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SCK系列准双曲面减速机

SCK SERIES HELICAL-HYPOID GEAR UNITS

动静之间 · 唯简不凡



广东星光传动股份有限公司前身是一家创建于1965年的国有军工企业——国营星光工模具厂，公司在追求全体员工物质和精神双重幸福的同时，以行业领先的减变速机应用技术，驱动全球工业革新为使命，建设觉悟型组织，成为服务全球的幸福企业为愿景。

公司技术力量雄厚，现有员工420余人，其中工程技术人员40多名，和各种先进的加工制造和检测设备，依托省级工程技术研究中心、减速机产品试验室和现代化研发和生产基地，为高端减变速机产品的行业应用开发和服务提供了良好的发展基础。

公司主导产品有：NCJ系列齿轮减速机、R/S/K/F系列高精度齿轮减速机、RV系列蜗杆减速器、SNKG系列齿轮减速机、JWB-X系列机械无级变速器、B/JXJ系列摆线针轮减速机、SCK系列准双曲面齿轮减速机等七大系列产品可供选用，广泛服务于陶瓷、纺织、玻璃、木工、高压开关、食品饮料、包装印刷、仓储物流、起重运输等装备制造和应用行业，专为中高端用户提供专业的产品和服务。产品畅销国内，远销欧美、中东、东南亚等20多个国家和地区。

在未来的发展中，星光传动聚焦客户需求，提供有竞争力的传动解决方案，持续为客户创造价值，打造高端制造业和终端用户“替代进口、升级换代”的首选品牌！

动静之间，唯简不凡；携手同行，星光灿烂！

Guangdong Starshine Drive Co.,Ltd the predecessor was a state-owned military mould enterprise which established in 1965. While pursuing the spiritual and material happiness of all employees, With the Mission" with industry-leading reduction and transmission technology to drive industrial renewal" and Vision" Build a conscious organization, become a happy enterprise serving the world".

Starshine has a strong technical force with over 400 employees at present, including over 40 engineering technicians, and kinds of advanced processing machines and testing equipment. Thanks to the Provincial Engineering Technology Research Center, the speed reducer product laboratory, the modern R&D and production base, that make Starshine has a good foundation to develop and service for high-end speed reducers.

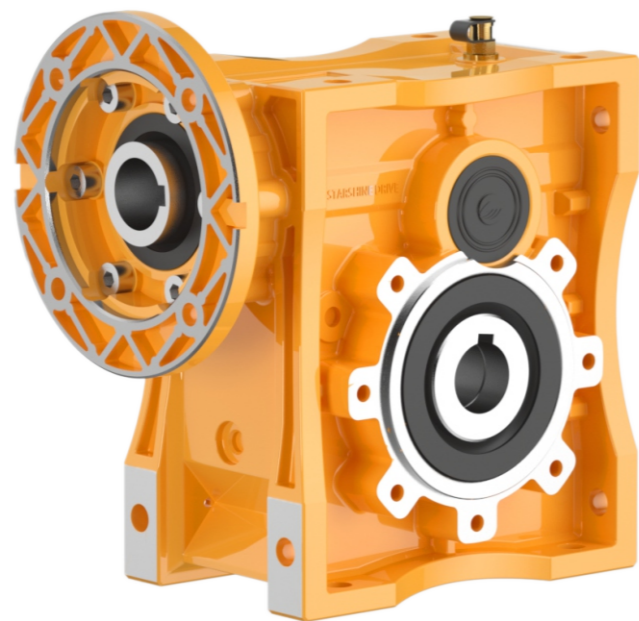
Our main products include: helical geared motor, worm gearboxes, planetary gearboxes, speed variators, cycloidal gearboxes, helical-hypoid gearboxes, which widely used in ceramic industry, glass industry, woodworking machinery, high voltage switch, food & beverage, packaging & printing, Storage & logistics, hoisting & transportation facilities...etc, Starshine technically provide the professional product & service for the medium and high-end customers, and our gearboxes are best-selling in both domestic and abroad market, such as Europe, North America, South America, Middle East, South Asia, Southeast Asia, Africa...etc more than 20 countries and regions.

In future, Starshine will hold the business creed of "serving customer, diligence & simplicity, self-criticism, innovation, honesty, teamwork", and take "authenticity, altruism, openness, innovation, responsibility, collaboration" as core values. Focus on customers' requirements and provide them the competitive transmission solution and create value for them constantly, and create a preferred brand of replacing import products and upgrading continuously for the end users.

Between Dynamic and Static, Simple is Extraordinary, let's go forward hand in hand and make a brilliant future!

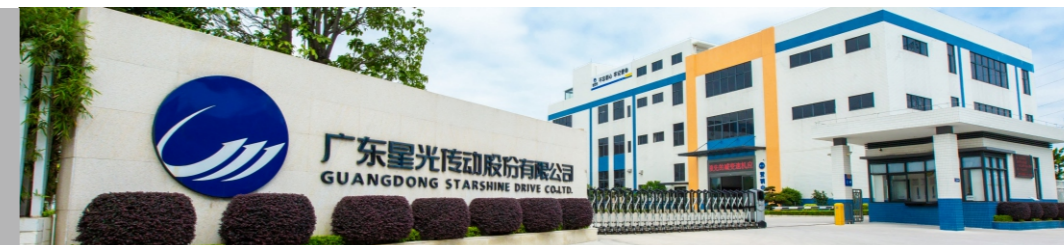
SCK系列准双曲面减速器

SCK SERIES HELICAL-HYPOID GEAR UNITS



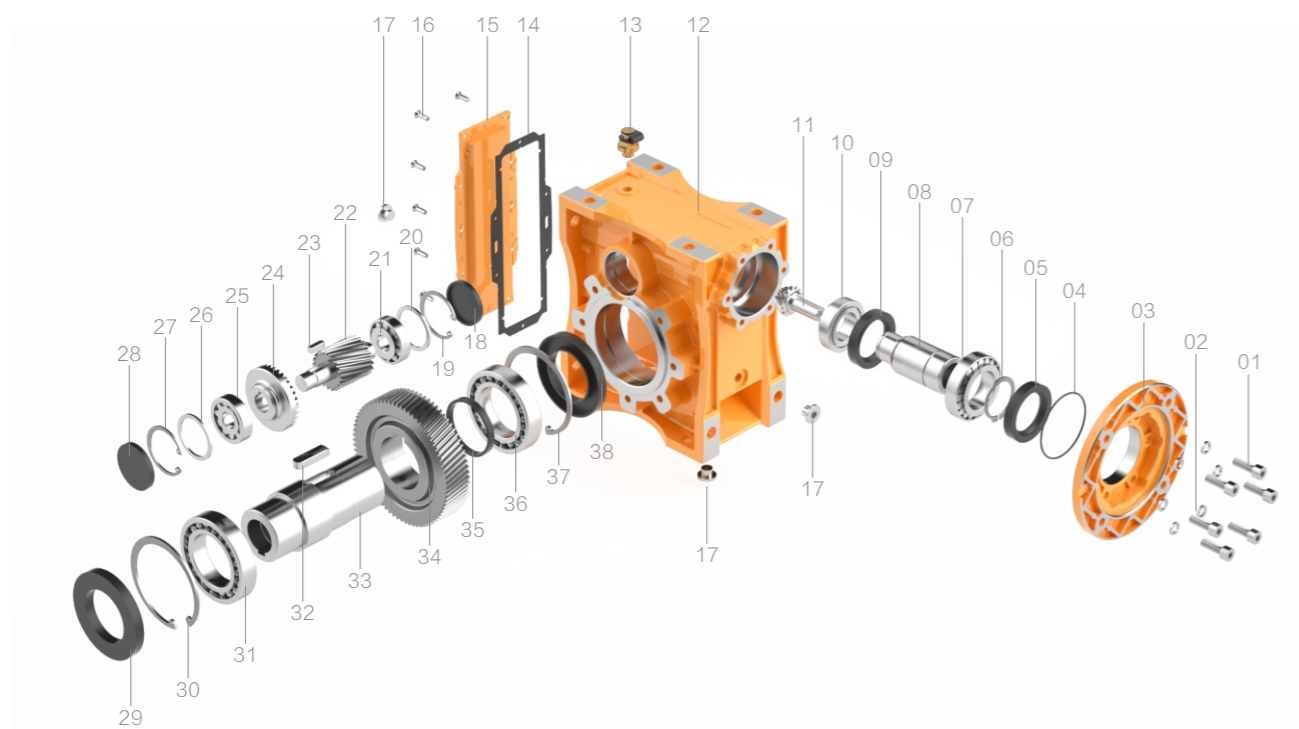
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零件爆炸图及名称 Exploded view & name of parts



1、内六角螺钉 / Inner hex screw	14、橡胶密封垫 / Rubber gasket	27、孔用挡圈 / Hole-circlip
2、弹性垫圈/Spring washer	15、齿轮箱盖板 / Gearcase cover	28、闷盖/Blank cap
3、输入法兰 / Input flange	16、内六角沉头螺钉 / Hexagon countersunk screw	29、油封 / Oil seal
4、O型圈 / O-rings	17、油塞 / Oil plug	30、孔用挡圈 / Hole-circlip
5、油封 / Oil seal	18、闷盖/Blank cap	31、轴承 / Anti-friction bearing
6、轴用挡圈 / Shaft circlip	19、孔用挡圈 / Hole-circlip	32、平键 / Key
7、轴承 / Anti-friction bearing	20、调整垫片 / Shim ring	33、输出轴 / Hollow shaft
8、孔入轴 / Hole entry shaft	21、轴承 / Anti-friction bearing	34、从动齿轮/Follow gear
9、油封 / Oil seal	22、主动齿轴/Driving gear shaft	35、隔套 / Spacer sleeve
10、轴承 / Anti-friction bearing	23、平键 / Key	36、轴承 / Anti-friction bearing
11、伞齿轴 / Taper tooth shaft	24、伞齿轮 / Bevel gear	37、孔用挡圈 / Hole-circlip
12、齿轮箱体 / Gearcase	25、轴承 / Anti-friction bearing	38、油封 / Oil seal
13、透气帽 / Breathable cap	26、调整垫片 / Shim ring	

产品特点 Products characteristics

SCK系列斜齿-准双曲面齿轮减速器是我公司自主研发的新一代实用性产品。融合了国内外先进技术，具有以下一些主要特点：

SCK series helical-hypoid gear units is a new-generation of product developed by our company. With a compromise of advanced technology both at home and abroad, its main features are as follows:

- 1 采用硬齿面准双曲面伞齿轮和斜齿轮传动，传动比大；
Adopt hypoid gear transmission, transmission ratio is large.
- 2 输出扭矩大，传动效率高，节能环保；
Large in output torque, high efficiency, energy saving and environmental protection.
- 3 优质铝合金铸造，重量轻，不生锈；
Made of high-quality aluminum alloy, light in weight and no rusting.
- 4 传动平稳，噪声小，适合在恶劣环境中工作；
Smooth in running and low in noise, can work long time in dreadful conditions.
- 5 美观耐用，体积小；
Good-looking in appearance, durable in service life and small in volume.
- 6 可适应全方位安装，应用广泛、使用方便；
Suitable for all round installation, wide application and easy of use.
- 7 SCK系列减速器安装尺寸与RV系列蜗轮蜗杆减速器完全兼容；
The mounting dimension of SCK series are compatible with RV series worm gear unit.
- 8 模块化组合，可多种形式组合，满足各种传动条件的需求；
Modular combination, can be combined in various forms, to meet the needs of various transmission conditions.

主要材料 Main materials

1. 外壳: 铝合金(机座: 50-90);
2. 齿轮: 20CrMnTi, 渗碳淬火, 齿面硬度58-62 HRC, 精磨后保持渗碳层厚度0.25-0.5mm;

1. Housing: die-cast aluminum alloy (frame size: 50 to 90).
2. gear wheel: 20CrMnTi, carbonize & quencher heat treatment make the hardness of gear's surface up to 58~62 HRC. retain carburization layer's thickness between 0.25 and 0.5mm after precise grinding.

表面涂装 Surface painting

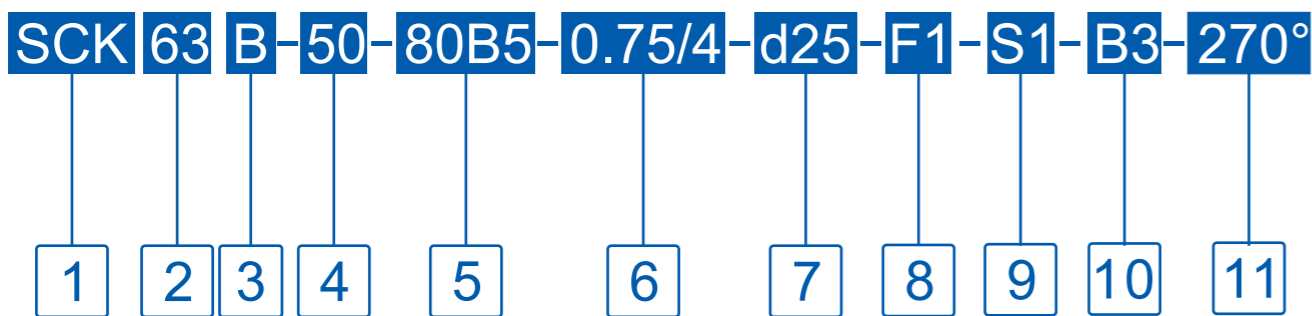
铝合金外壳:

1. 先抛丸处理, 再经特种防腐处理, 保持银白金属感, 并耐汽油, 二甲苯等有机溶剂的腐蚀;
2. 磷化处理后, 再喷RAL7004银灰色涂料。

Aluminum alloy housing:

1. Shot blasting and special antiseptic treatment on the aluminum alloy surface.
2. After phosphating, spray the paint RAL7004 in silver white.

