

传动装置专业制造商

PROFESSIONAL MANUFACTURER OF
TRANSMISSION DEVICE

天津利勃海尔传动技术有限公司，主要设计、开发、制造齿轮和蜗轮减速机整机及相关传动件，

公司主要制造产品：

- > SJ系列螺旋丝杠升降机；
- > N、P系列行星减速机；
- > R S K F四个系列高精度齿轮减速机；

公司产品配套部分：

- > ABB电机：普通三相异步电动机；
- > SIEMENS西门子齿轮减速机，大功率齿轮箱，大功率行星齿轮减速机；
- > 台湾成大精机工业股份有限公司螺旋升降机和蜗轮减速机公司拥有沈阳产卧式加工中心、立式加工中心和瑞士莱斯豪尔磨齿机ZB700以及匈牙利切佩尔蜗杆磨齿机RZ330，以此保障箱体和齿轮的加工精度。

公司工厂位于天津市西青区高泰科技园区丰泽道19号增1号，创始人刘明先生早在1992年就开始从事减速机行业的销售，并且与父亲1998年开始创办自己的工厂，先后与国家一级部企业：天津减速机总厂合作开发行星摆线针轮减速机，与天津万新减速机厂学习合作开发圆弧齿蜗轮蜗杆和普通蜗轮减速机，一直到现在仍加工传动领域中高端（6级）蜗轮减速机产品和配套的高精度（6级）硬齿面齿轮减速机和配件。



产品目录



A



B



C



D

E

F

SKM产品图片	4
SKM产品概述	5
SKM型号说明	6

SKM选型相关参数	8
SKM减速机选型表	15
SKM输入尺寸图表	32

SKM外形尺寸图表	34
SKM附件尺寸图表	39
SKM安装方位图	41

SKM安装	44
SKM润滑油	46
SKM维护	47

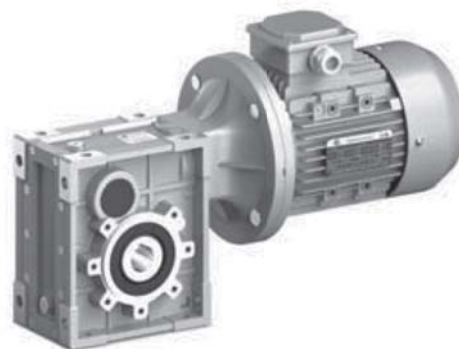
SKM减速机运转故障	46
SKM减速机负载特征表（参考件）	47
SKM产品构造原理	52

NMRV系列减速机产品图片	54
NMRV技术参数	61
NMRV安装尺寸	90

产品图片 / PRODUCT PICTURE



SKM28B-58B(IEC)



SKM28B-58B(MV)



SKM28C-58C(IEC)



SKM28C-58C(MV)



SKM28B-58B(HS)



SKM28C-58C(HS)

产品概述 / PRODUCTS OVERVIEW

产品特点 / Products features

SKM系列斜齿-准双曲面齿轮减速机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：

1. 采用准双曲面齿轮传动，传动比大；
2. 输出扭矩大，传动效率高，节能环保；
3. 优质铝合金铸造，重量轻，不生锈；
4. 传动平稳，噪音小，适合在恶劣环境中长期连续工作；
5. 美观耐用，体积小；
6. 可适应全方位安装，应用广泛，使用方便；
7. SKM系列减速机安装尺寸与NMRV系列蜗轮蜗杆减速机完全兼容（SKM28与NMRV050部分尺寸不同）；
8. 模块化组合，可多种形式组合，满足各种传动条件的需求。

SKM 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. Driven by hypoid gear, has big ratios.
2. Large in output torque, high efficiency, energy saving and environmental protection.
3. Made of high-quality aluminum alloy, light in weight and nonrusting.
4. Smooth in running and low in noise, can work long time in dreadful conditions.
5. Good-looking in appearance, durable in service life and small in volume.
6. Suitable for all round installation, wide application and easy of use.
7. The mounting dimension of SKM series are compatible with NMRV series worm gear unit (A part of NMRV050 dimensions are different from SKM28).
8. Modular and multistructure can meet the demands of various conditions.

主要材料 / Main materials

1. 外壳：铝合金（机座：28-58）
2. 齿轮：20CrMnTi，渗碳淬火，齿面硬度56-62HRC，精磨后保持渗碳层厚度0.3-0.5mm。

1. Housing: die-cast aluminum alloy (frame size: 28 to 58);
2. Gear wheel: 20CrMnTi, carbonize & quencher heat treatment make the hardness of gear's surface up to 56-62 HRC, retain carburization layer's thickness 0.3 and 0.5mm after precise grinding.

表面涂装 / Surface painting

铝合金外壳：

1. 先抛丸处理，再经过特种防腐处理，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PAL5010蓝色或银灰色涂料。

Aluminum alloy housing：

1. Shot blasting and special antiseptic treatment on the aluminum alloy surface.
2. After phosphating, spray the paint PAL5010 in blue or in grey.

型号说明 / MODEL ILLUMINATE

减速电机 / Geared motor

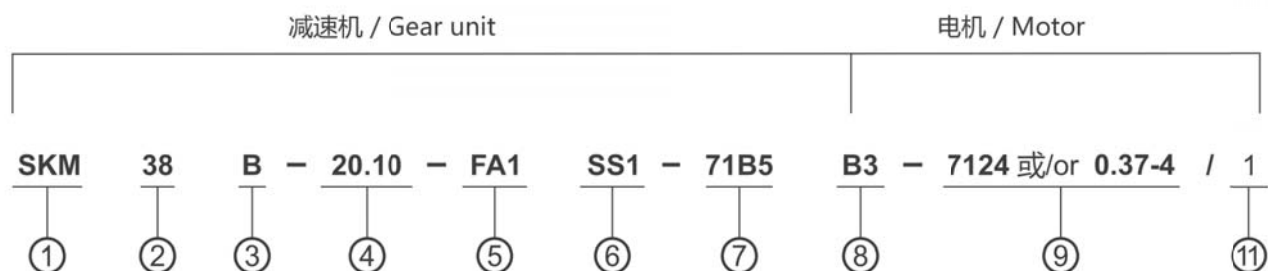
SKM 38 B - 20.10 - FA1 - SS1 - B3 MV71D4 / BMG / 1

① ② ③ ④ ⑤ ⑥ ⑧ ⑨ ⑩ ⑪

NO	说 明	Comments
1	减速机系列代号：SKM	Code for gear units series: SKM
2	减速机规格代号：28、38、48、58	Specification code of gear units: 28. 38. 48. 58
3	1) B：表示2级传动 2) C：表示3级传动	1) B: Means 2 stages 2) C: Means 3 stages
4	减速机速比 i	Speed ratio of reducer i
5	1.无代号表示不带输出法兰 2.FA,FB,FC,FD,FE(1/2):输出法兰代号和位置	1.No mark means without output flange 2.FA, FB, FC, FD, FE(1/2):output Flange and position
6	1.无代号表示孔输出 2.SS(1/2):单向输出轴和位置 3.DS：双向输出轴	1.No mark means hole output 2.SS(1/2):Single output shaft and position 3.DS:Double output shaft
8	安装方位代号	Installation position code
9	电机型号规格	motor type
10	1.无代号表示不带制动器 2.BMG:制动器	1.No mark means without brake 2.BMG:brake
11	电机接线盒位置，默认位置1可以不写	Position of motor terminal box default position 1 not to write out is ok

型号说明 / MODEL ILLUMINATE

减速机或减速机+IEC电机 / Gear unit or gear unit + IEC motor



NO	说 明	Comments
1	减速机系列代号：SKM	Code for gear units series: SKM
2	减速机规格代号：28、38、48、58	Specification code of gear units: 28. 38. 48. 58
3	1) B：表示2级传动 2) C：表示3级传动	1) B: Means 2 stages 2) C: Means 3 stages
4	减速机速比 i	Speed ratio of reducer i
5	1 无代号表示不带输出法兰 2 FA,FB,FC,FD,FE(1/2):输出法兰代号和位置	1.No mark means without output flange 2.FA, FB, FC, FD, FE(1/2):output Flange and position
6	1 无代号表示孔输出 2 SS(1/2):单向输出轴和位置 3 DS：双向输出轴	1.No mark means hole output 2.SS(1/2):Single output shaft and position 3.DS:Double output shaft
7	1) 输入法兰规格代号(63B5、71B5、71B14.....) 2) HS：表示轴输入	1) Input flange code (63B5、71B5、71B14.....) 2) HS: means shaft input
8	安装方位代号	Installation position code
9	1 无代号表示不带电机 2 电机型号或功率、极数	1.No mark means without motor 2.Model motos (poles of power)
11	电机接线盒位置，默认位置1可以不写	Position of motor terminal box default position 1 not to write out is ok

注：订单时请说明是否带电机，一般按不带电机供应。

NOTE: When ordering, you should show whether the reducers are equipped with motors, otherwise reducers aren't supplied with motors.

示例Example：SKM48C - 149.44 - B3 - MV71D4
SKM48B - 59.55 - FA1 - 90B5

选型相关参数 / RELEVANT PARAMETER

功率 P

$$P_1 = P_2 / \eta \text{ (kW)}$$

$$P_{1n} \geq P_1 \cdot fs \text{ (kW)}$$

P_1 输入功率

P_{1n} 输入电机额定功率

η 传动效率

P_2 输出功率

fs 使用系数

SKM系列减速机的效率是根据传动级数确定，2级传动效率 η 为92%，3级传动效率 η 为90%。

POWER P

$$P_1 = P_2 / \eta \text{ (kW)}$$

$$P_{1n} \geq P_1 \cdot fs \text{ (kW)}$$

P_1 Input power

P_{1n} Rated input motor power

η Transmission efficiency

P_2 Output power

fs Service factor

The efficiency of SKM gear units varies with the number of gear stages, which is 92% for 2-stage, 90% for 3-stage.

转速 n / Rotation speed n

n_1 减速机输入转速

n_2 减速机输出转速

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 M_2 会下降。

n_1 Gear units input speed

n_2 Gear units output speed

If driven by the external gearing, 1400r/min or lower rotation speed is 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 M_2 will be reduced.

传动比 i / Transmission ratio i

$$i = n_1 / n_2$$

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.

扭矩 M / Torque m

$$M_2 = 9550 \cdot P_1 \cdot \eta / n_2 \text{ (Nm)}$$

$$M_{2n} \geq M_2 \cdot fs \text{ (Nm)}$$

M_2 输出扭矩

M_{2n} 额定输出扭矩

P_1 输入功率

η 传动效率

fs 使用系数

$$M_2 = 9550 \cdot P_1 \cdot \eta / n_2 \text{ (Nm)}$$

$$M_{2n} \geq M_2 \cdot fs \text{ (Nm)}$$

M_2 Output torque

M_{2n} Rated output torque

P_1 Input power

η Transmission efficiency

fs Service factor

选型相关参数 / RELEVANT PARAMETER

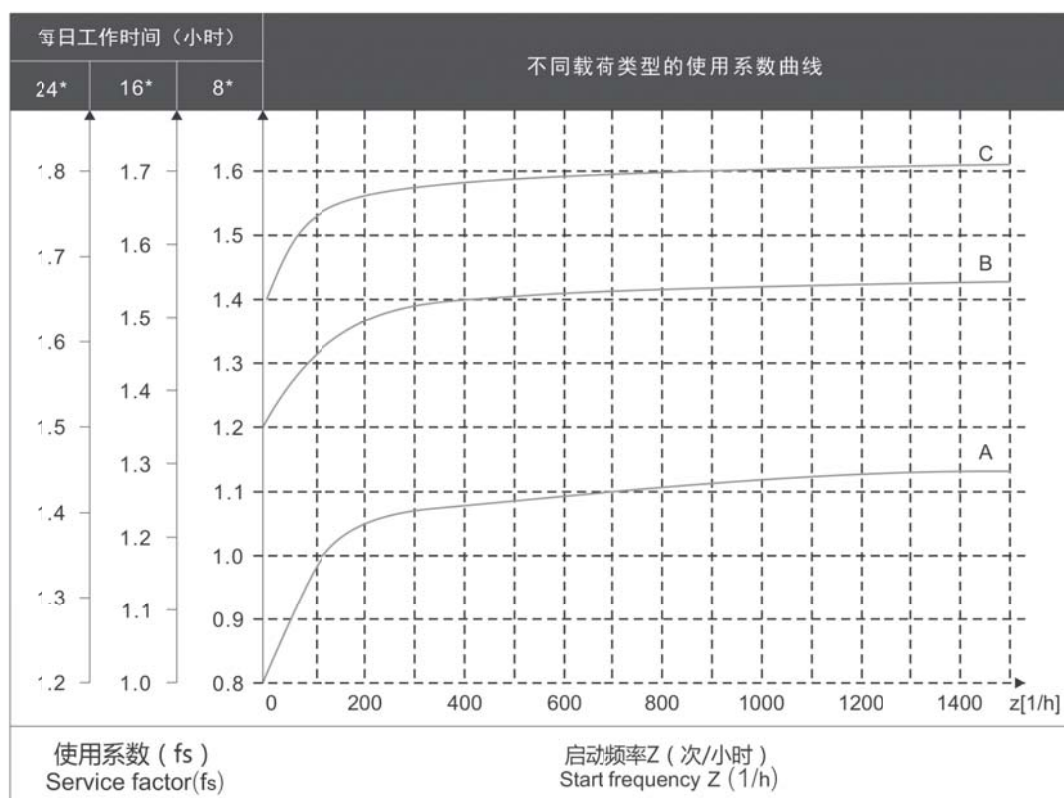
使用系数 f_s / Service factor f_s

使用减速机时，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 considered 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.

选型相关参数 / RELEVANT PARAMETER

负载类型 / Load classifications

负载性质:

- A. 均匀冲击负载, 允许惯性加速系数 $F_a \leq 0.2$
- B. 中等冲击负载, 允许惯性加速系数 $F_a \leq 3$
- C. 重冲击负载, 允许惯性加速系数 $F_a \leq 10$

Type of load:

- A. Uniform ,permitted mass acceleration factor $F_a \leq 0.2$
- B. Moderate shock load,permitted mass acceleration factor $F_a \leq 3$
- C. Heavy shock load,permitted mass acceleration factor $F_a \leq 10$

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。

大型搅拌器, 剪床, 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, 摺床, 机床转盘, 翻桶装置, 震荡装置, 破碎机。

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, fertilize 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.

惯性加速系数 / Mass acceleration factor

惯性加速系数计算如下:

$$F_a = J_c / J_m$$

F_a 惯性加速系数

J_c 所有外部传动惯量 (kgm^2)

J_m 驱动电机的传动惯量 (kgm^2)

如果惯性加速系数 $F_a > 10$, 请与我们技术部联系。

The mass acceleration factor is calculated as follows:

$$F_a = J_c / J_m$$

F_a Mass acceleration factor

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

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

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

为了保持减速机的使用寿命, 从产品样本中所选择的使用系数 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, use factor f_s selected from the catalogue must be equal or slightly higher than the calculated use factor f_s .

举例 / Example :

惯性加速系数 2.5 (负载类型 B), 运行时间 14 小时/天, (按 16 小时/天查图) 和每小时 200 次起停, 查图得使用系数 $f_s = 1.48$ 。根据性能参数表所选择的使用系数 $f_s \geq 1.48$

Mass acceleration factor 2.5 (load classification B), 14 hours/day operating time (read off at 16h/d) and 200 cycles/hour result in a service factor $f_s = 1.48$.

choose the service factor $f_s \geq 1.48$ according to the parameter sheet.

选型相关参数 / RELEVANT PARAMETER

径向载荷和轴向载荷 / Overhung loads and axial forces

在决定影响径向载荷时，安装在轴端上的传动件类型必须考虑在内。不同类型的传动对应不同的传动附加系数 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.

$$F_r = \frac{M \cdot 2000 \cdot f_z}{d_o} \text{ (N)}$$

F_r 作用在轴上的载荷[N] Resulting radial load [N]

M 作用在轴上的扭矩[Nm] Torque on the shafts [Nm]

d_o 安装在轴上传动件的平均直径[mm] Mean diameter of the mounted transmission element in [mm]

f_z 传动附加系数 Transmission element factor

许用径向载荷时根据轴承额定使用寿命 L_{10h} 来估算的（根据ISO0281）。对于特殊的运行条件，许用径向载荷时根据修正使用寿命 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 ISO0281) For special operating conditions , the permitted radial loads can be determined with regard 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 $F_x L$ (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 $F_x L$ (according to bearing service life)

根据轴承的使用寿命公式 / according to bearing service life :

$$F_x L = F_{r(1,2)} \cdot \frac{a}{b+x} \text{ [N]}$$

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

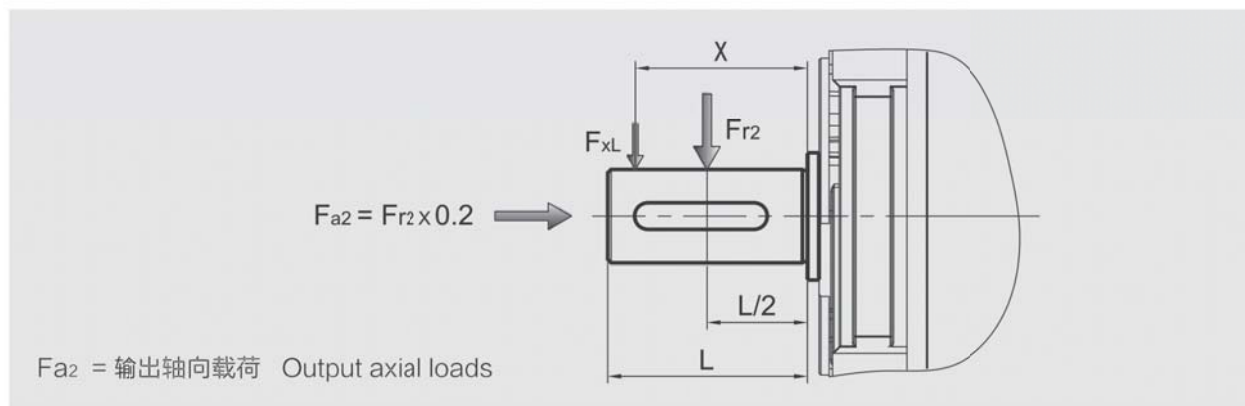
Permitted overhung load ($x=L/2$) for footmounted gear units according to the selection tables in [N]

X =从轴肩到受力点的距离[mm] Distance from the shaft shoulder to the force application point in [mm]

a, b =减速机径向转化常量[mm] Gear unit constant for overhung load conversion [mm]

选型相关参数 / RELEVANT PARAMETER

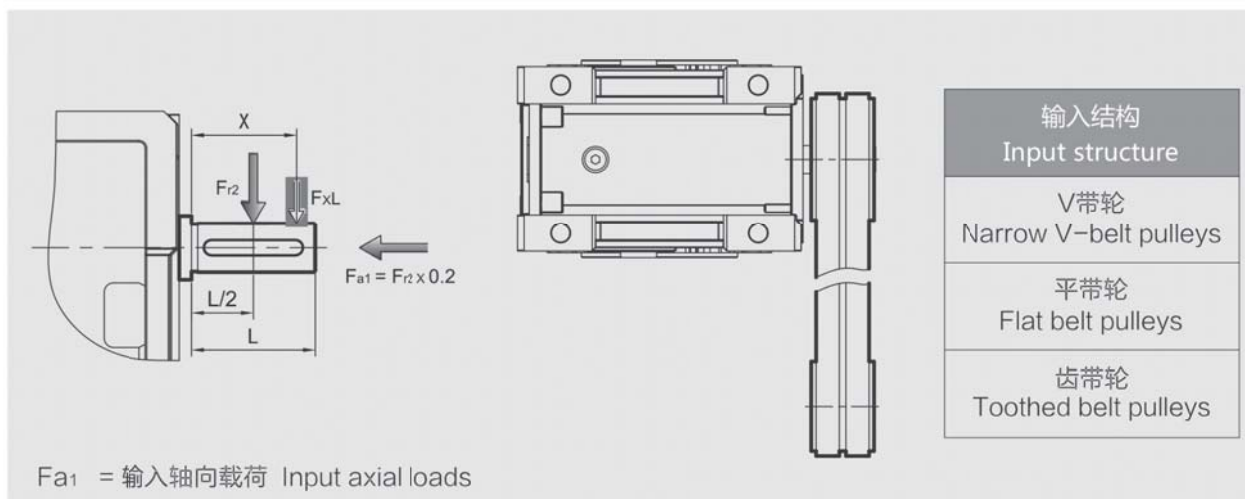
输出轴径向载荷 / Output shafts radial loads



SKM减速机径向转化常量 Gear unit constants for overhung load conversion:

	SKM28B	SKM28C	SKM38B	SKM38C	SKM48B	SKM48C	SKM58B	SKM58C
a	104	104	118	118	131	131	159	159
b	78	78	93	93	101	101	119	119

输入轴径向载荷 / Input shafts radial loads



右示图的输入不被允许使用（包括三级输入）。



It is forbidden to use the input on the right chart (including 3 stage input).

