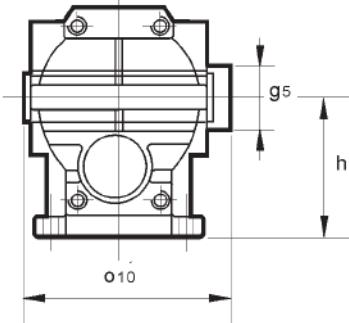
7.4.22 Protection covers for SP4 output shafts



Size	SP.H			SP.S / SP.B / SP.C		
	g₅	o₁₀	v₁	g₆	o₁₁	v₁
16	86	135	78	86	160	78
26	100	166	86	100	190	86
36	110	195	104.5	110	225	104.5
46	135	230	125	135	255	125
56	165	265	151.5	165	300	151.5
66	205	325	178	205	360	178
76	225	380	200	225	435	200
86						

The protection cover is not a part of the standard scope of delivery.

7.4.23 Protection covers for SK4 output shafts



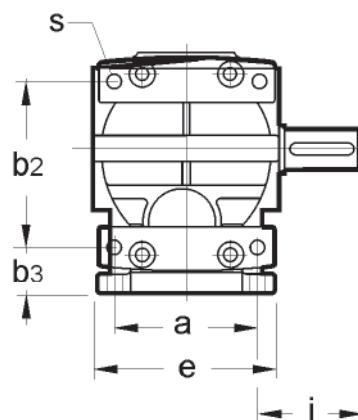
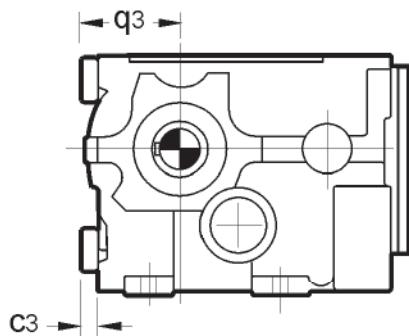
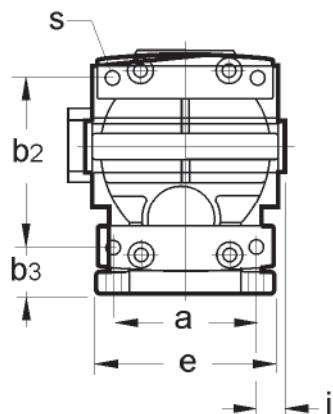
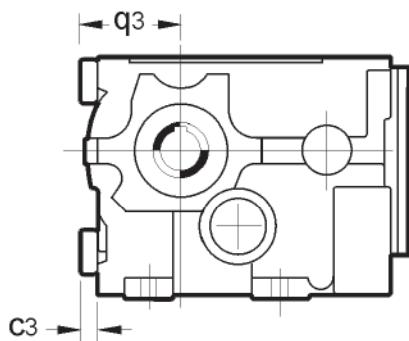
Size	SK.H			SK.S / SK.B / SK.C		
	g₅	o₁₀	h	g₆	o₁₁	h
26	100	166	112	100	190	112
36	110	195	140	110	221	140
46	135	230	180	135	255	180
56	170	262	212	170	290	212
66	200	332	265	200	360	265
76	230	395	315	230	420	315
86	250	445	375	250	515	375
96	310	535	450	310	610	450

The protection cover is not a part of the standard scope of delivery.



7. Technical Appendix

7.4.24 Foot plates for SK4 gear units size 2 to 5



Size	A	b ₂	b ₃	c ₃	e	i		q ₃	s
						SKZH/S/B	SKZN		
26	120	130	37	16	145	15	75	71	11
36	140	160	45	18	170	20	101	90	14
46	165	200	55	25	200	22.5	123.5	112	17.5
56	180	233	70	25	230	30	150	132	23

The foot plates are not a part of the standard scope of delivery.

Sizes 66 to 96 have cast-on feet, see dimensional drawings.

Notizen / Notice / Notes:

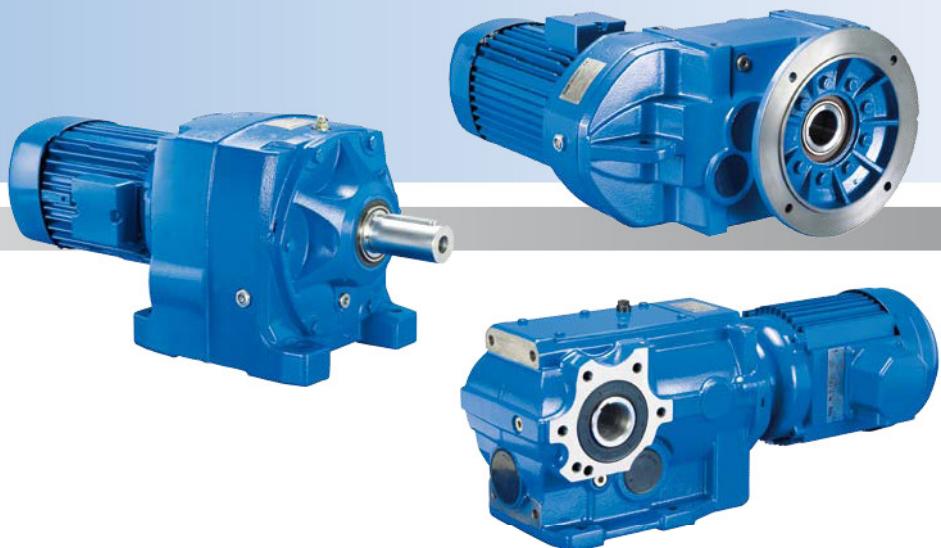
Notizen / Notice / Notes:



SIT S.A. | Tfn. 943 457200 | atencioncliente@sitsa.es | www.sitsa.es



PREMIUM STEPHAN



Premium Stephan Hameln

Branch office of Premium Stephan B.V.
Ohsener Str. 79 - 83
D - 31789 Hameln

Phone: +49 5151 780-0
Fax: +49 5151 780-441
E-Mail: info@premium-stephan.com
Internet: www.premium-stephan.com



SOCIEDAD INDUSTRIAL DE TRANSMISIONES, S.A.
Pº Ubarburu, 67 - 20014 San Sebastián
Tfno. 943 457200
Fax 943 463356
www.sitsa.es
atencioncliente@sitsa.es
07_01_01