型号表示 Model representation



1	减速器系列代号:SCK Code for gear units series: SCK
2	减速器规格代号:50、63、75、90 Specification code of gear units 50、63、75、90
3	B:表示2级传动. C:表示3级传动 Motor Power B: Means 2 stages C: Means 3 stages
4	减速器速比i Speed ratio of reducer i
5	输入法兰 Input flange
6	电机功率/电机极数, 无代号表示无电机 Motor power or number of poles, no code-without motor
7	输出孔径/轴径 Output hole diameter/output shaft diameter
8	安装形式: 默认无代号为底脚安装, 法兰安装F1/F2 Mounting: no code-foot mounted F1/F2-flange mounted
9	输出轴: 默认无代号为空心轴, S1/S2/S3 Output shaft :no code-hollow shaft ,S1/S2/S3
10	安装位置: B3、B6、B7、B8、V5、V6, 默认B3可不写 Mounting position: B3(omitted)、B6、B7、B8、V5、V6
11	接线盒角度: 0°、90°、180°、270°, 默认90°可不写 Thermal box position :90° (omitted) 、90°、180°、270°

示例 Example:

SCK63C-200-80B5-d25

SCK75B-60-90B14-1.1/4-d28-F1-B6-270°

选型相关参数 RELEVANT PARAMETER

1. 功率 Power P

$$P_1 = \frac{P_2}{\eta} [KW]$$

$$P_{1n} \geq P_1 \cdot f_s [KW]$$

P ₁ 输入功率 P ₁ Input power	P _{1n} 电机额定功率 P _{1n} Rated power driving motor	η 传动效率 η Transmission efficiency
P ₂ 输出功率 P ₂ Output power	f _s 使用系数 f _s Service factor	

SCK系列减速器的效率是根据传动级数确定, 2级传动效率η≥92%, 3级传动效率η≥90%。
The efficiency of SCK gear units varies with the number of gear stages, between 92 %(2. stage)、90%(3-stage).

2. 转速 Rotation speed η

n ₁ 减速器输入转速 n ₁ Gear units input speed	n ₂ 减速器输出转速 n ₂ Gear units output speed
---	--

若是齿轮箱外部传动装置驱动, 为了优化工作条件和提高使用寿命, 建议使用1400r/min或更低转速。允许输入较高的输入转速, 但在这种情况下, 额定扭矩M₂会下降。
If driven by the external gearing, 1400r/min or lower rotation speed suggested so as to optimize the working conditions and prolong the service life .Higher input rotation speed is permitted, but in this situation, the rated torque M₂ will be reduced.

3. 传动比 Transmission ratio i

$$i = \frac{n_1}{n_2}$$

传动比通常为小数, 在选型表中保留两位小数。
Usually transmission ratio is decimal fraction with 2 radix point tagged in selection tables.

4. 扭矩 Torque M

$$M_2 = \frac{9550 \cdot P_1 \cdot \eta}{n_2} [Nm]$$

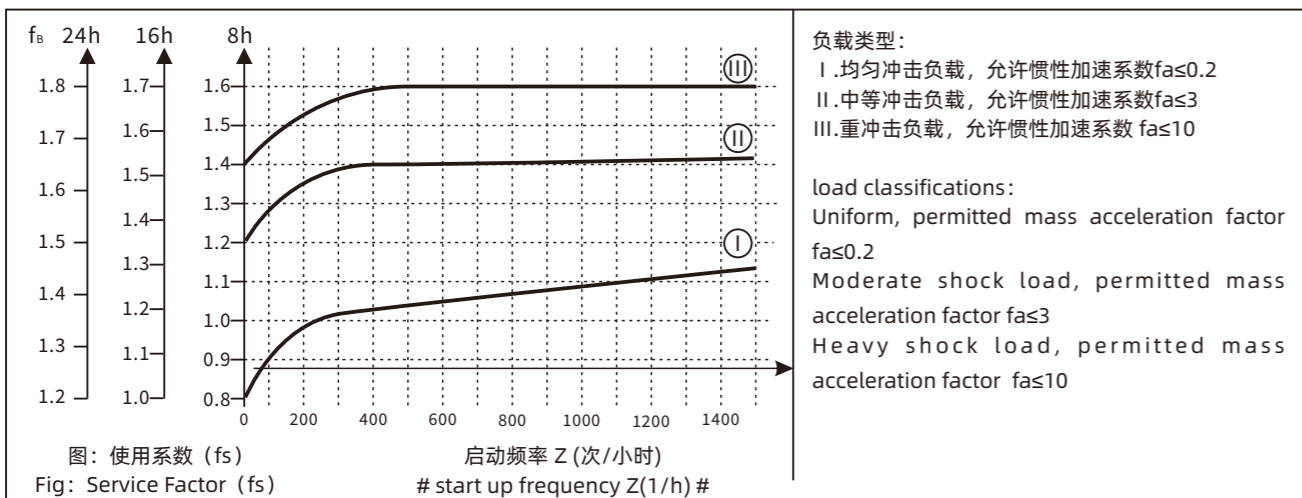
$$M_{2n} \geq M_2 \cdot f_s [Nm]$$

M ₂ 输出扭矩 M ₂ Output torque	P ₁ 输入功率 P ₁ Input power	f _s 使用系数 f _s Service factor
M _{2n} 选用输出扭矩 M _{2n} Selected output torque	η 传动效率 η Transmission efficiency	

使用系数 Service factor

使用减速器时, 应考虑一定的使用系数 f_s , 它是根据每天的运转时间和启停频率Z确定的。根据惯性加速系数确定三种负载类型, 在下图中可以读取实际应用的使用系数、按下图选取的使用系数必须小于或等于从性能参数表中提供的使用系数。

The effect of the driven machine on the gear unit is taken into account to a sufficient level of accuracy using the service factor f_s . The service factor is determined according to the daily operating time and the starting frequency Z. Three load classifications are reconsidered depending on the mass acceleration factor. You can read off the service factor applicable to your application in following Figure. The service factor selected using this diagram must be less than or equal to the service factor as given in the performance parameter table.



启动频率Z: 周期包括所有启动、制动的次数以及变速电机高低速变化时的次数。
 # starting frequency Z: The cycles include all starting and braking procedures as well as change overs from low to high speed.

负载类型:

轻负载的螺杆输送, 风扇, 装备线, 输送带, 小型搅拌器、电梯、清洗机器, 过滤器、控制驱动。
 卷扬机, 木工机器进料器, 货物起重机, 平衡器, 绞螺纹机器, 中型搅拌器, 重型输送带, 绞盘, 滑动闸门, 刮料机, 包装机械, 混凝土搅拌机, 行车驱动装置, 铣床, 齿轮泵。
 大型搅拌机, 煎床, 压机, 离心机, 旋转支撑装置, 重型绞盘和起重机, 磨床, 石材打磨机, 翻斗机。
 钻床, 冲床, 凸轴压机, 播床, 机床转盘, 翻桶装置, 振荡装置, 破碎机。

Load classifications:

Screw feeders for light materials, fans, assembly lines, conveyor belts for light materials, small mixers lifts, cleaning machines, fillers, control machines.
 Winding devices, woodworking machine feeders goods lifts, balancers, threading machines, medium mixers, conveyor belts for heavy materials, winches sliding doors, fertilizer scrapers, packing machines concrete mixers, crane mechanisms, milling cutters folding machines, gear pumps.
 Mixers for heavy materials, shears, presses centrifuges, rotating supports, winches and lifts for heavy materials, grinding lathes, stone mills, bucket elevators, drilling machines, hammer mills, cam presses, folding machines, turntables, tumbling barrels vibrators, shredders.

负载类型:
 I. 均匀冲击负载, 允许惯性加速系数 $f_a \leq 0.2$
 II. 中等冲击负载, 允许惯性加速系数 $f_a \leq 3$
 III. 重冲击负载, 允许惯性加速系数 $f_a \leq 10$

load classifications:
 Uniform, permitted mass acceleration factor $f_a \leq 0.2$
 Moderate shock load, permitted mass acceleration factor $f_a \leq 3$
 Heavy shock load, permitted mass acceleration factor $f_a \leq 10$

1. 惯性加速系数 Mass acceleration factor

惯性加速系数计算如下:

The mass acceleration factor is calculated as follows:

$$f_a = \frac{J_c}{J_m}$$

f_a 惯性加速系数

f_a Mass acceleration factor

J_c 所有外部传动惯量 (kgm^2)

J_c All external mass moments of inertia (kgm^2)

J_m 驱动电机的传动惯量 (kgm^2)

J_m Mass moment of inertia on the motor end (kgm^2)

如果惯性加速系数 $f_a > 10$, 请与我们技术部联系。

If mass acceleration factors $f_a > 10$, please call our Technical Service.

为了保持减速器的使用寿命, 从产品样本中的性能参数表所选择的使用系数 f_s 应等于或略高于计算出的使用系数 f_s 。

To keep the service-life of gear units, the use factor f_s selected from the catalogue must be equal or slightly higher than the calculated use factor f_s .

2. 径向载荷和轴向载荷

在确定影响径向载荷时, 必须考虑安装在轴端上的传动件类型。不同类型的传动件的传动附加系数 f_z 列表如下:

When determining the resulting radial loads, the type of transmission elements, mounted on the shaft end must be considered. Various transmission elements are corresponding with following transmission element factors f_z :

传动件 Transmission element	传动附加系数 F_z Transmission element factor F_z	注释 Comments
齿轮 Gears	1.15	< 17齿 teeth
链轮 Chain sprockets	1.25	< 20齿 teeth
	1.40	< 13齿 teeth
V带轮 Narrow V-belt pulleys	1.75	有预紧力作用 Influence of the tensile force
平带轮 Flat belt pulleys	2.50	有预紧力作用 Influence of the tensile force
齿带轮 Toothed belt pulleys	2.50	有预紧力作用 Influence of the tensile force

作用在电机和齿轮轴上的径向载荷按如下公式计算:

The overhung loads exerted on the motor or gear shaft is then calculated as follows:

$$F_r = \frac{M \cdot 2000 \cdot f_z}{d_0} [N]$$

F_r 作用在轴上的载荷 [N]

F_r Resulting radial load [N]

M 作用在轴上的扭矩 [Nm]

M Torque on the shaft [Nm]

d_0 安装在轴上传动件的平均直径 [mm]

d_0 Mean diameter of the mounted trans element in [mm]

f_z 传动附加系数

f_z Transmission element factor

许用径向载荷是根据轴承额定使用寿命 L_{10h} 来估算的(根据ISO281)。对于特殊的运行条件,许用径向载荷是根据修正使用寿命 L_{na} 来确定。
The basis for determining the permitted radial loads is the computation of the rated service life L_{10h} of the bearings (according to ISO281). For special operating conditions, the permitted radial loads can be determined with regard to the modified service life L_{na} .

当作用点偏离出轴中点时,许用径向载荷须按以下公式来计算,取在x点的许可数值 F_{xL} (根据轴承的使用寿命)
The permitted radial loads given in the selection tables must be calculated using the following formula in the event of force application not in the center of the shaft end. The smaller of the two values F_{xL} (according to bearing service life)

根据轴承的使用寿命公式:

$$F_{xL} = F_r \cdot 1,2 \cdot \frac{a}{b+x} [N]$$

F_{r1}, F_{r2} =性能参数表中的许用径向载荷($x=L/2$)[N]

F_{r1}, F_{r2} =Permitted overhung load($x= L/2$) for foot-mounted gear units according to the selection tables in [N]

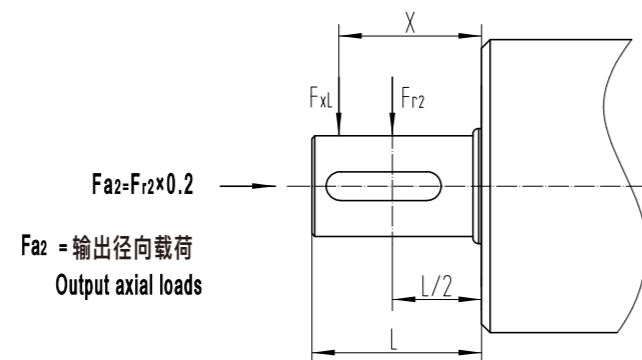
X =从轴肩到受力点的距离[mm]

X =Distance from the shaft shoulder to the force application point in [mm]

a, b =减速器径向转化常量[mm]

a, b =Gear unit constant for overhung load conversion [mm]