SKM 减速机径向转化常量 Gear unit constants for overhung load conversion:

	SKM28B	SKM28C	SKM38B	SKM38C	SKM48B	SKM48C	SKM58B	SKM58C
a	51.5	56	58	56	73	70	81	70
b	40	44.5	43	44.5	53	55	61	55



选型相关参数 / RELEVANT PARAMETER

选型表注释 / Selection tables comments

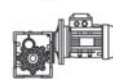


	表示电机与减速机的组合是可行的
	表示电机与减速机的组合是不可行的

*	表示速比可除尽
P_{1n}	电机额定功率 [kW]
n_2	输出转速 [r/min]
M_{2n}	输出扭矩 [Nm]
M_{2max}	最大允许输出扭矩 [Nm]
F_{r2}	输出轴径向载荷 [N]
i	减速机公称传动比

i_a	减速机实际传动比
f_s	使用系数
	减速电机型号
	减速机型号
	电机型号

	Combination with the motor in the header row is possible
	Combination with the motor in the header row is not possible

*	Finite gear unit reduction ratio
P_{1n}	Rated power driving motor [kW]
n_2	Output speed [r/min]
M_{2n}	Output torque [Nm]
M_{2max}	Max. permissible output torque [Nm]
F_{r2}	Permissible overhung load output side [N]
i	Gear unit nominal ratio

i_a	Gear unit actual ratio
f_s	Service factor
	Geared motor type
	Gear unit type
	Motor type

选型相关参数 / RELEVANT PARAMETER

选型举例 / Selection example

减速电机 / Gear motor

例：被驱动设备所需要功率0.25kW，工作8小时/天，中等冲击，启动频率100次/小时，输出转速 $n_2=35\text{r/min}$ ，减速机要求B3安装，则：

查P6使用系数图表即可选使用系数 $f_s=1.3$

Example : Required power 0.25kW on driven machine , work for 8 h/day , moderate shock load , start up frequency 100 (1/h) , $n_2=35\text{r/min}$, B3 mounted , So :

Check the service factor table on page 6 , choose $f_s=1.3$

$$i = \frac{n_1}{n_2} = \frac{1400}{35} = 40$$

$$P_{in} \geq P_1 \cdot f_s = \frac{P_2}{\eta} \cdot f_s = \frac{0.25}{0.94} \times 1.3 = 0.345 \text{ (kW)}$$

查SKM系列性能参数表可确定减速机型号为：

SKM28B-40.29-MV71D4-B3

Choose type:

SKM28B-40.29-MV71D4-B3

减速机 / Gear units

例：被驱动设备所需扭矩为200Nm，工作8小时，均匀冲击负载，启动频率400次/小时，减速机要求FA1法兰安装，减速机要求输入转速 $n_1=900\text{r/min}$ ，输出转速 $n_2=6\text{r/min}$ ，查性能参数表可知，只选能三级传动形式。

查P6使用系数表即可选使用系数 $f_s=1.05$

Example:Required torque 200Nm on driven machine,work 8 h/day,uniform load,Start up frequency 400(1/h) FA1 mounted, $n_1= 900 \text{ r/min}$, $n_2= 6 \text{ r/min}$, so the only selection is 3 stage after checked the table:

check the service factor table on page 6, choose $f_s=1.05$

$$i = \frac{n_1}{n_2} = \frac{900}{6} = 150$$

$$M_{2N} \geq M_2 \cdot f_s = 200 \times 1.05 = 210 \text{ (Nm)}$$

$$P_{in} \geq P_1 \cdot f_s = \frac{M_2 \cdot n_1}{9550 \cdot \eta \cdot i} \cdot f_s = \frac{210 \times 900}{9550 \times 0.92 \times 150} \times 1.05 = 0.151 \text{ (kW)}$$

查SKM系列性能参数表可确定减速机型号为：

SKM48C-149.44-FA1

Choose type:

SKM48C-149.44-FA1

减速机选型表 / GEAR UNIT SELECTION TABLES

SKM 28..减速机组合表 ($n_1 = 1400\text{r/min}$)

SKM 28..Possible geometrical combinations ($n_1 = 1400\text{r/min}$)

130Nm

减速机型号 Gear units	i 公称 Nominal	i 实际 Actual	n_2 [r/min]	$M_{2\max}$ [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90
3级/Stage									
SKM28C	300	303.19	4.6	130	4100				
SKM28C	250	256.09	5.5	130	4100				
SKM28C	200	205.11	6.8	130	4100				
SKM28C	150	151.82	9.2	130	4000				
SKM28C	125	127.76	11	100	3770				
SKM28C	100	102.32	13.7	80	3560				
SKM28C	75	75.74	18.5	130	3220				
2级/Stage									
SKM283	60	59.55	23.5	130	2960				
SKM283	50	50.30	27.8	130	2790				
SKM283	40	40.29	34.7	130	2610				
SKM283	30	29.82	46.9	130	2350				
SKM283	25	25.10	55.8	130	2200				
SKM283	20	20.10	69.7	100	2080				
SKM283	15	14.88	94.1	80	1880				
SKM283	12.5	12.83	109.1	130	1770				
SKM283	10	10.28	136.2	100	1670				
SKM283	7.5	7.61	184	80	1510				

SKM 38..减速机组合表 ($n_1 = 1400\text{r/min}$)

SKM 38..Possible geometrical combinations ($n_1 = 1400\text{r/min}$)

200Nm

减速机型号 Gear units	i 公称 Nominal	i 实际 Actual	n_2 [r/min]	$M_{2\max}$ [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90
3级/Stage									
SKM38C	300	302.36	4.6	200	4800				
SKM38C	250	255.39	5.5	200	4800				
SKM38C	200	204.54	6.8	180	4800				
SKM38C	150	149.26	9.4	200	4650				
SKM38C	125	127.41	11	180	4330				
SKM38C	100	102.04	13.7	150	4070				
SKM38C	75	74.46	18.8	110	3650				
2级/Stage									
SKM383	60	59.55	23.5	200	3430				
SKM383	50	50.30	27.8	200	3190				
SKM383	40	40.29	34.7	180	2970				
SKM383	30	29.40	47.6	200	2720				
SKM383	25	25.10	55.8	180	2530				
SKM383	20	20.10	69.7	150	2380				
SKM383	15	14.67	95.4	110	2130				
SKM383	12.5	12.83	109.1	180	2030				
SKM383	10	10.28	136.2	150	1910				
SKM383	7.5	7.50	186.7	110	1710				

减速机选型表 / GEAR UNIT SELECTION TABLES

SKM 48..减速机组合表 ($n_1 = 1400\text{r/min}$)

SKM 48..Possible geometrical combinations ($n_1 = 1400\text{r/min}$)

350Nm

减速机型号 Gear units	i 公称 Nominal	i 实际 Actual	n_2 [r/min]	$M_{2\max}$ [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90	MV100	MV112
3级/Stage											
SKM48C	300	302.72	4.6	350	6500						
SKM48C	250	255.69	5.5	350	6500						
SKM48C	200	204.78	6.8	300	6500						
SKM48C	150	149.44	9.4	350	6500						
SKM48C	125	127.56	11	300	5980						
SKM48C	100	102.16	13.7	240	5520						
SKM48C	75	74.55	18.8	200	5040						
2级/Stage											
SKM48B	60	59.55	23.5	350	4660						
SKM48B	50	50.30	27.8	350	4340						
SKM48B	40	40.29	34.7	300	4080						
SKM48B	30	29.40	47.6	350	3720						
SKM48B	25	25.10	55.8	300	3500						
SKM48B	20	20.10	69.7	240	3230						
SKM48B	15	14.67	95.4	200	2950						
SKM48B	12.5	12.83	109.1	300	2770						
SKM48B	10	10.28	136.2	240	2550						
SKM48B	7.5	7.50	186.7	200	2330						

SKM 58..减速机组合表 ($n_1 = 1400\text{r/min}$)



SKM 58..Possible geometrical combinations ($n_1 = 1400\text{r/min}$)




500Nm



减速机型号 Gear units	i 公称 Nominal	i 实际 Actual	n_2 [r/min]	$M_{2\max}$ [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90	MV100	MV112
3级/Stage											
SKM58C	300	303.73	4.6	500	8300						
SKM58C	250	256.55	5.5	500	8300						
SKM58C	200	205.47	6.8	480	8300						
SKM58C	150	149.94	9.3	500	8050						
SKM58C	125	127.98	11	480	7580						
SKM58C	100	102.50	13.7	380	7000						
SKM58C	75	74.80	18.7	300	6390						
2级/Stage											
SKM58B	60	59.55	23.5	500	5890						
SKM58B	50	50.30	27.8	500	5500						
SKM58B	40	40.29	34.7	480	5170						
SKM58B	30	29.40	47.6	500	4710						
SKM58B	25	25.10	55.8	480	4430						
SKM58B	20	20.10	69.7	380	4090						
SKM58B	15	14.67	95.4	300	3730						
SKM58B	12.5	12.83	109.1	480	3510						
SKM58B	10	10.28	136.2	380	3240						
SKM58B	7.5	7.50	186.7	300	2950						



减速机选型表 / GEAR UNIT SELECTION TABLES



SKM.. 性能参数 / Performance parameter



P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i 公称 Nominal	i 实际 Actual	F _{r2} [N]	f _s			Page -----	
0.12	4.6	215	300	303.19	4100	0.60	SKM28C	63B5	6314	31
	5.5	180	250	256.09	4100	0.72				
	6.8	148	200	205.11	4100	0.88				
	9.2	108	150	151.82	4000	1.2				
	11	89	125	127.76	3770	1.5				
	13.7	74	100	102.32	3560	1.3				
	18.5	55	75	75.74	3220	1.5	SKM28B	63B5	6314	31
	23.5	44	60	59.55	2960	3.0				
	27.8	37	50	50.30	2790	3.5				
	34.7	30	40	40.29	2610	4.3				
	46.9	22	30	29.82	2350	5.9				
	55.8	18.1	25	25.10	2200	7.2				
	69.7	15.2	20	20.10	2080	6.6				
	94.1	11.2	15	14.88	1880	7.1				
	109.1	9.4	12.5	12.83	1770	13.8				
	136.2	7.9	10	10.28	1670	12.7				
	184	5.8	7.5	7.61	1510	13.7				
	4.6	223	300	302.36	4800	0.90				
	5.5	179	250	255.39	4800	1.1				
	6.8	145	200	204.54	4800	1.2				
	9.4	112	150	149.26	4650	1.8				
	11	90	125	127.41	4330	2.0				
	13.7	75	100	102.04	4070	2.0				
	18.8	54	75	74.46	3650	2.0	SKM38B	63B5	6314	32
	23.5	46	60	59.55	3430	4.4				
	27.8	37	50	50.30	3190	5.5				
	34.7	30	40	40.29	2970	6.1				
	47.6	23	30	29.40	2720	8.8	SKM48C	63B5	6314	33
	4.6	219	300	302.72	6500	1.6				
	5.5	177	250	255.69	6500	2.0				
	6.8	148	200	204.78	6500	2.0				
	9.4	111	150	149.44	6500	3.1				
	11	93	125	127.56	5980	3.2				
	13.7	73	100	102.16	5520	3.3				
	18.8	56	75	74.55	5040	3.6				
	4.6	217	300	303.73	8300	2.3	SKM58C	63B5	6314	34
	5.5	177	250	256.55	8300	2.8				
	6.8	148	200	205.47	8300	3.2				
	9.3	111	150	149.94	8050	4.5				
0.18	9.2	161	300	303.19	4000	0.81	SKM28C	63B5	6312	31
	10.9	135	250	256.09	3790	0.96				
	13.7	111	200	205.11	3550	1.2				
	18.4	81	150	151.82	3200	1.6				
	21.9	66	125	127.76	2990	2.0				
	27.4	56	100	102.32	2820	1.8				
	37	41	75	75.74	2550	1.9	SKM28C	63B5	6324	31
	11	133	125	127.76	3770	0.98				
	13.7	112	100	102.32	3560	0.90				
	18.5	82	75	75.74	3220	0.97				



P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i 公称 Nominal	i 实际 Actual	F _{r2} [N]	f _s				Page
0.18	23.5	66	60	59.55	2960	2.0	SKM28B	63B5	6324	31
	27.8	55	50	50.30	2790	2.4				
	34.7	45	40	40.29	2610	2.9				
	46.9	33	30	29.82	2350	3.9				
	55.8	27	25	25.10	2200	4.8				
	69.7	23	20	20.10	2080	4.4				
	94.1	16.9	15	14.88	1880	4.7				
	15.1	103	60	59.55	3430	1.3	SKM28B	71B5/B14	7116	31
	17.9	86	50	50.30	3240	1.5				
	22.3	70	40	40.29	3030	1.8				
	30.2	52	30	29.82	2730	2.5				
	35.9	42	25	25.10	2550	3.1				
	44.8	36	20	20.10	2410	2.8				
	60.5	26	15	14.88	2180	3.1				
	70.1	22	12.5	12.83	2050	5.9				
	87.5	18.4	10	10.28	1930	5.4				
	118.4	13.6	7.5	7.61	1750	5.9				
	9.3	167	300	302.36	4650	1.2	SKM38C	63B5	6312	32
	11	135	250	255.39	4330	1.5				
	13.7	109	200	204.54	4030	1.7				
	18.8	84	150	149.26	3690	2.4				
	22	68	125	127.41	3440	2.7				
	27.4	56	100	102.04	3230	2.7				
	37.6	41	75	74.46	2900	2.7				
	6.8	217	200	204.54	4800	0.83	SKM38C	63B5	6324	32
	9.4	167	150	149.26	4650	1.2				
	11	135	125	127.41	4330	1.3				
	13.7	112	100	102.04	4070	1.3				
	18.8	81	75	74.46	3650	1.4				
	23.5	68	60	59.55	3430	2.9	SKM38B	63B5	6324	32
	27.8	55	50	50.30	3190	3.6				
	34.7	44	40	40.29	2970	4.1				
	7.1	210	125	127.41	4800	0.86	SKM38C	71B5/B14	7116	32
	8.8	174	100	102.04	4720	0.86				
	12.1	126	75	74.46	4230	0.87				
	15.1	106	60	59.55	3970	1.9	SKM38B	71B5/B14	7116	32
	17.9	86	50	50.30	3690	2.3				
	22.3	69	40	40.29	3440	2.6				
	30.6	53	30	29.40	3150	3.8				
	35.9	43	25	25.10	2930	4.2				
	44.8	36	20	20.10	2760	4.2				
	61.3	26	15	14.67	2470	4.3				
	9.2	164	300	302.72	6320	2.1				
	11	133	250	255.69	5890	2.6	SKM48C	63B5	6312	33
	13.7	111	200	204.78	5540	2.7				
	18.7	84	150	149.44	5040	4.2				
	4.6	328	300	302.72	6500	1.1				
	5.5	266	250	255.69	6500	1.3	SKM48C	63B5	6324	33
	6.8	222	200	204.78	6500	1.4				
	9.4	167	150	149.44	6500	2.1				
	11	139	125	127.56	5980	2.2				
	13.7	110	100	102.16	5520	2.2				
	18.8	83	75	74.55	5040	2.4				



P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i 公称 Nominal	i 实际 Actual	F _{r2} [N]	f _s			Page	
0.18	3.5	414	250	255.69	6500	0.85	SKM48C	71B5/B14	7116	33
	4.4	345	200	204.78	6500	0.87				
	6.0	260	150	149.44	6500	1.3				
	7.1	217	125	127.56	6500	1.4				
	8.8	171	100	102.16	6400	1.4				
	12.1	130	75	74.55	5840	1.5				
	15.1	104	60	59.55	5390	3.4	SKM48B	71B5/B14	7116	33
	17.9	85	50	50.30	5030	4.1				
	22.3	71	40	40.29	4730	4.3				
	9.2	163	300	303.73	7990	3.1	SKM58C	63B5	6312	34
	10.9	133	250	256.55	7470	3.8				
	13.6	111	200	205.47	7030	4.3				
	4.6	326	300	303.73	8300	1.5	SKM58C	63B5	6324	34
	5.5	266	250	256.55	8300	1.9				
	6.8	222	200	205.47	8300	2.2				
	9.3	167	150	149.94	8050	3.0				
	11	139	125	127.98	7580	3.4				
	13.7	110	100	102.50	7000	3.5				
	18.7	83	75	74.80	6390	3.6				
	3.0	507	300	303.73	8300	0.99	SKM58C	71B5/B14	7116	34
	3.5	414	250	256.55	8300	1.2				
	4.4	345	200	205.47	8300	1.4				
	6.0	260	150	149.94	8300	1.9				
	7.0	217	125	127.98	8300	2.2				
8.8	171	100	102.50	8110	2.2					
12.0	130	75	74.80	7400	2.3					
0.25	18.4	113	150	151.82	3200	1.2	SKM28C	63B5	6322	31
	21.9	92	125	127.76	2990	1.4				
	27.4	78	100	102.32	2820	1.3				
	37	57	75	75.74	2550	1.4				
	23.5	92	60	59.55	2960	1.4	SKM28B	71B5/B14	7114	31
	27.8	77	50	50.30	2790	1.7				
	34.7	63	40	40.29	2610	2.1				
	46.9	46	30	29.82	2350	2.8				
	55.8	38	25	25.10	2200	3.4				
	69.7	32	20	20.10	2080	3.2				
	94.1	23	15	14.88	1880	3.4				
	15.1	142	60	59.55	3430	0.91	SKM28B	71B5/B14	7126	31
	17.9	119	50	50.30	3240	1.1				
	22.3	98	40	40.29	3030	1.3				
	30.2	72	30	29.82	2730	1.8				
	35.9	59	25	25.10	2550	2.2				
	44.8	49	20	20.10	2410	2.0				
60.5	36	15	14.88	2180	2.2					
70.1	30	12.5	12.83	2050	4.3					
87.5	26	10	10.28	1930	3.9					
118.4	18.9	7.5	7.61	1750	4.2					




P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i 公称 Nominal	i 实际 Actual	F _{r2} [N]	f _s			6322	Page ←→
0.25	9.3	232	300	302.36	4650	0.86	SKM38C	63B5	6322	32
	11	187	250	255.39	4330	1.1				
	13.7	151	200	204.54	4030	1.2				
	18.8	116	150	149.26	3690	1.7				
	22	94	125	127.41	3440	1.9				
	27.4	78	100	102.04	3230	1.9				
	37.6	56	75	74.46	2900	2.0				
	9.4	233	150	149.26	4650	0.86	SKM38C	71B5/B14	7114	32
	11	188	125	127.41	4330	0.96				
	13.7	155	100	102.04	4070	0.97				
	18.8	113	75	74.46	3650	0.98				
	23.5	95	60	59.55	3430	2.1	SKM38B	71B5/B14	7114	32
	27.8	76	50	50.30	3190	2.6				
	34.7	62	40	40.29	2970	2.9				
	47.6	48	30	29.40	2720	4.2				
	15.1	148	60	59.55	3970	1.4	SKM38B	71B5/B14	7126	32
	17.9	119	50	50.30	3690	1.7				
	22.3	96	40	40.29	3440	1.9				
	30.6	74	30	29.40	3150	2.7				
	35.9	60	25	25.10	2930	3.0				
	44.8	49	20	20.10	2760	3.0				
	61.3	36	15	14.67	2470	3.1				
	9.3	228	300	302.72	6320	1.5	SKM48C	63B5	6322	33
	11	185	250	255.69	5890	1.9				
	13.7	154	200	204.78	5540	1.9				
	18.8	116	150	149.44	5040	3.0				
	22	97	125	127.56	4750	3.1				
	27.4	76	100	102.16	4380	3.2				
	37.6	58	75	74.55	4000	3.5				
	5.5	370	250	255.69	6500	0.95	SKM48C	71B5/B14	7114	33
	6.8	308	200	204.78	6500	0.97				
	9.4	232	150	149.44	6500	1.5				
	11	193	125	127.56	5980	1.6				
	13.7	152	100	102.16	5520	1.6				
	18.8	116	75	74.55	5040	1.7				
	23.5	93	60	59.55	4660	3.8	SKM48B	71B5/B14	7114	33
	27.8	76	50	50.30	4340	4.6				
	6.0	361	150	149.44	6500	0.97	SKM48C	71B5/B14	7126	33
	7.1	301	125	127.56	6500	1.00				
	8.8	237	100	102.16	6400	1.0				
	12.1	180	75	74.55	5840	1.1				
	15.1	145	60	59.55	5390	2.4	SKM48B	71B5/B14	7126	33
	17.9	118	50	50.30	5030	3.0				
	22.3	98	40	40.29	4730	3.1				
	9.2	227	300	303.73	7990	2.2	SKM58C	63B5	6322	34
	10.9	185	250	256.55	7470	2.7				
	13.6	154	200	205.47	7030	3.1				
	18.7	116	150	149.94	6390	4.3				
	4.6	453	300	303.73	8300	1.1	SKM58C	71B5/B14	7114	34
	5.5	370	250	256.55	8300	1.4				