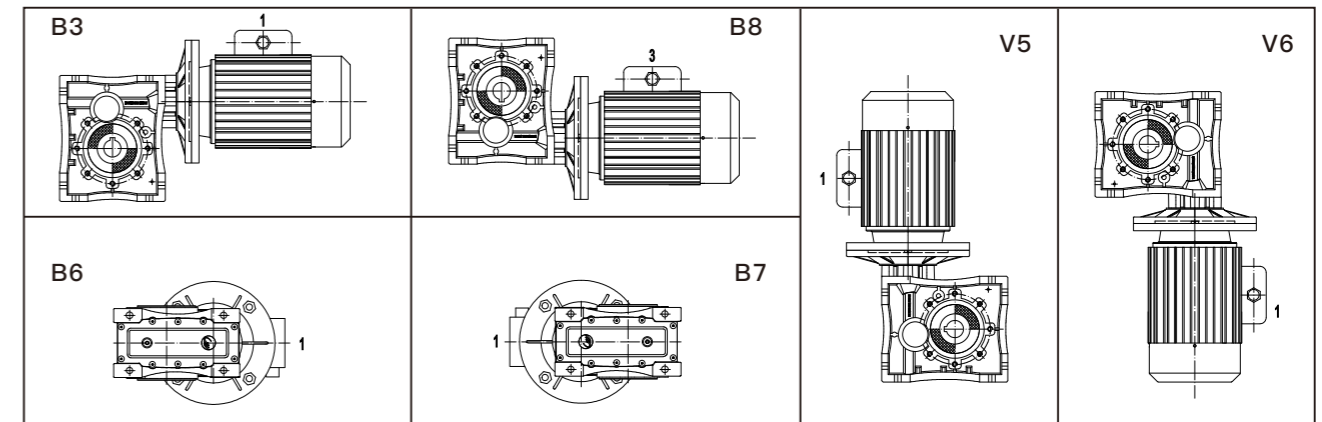
3. 输出轴径向载荷 Output shafts radial loads



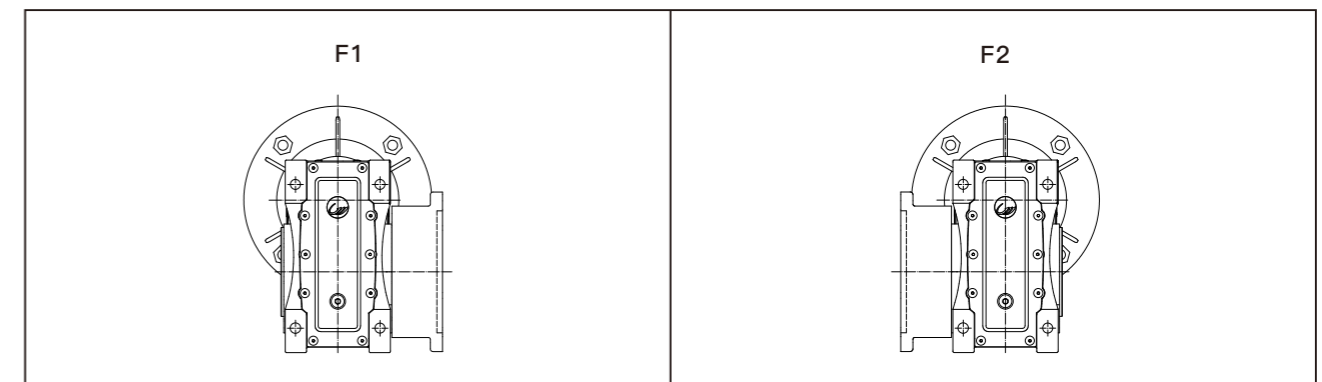
4. SCK减速器径向转化常量 Gear unit constants for overhung load conversion:

	SCK50	SCK63	SCK75	SCK90
a	104	118	131	159
b	78	93	101	119

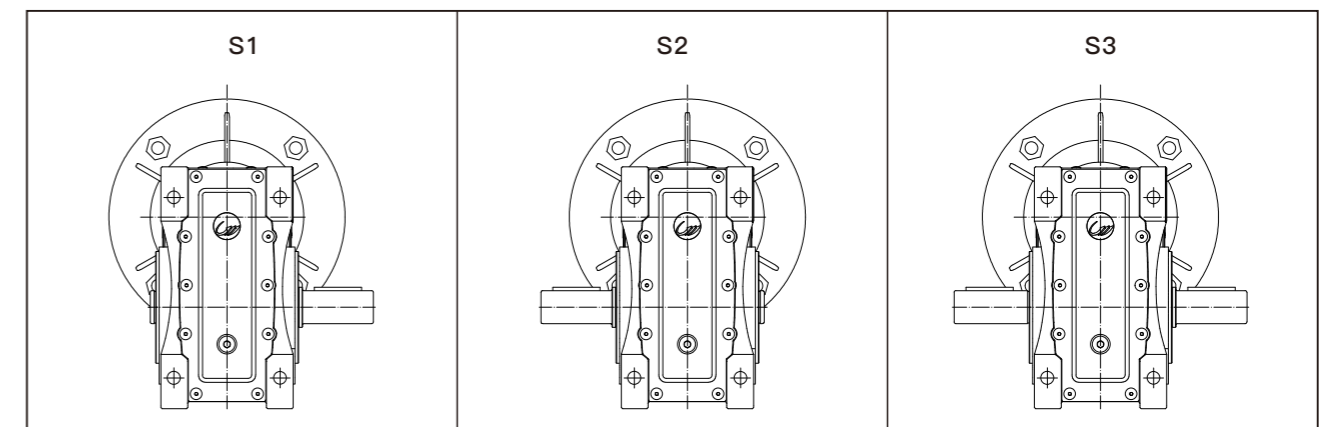
安装位置 Mounting position



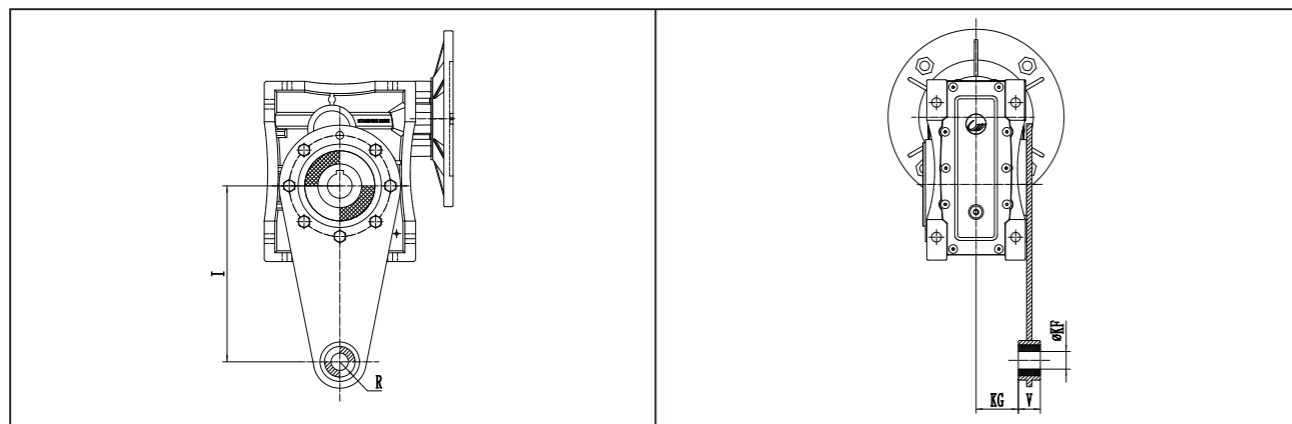
输出法兰安装位置表 Output flange installations



输出轴配置表 Position of output shaft

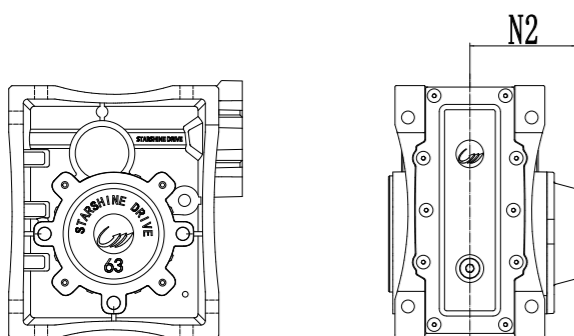


● 扭力臂配置 Torque arm mounting position



型号	SCK50	SCK63	SCK75	SCK90
I	100	150	200	200
R	18	18	30	30
V	14	14	25	25
KF	10	10	20	20
KG	38.5	49	47.5	57.5

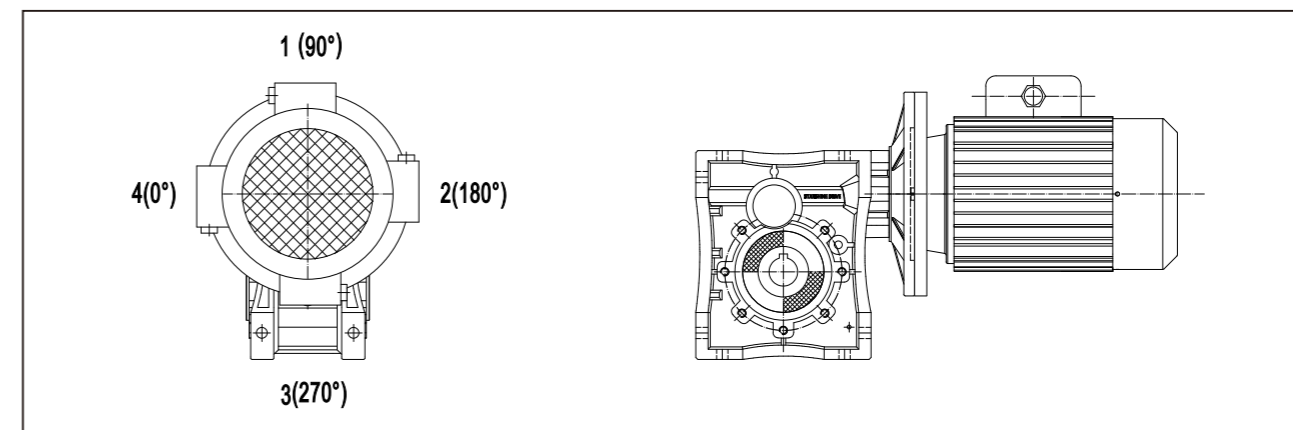
● 防尘盖 Cover



型号	N2
SCK50	62
SCK63	73
SCK75	79
SCK90	91

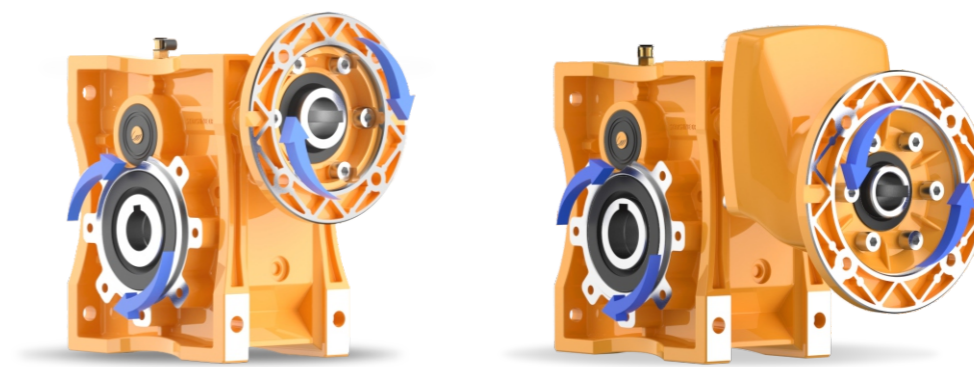
● 电机接线盒位置 Motor thermal box position

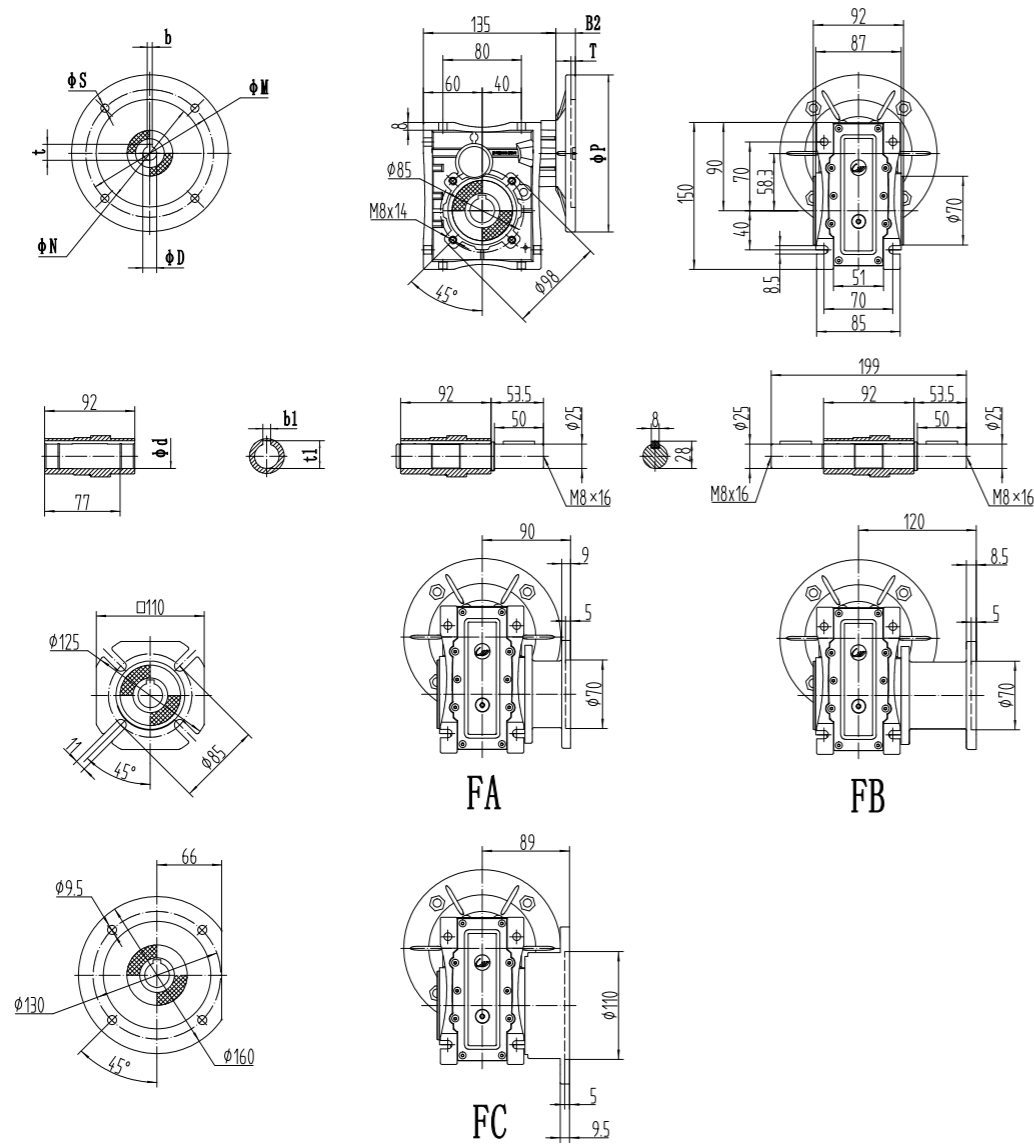
从电机风扇罩向输出端看
Viewed output shaft from fan cowl of motor



● 旋转方向 Direction of rotation

减速机在使用时，电机可正反转输入使用，推荐使用图示输入轴旋转方向为准双曲面齿轮最佳啮合方向。
The motor can be run either CW or CCW while using with gearbox, Graphic direction is recommended.

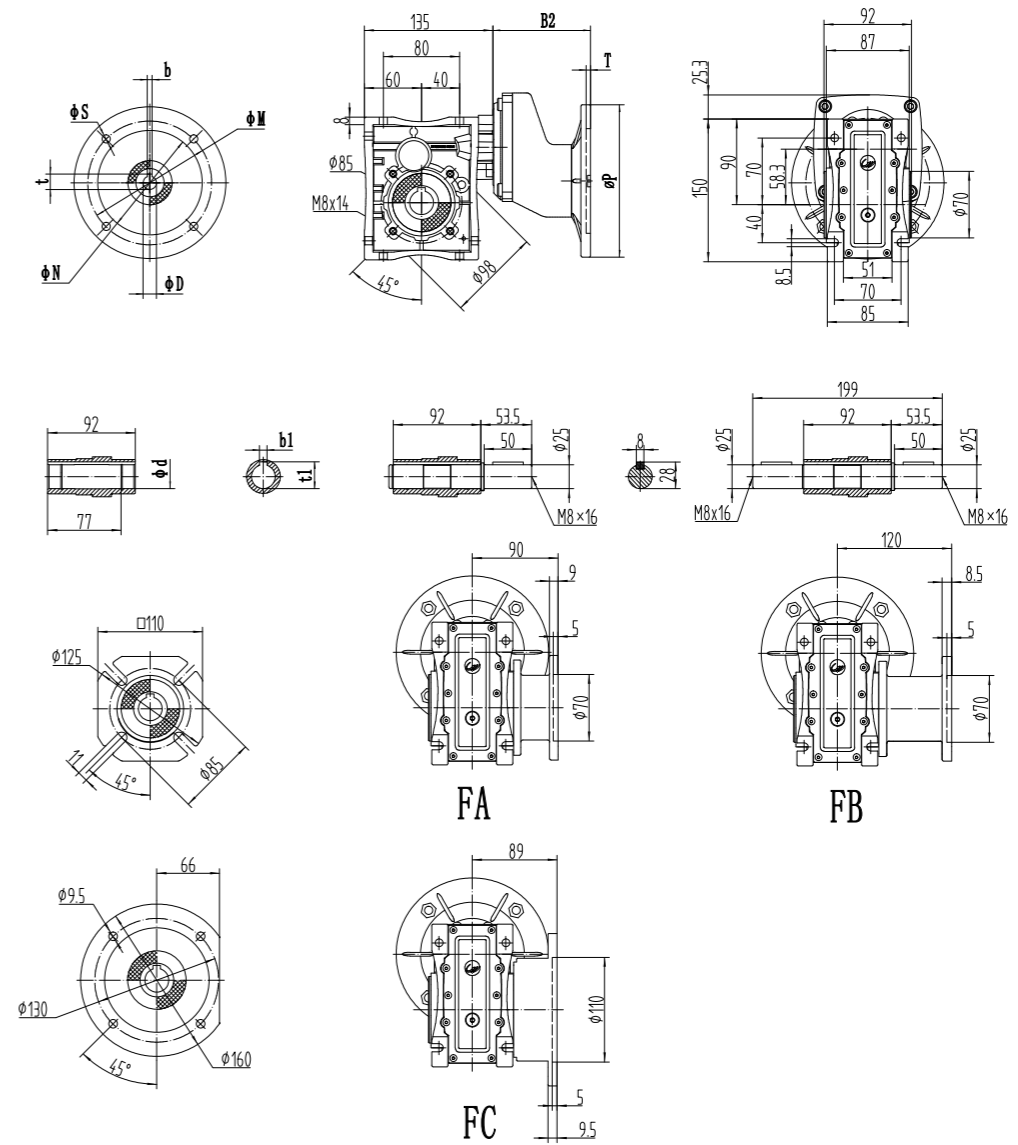


产品安装尺寸 Product installation dimensions
SCK50B


IEC	D	b	t	P	M	N	S	T	B2
63B5	11	4	12.8	140	115	95	9	4	19
71B5	14	5	16.3	160	130	110	9	4.5	19
71B14	14	5	16.3	105	85	70	7	4	19
80B5	19	6	21.8	200	165	130	11	4.5	19
80B14	19	6	21.8	120	100	80	7	4	19

d	b1	t1
20*	6	22.8
24*	8	27.3
25	8	28.3

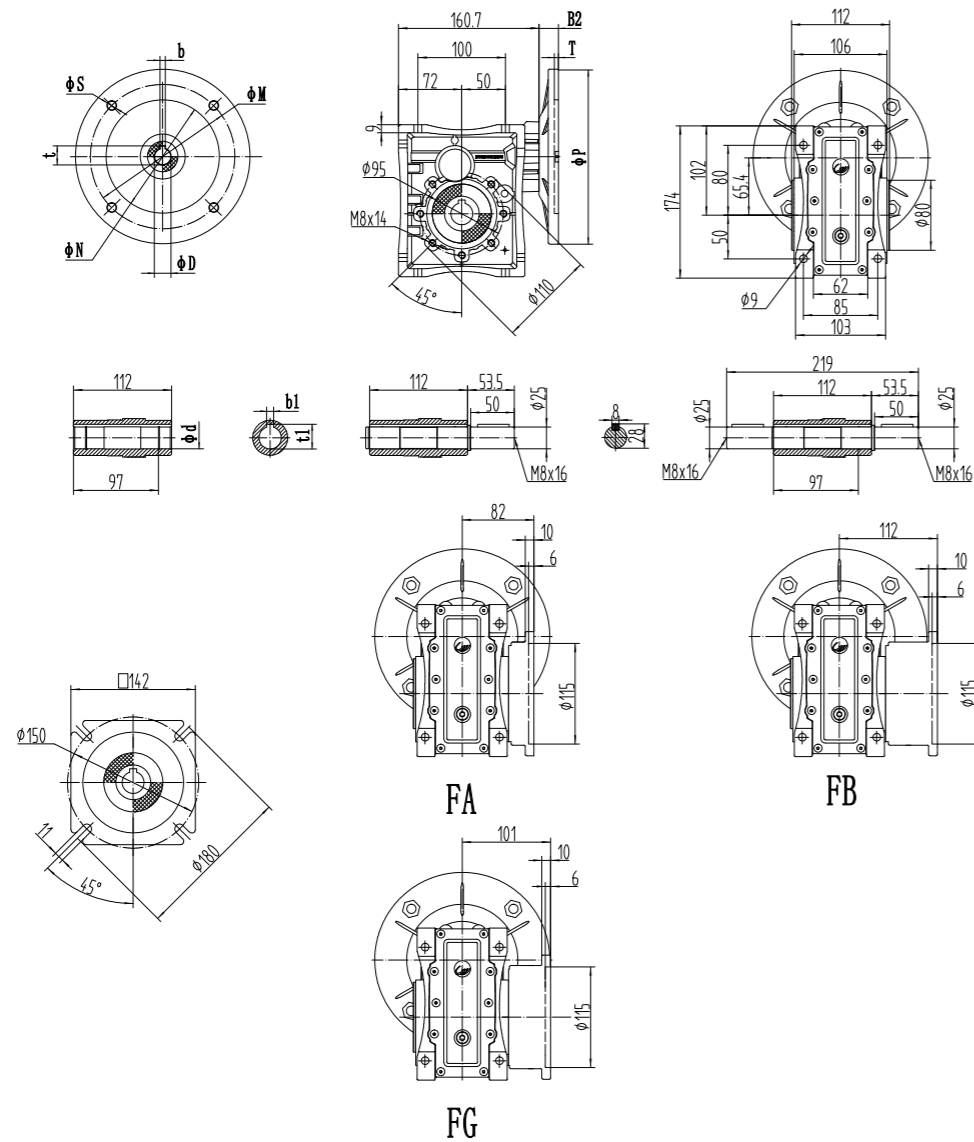
*非标产品，订单时请说明
 *Only on request

SCK50C


IEC	D	b	t	P	M	N	S	T	B2
63B5	11	4	12.8	140	115	95	9	4	101.4
71B5	14	5	16.3	160	130	110	9	4.5	101.4
71B14	14	5	16.3	105	85	70	7	4	101.4

d	b1	t1
20*	6	22.8
24*	8	27.3
25	8	28.3

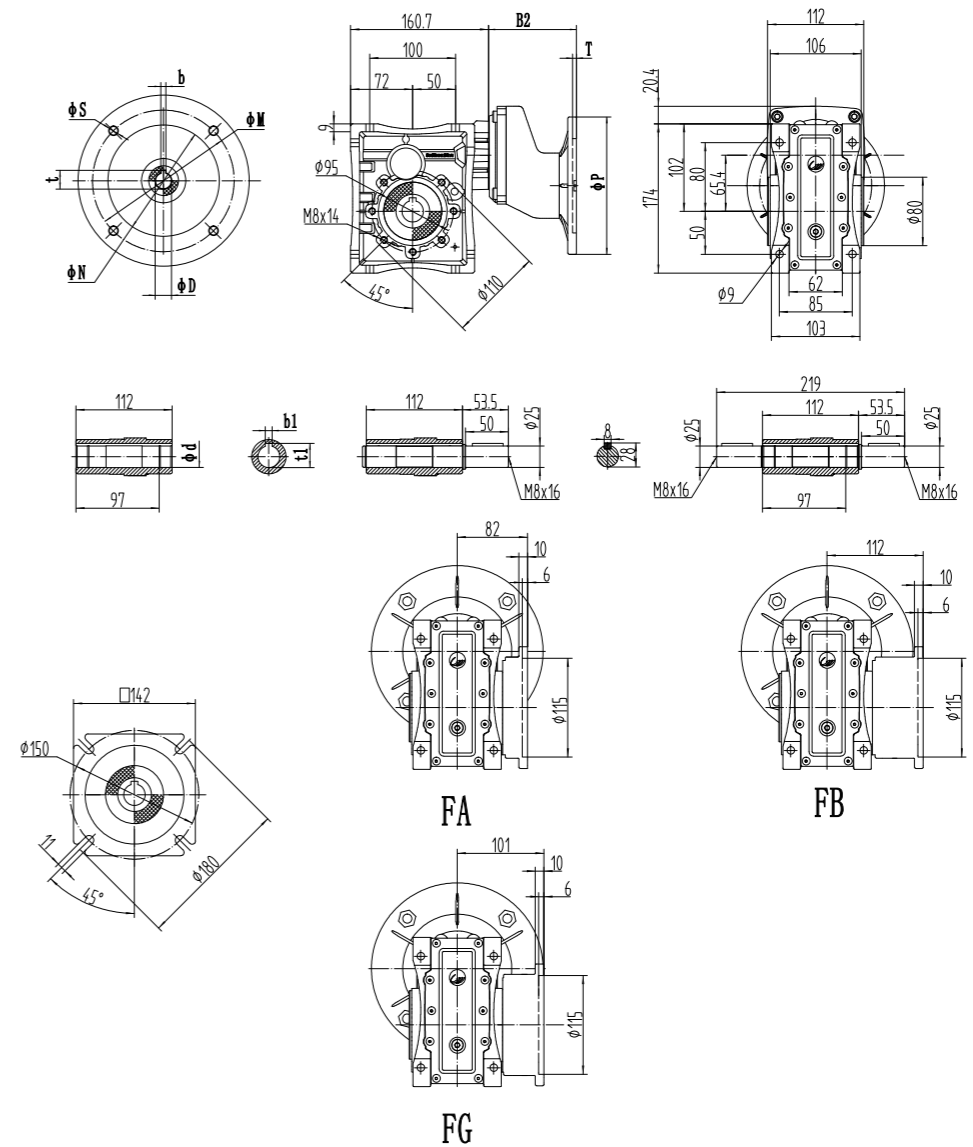
*非标产品，订单时请说明
 *Only on request

SCK63B


IEC	D	b	t	P	M	N	S	T	B2
71B5	14	5	16.3	160	130	110	9	4.5	22
71B14	14	5	16.3	105	85	70	7	4	22
80B5	19	6	21.8	200	165	130	11	4.5	22
80B14	19	6	21.8	120	100	80	7	4	22
90B5	24	8	27.3	200	165	130	11	4.5	22
90B14	24	8	27.3	140	115	95	9	4.5	22