P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i 公称 Nominal	i 实际 Actual	F _{r2} [N]	f _s			Page -----	
0.25	6.8	308	200	205.47	8300	1.6	SKM58C	71B5/B14	7114	34
	9.3	232	150	149.94	8050	2.2				
	11	193	125	127.98	7580	2.5				
	13.7	152	100	102.50	7000	2.5				
	18.7	116	75	74.80	6390	2.6				
	3.0	705	300	303.73	8300	0.71	SKM58C	71B5/B14	7126	34
	3.5	575	250	256.55	8300	0.87				
	4.4	479	200	205.47	8300	1.0				
	6.0	361	150	149.94	8300	1.4				
	7.0	301	125	127.98	8300	1.6				
	8.8	237	100	102.50	8110	1.6				
	12.0	180	75	74.80	7400	1.7				
	15.1	144	60	59.55	6820	3.5	SKM58B	71B5/B14	7126	34
	17.9	118	50	50.30	6370	4.3				
0.37	21.9	137	125	127.76	2990	0.95	SKM28C	71B5/B14	7112	31
	27.4	115	100	102.32	2820	0.87				
	37	85	75	75.74	2550	0.94				
	23.5	136	60	59.55	2960	0.96	SKM28B	71B5/B14	7124	31
	27.8	113	50	50.30	2790	1.1				
	34.7	93	40	40.29	2610	1.4				
	46.9	68	30	29.82	2350	1.9				
	55.8	56	25	25.10	2200	2.3				
	69.7	47	20	20.10	2080	2.1				
	94.1	35	15	14.88	1880	2.3				
	109.1	29	12.5	12.83	1770	4.5				
	136.2	24	10	10.28	1670	4.1				
	184	17.9	7.5	7.61	1510	4.5				
	22.3	145	40	40.29	3030	0.90	SKM28B	80B5/B14	8016	31
	30.2	106	30	29.82	2730	1.2				
	35.9	87	25	25.10	2550	1.5				
	44.8	73	20	20.10	2410	1.4				
	60.5	54	15	14.88	2180	1.5				
	70.1	45	12.5	12.83	2050	2.9				
	87.5	38	10	10.28	1930	2.6				
	118.4	28	7.5	7.61	1750	2.9				
	18.8	172	150	149.26	3690	1.2	SKM38C	71B5/B14	7112	32
22	139	125	127.41	3440	1.3					
27.4	115	100	102.04	3230	1.3					
37.6	83	75	74.46	2900	1.3					
23.5	140	60	59.55	3430	1.4	SKM38B	71B5/B14	7124	32	
27.8	113	50	50.30	3190	1.8					
34.7	91	40	40.29	2970	2.0					
47.6	70	30	29.40	2720	2.8					
55.8	57	25	25.10	2530	3.2					
69.7	47	20	20.10	2380	3.2					
95.4	34	15	14.67	2130	3.2					



P _{1n}	n ₂	M _{2n}	i	i	F _{r2}	f _s			Page	
[kW]	[r/min]	[Nm]	公称 Nominal	实际 Actual	[N]					
0.37	15.1	219	60	59.55	3970	0.92	SKM38B	80B5/B14	8016	32
	17.9	176	50	50.30	3690	1.1				
	22.3	142	40	40.29	3440	1.3				
	30.6	109	30	29.40	3150	1.8				
	35.9	88	25	25.10	2930	2.0				
	44.8	73	20	20.10	2760	2.1				
	61.3	53	15	14.67	2470	2.1				
	70.1	46	12.5	12.83	2360	3.9				
	87.5	38	10	10.28	2210	4.0				
	120	27	7.5	7.50	1990	4.0				
	9.3	338	300	302.72	6320	1.0	SKM48C	71B5/B14	7112	33
	11	274	250	255.69	5890	1.3				
	13.7	228	200	204.78	5540	1.3				
	18.8	172	150	149.44	5040	2.0				
	22	143	125	127.56	4750	2.1				
	27.4	113	100	102.16	4380	2.1				
	37.6	86	75	74.55	4000	2.3				
	9.4	343	150	149.44	6500	1.0	SKM48C	71B5/B14	7124	33
	11	286	125	127.56	5980	1.0				
	13.7	225	100	102.16	5520	1.1				
	18.8	171	75	74.55	5040	1.2				
	23.5	138	60	59.55	4660	2.5	SKM48B	71B5/B14	7124	33
	27.8	112	50	50.30	4340	3.1				
	34.7	93	40	40.29	4080	3.2				
	15.1	215	60	59.55	5390	1.6	SKM48B	80B5/B14	8016	33
	17.9	174	50	50.30	5030	2.0				
	22.3	145	40	40.29	4730	2.1				
	30.6	109	30	29.40	4310	3.2				
	35.9	91	25	25.10	4050	3.3				
	44.8	72	20	20.10	3740	3.3				
	61.3	55	15	14.67	3410	3.7				
	9.2	335	300	303.73	7990	1.5	SKM58C	71B5/B14	7112	34
	10.9	274	250	256.55	7470	1.8				
13.6	228	200	205.47	7030	2.1					
18.7	172	150	149.94	6390	2.9					
21.9	143	125	127.98	6010	3.4					
27.3	113	100	102.50	5550	3.4					
37.4	86	75	74.80	5070	3.5					
4.6	671	300	303.73	8300	0.75	SKM58C	71B5/B14	7124	34	
5.5	547	250	256.55	8300	0.91					
6.8	456	200	205.47	8300	1.1					
9.3	343	150	149.94	8050	1.5					
11	286	125	127.98	7580	1.7					
13.7	225	100	102.50	7000	1.7					
18.7	171	75	74.80	6390	1.8					




P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i 公称 Nominal	i 实际 Actual	F _{r2} [N]	f _s			Page					
0.37	23.5	137	60	59.55	5890	3.6	SKM58B	71B5/B14	7124	34				
	27.8	112	50	50.30	5500	4.5								
	6.0	534	150	149.94	8300	0.94	SKM58C	80B5/B14	8016	34				
	7.0	445	125	127.98	8300	1.1								
	8.8	351	100	102.50	8110	1.1								
	12.0	267	75	74.80	7400	1.1								
	15.1	213	60	59.55	6820	2.3	SKM58B	80B5/B14	8016	34				
	17.9	174	50	50.30	6370	2.9								
22.3	145	40	40.29	6000	3.3									
0.55	34.7	138	40	40.29	2610	0.94	SKM28B	80B5/B14	8014	31				
	46.9	101	30	29.82	2350	1.3								
	55.8	83	25	25.10	2200	1.6								
	69.7	70	20	20.10	2080	1.4								
	94.1	51	15	14.88	1880	1.6								
	109.1	43	12.5	12.83	1770	3.0								
	136.2	36	10	10.28	1670	2.8								
	184	27	7.5	7.61	1510	3.0								
	35.9	129	25	25.10	2550	1.0	SKM28B	80B5/B14	8026	31				
	44.8	109	20	20.10	2410	0.92								
	60.5	80	15	14.88	2180	1.00								
	70.1	67	12.5	12.83	2050	1.9								
	87.5	56	10	10.28	1930	1.8								
	118.4	42	7.5	7.61	1750	1.9								
	22	206	125	127.41	3440	0.87	SKM38C	71B5/B14	7122	32				
	27.4	171	100	102.04	3230	0.88								
	37.6	124	75	74.46	2900	0.89								
	23.5	209	60	59.55	3430	0.96	SKM38B	80B5/B14	8014	32				
	27.8	168	50	50.30	3190	1.2								
	34.7	136	40	40.29	2970	1.3								
	47.6	105	30	29.40	2720	1.9								
	55.8	84	25	25.10	2530	2.1								
	69.7	70	20	20.10	2380	2.1								
	95.4	51	15	14.67	2130	2.2								
	109.1	44	12.5	12.83	2030	4.1								
	136.2	36	10	10.28	1910	4.1								
	186.7	26	7.5	7.50	1710	4.2								
	22.3	211	40	40.29	3440	0.85					SKM38B	80B5/B14	8026	32
	30.6	163	30	29.40	3150	1.2								
	35.9	131	25	25.10	2930	1.4								
	44.8	109	20	20.10	2760	1.4								
	61.3	79	15	14.67	2470	1.4								
	70.1	68	12.5	12.83	2360	2.6								
	87.5	56	10	10.28	2210	2.7								
	120	41	7.5	7.50	1990	2.7								



P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i 公称 Nominal	i 实际 Actual	F _{r2} [N]	f _s			Page	
0.55	11	407	250	255.69	5890	0.86	SKM48C	71B5/B14	7122	33
	13 7	339	200	204.78	5540	0.89				
	18 8	255	150	149.44	5040	1.4				
	22	213	125	127.56	4750	1.4				
	27 4	168	100	102.16	4380	1.4				
	37 6	127	75	74.55	4000	1.6				
	18 8	255	75	74.55	5040	0.79	SKM48C	80B5/B14	8014	33
	23 5	205	60	59.55	4660	1.7	SKM48B	80B5/B14	8014	33
	27 8	166	50	50.30	4340	2.1				
	34 7	139	40	40.29	4080	2.2				
	47 6	104	30	29.40	3720	3.4				
	55 8	87	25	25.10	3500	3.5				
	69 7	68	20	20.10	3230	3.5				
	95 4	52	15	14.67	2950	3.8				
	15 1	319	60	59.55	5390	1.1				
	17 9	259	50	50.30	5030	1.4				
	22 3	215	40	40.29	4730	1.4				
	30 6	162	30	29.40	4310	2.2				
	35 9	135	25	25.10	4050	2.2				
	44 8	107	20	20.10	3740	2.3				
	61 3	81	15	14.67	3410	2.5				
	9.2	498	300	303.73	7990	1.0	SKM58C	71B5/B14	7122	34
	10 9	407	250	256.55	7470	1.2				
	13 6	339	200	205.47	7030	1.4				
	18 7	255	150	149.94	6390	2.0				
	21 9	213	125	127.98	6010	2.3				
	27 3	168	100	102.50	5550	2.3				
	37 4	127	75	74.80	5070	2.4				
	9.3	511	150	149.94	8050	0.98	SKM58C	80B5/B14	8014	34
	11	425	125	127.98	7580	1.1				
13 7	335	100	102.50	7000	1.1					
18 7	255	75	74.80	6390	1.2					
23 5	204	60	59.55	5890	2.5	SKM58B	80B5/B14	8014	34	
27 8	166	50	50.30	5500	3.0					
34 7	139	40	40.29	5170	3.5					
47 6	104	30	29.40	4710	4.8					
15 1	317	60	59.55	6820	1.6	SKM58B	80B5/B14	8026	34	
17 9	259	50	50.30	6370	1.9					
22 3	215	40	40.29	6000	2.2					
30 6	162	30	29.40	5460	3.1					
35 9	135	25	25.10	5130	3.5					
44 8	107	20	20.10	4740	3.6					
61 3	81	15	14.67	4330	3.7					

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i 公称 Nominal	i 实际 Actual	F _{r2} [N]	f _s			Page 	
0.75	46.9	138	30	29.82	2350	0.94	SKM28B	80B5/B14	8024	31
	55.8	113	25	25.10	2200	1.1				
	69.7	95	20	20.10	2080	1.1				
	94.1	70	15	14.88	1880	1.1				
	109.1	59	12.5	12.83	1770	2.2				
	136.2	49	10	10.28	1670	2.0				
	184	36	7.5	7.61	1510	2.2				
	70.1	91	12.5	12.83	2050	1.4	SKM28B	90B5/B14	90S6	31
	87.5	77	10	10.28	1930	1.3				
	118.4	57	7.5	7.61	1750	1.4				
	27.8	229	50	50.30	3190	0.87	SKM38B	80B5/B14	8024	32
	34.7	185	40	40.29	2970	0.97				
	47.6	143	30	29.40	2720	1.4				
	55.8	115	25	25.10	2530	1.6				
	69.7	95	20	20.10	2380	1.6				
	95.4	69	15	14.67	2130	1.6				
	109.1	60	12.5	12.83	2030	3.0				
	136.2	49	10	10.28	1910	3.0				
	186.7	36	7.5	7.50	1710	3.1				
	30.6	222	30	29.40	3150	0.90	SKM38B	90B5/B14	90S6	32
	35.9	179	25	25.10	2930	1.0				
	44.8	148	20	20.10	2760	1.0				
	61.3	107	15	14.67	2470	1.0				
	70.1	93	12.5	12.83	2360	1.9				
	87.5	77	10	10.28	2210	2.0				
	120	56	7.5	7.50	1990	2.0				
	9.4	348	150	149.44	5040	1.0	SKM48C	80B5/B14	8012	33
	11	290	125	127.56	4750	1.0				
	13.7	228	100	102.16	4380	1.1				
	18.8	174	75	74.55	4000	1.2				
	23.5	280	60	59.55	4660	1.3	SKM48B	80B5/B14	8024	33
	27.8	227	50	50.30	4340	1.5				
	34.7	189	40	40.29	4080	1.6				
	47.6	142	30	29.40	3720	2.5				
	55.8	119	25	25.10	3500	2.5				
	69.7	93	20	20.10	3230	2.6				
	95.4	71	15	14.67	2950	2.8				
	17.9	353	50	50.30	5030	0.99	SKM48B	90B5/B14	90S6	33
	22.3	294	40	40.29	4730	1.0				
	30.6	221	30	29.40	4310	1.6				
	35.9	184	25	25.10	4050	1.6				
	44.8	145	20	20.10	3740	1.7				
	61.3	110	15	14.67	3410	1.8				
	70.1	91	12.5	12.83	3210	3.3				
	87.5	72	10	10.28	2960	3.3				
	120	55	7.5	7.50	2700	3.7				

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i 公称 Nominal	i 实际 Actual	F _{r2} [N]	f _s			Page	
0.75	10.9	555	250	256.55	7470	0.90	SKM58C	80B5/B14	8012	34
	13.6	462	200	205.47	7030	1.0				
	18.7	348	150	149.94	6390	1.4				
	21.9	290	125	127.98	6010	1.7				
	27.3	228	100	102.50	5550	1.7				
	37.4	174	75	74.80	5070	1.7				
	11	580	125	127.98	7580	0.83	SKM58C	80B5/B14	8024	34
	13.7	457	100	102.50	7000	0.83				
	18.7	347	75	74.80	6390	0.86				
	23.5	278	60	59.55	5890	1.8	SKM58B	80B5/B14	8024	34
	27.8	227	50	50.30	5500	2.2				
	34.7	189	40	40.29	5170	2.5				
	47.6	142	30	29.40	4710	3.5				
	55.8	119	25	25.10	4430	4.0				
	69.7	93	20	20.10	4090	4.1				
	95.4	71	15	14.67	3730	4.2	SKM58B	90B5/B14	90S6	34
	15.1	432	60	59.55	6820	1.2				
	17.9	353	50	50.30	6370	1.4				
	22.3	294	40	40.29	6000	1.6				
	30.6	221	30	29.40	5460	2.3				
	35.9	184	25	25.10	5130	2.6				
44.8	145	20	20.10	4740	2.6	SKM28B	90B5/B14	90S4	31	
61.3	110	15	14.67	4330	2.7					
109.1	86	12.5	12.83	1770	1.5					
136.2	72	10	10.28	1670	1.4					
184	53	7.5	7.61	1510	1.5					
70.1	134	12.5	12.83	2050	0.97					SKM28B
87.5	112	10	10.28	1930	0.89					
118.4	83	7.5	7.61	1750	0.96					
47.6	209	30	29.40	2720	0.96	SKM38B	90B5/B14	90S4	32	
55.8	169	25	25.10	2530	1.1					
69.7	140	20	20.10	2380	1.1					
95.4	101	15	14.67	2130	1.1					
109.1	87	12.5	12.83	2030	2.1					
136.2	72	10	10.28	1910	2.1					
186.7	52	7.5	7.50	1710	2.1	SKM38B	90B5/B14	90L6	32	
70.1	136	12.5	12.83	2360	1.3					
87.5	113	10	10.28	2210	1.3					
120	82	7.5	7.50	1990	1.3	SKM48B	90B5/B14	90S4	33	
23.5	410	60	59.55	4660	0.85					
27.8	333	50	50.30	4340	1.1					
34.7	277	40	40.29	4080	1.1					
47.6	209	30	29.40	3720	1.7					
55.8	174	25	25.10	3500	1.7					
69.7	137	20	20.10	3230	1.8					
95.4	104	15	14.67	2950	1.9					
109.1	86	12.5	12.83	2770	3.5					
136.2	68	10	10.28	2550	3.5					
186.7	52	7.5	7.50	2330	3.9					



P _{1n}	n ₂	M _{2n}	i	i	F _{r2}	f _s			Page	
[kW]	[r/min]	[Nm]	公称 Nominal	实际 Actual	[N]					
1.1	30.6	325	30	29.40	4310	1.1	SKM48B	90B5/B14	90L6	33
	35.9	271	25	25.10	4050	1.1				
	44.8	213	20	20.10	3740	1.1				
	61.3	162	15	14.67	3410	1.2				
	70.1	134	12.5	12.83	3210	2.2				
	87.5	106	10	10.28	2960	2.3				
	120	80	7.5	7.50	2700	2.5				
	18.7	511	150	149.94	6390	0.98	SKM58C	80B5/B14	8022	34
	21.9	425	125	127.98	6010	1.1				
	27.3	335	100	102.50	5550	1.1				
	37.4	255	75	74.80	5070	1.2				
	23.5	408	60	59.55	5890	1.2	SKM58B	90B5/B14	90S4	34
	27.8	333	50	50.30	5500	1.5				
	34.7	277	40	40.29	5170	1.7				
	47.6	209	30	29.40	4710	2.4				
	55.8	174	25	25.10	4430	2.8	SKM58B	90B5/B14	90S4	34
	69.7	137	20	20.10	4090	2.8				
	95.4	104	15	14.67	3730	2.9				
	15.1	634	60	59.55	6820	0.79	SKM58B	90B5/B14	90L6	34
	17.9	517	50	50.30	6370	0.97				
	22.3	431	40	40.29	6000	1.1				
	30.6	325	30	29.40	5460	1.5				
	35.9	271	25	25.10	5130	1.8				
	44.8	213	20	20.10	4740	1.8				
	61.3	162	15	14.67	4330	1.9				
	70.1	134	12.5	12.83	4060	3.6				
	87.5	106	10	10.28	3750	3.6				
	120	80	7.5	7.50	3420	3.7				
1.5	109.1	117	12.5	12.83	1770	1.1	SKM28B	90B5/B14	90L4	31
	136.2	99	10	10.28	1670	1.0				
	184	73	7.5	7.61	1510	1.1				
	55.8	230	25	25.10	2530	0.8	SKM38B	90B5/B14	90L4	31
	69.7	191	20	20.10	2380	0.79				
	95.4	138	15	14.67	2130	0.80				
	109.1	119	12.5	12.83	2030	1.5				
	136.2	99	10	10.28	1910	1.5				
	186.7	72	7.5	7.50	1710	1.5				
	27.8	454	50	50.30	4340	0.77	SKM48B	90B5/B14	90L4	33
	34.7	378	40	40.29	4080	0.79				
	47.6	285	30	29.40	3720	1.2				
	55.8	237	25	25.10	3500	1.3				
	69.7	187	20	20.10	3230	1.3				
	95.4	142	15	14.67	2950	1.4				
	109.1	118	12.5	12.83	2770	2.6				
	136.2	93	10	10.28	2550	2.6				
	186.7	70	7.5	7.50	2330	2.8				



P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i 公称 Nominal	i 实际 Actual	F _{r2} [N]	f _s				Page
1.5	44 8	291	20	20.10	3740	0.83	SKM48B	100B5/B14	100L6	33
	61 3	221	15	14.67	3410	0.91				
	70 1	183	12.5	12.83	3210	1.6				
	87 5	144	10	10.28	2960	1.7				
	120	110	7.5	7.50	2700	1.8				
	11	580	125	127.98	6010	0.83	SKM58C	90B5/B14	90S2	34
	13 7	457	100	102.50	5550	0.83				
	18 7	347	75	74.80	5070	0.86				
	23 5	556	60	59.55	5890	0.90	SKM58B	90B5/B14	90L4	34
	27 8	454	50	50.30	5500	1.1				
	34 7	378	40	40.29	5170	1.3				
	47 6	285	30	29.40	4710	1.8				
	55 8	237	25	25.10	4430	2.0				
	69 7	187	20	20.10	4090	2.0				
	95 4	142	15	14.67	3730	2.1				
	109.1	118	12.5	12.83	3510	4.1				
	136.2	93	10	10.28	3240	4.1				
	186.7	70	7.5	7.50	2950	4.3				
	30 6	443	30	29.40	5460	1.1	SKM58B	100B5/B14	100L6	34
	35 9	369	25	25.10	5130	1.3				
	44 8	291	20	20.10	4740	1.3				
	61 3	221	15	14.67	4330	1.4				
	70 1	183	12.5	12.83	4060	2.6				
	87 5	144	10	10.28	3750	2.6				
	120	110	7.5	7.50	3420	2.7				
	47 6	418	30	29.40	3720	0.84	SKM48B	100B5/B14	100LA4	33
2.2	55 8	348	25	25.10	3500	0.86				
	69 7	274	20	20.10	3230	0.88				
	95 4	208	15	14.67	2950	0.96				
	109.1	172	12.5	12.83	2770	1.7				
	136.2	136	10	10.28	2550	1.8				
	186.7	103	7.5	7.50	2330	1.9				
	70 1	268	12.5	12.83	3210	1.1	SKM48B	112B5/B14	112M6	33
	87 5	211	10	10.28	2960	1.1				
	120	161	7.5	7.50	2700	1.2				
	34 7	554	40	40.29	5170	0.87	SKM58B	100B5/B14	100LA4	34
	47 6	418	30	29.40	4710	1.2				
	55 8	348	25	25.10	4430	1.4				
	69 7	274	20	20.10	4090	1.4				
	95 4	208	15	14.67	3730	1.4				
	109.1	172	12.5	12.83	3510	2.8				
	136.2	136	10	10.28	3240	2.8				
	186.7	103	7.5	7.50	2950	2.9				
	35 9	541	25	25.10	5130	0.89	SKM58B	112B5/B14	112M6	34
	44 8	426	20	20.10	4740	0.89				
	61 3	324	15	14.67	4330	0.93				
	70 1	268	12.5	12.83	4060	1.8				
	87 5	211	10	10.28	3750	1.8				
	120	161	7.5	7.50	3420	1.9				

P _{1n}	n ₂	M _{2n}	i 公称	i 实际	F _{r2}	f _s			Page	
[kW]	[r/min]	[Nm]	Nominal	Actual	[N]					
3	109.1	235	12.5	12.83	2770	1.3	SKM48B	100B5/B14	100LB4	33
	136.2	185	10	10.28	2550	1.3				
	186.7	141	7.5	7.50	2330	1.4				
	47.6	569	30	29.40	4710	0.88	SKM58B	100B5/B14	100LB4	34
	55.8	474	25	25.10	4430	1.0				
	69.7	374	20	20.10	4090	1.0				
	95.4	284	15	14.67	3730	1.1				
	109.1	235	12.5	12.83	3510	2.0				
	136.2	185	10	10.28	3240	2.1				
186.7	141	7.5	7.50	2950	2.1					
4	109.1	314	12.5	12.83	2770	0.96	SKM48B	112B5/B14	112M4	33
	136.2	247	10	10.28	2550	0.97				
	186.7	188	7.5	7.50	2330	1.1				
	109.1	314	12.5	12.83	3510	1.5	SKM58B	112B5/B14	112M4	34
	136.2	247	10	10.28	3240	1.5				
	186.7	188	7.5	7.50	2950	1.6				

SKM.. HS性能参数 / Performance parameter

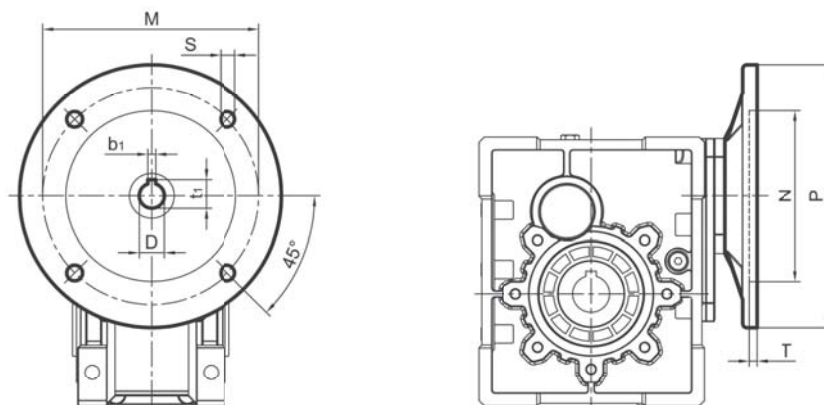
$n_1=1400\text{r/min}$

M ₂ max [Nm]	n ₂ [r/min]	i 公称 Nominal	i 实际 Actual	P _{1n} [kW]	F _{r2} [N]	F _{r1} [N]	 	Page ←→
130	4.6	300	303.19	0.07	4100	400	SKM28C..HS	35
130	5.5	250	256.09	0.09	4100	400		
130	6.8	200	205.11	0.11	4100	400		
130	9.2	150	151.82	0.14	4000	400		
130	11	125	127.76	0.18	3770	400		
100	13.7	100	102.32	0.16	3560	400		
80	18.5	75	75.74	0.17	3220	400		
130	23.5	60	59.55	0.35	2960	400	SKM28B..HS	35
130	27.8	50	50.30	0.42	2790	400		
130	34.7	40	40.29	0.52	2610	400		
130	46.9	30	29.82	0.71	2350	400		
130	55.8	25	25.10	0.86	2200	400		
100	69.7	20	20.10	0.79	2080	400		
80	94.1	15	14.88	0.85	1880	400		
130	109.1	12.5	12.83	1.7	1770	400		
100	136.2	10	10.28	1.5	1670	400		
80	184	7.5	7.61	1.6	1510	400		
200	4.6	300	302.36	0.11	4800	400	SKM38C..HS	35
200	5.5	250	255.39	0.13	4800	400		
180	6.8	200	204.54	0.15	4800	400		
200	9.4	150	149.26	0.21	4650	400		
180	11	125	127.41	0.24	4330	400		
150	13.7	100	102.04	0.24	4070	400		
110	18.8	75	74.46	0.24	3650	400		
200	23.5	60	59.55	0.53	3430	530	SKM38B..HS	35
200	27.8	50	50.30	0.65	3190	530		
180	34.7	40	40.29	0.73	2970	530		
200	47.6	30	29.40	1.1	2720	530		
180	55.8	25	25.10	1.2	2530	530		
150	69.7	20	20.10	1.2	2380	530		
110	95.4	15	14.67	1.2	2130	530		
180	109.1	12.5	12.83	2.3	2030	530		
150	136.2	10	10.28	2.3	1910	530		
110	186.7	7.5	7.50	2.3	1710	530		
350	4.6	300	302.72	0.19	6500	560	SKM48C..HS	35
350	5.5	250	255.69	0.24	6500	560		
300	6.8	200	204.78	0.24	6500	560		
350	9.3	150	149.44	0.38	6500	560		
300	11	125	127.56	0.39	5980	560		
240	13.7	100	102.16	0.39	5520	560		
200	18.7	75	74.55	0.43	5040	560		

M ₂ max [Nm]	n ₂ [r/min]	i 公称 Nominal	i 实际 Actual	P _{1n} [kW]	Fr ₂ [N]	Fr ₁ [N]	 	Page
350	23.5	60	59.55	0.94	4660	860	SKM48B..HS	35
350	27.8	50	50.30	1.2	4340	860		
300	34.7	40	40.29	1.2	4080	860		
350	47.6	30	29.40	1.8	3720	860		
300	55.8	25	25.10	1.9	3500	860		
240	69.7	20	20.10	1.9	3230	860		
200	95.4	15	14.67	2.1	2950	860		
300	109.1	12.5	12.83	3.8	2770	860		
240	136.2	10	10.28	3.9	2550	860		
200	186.7	7.5	7.50	4.3	2330	860		
500	4.6	300	303.73	0.27	8300	560	SKM58C..HS	35
500	5.5	250	256.55	0.34	8300	560		
480	6.8	200	205.47	0.39	8300	560		
500	9.3	150	149.94	0.54	8050	560		
480	11	125	127.98	0.62	7580	560		
380	13.7	100	102.50	0.62	7000	560		
300	18.7	75	74.80	0.65	6390	560		
500	23.5	60	59.55	1.3	5890	1260	SKM58B..HS	35
500	27.8	50	50.30	1.7	5500	1260		
480	34.7	40	40.29	1.9	5170	1260		
500	47.6	30	29.40	2.6	4710	1260		
480	55.8	25	25.10	3.0	4430	1260		
380	69.7	20	20.10	3.1	4090	1260		
300	95.4	15	14.67	3.2	3730	1260		
480	109.1	12.5	12.83	6.1	3510	1260		
380	136.2	10	10.28	6.2	3240	1260		
300	186.7	7.5	7.50	6.4	2950	1260		

输入尺寸图表 / INPUT SIZE DIAGRAM

SKM...IEC 输入法兰尺寸 / Input Flange Dimension

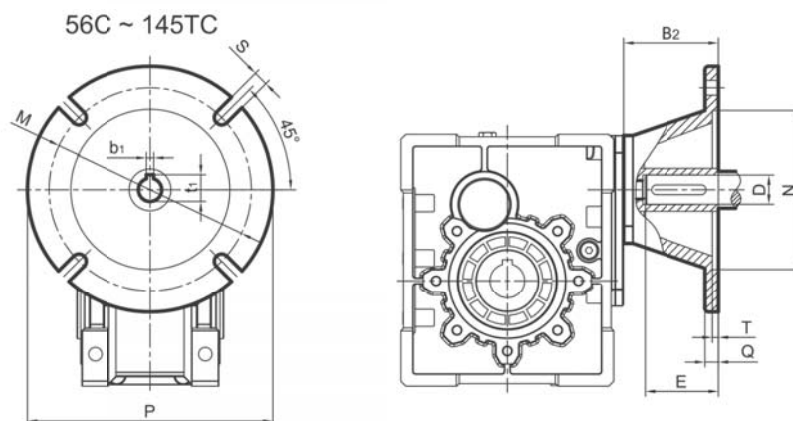


SKM	IEC接口						键槽/keyway		i(速比/ratio)																	
	PAM-IEC	N	M	P	S	T	b1	t1	7.5	10	12.5	15	20	25	30	40	50	60	75	100	125	150	200	250	300	
									D																	
									B									C								
28	63B5	95	115	140	9	4	4	12.8	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	71B5	110	130	160	9	5	5	16.3	14	14	14	14	14	14	14	14	14	14	14	14	14	-	-	-	-	
	71B14	70	85	105	7	5	5	16.3	14	14	14	14	14	14	14	14	14	14	14	14	14	-	-	-	-	
	80B5	130	165	200	11	5	6	21.8	19	19	19	19	19	19	19	19	19	19	19	-	-	-	-	-	-	
	80B14	80	100	120	7	5	6	21.8	19	19	19	19	19	19	19	19	19	19	19	-	-	-	-	-	-	
	90B5	130	165	200	11	5	8	27.3	24	24	24	24	24	24	24	24	-	-	-	-	-	-	-	-	-	
	90B14	95	115	140	9	5	8	27.3	24	24	24	24	24	24	24	24	-	-	-	-	-	-	-	-	-	
38	63B5	95	115	140	9	4	4	12.8	-	-	-	-	-	-	11	11	11	11	11	11	11	11	11	11	11	
	71B5	110	130	160	9	5	5	16.3	-	-	-	14	14	14	14	14	14	14	14	14	14	14	-	-	-	
	71B14	70	85	105	7	5	5	16.3	-	-	-	14	14	14	14	14	14	14	14	14	14	14	-	-	-	
	80B5	130	165	200	11	5	6	21.8	19	19	19	19	19	19	19	19	19	19	19	-	-	-	-	-	-	
	80B14	80	100	120	7	5	6	21.8	19	19	19	19	19	19	19	19	19	19	19	-	-	-	-	-	-	
	90B5	130	165	200	11	5	8	27.3	24	24	24	24	24	24	24	24	24	24	-	-	-	-	-	-	-	
	90B14	95	115	140	9	5	8	27.3	24	24	24	24	24	24	24	24	24	-	-	-	-	-	-	-	-	
48	63B5	95	115	140	9	4	4	12.8	-	-	-	-	-	-	-	-	-	-	11	11	11	11	11	11	11	
	71B5	110	130	160	9	5	5	16.3	-	-	-	-	-	-	-	14	14	14	14	14	14	14	14	14	14	
	80B5	130	165	200	11	5	6	21.8	-	-	-	19	19	19	19	19	19	19	19	19	19	19	-	-	-	
	80B14	80	100	120	7	5	6	21.8	-	-	-	19	19	19	19	19	19	19	19	19	19	19	-	-	-	
	90B5	130	165	200	11	5	8	27.3	24	24	24	24	24	24	24	24	24	24	-	-	-	-	-	-	-	
	90B14	95	115	140	9	5	8	27.3	24	24	24	24	24	24	24	24	24	24	-	-	-	-	-	-	-	
	100/112B5	180	215	250	13	5	8	31.3	28	28	28	28	28	28	28/-	28/-	-	-	-	-	-	-	-	-	-	
	100/112B14	110	130	160	9	5	8	31.3	28	28	28	28	28	28	28	28/-	28/-	-	-	-	-	-	-	-	-	
58	63B5	95	115	140	9	4	4	12.8	-	-	-	-	-	-	-	-	-	-	11	11	11	11	11	11	11	
	71B5	110	130	160	9	5	5	16.3	-	-	-	-	-	-	-	-	14	14	14	14	14	14	14	14	14	
	80B5	130	165	200	11	5	6	21.8	-	-	-	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
	80B14	80	100	120	7	5	6	21.8	-	-	-	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
	90B5	130	165	200	11	5	8	27.3	24	24	24	24	24	24	24	24	24	24	-	-	-	-	-	-	-	
	90B14	95	115	140	9	5	8	27.3	24	24	24	24	24	24	24	24	24	24	-	-	-	-	-	-	-	
	100/112B5	180	215	250	13	5	8	31.3	28	28	28	28	28	28	28	28	28/-	28/-	-	-	-	-	-	-	-	
	100/112B14	110	130	160	9	5	8	31.3	28	28	28	28	28	28	28	28	28/-	28/-	-	-	-	-	-	-	-	

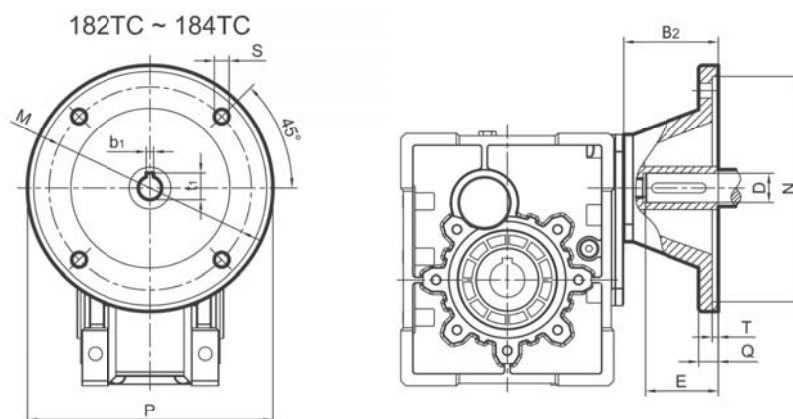
输入尺寸图表 / INPUT SIZE DIAGRAM

SKM..NEMA输入法兰尺寸 / Input Flange Dimension

56C-145TC



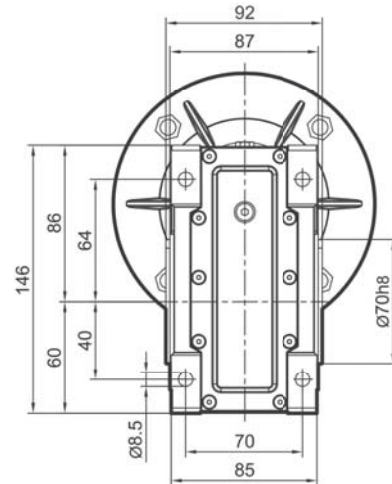
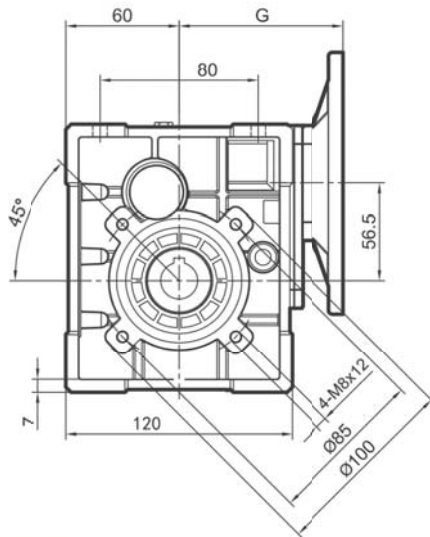
182TC-184TC



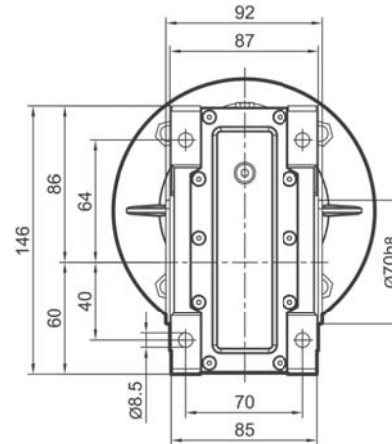
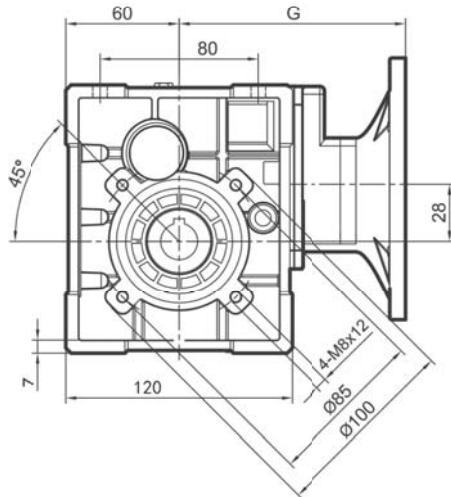
SKM	NEMA Flange	B ₂	D	E	b ₁	t ₁	M	N	P	Q	S	T
SKM28	56C	2.953	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
SKM38	56C	2.953	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
	143TC	2.953	0.875	2.12	0.188	0.963	5.875	4.5	6.5	0.433	0.413	0.177
	145TC											
SKM48 SKM58	56C	3.228	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
	143TC	3.228	0.875	2.12	0.188	0.963	5.875	4.5	6.5	0.433	0.413	0.177
	145TC											
	182TC 184TC	3.937	1.125	2.62	0.250	1.240	7.250	8.5	9.0	0.472	0.551	0.197

外形尺寸图表 / OUTLINE DIMENSION SHEET

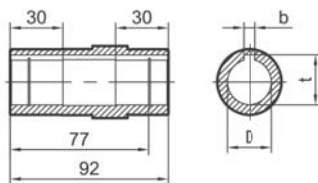
SKM28..B..IEC



SKM28..C..IEC



输出孔/Output hole



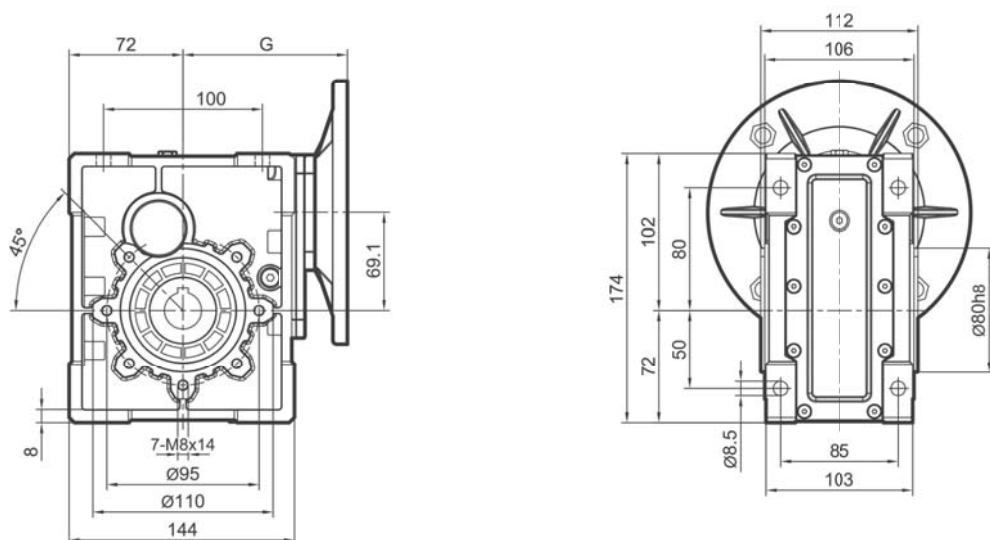
IEC	SKM	G
63B5	28B	101.5
	28C	119.5
71B5/B14	28B	102.5
	28C	120.5
80B5/B14	28B	122.5
90B5/B14	28B	122.5

DH8	b	t
20*	6	22.8
25	8	28.3
*非标孔, 订单时请说明。 *Only on request		

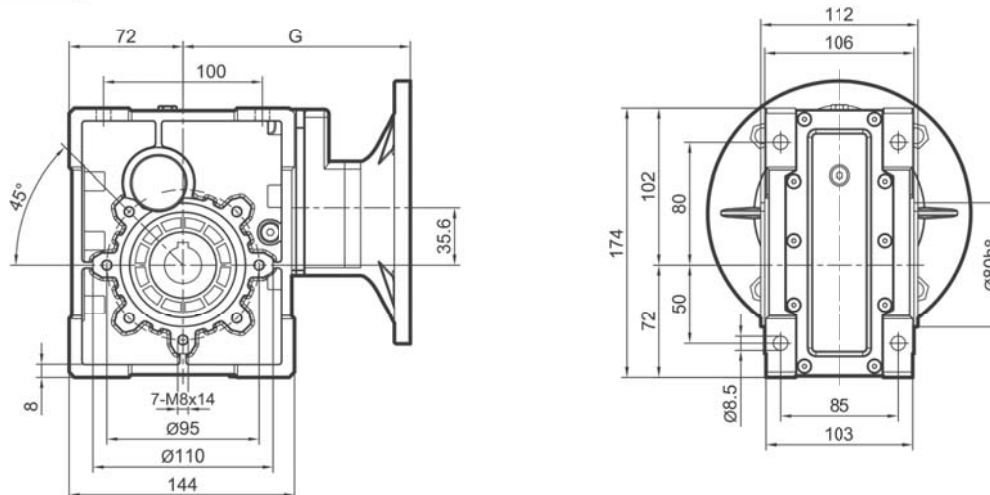
SKM	Kg(重量)
28B	4.2
28C	5
不包括马达 Weight without motor	