d	b1	t1
25	8	28.3
28*	8	31.3

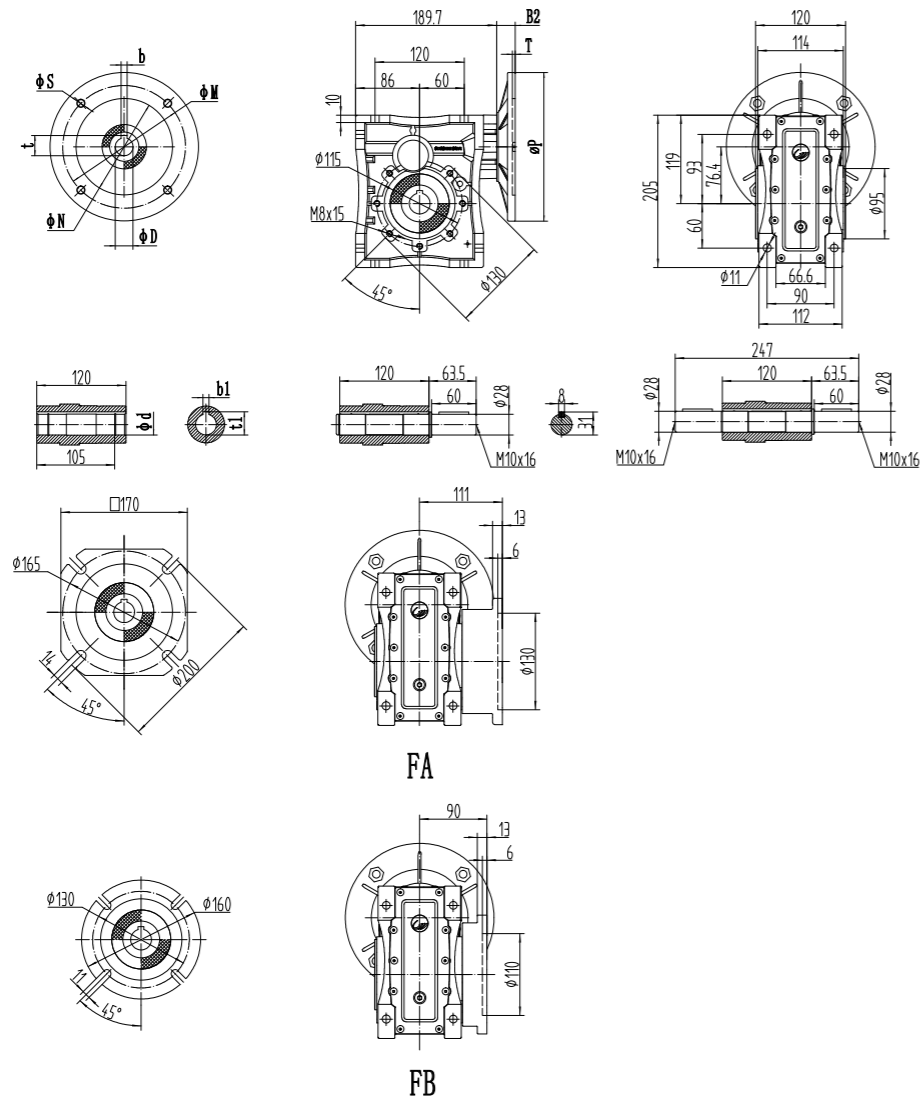
*非标产品, 订单时请说明
 *Only on request

SCK63C


IEC	D	b	t	P	M	N	S	T	B2
63B5	11	4	12.8	140	115	95	9	4.5	104.4
71B5	14	5	16.3	160	130	110	9	4.5	104.4
71B14	14	5	16.3	105	85	70	7	4	104.4
80B5	19	6	21.8	200	165	130	11	4.5	104.4
80B14	19	6	21.8	120	100	80	7	4	104.4

d	b1	t1
25	8	28.3
28*	8	31.3

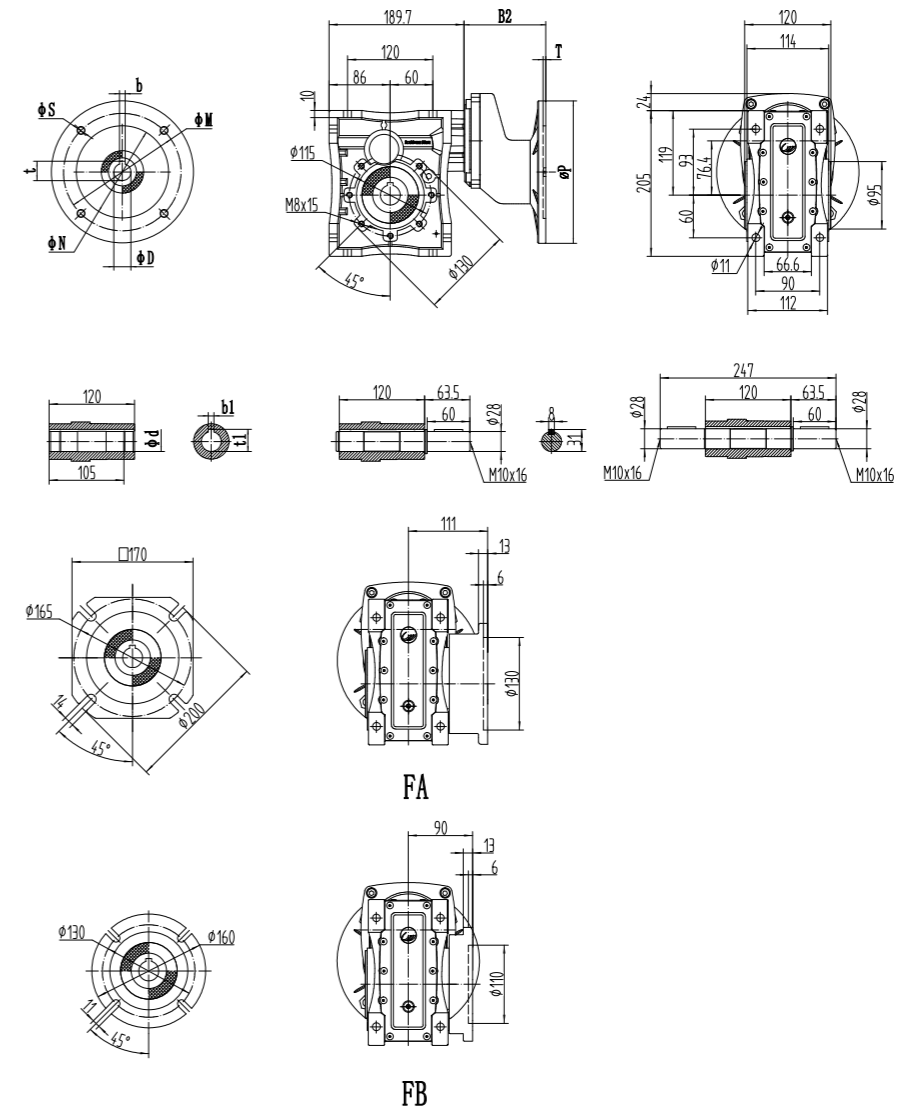
*非标产品, 订单时请说明
 *Only on request

SCK75B


IEC	D	b	t	P	M	N	S	T	B2
71B5	14	5	16.3	160	130	110	9	4.5	25.5
80B5	19	6	21.8	200	165	130	11	4.5	25.5
80B14	19	6	21.8	120	100	80	7	4	24.5
90B5	24	8	27.3	200	165	130	11	4.5	25.5
90B14	24	8	27.3	140	115	95	9	4.5	25.5
100/112B5	28	8	31.3	250	215	180	13.5	5	35
100/112B14	28	8	31.3	160	130	110	9	4.5	35

d	b1	t1
28	8	31.3
30*	8	33.3
35*	10	38.3

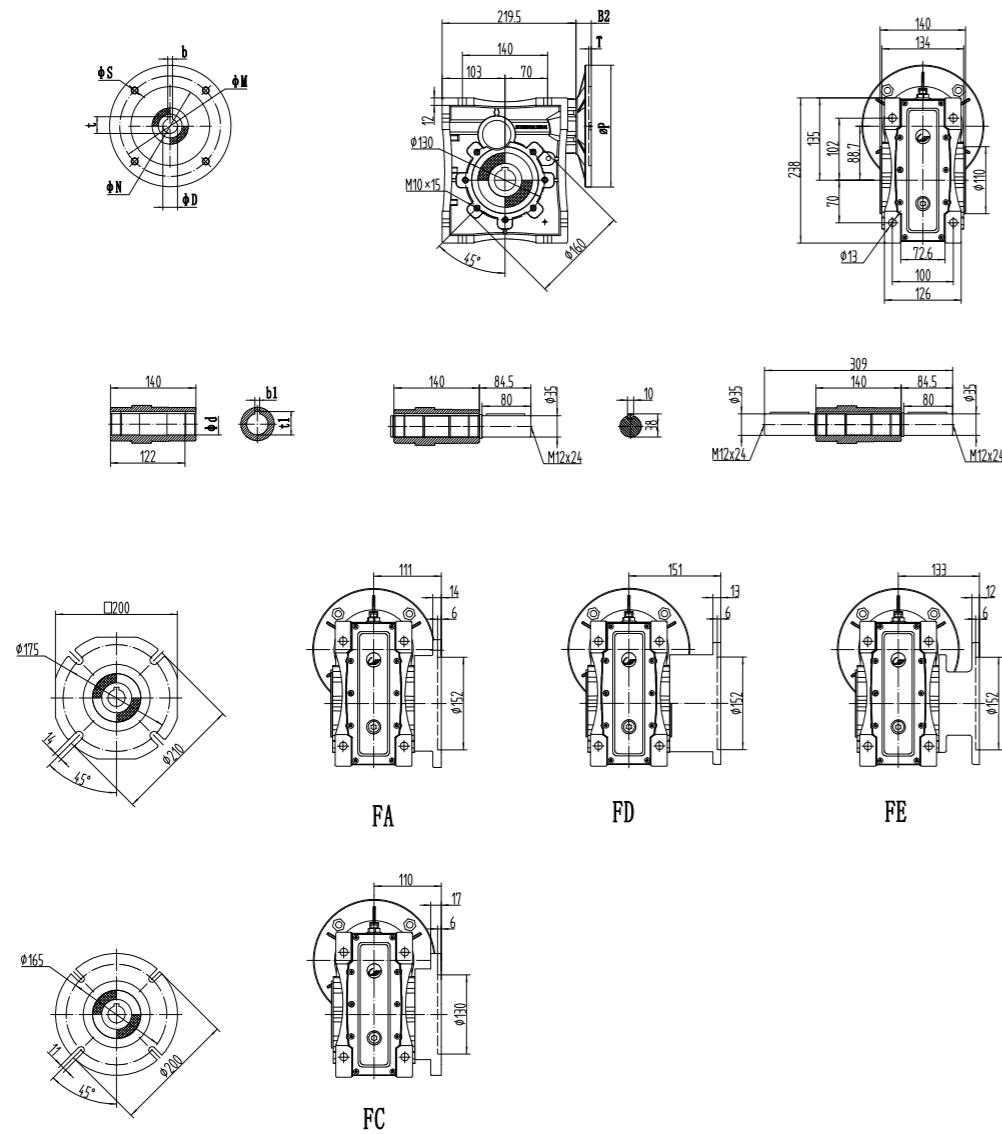
*非标产品, 订单时请说明
 *Only on request

SCK75C


IEC	D	b	t	P	M	N	S	T	B2
63B5	11	4	12.8	140	115	95	9	4.5	118.5
71B5	14	5	16.3	160	130	110	9	4.5	118.5
80B5	19	6	21.8	200	165	130	11	4.5	118.5
80B14	19	6	21.8	120	100	80	7	4	117.5
90B5	24	8	27.3	200	165	130	11	4.5	118.5
90B14	24	8	27.3	140	115	95	9	4.5	118.5

d	b1	t1
28	8	31.3
30*	8	33.3
35*	10	38.3

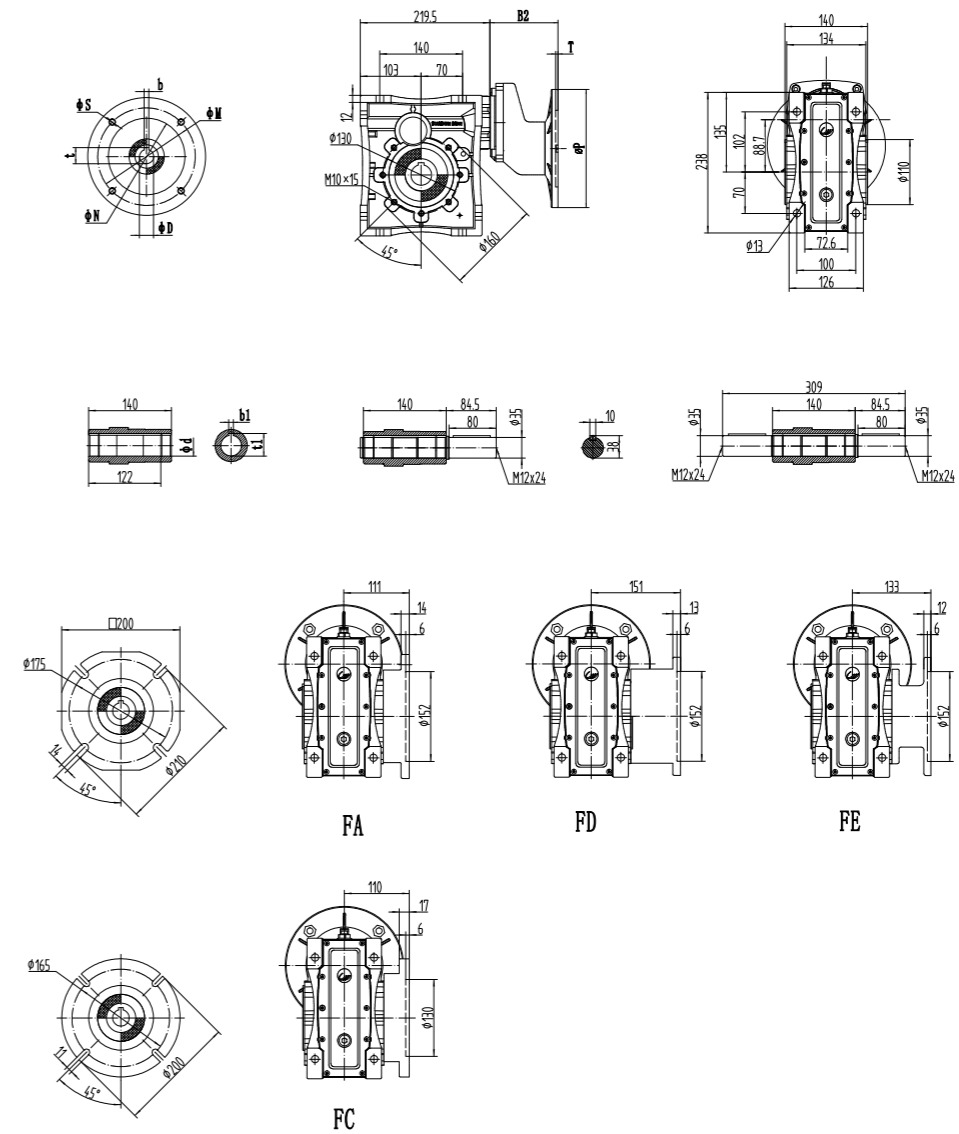
*非标产品, 订单时请说明
 *Only on request

SCK90B


IEC	D	b	t	P	M	N	S	T	B2
71B5	14	5	16.3	160	130	110	9	4.5	25.5
80B5	19	6	21.8	200	165	130	11	4.5	25.5
80B14	19	6	21.8	120	100	80	7	4	24.5
90B5	24	8	27.3	200	165	130	11	4.5	25.5
90B14	24	8	27.3	140	115	95	9	4.5	25.5
100/112B5	28	8	31.3	250	215	180	13.5	5	35
100/112B14	28	8	31.3	160	130	110	9	4.5	35