外形尺寸图表 / OUTLINE DIMENSION SHEET

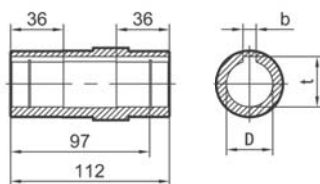
SKM38..B..IEC



SKM38..C..IEC



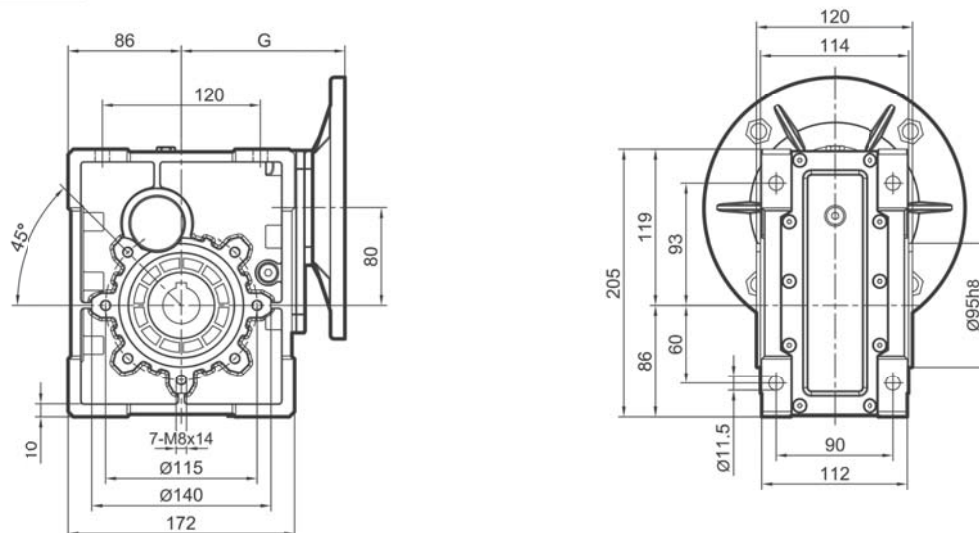
输出孔/Output hole



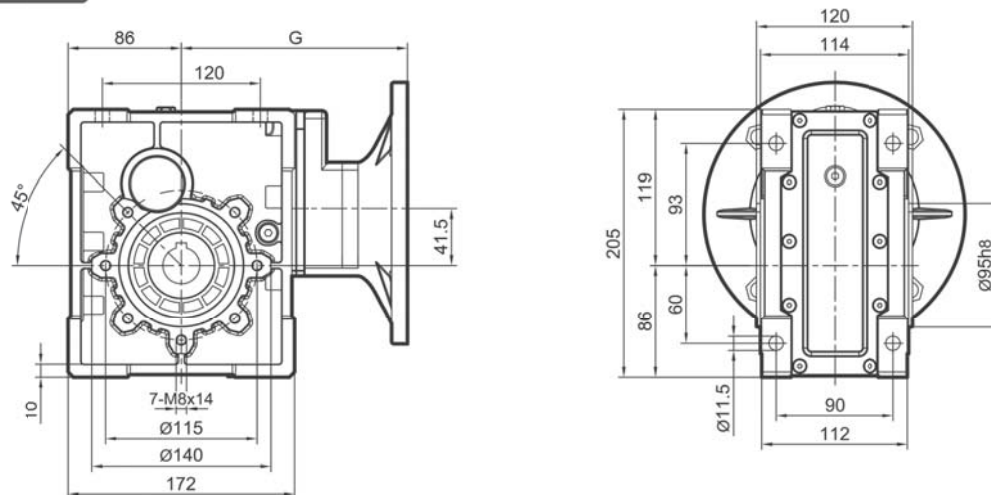
IEC	SKM	G	DH8			SKM	Kg(重量)
63B5	38B	112.5	25	8	28.3	38B	6.0
	38C	137.5	28*	8	31.3	38C	6.8
71B5/B14	38B	119.5	*非标孔，订单时请说明。 *Only on request			不包括马达 Weight without motor	
	38C	144.5					
80B5/B14	38B	139.5					
	38C	164.5					
90B5/B14	38B	139.5					

外形尺寸图表 / OUTLINE DIMENSION SHEET

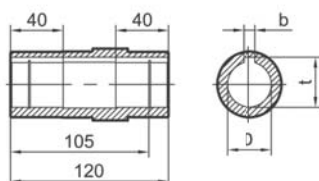
SKM48..B..IEC



SKM48..C..IEC



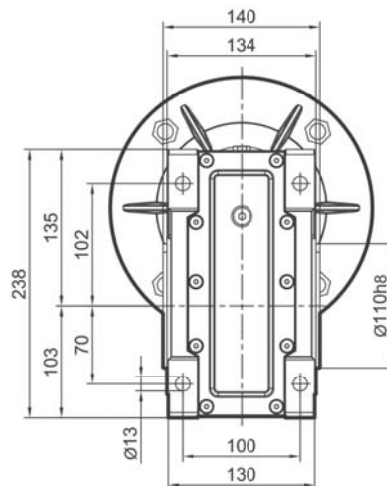
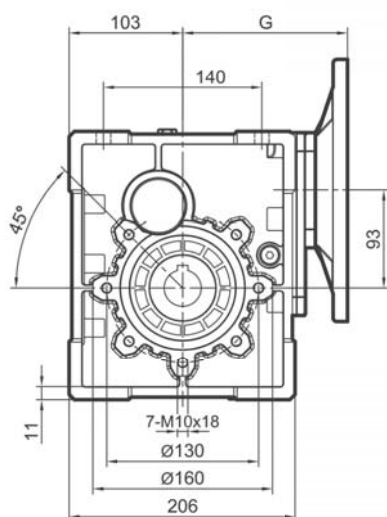
输出孔/Output hole



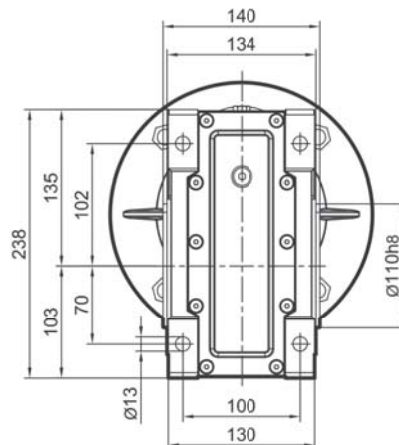
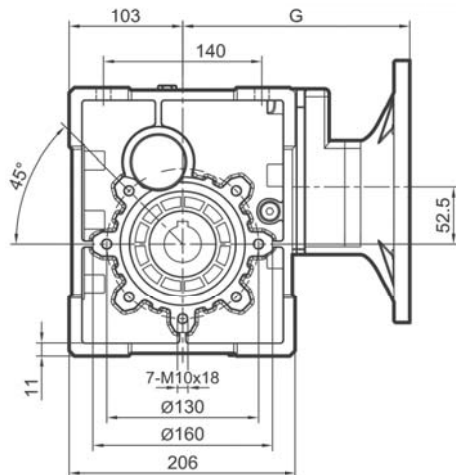
IEC	SKM	G	D _{H8}	b	t	SKM	Kg(重量)
63B5	48C	154	28	8	31.3	48B	9.2
71B5	48B	161	30*	8	33.3	48C	10.8
	48C	191	35*	10	38.3		
80B5/B14	48B	151	*非标孔, 订单时请说明。 *Only on request			不包括马达 Weight without motor	
	48C	181					
90B5/B14	48B	151					
	48C	181					
100/112B5	48B	161					
100/112B14	48B	161					

外形尺寸图表 / OUTLINE DIMENSION SHEET

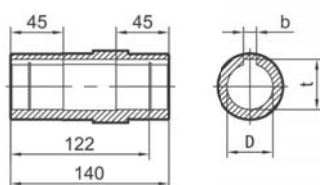
SKM58..B..IEC



SKM58..C..IEC



输出孔/Output hole

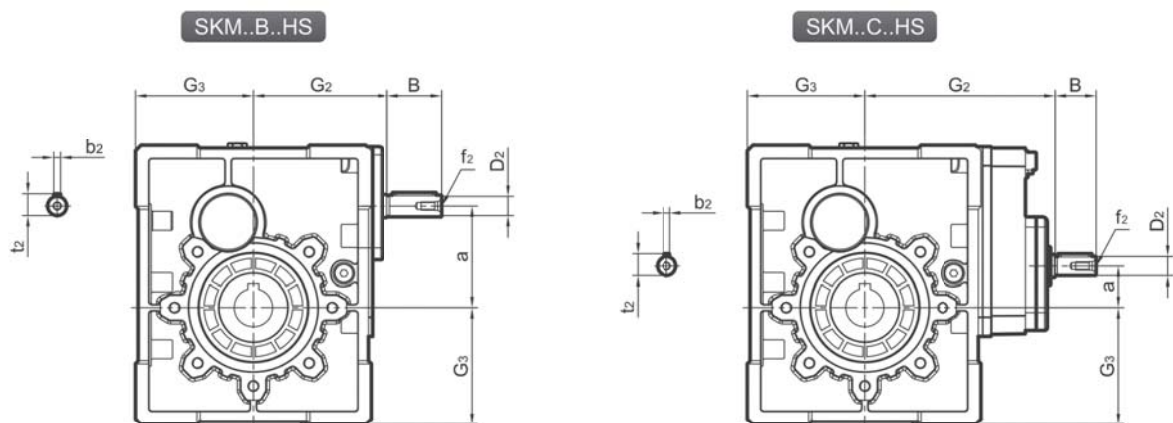


IEC	SKM	G
63B5	58C	176.5
71B5	58B	174
	58C	213.5
80B5/B14	58B	164
	58C	203.5
90B5/B14	58B	164
	58C	203.5
100/112B5	58B	174
100/112B14	58B	174

D _{H8}	b	t
35	10	38.3
38*	10	41.3
*非标孔, 订单时请说明。 *Only on request		

SKM	Kg(重量)
58B	13.3
58C	14.8
不包括马达 Weight without motor	

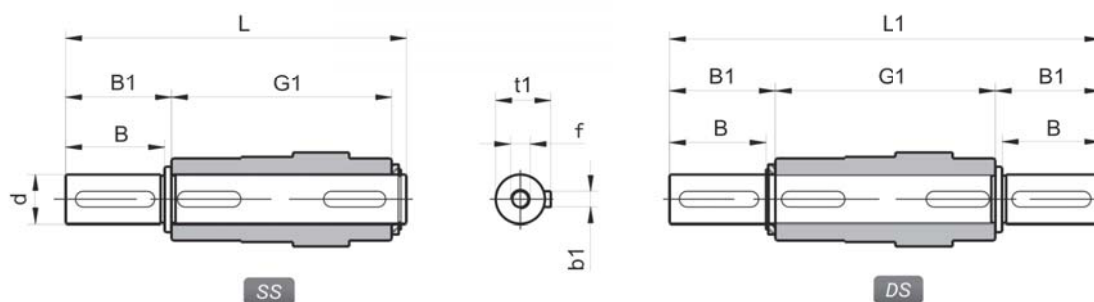
外形尺寸图表 / OUTLINE DIMENSION SHEET



SKM	B	D _{2/6}	G ₂	G ₃	a	b ₂	t ₂	f ₂
28B	23	11	70	60	56.5	4	12.5	—
28C	23	11	88	60	28	4	12.5	—
38B	30	14	85	72	69.1	5	16	M6
38C	23	11	110	72	35.6	4	12.5	—
48B	40	16	99	86	80	5	18	M6
48C	30	14	129	86	41.5	5	16	M6
58B	40	19	112	103	93	6	21.5	M6
58C	30	14	152	103	52.5	5	16	M6

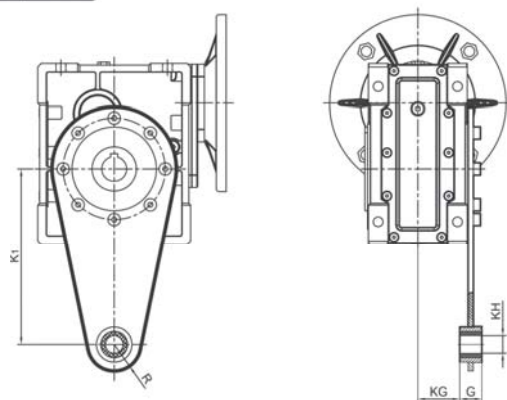
附件尺寸图表 / ACCESSORIES DIMENSION SHEET

输出轴/Output Shafts



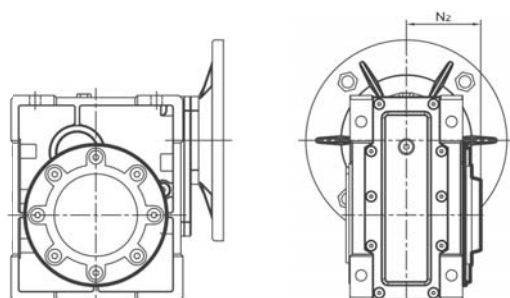
SKM	d_{h6}	B	B ₁	G ₁	L	L ₁	f	b ₁	t ₁
28	25	50	53.5	92	153	199	M10×27	8	28
38	25	50	53.5	112	173	219	M10×27	8	28
48	28	60	63.5	120	192	247	M10×27	8	31
58	35	80	84.5	140	234	309	M12×34	10	38

扭力臂/Torque Arm



SKM	K1	G	KG	KH	R
28	100	14	38.5	10	18
38	150	14	49	10	18
48	200	25	47.5	20	30
58	200	25	57.5	20	30

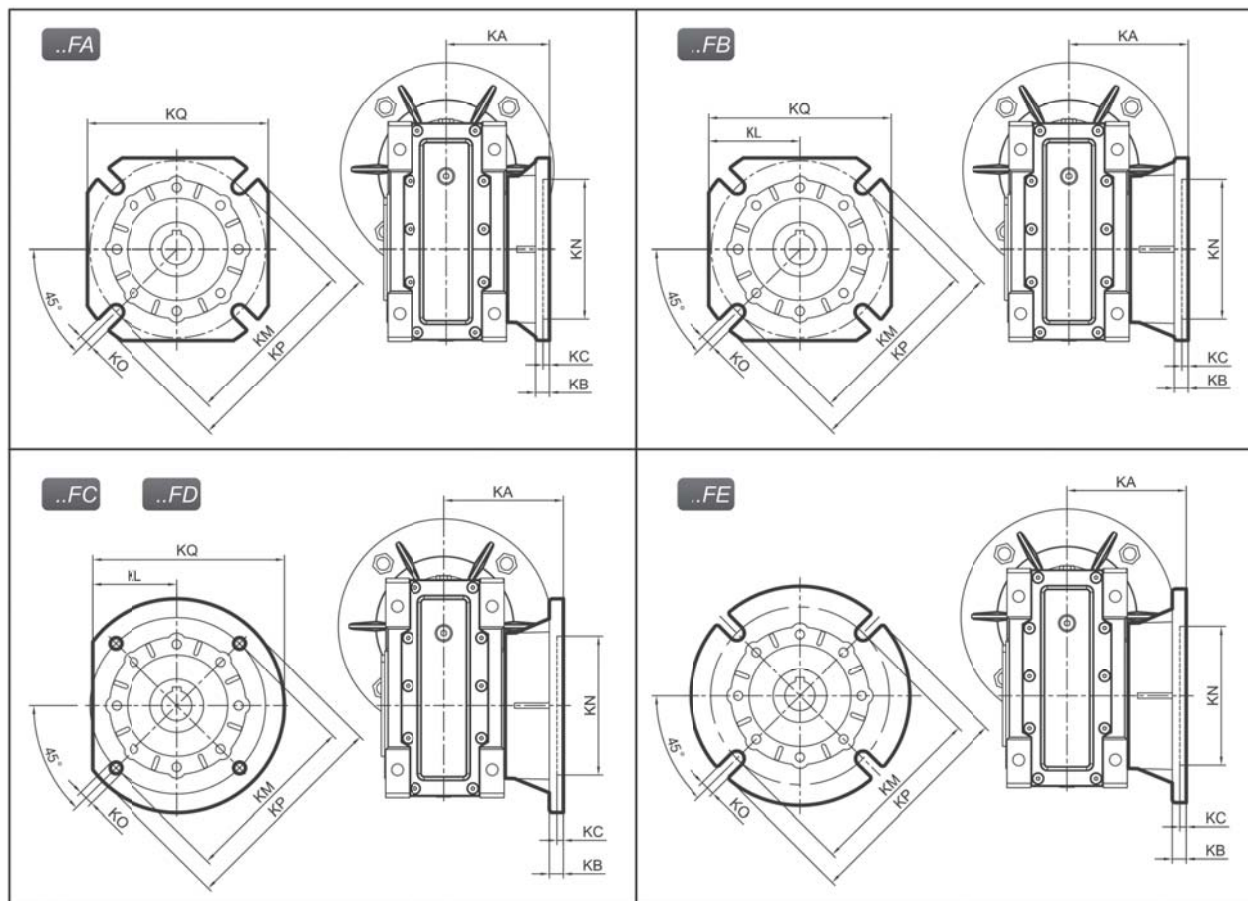
防尘盖/Cover



SKM	N2
28	58
38	69
48	74
58	85

附件尺寸图表 / ACCESSORIES DIMENSION SHEET

输出法兰 / Output flange



SKM	FA							
	KA	KB	KC	KM	KN _{H8}	KO	KP	KQ
28	90	9	5	85	70	11(n=4)	125	110
38	32	10	6	150	115	11(n=4)	180	142
48	111	13	6	165	130	14(n=4)	200	170
58	111	13	6	175	152	14(n=4)	210	200

SKM	FB							
	KA	KB	KC	KM	KN _{H8}	KO	KP	KQ
28	120	9	5	85	70	11(n=4)	125	110
38	112	10	6	150	115	11(n=4)	180	142
48	90	13	6	130	110	11(n=4)	160	-
58	122	18	6	215	180	14(n=4)	250	105

SKM	FC							
	KA	KB	KC	KM	KN _{H8}	KO	KP	KQ
28	89	10	5	130	110	9(n=4)	160	-
38	98	10	5	165	130	11(n=4)	200	-
58	110	17	6	165	130	11(n=4)	200	-

SKM	FD							
	KA	KB	KC	KM	KN _{H8}	KO	KP	KQ
28	72	14.5	5	115	95	11(n=4)	140	-
38	107	10	5	165	130	11(n=4)	200	-
58	151	13	6	175	152	14(n=4)	210	200

SKM	FE						
	KA	KB	KC	KM	KN _{H8}	KO	KP
38	80.5	16.5	5	130	110	11(n=4)	160

* 当KQ不存在时，说明法兰为圆形。

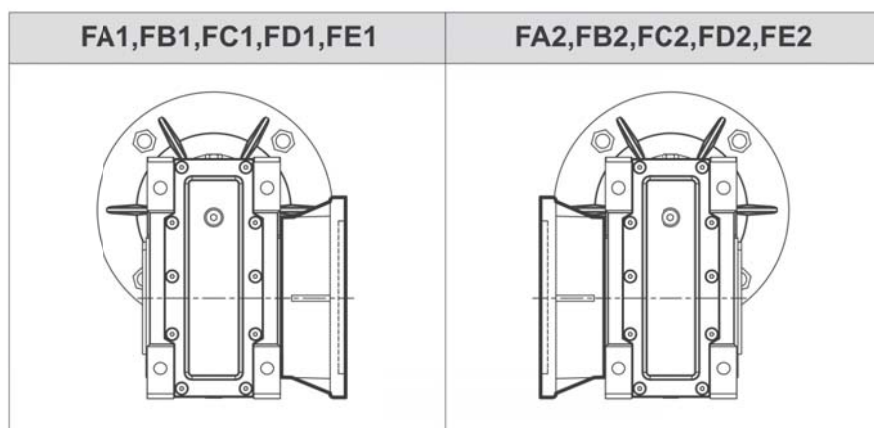
* If KQ isn't existing, the flange is circular.

* 当KL存在时，说明法兰为圆形且切边。

* If KL is existing, the flange isn't completely circular.