d	b1	t1
35	10	38.3
38*	10	41.3

*非标产品, 订单时请说明
 *Only on request

SCK90C


IEC	D	b	t	P	M	N	S	T	B2
63B5	11	4	12.8	140	115	95	9	4.5	118.5
71B5	14	5	16.3	160	130	110	9	4.5	118.5
80B5	19	6	21.8	200	165	130	11	4.5	118.5
80B14	19	6	21.8	120	100	80	7	4	117.5
90B5	24	8	27.3	200	165	130	11	4.5	118.5
90B14	24	8	27.3	140	115	95	9	4.5	118.5

d	b1	t1
35	10	38.3
38*	10	41.3

*非标产品, 订单时请说明
 *Only on request

减速器选型表 Gear unit selection tables
SCK50.. n1=1400r/min 130N.m

减速机型号 Gear Model	I 公称 Nominal	I 实际 Actual	n ₂ [r/min]	M _{2max} [N.m]	F _{r2} [N]	63B5	71B5 71B14	80B5 80B14
3级/3 Stage								
SCK50C	300	298.57	4.7	130	4100			
SCK50C	265	262.61	5.3	130	4100			
SCK50C	250	247.99	5.6	130	4100			
SCK50C	220	219.86	6.4	130	4100			
SCK50C	200	200.44	7	130	4100			
SCK50C	180	182.29	7.7	130	4100			
SCK50C	150	148.89	9.4	130	4000			
SCK50C	135	132.00	10.6	130	3890			
SCK50C	125	124.29	11.3	130	3770			
SCK50C	110	108.31	12.9	130	3640			
SCK50C	100	101.04	13.9	100	3560			
SCK50C	90	92.89	15.1	100	3440			
SCK50C	75	77.15	18.1	80	3220			
SCK50C	70	74.62	18.8	80	3110			
2级/2 Stage								
SCK50B	60	59.71	24	130	2960			
SCK50B	50	49.60	29	130	2790			
SCK50B	40	40.09	35	130	2610			
SCK50B	30	29.78	48	130	2350			
SCK50B	25	24.07	58	130	2200			
SCK50B	20	20.21	69	100	2080			
SCK50B	15	14.92	94	80	1880			
SCK50B	12.5	12.47	112	130	1770			
SCK50B	10	10.47	134	100	1670			
SCK50B	7.5	7.73	181	80	1510			

SCK63.. n1=1400r/min 200N.m

减速机型号 Gear Model	I 公称 Nominal	I 实际 Actual	n ₂ [r/min]	M _{2max} [N.m]	F _{r2} [N]	63B5	71B5 71B14	80B5 80B14	90B5 90B14
3级/3 Stage									
SCK63C	300	298.57	4.7	200	4800				
SCK63C	265	272.25	5.1	200	4800				
SCK63C	250	242.26	5.8	200	4800				
SCK63C	220	219.21	6.4	200	4800				
SCK63C	200	202.04	6.9	180	4800				
SCK63C	180	185.78	7.5	180	4800				
SCK63C	150	150.74	9.3	200	4650				
SCK63C	135	136.4	10.3	200	4490				
SCK63C	125	125.71	11.1	180	4330				

SCK63.. n1=1400r/min 200N.m

减速机型号 Gear Model	I 公称 Nominal	I 实际 Actual	n ₂ [r/min]	M _{2max} [N.m]	F _{r2} [N]	63B5	71B5 71B14	80B5 80B14	90B5 90B14
3级/3 Stage									
SCK63C	110	110	12.7	180	4180				
SCK63C	100	99.22	14.1	150	4070				
SCK63C	90	96.27	14.5	150	3930				
SCK63C	75	78.11	17.9	110	3650				
SCK63C	70	65.14	21.5	110	3530				
2级/2 Stage									
SCK63B	60	59.71	23	200	3430				
SCK63B	50	48.45	29	200	3190				
SCK63B	40	40.41	36	180	2970				
SCK63B	30	30.15	46	200	2720				
SCK63B	25	25.14	57	180	2530				
SCK63B	20	19.84	69	150	2380				
SCK63B	15	15.13	95	110	2130				
SCK63B	12.5	13.03	110	180	2030				
SCK63B	10	10.28	133	150	1910				
SCK63B	7.5	7.84	184	110	1710				

SCK75.. n1=1400r/min 350N.m

减速机型号 Gear Model	I 公称 Nominal	I 实际 Actual	n ₂ [r/min]	M _{2max} [N.m]	F _{r2} [N]	63B5	71B5	80B5 80B14	90B5 90B14	100B5 100B14	112B5 112B14
3级/3 Stage											
SCK75C	300	297.21	4.7	350	6500						
SCK75C	265	267.49	5.2	350	6500						
SCK75C	250	240.89	5.8	350	6500						
SCK75C	220	216.8	6.5	350	6500						
SCK75C	200	200.66	7	300	6500						
SCK75C	180	180.6	7.8	300	6500						
SCK75C	150	149.32	9.4	350	6360						
SCK75C	135	136.08	10.3	350	6140						
SCK75C	125	121.02	11.6	300	5980						
SCK75C	110	113.36	12.4	300	5770						
SCK75C	100	100.81	13.9	240	5520						
SCK75C	90	92.47	15.1	240	5330						
SCK75C	75	74.94	18.7	200	5040						
SCK75C	70	62.43	22.4	200	4870						
2级/2 Stage											
SCK75B	60	59.44	24	350	4660						
SCK75B	50	48.18	29	350	4340						
SCK75B	40	40.13	35	300	4080						
SCK75B	30	29.86	46	350	3720						

减速器选型表 Gear unit selection tables
SCK75.. n1=1400r/min 350N.m

减速机型号 Gear Model	公称 Nominal	实际 Actual	n ₂ [r/min]	M _{2max} [N.m]	F _{r2} [N]	63B5	71B5	80B5 80B14	90B5 90B14	100B5 100B14	112B5 112B14
SCK75B	25	24.20	56	300	3500						
SCK75B	20	20.16	71	240	3230						
SCK75B	15	14.99	93	200	2950						
SCK75B	12.5	12.49	112	300	2770						
SCK75B	10	9.84	142	240	2550						
SCK75B	7.5	7.48	187	200	2330						

SCK90.. n1=1400r/min 500N.m

减速机型号 Gear Model	公称 Nominal	实际 Actual	n ₂ [r/min]	M _{2max} [N.m]	F _{r2} [N]	63B5	71B5	80B5 80B14	90B5 90B14	100B5 100B14	112B5 112B14
3级/3 Stage											
SCK90C	300	297.21	4.7	500	8300						
SCK90C	265	265.66	5.3	500	8300						
SCK90C	250	240.89	5.8	500	8300						
SCK90C	220	216.8	6.5	500	8300						
SCK90C	200	200.66	7	480	8300						
SCK90C	180	180.6	7.8	480	8300						
SCK90C	150	151.2	9.3	500	8050						
SCK90C	135	136.08	10.3	500	7780						
SCK90C	125	125.95	11.1	480	7580						
SCK90C	110	113.36	12.4	480	7320						
SCK90C	100	99.22	14.1	380	7000						
SCK90C	90	92.47	15.1	380	6760						
SCK90C	75	74.94	18.7	300	6390						
SCK90C	70	62.43	22.4	300	6170						
2级/2 Stage											
SCK90B	60	59.44	24	500	5890						
SCK90B	50	48.18	29	500	5500						
SCK90B	40	40.13	35	480	5170						
SCK90B	30	30.24	46	500	4710						
SCK90B	25	25.19	56	480	4430						
SCK90B	20	19.84	71	380	4090						
SCK90B	15	14.99	93	300	3730						
SCK90B	12.5	12.49	112	480	3510						
SCK90B	10	9.84	142	380	3240						
SCK90B	7.5	7.48	187	300	2950						

SCK..性能参数 Performance parameter

功率 Motor power	输出转速 Output speed	输出转矩 Output torque	公称传动比 Nominal speed ratio	实际传动比 Actual transmission ratio	输出轴 径向载荷 The output shaft Radial load	使用系数 Service Factor	型号 Model
P	n ₂	M _{2n}	i	i	F _{r2}	f _s	
[KW]	[r/min]	[N.m]			[N]		
0.12	4.7	223	300	298.57	4100	0.58	SCK50C Y63M4
	5.3	201	265	262.61	4100	0.65	
	5.6	187	250	247.99	4100	0.7	
	6.4	168	220	219.86	4100	0.77	
	7	153	200	200.44	4100	0.85	
	7.7	138	180	182.29	4100	0.94	
	9.4	112	150	148.89	4000	1.2	
	10.6	101	135	132.00	3890	1.3	
	11.3	92	125	124.29	3770	1.4	
	12.9	83	110	108.31	3640	1.6	
	13.9	77	100	101.04	3560	1.3	
	15.1	69	90	92.89	3440	1.4	
	18.1	57	75	77.15	3220	1.4	
	18.8	51	70	74.62	3110	1.6	
	23	46	60	59.71	2960	2.9	
	28	38	50	49.60	2790	3.4	
	34	31	40	40.09	2610	4.2	
	46	23	30	29.78	2350	5.7	
	56	19	25	24.07	2200	6.9	
	67	16	20	20.21	2080	6.3	
	90	12	15	14.92	1880	6.9	
	4.7	231	300	298.57	4800	0.87	SCK63C Y63M4
	5.1	208	265	272.25	4800	0.96	
	5.8	186	250	242.26	4800	1.1	
	6.4	167	220	219.21	4800	1.2	
	6.9	150	200	202.04	4800	1.2	
	7.5	135	180	185.78	4800	1.3	
	9.3	116	150	150.74	4650	1.7	
	10.3	104	135	136.4	4490	1.9	
	11.1	93	125	125.71	4330	1.9	
	12.7	84	110	110	4180	2.1	
	14.1	77	100	99.22	4070	1.9	
	14.5	70	90	96.27	3930	2.2	
	17.9	56	75	78.11	3650	2.0	
	21.5	50	70	65.14	3530	2.2	
23	47	60	59.71	3430	4.2	SCK63B Y63M4	
28	38	50	48.45	3190	5.3		
35	31	40	40.41	2970	5.9		

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
0.18	9.1	166	300	298.57	4020	0.78	SCK50C Y63M2
	10.4	149	265	262.61	3880	0.87	
	11.0	139	250	247.99	3790	0.94	
	12.4	125	220	219.86	3660	1.0	
	13.6	114	200	200.44	3550	1.1	
	15.0	103	180	182.29	3430	1.3	
	18.3	83	150	148.89	3200	1.6	
	20.7	75	135	132.00	3090	1.7	
	22.0	68	125	124.29	2990	1.9	
	25.2	62	110	108.31	2890	2.1	
	27.0	57	100	101.04	2820	1.7	
	29.4	52	90	92.89	2730	1.9	
	35.4	42	75	77.15	2550	1.9	
	36.6	38	70	74.62	2460	2.1	
	10.6	151	135	132.00	3890	0.86	SCK50C Y63M4
	11.3	138	125	124.29	3770	0.94	
	12.9	124	110	108.31	3640	1.0	
	13.9	116	100	101.04	3560	0.86	
	15.1	104	90	92.89	3440	0.96	
	18.1	86	75	77.15	3220	0.94	
18.8	77	70	74.62	3110	1.0		
23	68	60	59.71	2960	1.9	SCK50B Y63M4	
28	57	50	49.60	2790	2.3		
34	47	40	40.09	2610	2.8		
46	34	30	29.78	2350	3.8		
56	28	25	24.07	2200	4.6		
67	24	20	20.21	2080	4.2		
90	17	15	14.92	1880	4.6		
14.6	109	60	59.71	3430	1.2	SCK50B Y71M6	
17.4	91	50	49.60	3240	1.4		
21	75	40	40.09	3030	1.7		
29	55	30	29.78	2730	2.4		
35	45	25	24.07	2550	2.9		
42	38	20	20.21	2410	2.7		

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
0.18	57	28	15	14.92	2180	2.9	SCK50B Y71M6
	68	23	12.5	12.47	2050	5.6	
	81	19	10	10.47	1930	5.1	
	110	14	7.5	7.73	1750	5.6	SCK63C Y63M2
	9.1	172	300	298.57	4650	1.2	
	10.0	155	265	272.25	4490	1.3	
	11.3	139	250	242.26	4330	1.4	
	12.5	125	220	219.21	4180	1.6	
	13.5	112	200	202.04	4030	1.6	
	14.7	101	180	185.78	3890	1.8	
	18.1	86	150	150.74	3690	2.3	
	20.0	78	135	136.4	3570	2.6	
	21.7	70	125	125.71	3440	2.6	
	24.8	63	110	110	3320	2.9	
	27.5	58	100	99.22	3230	2.6	
	28.4	52	90	96.27	3210	2.9	
	35.0	42	75	78.11	2900	2.6	
	41.9	38	70	65.14	2800	2.9	
	6.9	225	200	202.04	4800	0.8	SCK63C Y63M4
	7.5	203	180	185.78	4800	0.89	
9.3	174	150	150.74	4650	1.2		
10.3	156	135	136.4	4490	1.3		
11.1	140	125	125.71	4330	1.3		
12.7	126	110	110	4180	1.4		
14.1	116	100	99.22	4070	1.3		
14.5	104	90	96.27	3930	1.4		
17.9	84	75	78.11	3650	1.3		
21.5	76	70	65.14	3530	1.5		
23	71	60	59.71	3430	2.8	SCK63B Y63M4	
28	57	50	48.45	3190	3.5		
35	46	40	40.41	2970	3.9		
7.7	200	110	110	4800	0.9	SCK63C Y71M6	
8.6	184	100	99.22	4720	0.81		
8.8	166	90	96.27	4550	0.9		
10.9	133	75	78.11	4230	0.82		
13.0	120	70	65.14	4090	0.92		

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
0.18	14.0	113	60	59.71	3970	1.8	SCK63B Y71M6
	17.5	91	50	48.45	3690	2.2	
	22	73	40	40.41	3440	2.5	
	28	56	30	30.15	3150	3.5	
	35	45	25	25.14	2930	4.0	
	42	38	20	19.84	2760	4.0	
	58	27	15	15.13	2470	4.0	
0.25	15.0	143	180	182.29	3430	0.91	SCK50C Y63M2
	18.3	116	150	148.89	3200	1.1	
	20.7	104	135	132.00	3090	1.2	
	22.0	95	125	124.29	2090	1.4	
	25.2	86	110	108.31	2890	1.5	
	27.0	80	100	101.04	2820	1.3	
	29.4	72	80	92.89	2730	1.4	
	35.4	59	75	77.15	2550	1.4	
	36.6	53	70	74.62	2460	1.5	SCK50B Y71M4
	24	93	60	59.71	2960	1.4	
	28	78	50	49.60	2790	1.7	
	34	64	40	40.09	2610	2.0	
	47	47	30	29.78	2350	2.8	
	57	38	25	24.07	2200	3.4	
0.25	68	32	20	20.21	2080	3.1	SCK50B Y71M6
	92	24	15	14.92	1880	3.4	
	14.6	151	60	59.71	3430	0.86	
	17.4	126	50	49.60	3240	1.0	
	21	104	40	40.09	3030	1.3	
	29	76	30	29.78	2730	1.7	
	35	62	25	24.07	2550	2.1	
	42	52	20	20.21	2410	1.9	
	57	39	15	14.92	2180	2.1	

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
0.25	68	32	12.5	12.47	2050	4.0	SCK50B Y71M6
	81	27	10	10.47	1930	3.7	
	110	20	7.5	7.73	1750	4.0	
	9.1	239	300	298.57	4650	0.84	SCK63C Y63M2
	10.0	215	265	272.25	4490	0.95	
	11.3	192	250	242.26	4530	1.0	
	12.5	173	220	219.21	4180	1.2	
	13.5	155	200	202.04	4050	1.2	
	14.7	140	180	185.78	3890	1.3	
	18.1	120	150	150.74	3690	1.7	
	20.0	108	135	136.4	3570	1.9	
	21.7	97	125	125.71	3440	1.9	
	24.8	87	110	110	3320	2.1	
	27.5	80	100	99.22	3230	1.9	SCK63C Y71M4
28.4	72	90	96.27	3120	2.1		
35.0	58	75	78.11	2900	1.9		
41.9	52	70	65.14	2800	2.1		
10.3	212	135	136.4	4490	0.94		
11.1	190	125	125.71	4330	0.95		
12.7	171	110	110	4180	1.1	SCK63C Y71M4	
14.1	158	100	99.22	4070	0.95		
14.5	142	90	96.27	3930	1.1		
17.9	114	75	78.11	3650	0.96		
21.5	103	70	65.14	3530	1.1		
23	96	60	59.71	3430	2.1	SCK63B Y71M4	
28	78	50	48.45	3190	2.6		
35	63	40	40.41	2970	2.9		
46	48	30	30.15	2720	4.1		

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号	
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model	
P	n_2	M_{2n}	i	i	F_{r2}	f_s		
[KW]	[r/min]	[N.m]			[N]			
0.25	14.0	156	60	59.71	3970	1.3	SCK63B Y71M6	
	17.5	126	50	48.45	3690	1.6		
	22	102	40	40.41	3440	1.8		
	28	78	30	30.15	3150	2.6		
	35	63	25	25.14	2930	2.9		
	42	52	20	19.84	2760	2.9		
	58	38	15	15.13	2470	2.9		
	SCK75B Y71M4	23	95	60	59.44	4660	3.7	
		29	77	50	48.18	4340	4.6	
		SCK75C Y71M6	5.7	382	150	149.32	6500	0.92
			6.2	344	135	136.08	6500	1.0
	7.0		318	125	121.02	6500	0.94	
	7.5		287	110	113.36	6500	1.0	
	8.4		251	100	100.81	6400	0.96	
	9.2		226	90	92.47	6180	1.1	
	SCK75B Y71M6	11.3	191	75	74.94	5840	1.0	
		13.6	172	70	62.43	5640	1.2	
		14.3	154	60	59.44	5390	2.3	
		17.6	125	50	48.18	5030	2.8	
		21	104	40	40.13	4730	2.9	
		SCK90C Y71M6	3.2	672	265	265.66	8300	0.74
			3.5	609	250	240.89	8300	0.82
			3.9	548	220	216.8	8300	0.91
			4.2	507	200	200.66	8300	0.95
			4.7	457	180	180.6	8300	1.1
	5.6		382	150	151.2	8300	1.3	
	6.2		344	135	136.08	8300	1.5	
	6.7		318	125	125.95	8300	1.5	
	7.5		287	110	113.36	8300	1.7	
	8.6		251	100	99.22	8110	1.5	
	9.2		226	90	92.47	7830	1.7	
	11.3		191	75	74.94	7400	1.6	
	13.6		172	70	62.43	7150	1.7	
	14.4		153	60	59.44	6820	3.3	
	17.6	125	50	48.18	6370	4.0		
	SCK90B Y71M6							

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号	
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model	
P	n_2	M_{2n}	i	i	F_{r2}	f_s		
[KW]	[r/min]	[N.m]			[N]			
0.37	22.2	140	125	124.29	2990	0.93	SCK50C Y71M2	
	25.5	126	110	108.31	2890	1.0		
	27.3	117	100	101.04	2820	0.85		
	29.7	106	90	92.89	2730	0.95		
	35.8	87	75	77.15	2550	0.92		
	37.0	78	70	74.62	2460	1.0		
	24	137	60	59.71	2960	0.95		
	SCK50B Y71M4	28	115	50	49.60	2790	1.1	
		34	94	40	40.09	2610	1.4	
		47	69	30	29.78	2350	1.9	
		57	57	25	24.07	2200	2.3	
		68	48	20	20.21	2080	2.1	
		92	35	15	14.92	1880	2.3	
		111	29	12.5	12.47	1770	4.4	
		132	25	10	10.47	1670	4.1	
		179	18	7.5	7.73	1510	4.4	
		22	147	40	40.09	3030	0.88	
	SCK50B Y80M6	30	108	30	29.78	2730	1.2	
		37	88	25	24.07	2550	1.5	
		44	74	20	20.21	2410	1.3	
		59	55	15	14.92	2180	1.5	
		71	46	12.5	12.47	2050	2.8	
		85	38	10	10.47	1930	2.6	
		114	28	7.5	7.73	1750	2.8	
		18.3	176	150	150.74	3690	1.1	
		20.2	158	135	136.4	3570	1.3	
		22.0	142	125	125.71	3440	1.3	
	SCK63C Y71M2	25.1	128	110	110	3320	1.4	
		27.8	118	100	99.22	3230	1.3	
		28.7	106	90	96.27	3120	1.4	
		35.3	85	75	78.11	2900	1.3	
		42.4	77	70	65.14	2800	1.4	
		23	143	60	59.71	3430	1.4	
		28	115	50	48.45	3190	1.7	
		35	93	40	40.41	2970	1.9	
	SCK63B Y71M4							

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
0.37	46	71	30	30.15	2720	2.8	SCK63B Y71M4
	56	58	25	25.14	2530	3.1	
	68	48	20	19.84	2380	3.1	
	94	35	15	15.13	2130	3.2	
	14.6	222	60	59.71	3970	0.90	SCK63B Y80M6
	18.2	179	50	48.45	3690	1.1	
	23	144	40	40.41	3440	1.2	
	29	111	30	30.15	3150	1.8	
	36	90	25	25.14	2930	2.0	
	44	74	20	19.84	2760	2.0	
	60	54	15	15.13	2470	2.0	
	70	47	12.5	13.03	2360	3.9	
84	39	10	10.28	2210	3.9		
116	28	7.5	7.84	1990	3.9		
9.4	348	150	149.32	6360	1.0	SCK75C Y71M4	
10.3	314	135	136.08	6140	1.1		
11.6	290	125	121.02	5980	1.0		
12.4	261	110	113.36	5770	1.1		
13.9	229	100	100.81	5520	1.0		
15.1	206	90	92.47	5330	1.2		
18.7	174	75	74.94	5040	1.2		
22.4	156	70	62.43	4870	1.3		
23	140	60	59.44	4660	2.5	SCK75B Y71M4	
29	113	50	48.18	4340	3.1		
34	95	40	40.13	4080	3.2		
14.9	218	60	59.44	5390	1.6	SCK75B Y80M6	
18.4	177	50	48.18	5030	2.0		
22	147	40	40.13	4730	2.0		
29	111	30	29.86	4310	3.2		
35	93	25	24.20	4050	3.2		
45	73	20	20.16	3740	3.3		
59	55	15	14.99	3410	3.6		
5.8	555	250	240.89	8300	0.90	SCK90C Y71M4	
6.5	500	220	216.8	8300	1.0		
7	462	200	200.66	8300	1.0		

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号	
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model	
P	n_2	M_{2n}	i	i	F_{r2}	f_s		
[KW]	[r/min]	[N.m]			[N]			
0.37	7.8	416	180	180.6	8300	1.2	SCK90C Y71M4	
	9.3	348	150	151.2	8050	1.4		
	10.3	314	135	136.08	7780	1.6		
	11.1	290	125	125.95	7580	1.7		
	12.4	261	110	113.36	7320	1.8		
	14.1	229	100	99.22	7000	1.7		
	15.1	206	90	92.47	6760	1.8		
	18.7	174	75	74.94	6390	1.7		
	22.4	156	70	62.43	6170	1.9		
	23	139	60	59.44	5890	3.6		SCK90B Y71M4
	29	113	50	48.18	5500	4.4		
	5.6	543	150	151.2	8300	0.92		
6.2	489	135	136.08	8300	1.0	SCK90C Y80M6		
6.7	453	125	125.95	8300	1.1			
7.5	407	110	113.36	8300	1.2			
8.6	357	100	99.22	8110	1.1			
9.2	321	90	92.47	7830	1.2			
11.3	271	75	74.94	7400	1.1			
13.6	244	70	62.43	7150	1.2			
15	217	60	59.44	6820	2.3	SCK90B Y80M6		
18.4	177	50	48.18	6370	2.8			
22	147	40	40.13	6000	3.3			
34	140	40	40.09	2610	0.93	SCK50B Y80M4		
47	103	30	29.78	2350	1.3			
57	84	25	24.86	2200	1.5			
68	71	20	20.21	2080	1.4			
92	52	15	14.92	1880	1.5			
111	44	12.5	12.47	1770	3.0			
132	37	10	10.47	1670	2.7			
179	27	7.5	7.73	1510	3.0			
37	131	25	24.07	2550	1.0		SCK50B Y80M6	
44	110	20	20.21	2410	0.91			
59	81	15	14.92	2180	0.98			
71	68	12.5	12.47	2050	1.9			
85	57	10	10.47	1930	1.7			
114	42	7.5	7.73	1750	1.9			

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
0.55	25	190	110	110	3320	0.95	SCK63C Y71M2
	27.8	175	100	99.22	3230	0.86	
	28.7	157	80	96.27	3120	0.95	
	35.3	127	75	78.11	2900	0.87	
	42.4	114	70	65.14	2800	0.97	
	23	212	60	59.71	3430	0.94	SCK63B Y80M4
	28	171	50	48.45	3190	1.2	
	35	138	40	40.41	2970	1.3	
	46	106	30	30.15	2720	1.9	
	56	86	25	25.14	2530	2.1	
	68	71	20	19.84	2380	2.1	
	94	51	15	15.13	2130	2.1	
	109	44	12.5	13.03	2030	4.1	
	131	37	10	10.28	1910	4.1	
	182	27	7.5	7.84	1710	4.1	
	12.7	374	220	216.8	5690	0.94	SCK75C Y71M2
	13.8	346	200	200.66	5540	0.87	
	15.3	312	180	180.6	5350	0.96	
	18.5	261	150	149.32	5040	1.3	
	20.3	235	135	136.08	4870	1.5	
22.8	217	125	121.02	4750	1.4		
23.3	196	110	113.36	4580	1.5		
27.4	171	100	100.81	4380	1.4		
29.8	154	90	92.47	4230	1.6		
36.8	130	75	74.94	4000	1.5		
44.2	117	70	62.43	3860	1.7	SCK75B Y80M4	
23	208	60	59.44	4660	1.7		
29	169	50	48.18	4340	2.1		
34	141	40	40.13	4080	2.1		
46	106	30	29.86	3720	3.3		
55	88	25	24.20	3500	3.4	SCK75B Y80M6	
70	69	20	20.16	3230	3.5		
91	53	15	14.99	2950	3.8		
14.9	325	60	59.44	5390	1.1		
18.4	263	50	48.18	5030	1.3		
22	219	40	40.13	4730	1.4		
29	165	30	29.86	4310	2.1		
35	138	25	24.20	4050	2.2		
45	108	20	20.16	3740	2.2		
59	82	15	14.99	3410	2.4		