安装方位图 / INSTALLATION POSITIONS DIAGRAM

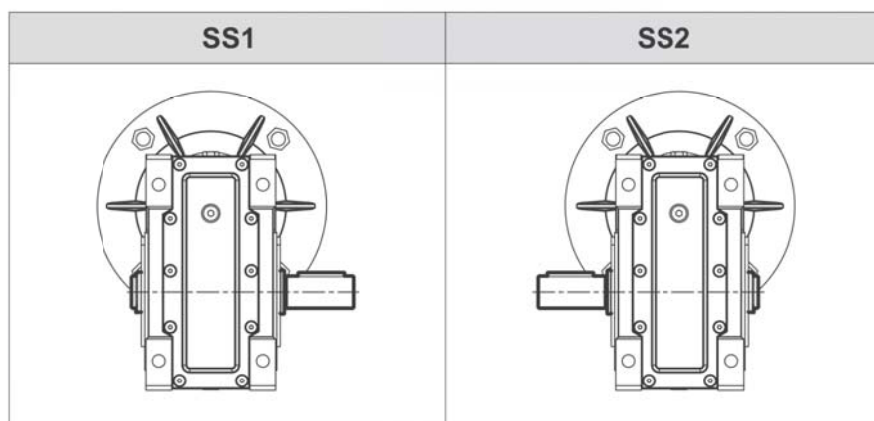
输出法兰位置 / Position diagram for output flange



如果没有特殊要求，一般按出厂标准位置如图F..1方式和B3位置提供。

Unless specified otherwise, the gear units is supplied with the flange in pos. **F..1** referred to position **B3**.

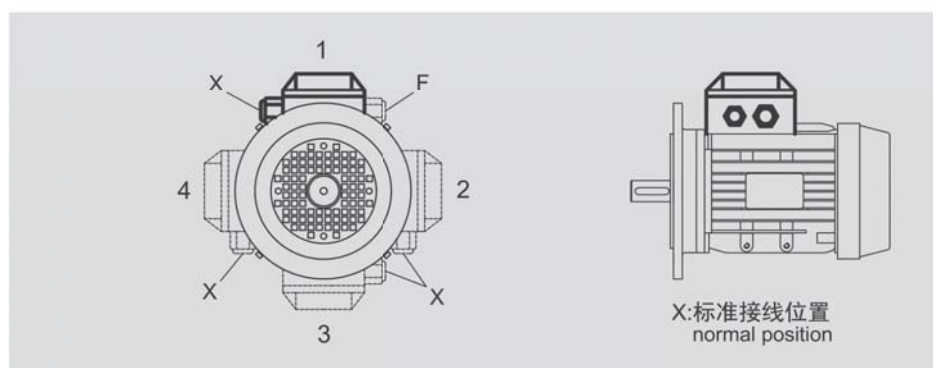
单向输出轴位置 / Position diagram for single output shaft






如果没有特殊要求，一般按出厂标准位置如图SS1方式和B3位置提供。

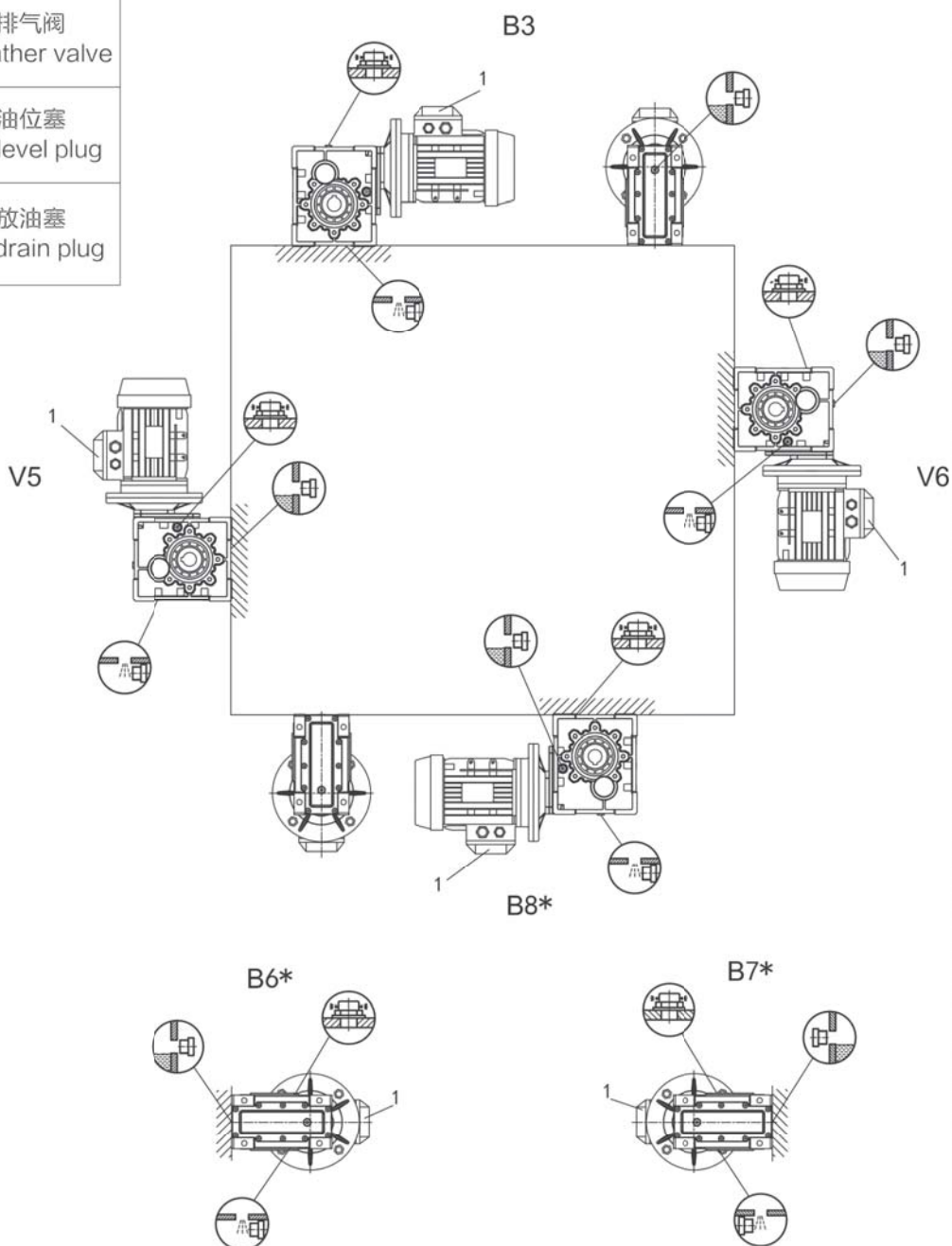
Unless specified otherwise, the gear units is supplied with the flange in pos. **SS1** referred to position **B3**.

电机接线盒方位/Position of motor terminal box



安装方位图 / INSTALLATION POSITIONS DIAGRAM

符号/Symbol	含义/Meaning
	排气阀 Breather valve
	油位塞 Oil level plug
	放油塞 Oil drain plug

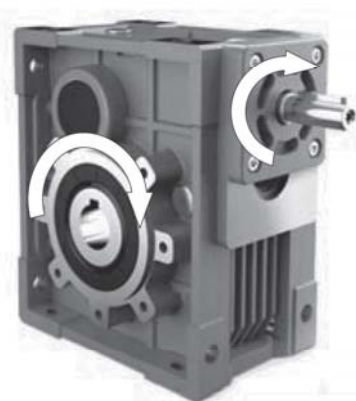


* 表示在此安装方式，不能仅凭油位塞加注润滑油，油位需高出油位塞，加注量按表内所示。

* It means the lubricant can't be added according to the oil level line plug, but also higher the plug to fill quantity as shown in the table.

安装方位图 / INSTALLATION POSITIONS DIAGRAM

旋转方向 / Direction of rotation



SKM..B..HS



SKM..C..HS

减速机在使用时，电机可正反转输入使用，推荐使用上图所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, the left chart is recommended.

安装 / INSTALLATION

注意事项 / Matters needing attention

安装减速机时要注意以下一些事项：

1. 减速机与机械设备装配之前，要检查减速机输出轴的旋转方向是否正确；
2. 减速机与原动机、设备装配之前，应检查各轴径、孔径、键和键槽的偏差尺寸，避免装配过紧、过松影响减速机性能；
3. 减速机必须牢固地安装在机械设备上，避免有松动或振动；
4. 尽可能地避免减速机暴露在烈日阳光下和恶劣环境中；
5. 如果减速机存放时间长达4-6个月，应检查油封是否浸润在润滑油中，可能油封唇口会粘在轴上，甚至失去了弹性，由于适合的弹性是油封必须的工作条件，所以推荐更换油封；
6. 所有橡胶件和透气孔不能沾有油漆；
7. 与减速机的空心轴或实心轴配合连接时，应在轴上配合部分涂上润滑油，以免卡死或氧化；
8. 使用时必须检查油位（如油位镜孔或打开油塞，小型号是没有的）；
9. 使用新减速机时，不能满负载起动，应该逐步增大负载；
10. 使用各类电机直连型减速机时，若电机重量偏大，应设支撑装置；
11. 确保电机风扇附近有良好的通风环境，以免影响散热效果；
12. 减速机的标准工作环境温度是-5℃至40℃，如果不在这范围时，请与我们技术服务人员联系。

To install the gear units it is necessary to note the following recommendations:

1. Check the correct direction of rotation of the gear units output shaft before fitting the unit to the machine.
2. Before mount with the prime mover and device, please check the reducer's every axial diameter, aperture, key and not key and key slot, to be sure their dimensions are not deviation, and avoid assembling too tight or too loose, unless it will influence the reducer's performance.
3. The mounting on the machine must be stable to avoid any vibration.
4. Whenever possible, protect the gear units against solar radiation and bad weather.
5. In the case of particularly lengthy periods of storage (4-6 months), if the oil seal is not immersed in the lubricant inside the unit, it is recommended to change it since the rubber could stick to the shaft or may even have lost the elasticity it needs to function properly.
6. Painting must definitely not go over rubber parts and the holes on the breather plugs, if any.
7. When connect with hollow or solid shaft, please grease the joint to avoid lock or oxidation.
8. Check the correct level of the lubricant through the indicator, if there is one.
9. Starting must take place gradually, without immediately applying the maximum load.
10. Supporting unit is required when using various of reducer matched with motor directly and the weight of motor is a little bigger than common.
11. Ensure the motor cools correctly by assuring good passage of air from the fan side.
12. In the case of ambient temperatures $< -5^{\circ}\text{C}$ or $> +40^{\circ}\text{C}$ call the Technical Service.

安装 / INSTALLATION

使用限制/Critical applications

这本样本给出的参数基本上是按B3安装方位来编的，即第一级没有完全浸入油中。对于其他安装方位和输入转速，请参考下面表格中相应参数。当遇到下列应用情况时，如有必要请与我们技术服务人员联系。

1. 在原有上提高转速时；
2. 应用在惯性特别大的设备上时；
3. 应用在如升降机（需要自锁考虑）时；
4. 当减速机出现故障有可能会对操作者造成危害时；
5. 应用在减速机过度疲劳状态时；
6. 工作环境温度低于-5℃或高于40℃时；
7. 在化学腐蚀环境中使用时；
8. 在盐性环境中使用时；
9. 在辐射性高的环境中使用时；
10. 在环境气压不在正常大气压力下使用时；
11. 安装方位在这样本中没有被提到时。

避免把减速机部分或整台浸入水中或其他液体中。

减速机承受的最大负载扭矩不能超过两倍于性能参数表中规定的正常扭矩（当使用系数 $f_s=1$ 时）；这里最大负载扭矩是指承受瞬间短暂的过载，他出现在过载启动、刹车、振动或其他动态操作环境中。

1. As a speed increasing;
2. Applications with especially high inertia;
3. Use as a lifting winch;
4. Use in services that could be hazardous for people if the reduction unit fails.
5. Applications with high dynamic strain on the case of the reduction unit.
6. In places with T° under -5° or over 40° .
7. Use in chemically aggressive environments.
8. Use in a salty environment.
9. Use in radioactive environments.
10. Use in environments pressures other than atmospheric pressure.
11. Mounting positions not envisaged in the catalogue.

Avoid applications where even partial immersion of the reduction unit is required.

The maximum torque that the gear reducer can support must not exceed two times the nominal torque ($f_s=1$) stated in the performance tables. Intended for momentary overloads due to starting at full load, braking, shocks or other causes, particularly those are dynamic.

润滑油 / LUBRICATION

润滑油型号 / Types of lubrication

	环境温度(°C) Ambient Temperature(°C) 	ISO粘度 ISO Viscosity Class	 SHELL	Mobil MOBIL	 BP	润滑油类型 Lubrication type
SKM	-10 ~ +40	VG220	Shell Omala 220	Mobil gear 630	BP Energol GX-XP 220	矿物油 Mineral oil
	-20 ~ +25	VG150 VG100	Shell Omala 100	Mobil gear 627	BP Energol GX-XP 100	
	-30 ~ +10	VG68-46 VG32	Shell Omala T32	Mobil D.T.E.13M		
	-40 ~ -20	VG22 VG15	Shell Omala T15	Mobil D.T.E.11M	BP Energol HLP-HM 15	
	-40 ~ +80	VG220	Shell Omala HD220	Mobil SHC630		合成油 Synthetic oil
	-40 ~ +40	VG150		Mobil SHC629		
	-40 ~ +10	VG32		Mobil SHC624		

润滑油加注量/Lubricant fill quantity

减速机型号 Gear units		加注量 Fill quantity in liters				单位：升 (L)	
		B3	B6	B7	B8	V5	V6
SKM	SKM28B	0.22	0.20*	0.13*	0.15	0.25	0.14
	SKM28C#	0.07	0.04	0.04	0.05	0.08	0.09
	SKM38B	0.42	0.35*	0.24*	0.22	0.46	0.25
	SKM38C#	0.07	0.04	0.04	0.05	0.08	0.09
	SKM48B	0.70	0.58*	0.42*	0.42	0.75	0.45
	SKM48C#	0.13	0.09	0.09	0.09	0.15	0.17
	SKM58B	1.21	0.95*	0.72*	0.67	1.30	0.74
	SKM58C#	0.13	0.09	0.09	0.09	0.15	0.17

规定的加注量为参考值。精准值的变化与级数和传动比有关。请您在加注润滑油时一定要注意油位螺栓所指示的精确油量。后期调整安装方式时，您必须根据改变后的安装方式相应调整加注润滑剂。下表中列出了不同安装方式（B3、B6、B7.....）的减速机相应的标准参考润滑油注入量值。

The specified fill quantities are recommended values. The precise values vary depending on the number of stages and gear ratio. When filling, it is essential to check the oil level plug since it indicates the precise oil capacity. The following tables show guide values for lubricant fill quantities in relation to the mounting position (B3、B6、B7.....)

#：采用3级传动减速机时，各自加注3级箱体和2级箱体的润滑油，润滑油互不相通，表中的加注量为3级箱体润滑油加注量。
#： Means the oil quantity in the 3rd stage housing, as this one is separated from the 2nd housing, please fill them separately while in 3 stages.

*：表示在此安装方式，不能仅凭油位塞加注润滑油，油位需高出油位塞，加注量按表中所示。

*： It means the lubricant can't be according to the oil level line plug, but also higher the plug the fill quantity as shown in the table.

维护 / MAINTENANCE

1) 对于齿轮箱,首次换油必须在工作大约300小时(齿轮磨合期)后进行,在换油时应使用合适的清洗剂小心的冲洗齿轮箱,不得将矿物油和合成油混合。

2) 每3000工作小时,最低程度半年,应检测油以及油位,有密封不严引起滴漏的常规检测,若是IEC输入的减速机,则检测检查弹性体,必要时进行更换。

3) 格局不同的工作条件(见下图)而定,最长每三年检测一次,更换矿物油,更换轴承润滑油脂。

4) 根据不同的工作条件而定,更换输出轴上的油封。

5) 产品出现故障时,不要拆卸部件,与本公司销售服务部门联系(需提供减速机规格、出厂日期、编号、已使用时间、主机名称、主机生产单位和故障类型)后,再采取合理的措施。

1) For gear units,first oil change should be after about 300 hours (run-in period).The right lotion is required to clean the gear units with care.Never mix the synthetic oil and mineral oil together.

2) Every 3000 working time,at least every 6 months,you have to check the oil and oil level,the seals visually for leakage.For IEC input gear units,the elastomer should be tested or replaced if necessary.

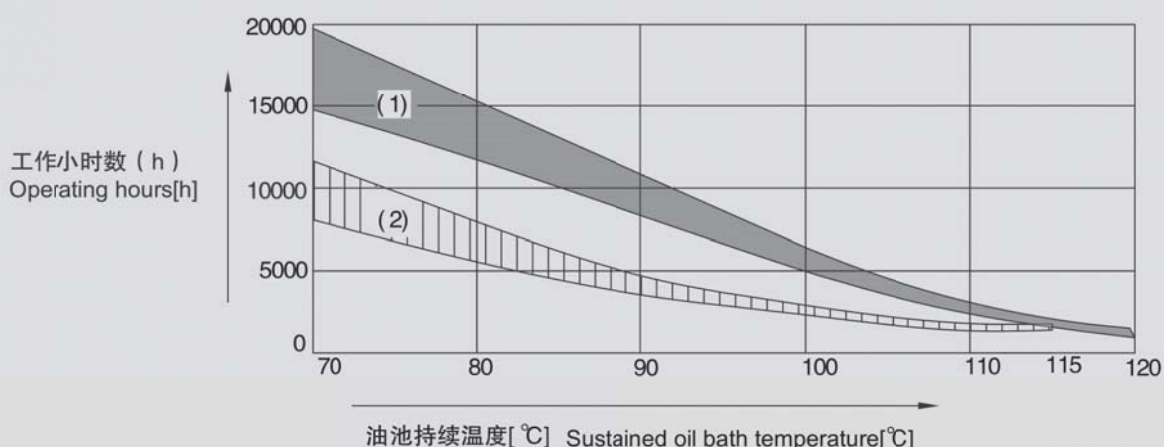
3) Depending on the operating conditions(see chart below),every 3 years at the latest for inspection is needed.Then change the mineral oil and replace the bearing grease.

4) Depending on the operating conditions,change the oil seals on output shaft.

5) Once the malfunctions appear,stop disassembling the parts,and firstly please contact the customer service (the information about specification,delivery date,series number,time used,name of machine,machine manufacturer,malfunction problems is required), then take the reasonable measures.

适用于正常环境条件下标准减速机的更换时间间隔

Oil change intervals for standard gear units under normal environmental conditions



● 每种机油类型的平均值为70°C / Average value per oil type at 70°C

(1) 合成油 / Synthetic oil

(2) 矿物油 / Mineral oil

维护 / MAINTENANCE

存放 / Storage

1. 有顶棚，防雨雪，无振动。
2. 在设备和地面之间垫放木块或其他材料。
3. 开箱后暂不使用的减速机在其加工表面涂上防锈油，并应及时放回包装箱内。
4. 在定期检查的情况下，两年以及更长时间。在进行检查时，应检查清洁度和机械损伤，检查防锈层是否完好。

-
1. Under roof"protected against rain and snow"no shock loads.
 2. Underlay the block and other material between the ground and equipment.
 3. The opened but not used gear units should be added with the anti-corrosive oil on its surface,and then return to the packing containers timesly.
 4. Two years or more given regular inspections.Check for cleanliness and mechanical damage as part of the inspection,Check corrosion protection.

定货须知 / NOTICE FOR ORDER

减速机订单请向我们提供以下信息：

1. 减速机型号标记（减速机类型、速比、功率和安装方式）。
2. 减速机表面喷涂颜色，一般按银白色提供。
3. 订购数量。
4. 其他特殊要求。

单位名称、联系人、联系电话。

Please offer the following information when place the orders:

1. The model mark of the gear uniis(type, ratio, power and mounting position).
 2. Generally the gear units paint in silver.
 3. Quantity ordered.
 4. Qther special requirements.
- Company, contact and telephone.

减速机运转故障 / GEAR UNIT MALFUNCTIONS

故障 Problem	可能的原因 Possible cause	解决方法 Remedy
异常、均匀的运转噪声 Unusual, regular running noise	A. 滚动/碾压噪声: 轴承损坏 B. 冲击型噪声: 齿轮啮合不均匀 A. Meshing/grinding noise Bearing damage. B. Knocking noise: Irregularity in the gearing	A. 检测润滑油, 更换轴承 B. 请向客户服务部咨询 A. Check the oil, change bearings B. Contact customer service
异常、不均匀的运转噪声 Unusual, irregular running noise	机油中有异物 Foreign bodies in the oil	A. 检测润滑 B. 停止运转传动装置, 向客户服务部咨询 A. Check the oil B. Stop the drive, contact customer service
机油泄漏 A. 在减速机盖上 B. 在电机凸缘上 C. 在电机轴密封圈上 D. 在减速机凸缘上 F. 在输出端轴密封圈上 Oil leaking A. From the gear cover plate B. From the motor flange C. From the motor oil seal D. From the gear unit flange F. From the output end oil seal	A. 减速机底座上的橡胶密封发生渗漏 B. 密封圈损坏 C. 减速机没有排气 A. Rubber seal on the gear cover plate leaking B. Seal defective C. Gear unit not vented	A. 拧紧各个外盖上的螺钉并且观察减速机。如果机油继续泄露, 请向客户服务部咨询 B. 请向客户服务部咨询 C. 给减速机排气(参见"安装方式") A. Tighten the bolts on the gear cover plate and observe the gear unit. Oil still leaking: Contact customer service B. Contact customer service C. Vent the gear unit (see "Mounting Positions")
机油从排气阀门旁渗出 Oil leaking from breather valve	A. 机油太多 B. 传动装置安装方式错误 C. 频繁冷启动(机油起泡沫)和/或者较高的油位 A. Too much oil B. Drive operated in incorrect mounting position C. Frequent cold starts (oil foams) and/or high oil level	A. 修正油量(参见"润滑油") B. 正确安装排气阀并且矫正油位(参见"安装方式") A. Correct the oil level ("see Sec. Inspection and Maintenance") B. Mount the breather valve correctly (see Sec. "Mounting Positions") and correct the oil level (see "Lubricants")
尽管电机在运转或者传动轴已经被驱动, 但是传动轴不转动 Oil leaking from breather valve	减速机中的轴轮毅联接断裂 Connection between shaft and hub in gear unit interrupted	将减速机或减速电机送修 Send in the gear unit/gearmotor for repair

- 在磨合试运转阶段(24小时的运转时间内), 轴密封圈有可能出现短期内的漏油/油脂的现象
Short-term oil/grease leakage at the oil seal is possible in the run-in phase (24 hours running time)

减速机负载特征表(参考件) / MCHARGE CHARACTERISTIC CHART(FOR REFERENCE)

风机类 AIR BLOWERS		转臂式起重传动齿轮装置 Bracket swing gear assembly	B
风机 (轴向和径向) Air blower (axial or radial)	A	吊杆起落齿轮传动装置 Derrick gear assembly	B
冷却塔风扇 Fan of cooling tower	B	转向齿轮传动装置 Steering gear assembly	B
引风机 Induced draught fan	B	行走齿轮传动装置 Moving gear assembly	C
螺旋活塞式风机 Rotary piston type fan	B	挖泥机类 LAND DREDGER	
蜗轮式风机 Turbo-fan	A	筒式输送机 Drum-type conveyer	C
建筑机械类 CONSTRUCTION MACHINERY		筒式转动机 Drum-type rotation wheel	C
混凝土搅拌机 Concrete mixer	B	挖泥头 Dredger head	C
卷扬机 Hoist	B	机动绞车 Powered crab	B
路面建筑机械 Road building machinery	B	泵 Pump	B
钻孔机 Boring mill	B	泵转向齿轮传动装置 Pump turning gear assembly	B
化工机械类 CHEMICAL MACHINERY		行走齿轮传动装置 (履带) Moving gear assembly (apron wheel)	C
搅拌机 (液体) Mixer (liquid)	A	行走齿轮传动装置 (铁轨) Moving gear assembly (track)	B
搅拌机 (半液体) Mixer (half liquid)	B	食品工业机械类 FOODSTUFF PROCESSING MACHINERY	
离心机 (重型) Centrifuge (heavy)	B	灌注及装箱机器 Placer or box filler	A
离心机 (轻型) Centrifuge (light)	A	甘蔗压榨机 Cane crusher	A
冷却滚筒** Cooling rolling drum	B	甘蔗切断机** Cane cutter	B
干燥滚筒** Dry rolling drum	B	甘蔗粉碎机** Cane crasher	C
搅拌机 Mixer	B	搅拌机 Mixer	B
压缩机类 COMPRESSOR		酱状物吊筒 Paste bucket	B
活塞式压缩机 Piston type compressor	C	包装机 Packager	A
蜗轮式压缩机 Turbo-compressor	B	糖甜菜切断机 Beet slicer	B
传送运输机类 TRANSMISSION FREIGHTER		糖和甜菜清洗机 Beet washing machine	B
平板输送机 Pan conveyer	B	发动机及转换器类 MOTOR AND CONVERSION EQUIPMENTS	
平衡块升降机 Balance lifter	B	频率转换器 Frequency converter	C
槽式输送机 Trough conveyer	B	发动机 Motor	C
带式输送机 (大件) Ribbon conveyer (large piece)	C	焊接发动机 Welding motor	C
带式输送机 (碎料) Ribbon conveyer (small piece)	B	洗衣机类 WASHING MACHINE	
筒式面粉输送机 Drum-type flour conveyer	A	滚筒 Rolling drum	B
链式输送机 Chain conveyer	B	洗衣机 Washing machine	B
环式输送机 Ring type conveyer	B	金属滚轧机类 METAL ROLLER MACHINE	
货物升降机 Lifter	B	钢坯剪断机** Steel cutter	C
卷扬机 Hoist	B	链式输送机** Chain converter	B
连杆式输送机 Crank-connecting conveyer	B	冷轧机** Cold mill	C
载入升降机 Lifter	B	连铸成套设备 Continuous casting equipments	B
螺旋式输送机 Worm conveyer	B	冷床** Cold bed	B
钢带式输送机 Steel-band conveyer	B	剪料机头** Cropper	C
链式槽型输送机 Chain reed-type conveyer	B	交叉转弯输送机** Cross steering transmitter	B
绞车运输机 Crab freighter	B	除锈机** Druster	C
起重机类 HOIST		重型和中型板轧机** Heavy and medium steel mill	C
卷扬机齿轮传动装置 Hoist gear assembly	A	棒坯切轧机** Bar mill	C

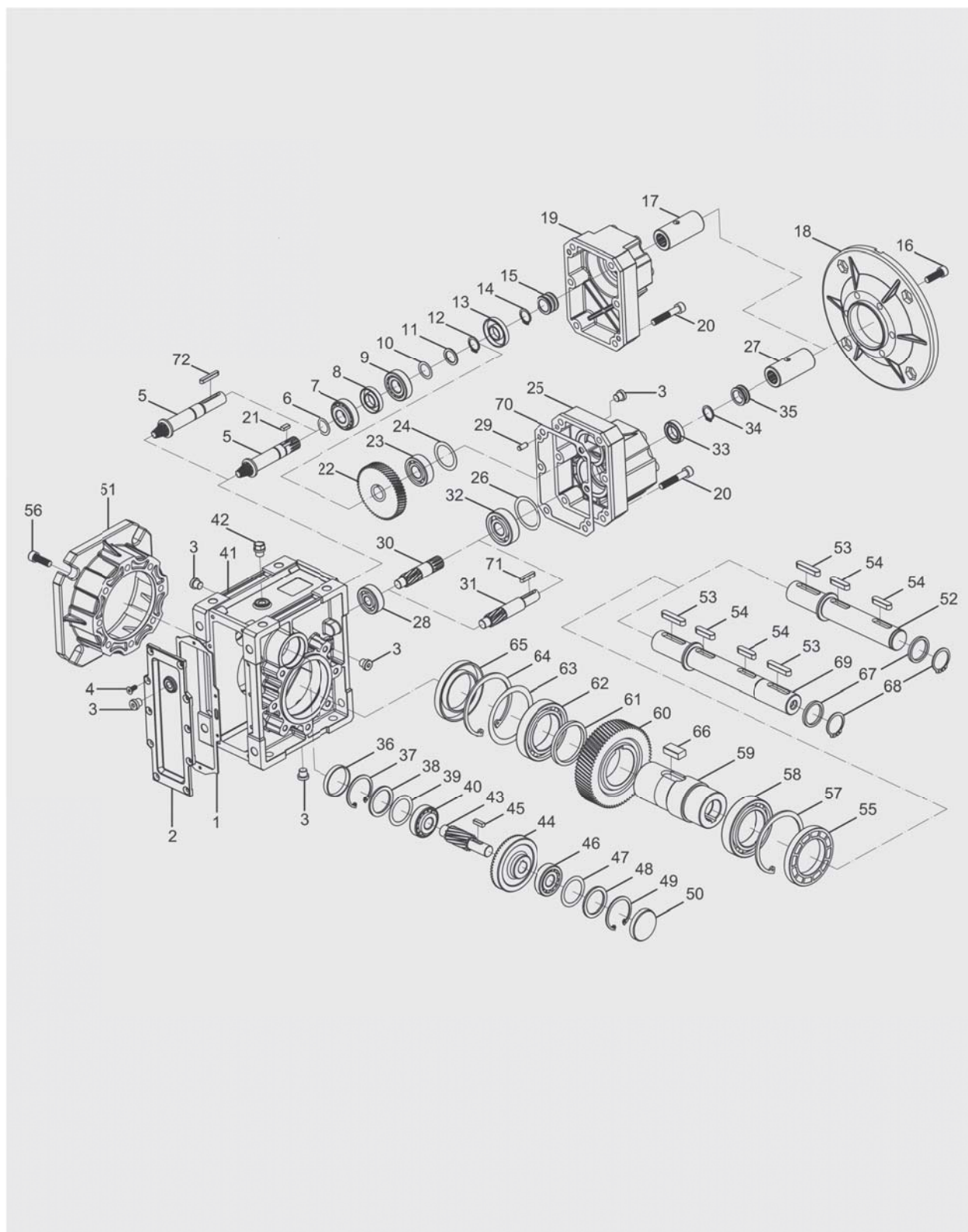
减速机负载特征表(参考件) / MCHARGE CHARACTERISTIC CHART(FOR REFERENCE)

棒坯转运机类 BAR TRANSMISSION EQUIPMENTS	B	泵类 PUMPS	
棒坯推料机 Bar pusher	B	离心泵(稀液体) Centrifugal pump(thin liquid)	A
推床 Push bed	B	离心泵(半液体) Centrifugal pump(half liquid)	B
剪板机** Shears	C	活塞泵 Displacement pump	C
板材摆升降台** Lumber elevator platform	B	柱塞泵 Plunger pump	C
轧辊调整装置 Roll adjusting equipments	B	压力泵 Force pump	C
辊式矫直机 Roller leveling machine	B	塑料机械类 PLASTIC EQUIPMENTS	
轧钢机辊道(重型)** Mill rolling way(heavy)	C	压光机** Glazing press	B
轧钢机辊道(轻型)** Mill rolling way(light)	B	挤压机** Ejecting press	B
薄板轧机** Sheet rolling mill	C	螺旋压出机** Spiral extruding machine	B
修整剪切机** Trimming shears	B	混合机** Mixing machine	B
焊管机 Pipe welder	C	橡胶机械类 RUBBER EQUIPMENT	
焊管机(带材和线材) Soldering machine(belt material and wire rod)	B	压光机** Glazing press	B
线材拉拔机 Wire drawbench	B	挤压机** Ejecting press	C
金属加工机床类 METAL PROCESSING MACHINE TOOLS		混合搅拌机** Mixing stir machin	B
动力轴 Power shaft	A	捏合机 Kneading machine	B
锻造机** Forging machine	C	滚压机** Roller machine	C
锻锤 Drop hammer	C	石料、瓷土料加工机械类 STONE PORCELAIN CLAY PROCESSING EQUIPMENTS	
机床及辅助装置 Machine tool and necessary	A	球磨机 Ball crusher	B
机床及主要传动装置 Machine tool and main driving equipment	B	挤压力破碎机 Ejecting press and breaker	C
金属刨床 Metal facing machine	C	破碎机 Breaker	C
板材矫直机床 Plate-leveling machine tool	C	压砖机 Brick press	C
冲床 Backing-out punch	C	锤料破碎机** Beating crusher	C
冲压机床 Press machine tool	C	转炉** Converter	C
剪床 Cutting machine	B	筒型磨机** Cylinder mill	C
薄板弯曲机床 Sheet bending machine tool	B	纺织机械类 TEXTILE MACHINERY	
石油工业机械类 PETROLEUM PROCESSING MACHINERY		送料机 Feeding machine	B
输油管油泵** Pump of oil pipe line	B	织布机 Loom machine	B
转子钻井设备 Rotary drilling equipment	C	印染机 Dyeing machine	B
制纸机类 PAPERING MACHINE		精致筒 Purified drum	B
压光机** Glazing press	C	威罗机 Welon machine	B
多层纸板机** Multilayer paper board machine	C	水处理设备类 WASTER TREATMENT EQUIPMENTS	
干燥滚筒** Drying cylinder	C	鼓风机** Air blast	B
上光滚筒** Glazing cylinder	C	螺杆泵 Screw pump	B
搅浆机** Masher	C	木料加工机床 WOOD PROCESSING MACHINE TOOL	
搅浆擦碎机** Mashing and breaking machine	C	剥皮机 Barker	C
吸水滚** Suction oil	C	刨床 Facing machine	B
潮纸滚压机** Wet paper roller machine	C	锯床 Saw bench	C
吸水滚压机木** Water absorbing roller machine	C	木材加工机床 Wood processing machine tool	A
威罗机 Welon machine	C		

注：A—均匀冲击负载；B—中等冲击负载；C—重冲击负载；**—用于24小时工作制。

Note : A-Uniform load ; B-Moderate shock load ; C-Heavy shock load ; **-for 24hour system.

产品构造原理 / PRODUCT STRUCTURE PRINCIPLE



目录 页面 Contents Page

N 产 型 电 安 技 安	1	橡胶垫 / Rubber gasket	38	垫圈 / Washer
	2	齿轮箱盖板 / Gearcase cover	39	调整垫片 / Shim ring
	3	油塞 / Oil plug	40	轴承 / Bearing
	4	内六角沉头螺钉 / Hexagon sunk screw	41	齿轮箱体 / Gearcase
	5	主动齿轮轴 / Pinion shaft	42	透气阀 / Breather valve
	6	调整垫片 / Shin ring	43	主动齿轮轴 / Pinion shaft
	7	轴承 / Bearing	44	从动齿轮 / Gear
	8	油封 / Oil seal	45	键 / Key
	9	轴承 / Bearing	46	轴承 / Bearing
	10	调整垫片 / Shin ring	47	调整垫片 / Shim ring
	11	垫圈 / Washer	48	垫圈 / Washer
	12	轴用挡圈 / Shaft-circlip	49	孔用挡圈 / Hole-circlip
	13	油封 / Oil seal	50	油封盖 / Closing cap
	14	轴用挡圈 / Shaft-circlip	51	输出法兰 / Output flange
	15	橡胶套 / Rubber boot	52	单向输出轴 / Single output shaft
	16	内六角螺钉 / Inner hex screw	53	键 / Key
	17	输入轴 / Input shaft	54	键 / Key
	18	输入法兰 / Input flange	55	油封 / Oil seal
	19	两级输入箱盖 / 2 stage input box cover	56	内六角螺钉 / Inner hex screw
	20	内六角螺钉 / Inner hex screw	57	孔用挡圈 / Hole-circlip
	21	键 / Key	58	轴承 / Bearing
	22	从动齿轮 / Gear	59	输出轴 / Hollow shaft
	23	轴承 / Bearing	60	从动齿轮 / Gear
	24	调整垫片 / Shim ring	61	垫圈 / Washer
	25	三级输入箱盖 / 3 stage input box cover	62	轴承 / Bearing
	26	调整垫片 / Shim ring	63	调整垫片 / Shim ring
	27	输入轴 / Input shaft	64	孔用挡圈 / Hole-circlip
	28	轴承 / Bearing	65	油封 / Oil seal
	29	圆柱销 / Stifte	66	键 / Key
	30	主动齿轮 / Pinion	67	垫圈 / Washer
	31	主动齿轮轴 / Pinion shaft	68	轴用挡圈 / Shaft-circlip
	32	轴承 / Bearing	69	输出双向轴 / Double output shaft
	33	油封 / Oil sea	70	密封纸垫 / Housing gasket
	34	轴用挡圈 / Shaft-circlip	71	键 / Key
	35	橡胶套 / Rubber boot	72	键 / Key
	36	油封盖 / Closing cap		
	37	孔用挡圈 / Hole-circlip		

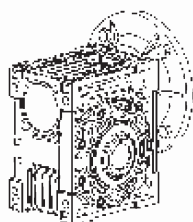
NMRV 产品图片

NMRV PRODUCT PICTURE



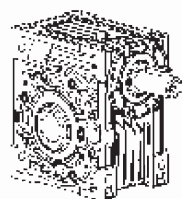
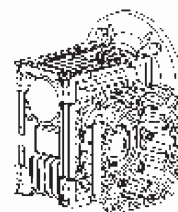
产品外形

Products Figure



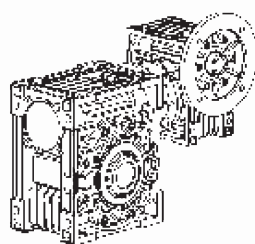
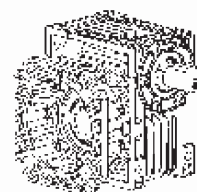
NMRV

NMRV
F



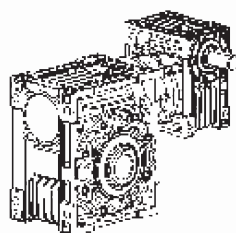
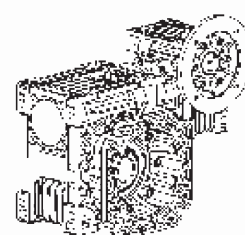
NRV

NRV
F



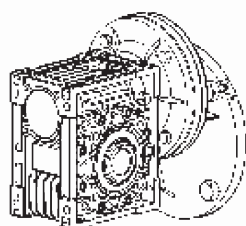
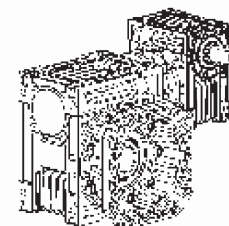
NMRV-NMRV

NMRV-NMRV
F



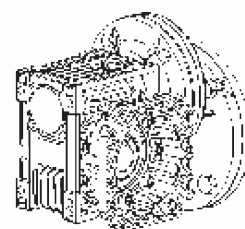
NRV-NMRV

NRV-NMRV
F



PC-NMRV

PC-NMRV
F



型号标记



标记示例

- A NRV040-50-B3**
轴输入, 机型号040, 速比50, 安装位置B3
- B NMRV050-FA1-15-Y0.75-B5**
带法兰输入, 机型号050, 带输出法兰FA1, 速比15, Y系列标准电机, 电机功率0.75KW, 安装位置B5
- C NMRV110-TA1-25-YB2.2-B5 (dII BT4,IP54/F)**
带法兰输入, 机型号110,带转矩臂TA1, 速比25, 防爆电机 YB100L1-4, 防爆等级dII BT4, 防护等级IP54 绝缘等级F, 安装位置B5

电机配置说明

Y系列普通三相异步电机

- 1 本系列减速机标准配置Y系列普通三相异步感应电机;
- 2 电机电压: 380V/50Hz;
- 3 电机防护等级IP54, 绝缘等级F, B级温升;
- 4 环境温度不超过40℃, 不低于-15℃;
- 5 连续工作制S1;
- 6 海拔高度不超过1000m;

Designation

gear unit type

- NRV :with input shaft
- NMRV : with input flange
- NMRV../.. : double stage

gear unit size

with flange (omit without flange)

- F..1: with output flange F..1,at position 1
- F..2: with output flange F..2,at position 2

with fitting parts (omit when no fitting parts)

- AS1: with single output shaft at position 1
- AS2: with single output shaft at position 2
- AB : with double output shaft
- VS : with extention input shaft
- TA1: with torque arm at position 1
- TA2: with torque arm at position 2

transmission ratio

electric motor type and power

mounting position

Sign Example

- A NRV040-50-B3**
input shaft, gear unit size 040 ratio50, mounting position B3
- B NMRV050-FA1-15-Y0.75-B5**
input with flange, gear unit size 050 with additional output flange FA1, ratio15; Y series standard motor, motor power 0.75KW, mounting positionB5
- C NMRV110-25-TA1-YB2.2-B5 (dII BT4,IP54/F)**
input with flange, gear unit size 110 with additional torque arm TA1, ratio25; Y series explosion proof motor, power 2.2KW,(d II BT4,IP54/F), mounting positionB5

Configuration of Electric Motor

Y series Three-phase Asynchronous Electric Motor

- 1 this NMRV series gear unit configure three-phase asynchronous electric motor;
- 2 voltage:380V/50Hz;
- 3 protection class:IP54,insulation class: F; temperature rising class: B;
- 4 ambient temperature:-15~40℃ ;
- 5 continue working duty:S1;
- 6 altitude less than 1000m;

电机配置说明

Y系列普通三相异步电机

- 7 冷却方式为C0141（风扇自冷）；
- 8 100L2及以下规格为"Y"接法，112M及以上规格为"△"接法；
- 9 优先选用4, 6, 8极电机，2极电机不推荐使用；
- 10 电机技术参数见第189-194页

YEJ系列三相异步制动电机

- 1 三相异步制动电机为普通电机的基础上附加制动器；
- 2 电机电压：380V/50Hz；
- 3 制动器电压：规格71~100：DC99V
规格112~200：DC170V
- 4 配置单相AC220V/50Hz整流器；
- 5 电机防护等级IP44，绝缘等级F, B级温升；
- 6 环境温度不超过40℃,不低于-15℃；
- 7 连续工作制S1；
- 8 海拔高度不超过1000m；
- 9 冷却方式为C0141（风扇自冷）；
- 10 100及以下规格为"Y"接法，112M及以上规格为"△"接法；
- 11 优先选用4, 6, 8极电机，2极电机不推荐使用。
- 12 电机技术参数见第189-194页

YVF系列三相异步变频电机

- 1 电机电压：380V；
- 2 基准频率：50Hz；
- 3 允许调频5~50Hz，恒转矩调速；
- 4 电机防护等级IP54，绝缘等级F, B级温升；
- 5 环境温度不超过40℃,不低于-15℃；
- 6 连续工作制S1；
- 7 海拔高度不超过1000m；
- 8 冷却方式为C416（独立风扇）；
- 9 接线方式按适配变频器要求；
- 10 优先选用4极电机。

特殊电机

- 1 选用包括防爆电机，辊道电机，船用电机，多速电机等特殊电机，
本公司提供IEC标准电机法兰接口，接口尺寸见76页；
- 2 异频率，异电压电机，请联系本公司技术部；
- 3 使用环境温度不在-15~40℃范围内，请联系本公司技术部；
- 4 更高的绝缘等级及防护等级，请联系本公司技术部。

Configuration of Electric Motor

Y series Three-phase Asynchronous Electric Motor

- 7 self-cooling with fan:C0141;
- 8 within frame 100, follow connection Y, from frame 112, follow connection△;
- 9 first select 4,6,8 poles motor;
- 10 technical data on page 189-194.