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
0.55	9.3	509	300	297.21	7990	0.98	SCK90C Y71M2
	10.4	458	265	265.66	7710	1.1	
	11.5	416	250	240.89	7470	1.2	
	12.7	374	220	216.8	7210	1.3	
	13.8	346	200	200.66	7030	1.4	
	15.3	312	180	180.6	6780	1.5	
	18.3	261	150	151.2	6390	1.9	
	20.3	235	135	136.08	6170	2.1	
	21.9	217	125	125.95	6010	2.2	
	24.3	196	110	113.36	5810	2.5	
	27.8	171	100	99.22	5550	2.2	
	29.8	154	90	92.47	5360	2.5	
	36.8	130	75	74.94	5070	2.3	
	44.2	117	70	62.43	4890	2.6	
	9.3	518	150	151.2	8050	0.97	
	10.3	466	135	136.08	7780	1.1	
	11.1	431	125	125.95	7580	1.1	
	12.4	388	110	113.36	7320	1.2	
	14.1	340	100	99.22	7000	1.1	
	15.1	306	80	92.47	6760	1.2	
18.7	258	75	74.94	6390	1.2		
22.4	233	70	62.43	6170	1.3		
23	207	60	59.44	5890	2.4		
29	169	50	48.18	5500	3.0	SCK90B Y80M4	
34	141	40	40.13	5170	3.4		
46	106	30	30.24	4710	4.7		
15	322	60	59.44	6820	1.6		SCK90B Y80M6
18.4	263	50	48.18	6370	1.9		
22	219	40	40.13	6000	2.2		
29	165	30	30.24	5460	3.0		
35	138	25	25.19	5130	3.5		
45	108	20	19.84	4740	3.5		
59	82	15	14.99	4330	3.6		

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
0.75	47	140	30	29.78	2350	0.93	SCK50B Y80M4
	57	115	25	24.07	2200	1.1	
	68	97	20	20.21	2080	1.0	
	92	71	15	14.92	1880	1.1	
	111	60	12.5	12.47	1770	2.2	
	132	50	10	10.47	1670	2.0	
	179	37	7.5	7.73	1510	2.2	
	28	233	50	48.45	3190	0.86	SCK63B Y80M4
	35	188	40	40.41	2970	0.96	
	46	145	30	30.15	2720	1.4	
	56	117	25	25.14	2530	1.5	
	68	97	20	19.84	2380	1.6	
	94	70	15	15.13	2130	1.6	
	109	60	12.5	13.03	2030	3.0	
	131	50	10	10.28	1910	3.0	SCK63B Y90S6
	182	36	7.5	7.84	1710	3.0	
	30	219	30	30.15	3150	0.91	
	37	177	25	25.14	2930	1.0	
	45	147	20	19.84	2760	1.0	
	62	106	15	15.13	2470	1.0	
	72	92	12.5	13.03	2360	2.0	
	87	76	10	10.28	2210	2.0	SCK75C Y80M2
	120	55	7.5	7.84	1990	2.0	
	19.3	343	150	149.32	5040	1.0	
	21.1	309	135	136.08	4870	1.1	
	23.8	286	125	121.02	4750	1.0	
	25.4	257	110	113.36	4580	1.2	
	28.5	225	100	100.81	4380	1.1	
	31.1	203	90	92.47	4230	1.2	SCK75B Y80M4
	38.4	171	75	74.94	4000	1.2	
	46.1	154	70	62.43	3860	1.3	
	23	284	60	59.44	4660	1.2	
	29	230	50	48.18	4340	1.5	
	34	192	40	40.13	4080	1.6	
	46	144	30	29.86	3720	2.4	
	55	120	25	24.20	3500	2.5	

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
0.75	70	95	20	20.16	3230	2.5	SCK75B Y80M4
	91	72	15	14.99	2950	2.8	
	110	60	12.5	12.49	2770	5.0	
	18.9	349	50	48.18	5030	1.0	SCK75B Y90S6
	23	291	40	40.13	4730	1.0	
	30	219	30	29.86	4310	1.6	
	36	182	25	24.20	4050	1.6	
	46	144	20	20.16	3740	1.7	
	60	109	15	14.99	3410	1.8	
	73	90	12.5	12.49	3210	3.3	
	92	71	10	9.84	2960	3.4	SCK90C Y80M2
	122	54	7.5	7.48	2700	3.7	
	13.3	492	220	216.8	7210	1.0	
	14.3	455	200	200.66	7030	1.1	
	15.9	410	180	180.6	6780	1.2	
	19	343	150	151.2	6390	1.5	
	21.1	309	135	136.08	6170	1.6	
	22.8	286	125	125.95	6010	1.7	SCK90C Y80M4
	25.4	257	110	113.36	5810	1.9	
	29	225	100	99.22	5550	1.7	
	31.1	203	90	92.47	5360	1.9	
	38.4	171	75	74.94	5070	1.8	
	46.1	154	70	62.43	4890	1.9	
	12.4	530	110	113.36	7320	0.91	
	14.1	463	100	99.22	7000	0.82	
	15.1	417	90	92.47	6760	0.91	
	18.7	352	75	74.94	6390	0.85	
	22.4	317	70	62.43	6170	0.95	
	23	282	60	59.44	5890	1.8	
	29	230	50	48.18	5500	2.2	
	34	192	40	40.13	5170	2.5	SCK90B Y80M4
	46	144	30	30.24	4710	3.5	
	55	120	25	25.19	4430	4.0	
	70	95	20	19.84	4090	4.0	
	91	72	15	14.99	3730	4.2	

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
0.75	15.4	428	60	59.44	6820	1.2	SCK90B Y90S6
	18.9	349	50	48.18	6370	1.4	
	23	291	40	40.13	6000	1.7	
	30	219	30	30.24	5460	2.3	
	36	182	25	25.19	5130	2.6	
	46	144	20	19.84	4740	2.6	
	60	109	15	14.99	4330	2.7	
1.1	46	209	30	30.15	2720	0.96	SCK63B Y90S4
	57	169	25	25.14	2530	1.1	
	69	140	20	19.84	2380	1.1	
	95	101	15	15.13	2130	1.1	
	110	87	12.5	13.03	2030	2.1	
	133	72	10	10.28	1910	2.1	SCK63B Y90L6
	184	52	7.5	7.84	1710	2.1	
	72	135	12.5	13.03	2360	1.3	
	87	112	10	10.28	2210	1.3	
	120	81	7.5	7.84	1990	1.4	
1.1	24	410	60	59.44	4660	0.85	SCK75B Y90S4
	29	333	50	48.18	4340	1.1	
	35	277	40	40.13	4080	1.1	
	46	209	30	29.86	3720	1.7	
	56	174	25	24.20	3500	1.7	SCK75B Y90L6
	71	137	20	20.16	3230	1.8	
	93	104	15	14.99	2950	1.9	
	112	86	12.5	12.49	2770	3.5	
	142	68	10	9.84	2550	3.5	
	187	52	7.5	7.48	2330	3.9	
	30	321	30	29.86	4310	1.1	
	36	268	25	24.20	4050	1.1	
	46	211	20	20.16	3740	1.1	
	60	160	15	14.99	3410	1.2	
73	133	12.5	12.49	3210	2.3		
92	105	10	9.84	2960	2.3		
122	79	7.5	7.48	2700	2.5		

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model
P	n_2	M_{2n}	i	i	F_{r2}	f_s	
[KW]	[r/min]	[N.m]			[N]		
1.1	19.0	503	150	151.2	6390	1.0	SCK90C Y80M2
	21.1	453	135	136.08	6170	1.1	
	22.8	419	125	125.95	6010	1.1	
	25.4	377	110	113.36	5810	1.3	
	29.0	330	100	99.22	5550	1.2	
	31.1	297	80	92.47	5360	1.3	
	38.4	251	75	74.94	5070	1.2	
	46.1	226	70	62.43	4890	1.3	SCK90B Y90S4
	24	408	60	59.44	5890	1.2	
	29	333	50	48.18	5500	1.5	
	35	277	40	40.13	5170	1.7	
	46	209	30	30.24	4710	2.4	
	56	174	25	25.19	4430	2.8	
	71	137	20	19.84	4090	2.8	
1.5	93	104	15	14.99	3730	2.9	SCK90B Y90L6
	18.9	512	50	48.18	6370	0.98	
	23	426	40	40.13	6000	1.1	
	30	321	30	30.24	5460	1.6	
	36	268	25	25.19	5130	1.8	
	46	211	20	19.84	4740	1.8	
	60	160	15	14.99	4330	1.9	
	73	133	12.5	12.49	4060	3.6	
	92	105	10	9.84	3750	3.6	
	122	79	7.5	7.48	3420	3.8	
	112	118	12.5	12.67	2030	1.5	SCK63B Y90L4
	135	97	10	10.50	1910	1.5	
	187	71	7.5	7.60	1710	1.6	
	35	372	40	40.13	4080	0.81	
47	281	30	30.24	3720	1.2		
56	234	25	25.19	3500	1.3		
72	184	20	19.84	3230	1.3		
94	140	15	15.09	2950	1.4		
114	116	12.5	12.49	2770	2.6		
144	91	10	9.84	2550	2.6		
190	69	7.5	7.48	2330	2.9		

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号	
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model	
P	n_2	M_{2n}	i	i	F_{r2}	f_s		
[KW]	[r/min]	[N.m]			[N]			
1.5	46	284	20	19.84	3740	0.84	SCK75B Y100L6	
	61	216	15	15.09	3410	0.93		
	74	179	12.5	12.49	3210	1.7		
	93	141	10	9.84	2960	1.7		
	123	107	7.5	7.48	2700	1.9		
	25.5	515	110	113.36	5810	0.93		SCK90C Y90S2
	29.1	450	100	99.22	5550	0.84		
	31.3	405	90	92.47	5360	0.94		
	38.6	343	75	74.94	5070	0.88		
	46.3	308	70	62.43	4890	0.97		
	24	548	60	59.44	5890	0.91	SCK90B Y90L4	
	29	447	50	48.18	5500	1.1		
35	372	40	40.13	5170	1.3			
47	281	30	30.24	4710	1.8			
56	234	25	25.19	4430	2.1			
72	184	20	19.84	4090	2.1			
94	140	15	14.99	3730	2.1			
114	116	12.5	12.49	3510	4.1			
144	91	10	9.84	3240	4.2			
190	69	7.5	7.48	2950	4.3			
30	433	30	30.24	5460	1.2	SCK90B Y100L6		
37	361	25	25.19	5130	1.3			
46	284	20	19.84	4740	1.3			
61	216	15	14.99	4330	1.4			
74	179	12.5	12.49	4060	2.7			
93	141	10	9.84	3750	2.7			
123	107	7.5	7.48	3420	2.8			
2.2	47	409	30	29.86	3720		0.86	SCK75B Y100L4
	57	340	25	24.20	3500		0.88	
	72	268	20	20.16	3230		0.89	
	95	204	15	14.99	2950		0.98	
	114	169	12.5	12.49	2770		1.8	
	145	133	10	9.84	2550	1.8		
	191	101	7.5	7.48	2330	2.0	SCK75B Y112M6	
	75	258	12.5	12.49	3210	1.2		
	95	203	10	9.84	2960	1.2		
	125	155	7.5	7.48	2700	1.3		

功率	输出转速	输出转矩	公称传动比	实际传动比	输出轴 径向载荷	使用系数	型号		
Motor power	Output speed	Output torque	Nominal speed ratio	Actual transmission ratio	The output shaft Radial load	Service Factor	Model		
P	n_2	M_{2n}	i	i	F_{r2}	f_s			
[KW]	[r/min]	[N.m]			[N]				
2.2	36	542	40	40.13	5170	0.88	SCK90B Y100L4		
	47	409	30	30.24	4710	1.2			
	57	340	25	25.19	4430	1.4			
	72	268	20	19.84	4090	1.4			
	95	204	15	14.99	3730	1.5			
	114	169	12.5	12.49	3510	2.8			
	145	133	10	9.84	3240	2.9			
	191	101	7.5	7.48	2950	3.0			
	75	258	12.5	12.49	4060	1.9		SCK90B Y112M6	
	95	203	10	9.84	3750	1.9			
	125	155	7.5	7.48	3420	1.9			
	3.0	114	230	12.5	12.49	2770		1.3	SCK75B Y100L4
145		181	10	9.84	2550	1.3			
191		138	7.5	7.48	2330	1.5			
47		557	30	30.24	4710	0.9	SCK90B Y100L4		
57		464	25	25.19	4430	1.0			
72		366	20	19.84	4090	1.0			
95		278	15	14.99	3730	1.1			
114		230	12.5	12.49	3510	2.1			
145		181	10	9.84	3240	2.1			
191		138	7.5	7.48	2950	2.2			
4.0		115	305	12.5	12.49	2770		0.98	SCK75B Y112M4
		146	240	10	9.84	2550		1.0	
	193	183	7.5	7.48	2330	1.1			
	115	305	12.5	12.49	3510	1.6		SCK90B Y112M4	
	146	240	10	9.84	3240	1.6			
	193	183	7.5	7.48	2950	1.6			