YEJ series Three-phase Asynchronous Brake Motor

- 1 base on Y series motor, add a brake.
- 2 voltage:380V/50Hz;
- 3 brake voltage: frame:71~100 DC99V
frame:112~200 DC170V;
- 4 with single phase AC220V/50Hz rectifier;
- 5 protection class:IP54,insulation class: F, temperature rising class: B ;
- 6 ambient temperature:-15~40℃ ;
- 7 continue working duty:S1;
- 8 altitude less than 1000m;
- 9 self-cooling with fan:C0141;
- 10 within frame 100, follow connection Y, from frame 112, follow connection△;
- 11 first select 4,6,8 poles motor;
- 12 technical data on page 189-194.

YVF series Three-phase Variable-frequency Motor

- 1 voltage:380V;
- 2 rated frequency 50Hz;
- 3 available frequency:5~50Hz;
- 4 protection class:IP54,insulation class: F, temperature rising class:B;
- 5 ambient temperature:-15~40℃ ;
- 6 continue working duty:S1;
- 7 altitude less than 1000m;
- 8 cooling with independence fan:C416;
- 9 connection perform the requirement of inverter;
- 10 first select 4 poles motor;

Customized Motor

- 1 others like explosion proof, roller motor, marine motor or multi-speed motor coupled by adaptor, the dimensions on page 76.
- 2 need different frequency and voltage, please contact us.
- 3 ambient temperature is not in -15~40℃ ,please contact us.
- 4 for higher insulation and protection class,please contact us.

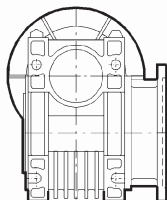
附加配件及位置

With fitting Parts and Position

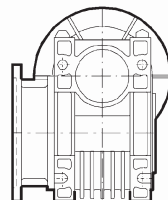
附加输出法兰及位置

With output flange and positions

NMRV..F1



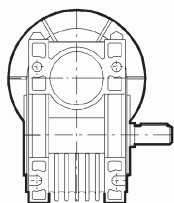
NMRV..F2



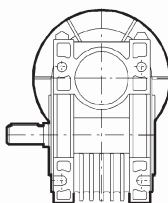
附加单向输出轴及位置

With single output shaft and positions

NMRV..AS1



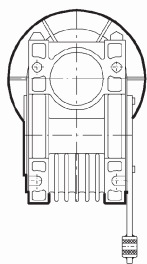
NMRV..AS2



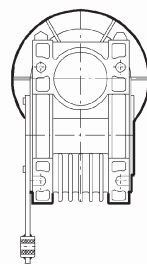
附加扭力臂及位置

With torque arm and positions

NMRV..TA1



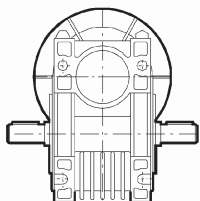
NMRV..TA2



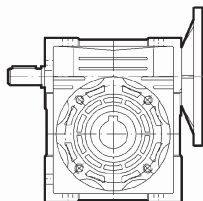
附加双向输出轴 附加蜗杆延伸轴

With double output shaft With worm extensional shaft

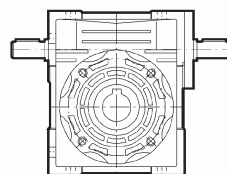
NMRV..AB



NMRV..VS



NRV..VS

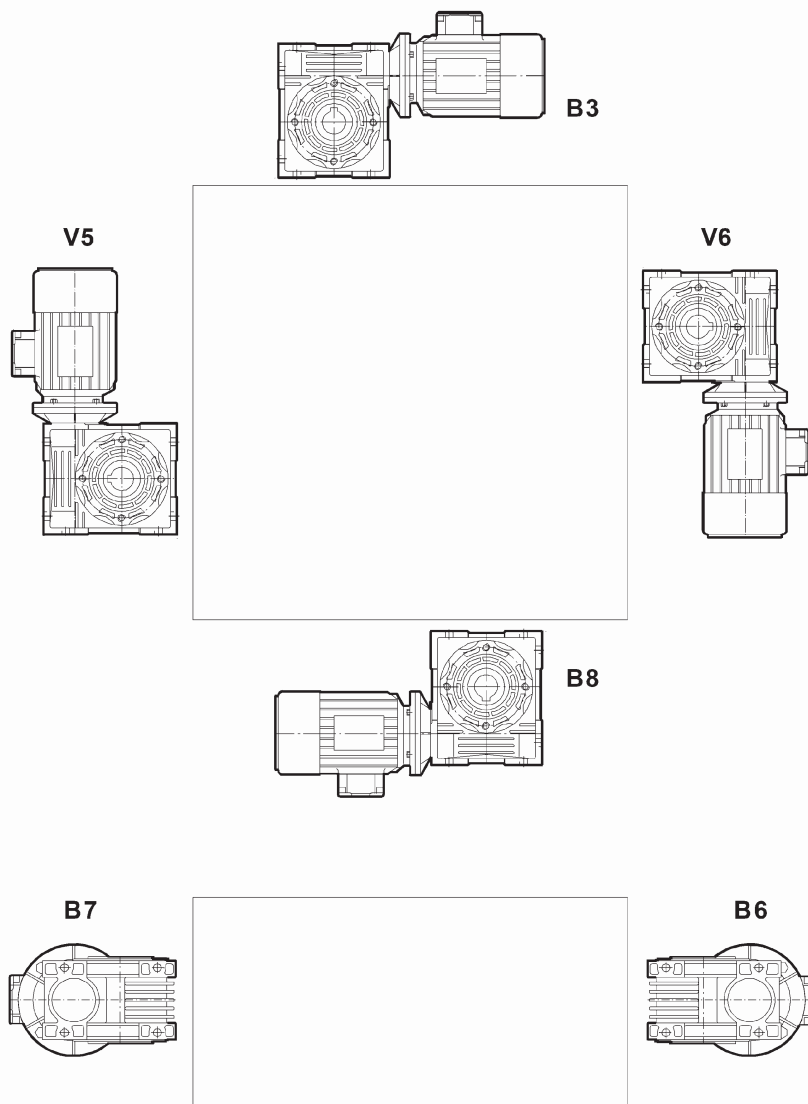


安装位置

Mounting Position

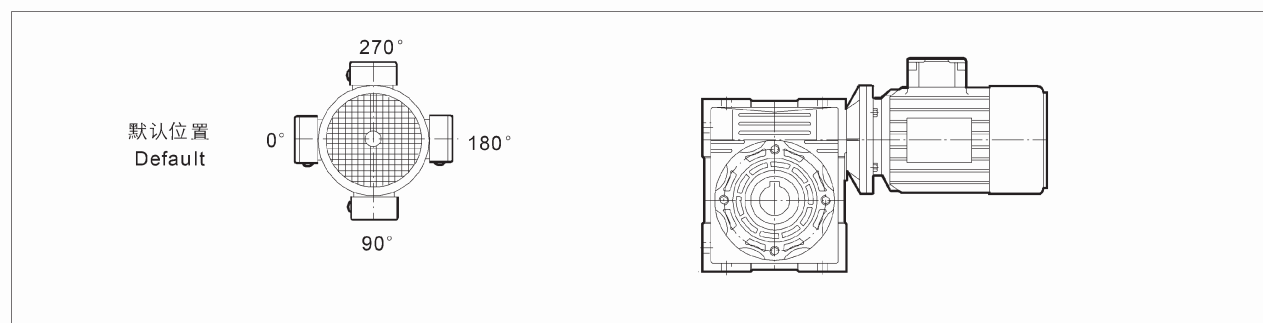
NRV..,NMRV..,NMRV+PC..减速机安装位置

Mounting Position for NRV..,NMRV..,NMRV+PC..



接线盒位置

Terminal Box Position

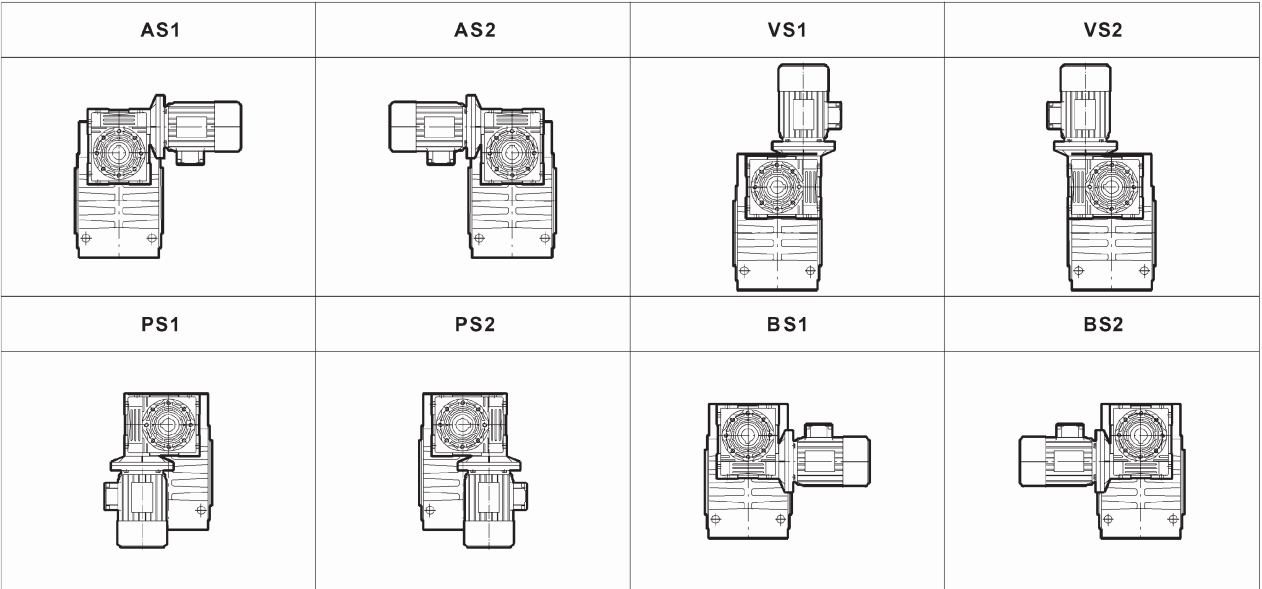


安装位置

Mounting Position

双级减速机安装位置

Double Stage Worm gear Reducer Mounting Position













技术参数

Technical Data

符号意义

Key to Symbols

1


P ₁ = 0.06KW								
N _A rpm	M ₂ Nm	i	Fr ₂ MAX [N]	f _s	Type	Gear unit	Motor size	 Kg
280	1.8	5	439	6.2	NMRV	025	5614	3.7
186.7	2.6	7.5	503	4.2				
140	3.4	10	553	3.5				
93.3	4.9	15	633	2.5				
								
2	3	4	5	6	7	8	9	10

- 1 电机功率
- 2 输出转速
- 3 输出转矩
- 4 减速比
- 5 输出轴中最大点载荷
- 6 使用系数
- 7 减速机类型
- 8 减速机规格
- 9 电机型号
- 10 大概重量

- 1 motor power
- 2 output speed
- 3 output torque
- 4 transmission ratio
- 5 maximum load on middle output shaft
- 6 service factor
- 7 gear unit type
- 8 gear unit size
- 9 motor frame
- 10 approximate weight

技术参数


Technical Data

P₁ = 0.06 KW								
N_A rpm	M₂ Nm	i	Fr₂MAX [N]	f_s	Type	Gear unit	Motor size	 Kg
280	1.8	5	439	6.2	NMRV	025	5614	3.7
186.7	2.6	7.5	503	4.2				
140	3.4	10	553	3.5				
93.3	4.9	15	633	2.5				
70	6.1	20	697	2				
46.7	8.2	30	798	1.6				
35	10	40	878	1.3				
28	12	50	946	0.9				
23.3	14	60	1003	0.7				
280	1.8	5	597	10.1	NMRV	030	5614	4.2
186.7	2.6	7.5	683	6.9				
140	3.4	10	752	5.4				
93.3	4.7	15	861	3.8				
70	6	20	948	3				
56	7	25	1021	3				
46.7	8	30	1085	2.5				
35	9.7	40	1194	1.9				
28	11	50	1286	1.5				
23.3	13	60	1367	1.3				
17.5	14	80	1504	0.9				
14	25	100	1620	1.3	NMRV	025/030	5614	4.9
9.3	32	150	1830	0.9				
7	41	200	1830	0.7				
5.6	44	250	1830	0.8				
4.7	59	300	3490	1.2	NMRV	025/040	5614	6.0
3.5	71	400	3490	0.9				
2.8	82	500	3490	0.7				
2.3	101	600	3490	0.6				
1.9	116	750	3490	0.5				
1.6	143	900	3490	0.5				
1.2	171	1200	3490	0.4	NMRV	025/040	5614	6.0
0.9	197	1500	3490	0.3				
0.8	217	1800	3490	0.3				
0.6	268	2400	3490	0.2				
0.5	324	3000	3490	0.2				
0.4	294	4000	3490	0.1				
0.3	356	5000	3490	0.1				
4.7	57	300	3490	1.3	NMRV	030/040	5614	6.5
3.5	70	400	3490	0.9				
2.8	96	500	3490	0.6				
2.3	104	600	3490	0.7				
1.9	121	750	3490	0.6				

技术参数

Technical Data


P₁ = 0.06 KW

N _A rpm	M ₂ Nm	i	Fr _{2MAX} [N]	f _s	Type	Gear unit	Motor size	 Kg
1.6	139	900	3490	0.5	NMRV	030/040	5614	6.5
1.2	166	1200	3490	0.4				
0.9	196	1500	3490	0.4				
0.8	218	1800	3490	0.3				
0.58	261	2400	3490	0.2				
0.4	300	3200	3490	0.2				
0.4	279	4000	3490	0.1				
0.28	338	5000	3490	0.1	NMRV	030/050	5614	7.7
1.6	141	900	4840	1.0				
1.2	169	1200	4840	0.7				
0.93	199	1500	4840	0.7				
0.78	222	1800	4840	0.7				
0.6	266	2400	4840	0.5				
0.5	307	3000	4840	0.4				
0.35	288	4000	4840	0.3	NMRV	030/063	5614	10.4
0.29	311	4800	4840	0.3				
0.9	204	1500	6270	1.1				
0.78	225	1800	6270	0.9				
0.58	276	2400	6270	0.8				
0.47	319	3000	6270	0.7				
0.35	306	4000	6270	0.6	NMRV	040/075	5614	14.3
0.28	360	5000	6270	0.4				
0.6	330	2400	7380	1.1				
0.47	377	3000	7380	0.8				
0.35	355	4000	7380	0.7	NMRV	040/090	5614	18.3
0.28	419	5000	7380	0.5				
0.5	406	3000	8180	1.4				
0.35	365	4000	8180	1.3	NMRV	040/090	5614	18.3
0.28	431	5000	8180	1.0				

560	1.4	5	349	5.9	NMRV	025	5612	3.5
373.3	2.0	7.5	399	3.9				
280	2.6	10	439	3.4				
186.7	3.8	15	503	2.4				
140	4.9	20	553	1.9				
93.3	6.7	30	633	1.3				
70	8.3	40	697	1.1				
56	10	50	751	0.9				


技术参数

Technical Data

P₁ = 0.09 KW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
280	2.7	5	439	4.1	NMRV	025	5624	4.0
186.7	3.9	7.5	503	2.8				
140	5.1	10	553	2.4				
93.3	7.3	15	633	1.6	NMRV	025	5624	4.0
70	9.2	20	697	1.3				
46.7	12	30	798	1.1				
35	15	40	878	0.9				
560	1.4	5	474	8.8	NMRV	030	5612	4.0
373.3	2.0	7.5	542	6.5				
280	2.6	10	597	5.0				
186.7	3.7	15	683	3.5				
140	4.8	20	752	2.5				
112	5.7	25	810	2.8				
93.3	6.5	30	861	2.3				
70	8.1	40	948	1.7				
56	10	50	1021	1.4				
46.7	11	60	1085	1.1				
35	13	80	1194	0.9				
280	2.7	5	597	6.7	NMRV	030	5624	4.0
186.7	3.9	7.5	683	4.6				
140	5.0	10	752	3.6				
93.3	7.1	15	861	2.5				
70	9.0	20	948	2.0				
56	10	25	1021	2.0				
46.7	12	30	1085	1.7				
35	14	40	1194	1.2				
28	17	50	1286	1.0				
23.3	19	60	1367	0.9				
180	4.1	5	692	4.9	NMRV	030	63M1-6	5.4
120	5.9	7.5	792	3.4				
90	7.6	10	871	2.6				
60	11	15	997	1.9				
45	13	20	1098	1.5				
36	15	25	1183	1.5				
30	17	30	1257	1.2				
22.5	21	40	1383	1.0	NMRV	030	63M1-6	5.4
18	24	50	1490	0.7				


技术参数

Technical Data

P₁ = 0.09 KW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
28	20	100	1286	1.6	NMRV	025/030	5612	4.7
18.7	25	150	1472	1.1				
14	33	200	1620	0.9				
14	38	100	1620	0.8	NMRV	025/030	5624	5.2
9.3	49	150	1830	0.6				
7	62	200	1830	0.5				
5.6	66	250	1830	0.5				
4.7	75	300	1830	0.4				
3.5	107	400	1830	0.3				
2.8	115	500	1830	0.3				
2.3	135	600	1830	0.2				
1.9	151	750	1830	0.2				
1.6	178	900	1830	0.2				
1.2	212	1200	1830	0.1				
0.9	247	1500	1830	0.1				
0.78	304	1800	1830	0.1				
0.58	340	2400	1830	0.1				
0.47	405	3000	1830	0.1				
28	19	50	2475	2.0	NMRV	040	5624	5.6
23.3	21	60	2630	1.7				
17.5	26	80	2895	1.3				
14	29	100	3118	1.0				
30	19	30	2419	2.6	NMRV	040	63M1-6	6.5
22.5	24	40	2662	1.9				
18	27	50	2868	1.5				
15	31	60	3047	1.3				
11.3	37	80	3354	1.0				
9	41	100	3490	0.8				
12	47	75	3283	1.3	NMRV	040+PC063	63M1-6	15
10	51	90	3488	1.4				
7.5	62	120	3490	1.1				
6	72	150	3490	0.8				
5	79	180	3490	0.7				
9.3	45	300	3490	1.6	NMRV	025/040	5612	5.8
7	54	400	3490	1.2				
5.6	77	500	3490	0.8				

技术参数


Technical Data

P₁ = 0.09 KW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
4.7	88	300	3490	0.8	NMRV	030/040	5624	6.8
15	32	60	4183	2.3	NMRV	050	63M1-6	7.7
11.3	37	80	4604	1.8				
9	42	100	4840	1.3				
6	73	150	4840	1.6	NMRV	050+PC063	63M1-6	16.2
5	81	180	4840	1.3				
3.8	94	240	4840	0.9				
3	106	300	4840	0.7				
3.5	107	400	4840	1.2	NMRV	030/050	5624	8.0
2.8	123	500	4840	1.0				
2.3	159	600	4840	0.9				
1.9	185	750	4840	0.8				
1.6	212	900	4840	0.7				
3.8	99	240	6270	1.7	NMRV	063+PC063	63M1-6	18.9
3	109	300	6270	1.4				
1.6	200	900	6270	1.0	NMRV	030/063	5624	10.7
1.2	263	1200	6270	0.9				
0.93	305	1500	6270	0.7				
0.9	360	1500	7380	1.1	NMRV	040/075	5624	14.6
0.78	404	1800	7380	1.0				
0.58	496	2400	7380	0.7				
0.5	609	3000	8180	0.9	NMRV	040/090	5624	18.6
0.35	548	4000	8180	0.8				

P ₁ = 0.12 KW								
560	1.8	5	349	4.4	NMRV	025	5622	3.9
373.3	2.7	7.5	399	3.0				
280	3.5	10	439	2.6				
186.7	5.0	15	503	1.8				
140	6.5	20	553	1.4				
93.3	9.0	30	633	1.0				
70	11	40	697	0.8				


技术参数

Technical Data

P₁ = 0.12 KW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
93.3	9.5	15	861	1.9	NMRV	030	63M1-4	5.1
70	12	20	948	1.5				
56	14	25	1021	1.5				
46.7	16	30	1085	1.3				
35	19	40	1194	0.9				
28	23	50	1286	0.8				
180	5.4	5	692	3.7	NMRV	030	63M2-6	6.0
120	7.9	7.5	792	2.5				
90	10	10	871	2.0				
60	14	15	997	1.4				
45	18	20	1098	1.1				
36	20	25	1183	1.1				
30	23	30	1257	0.9				
46.7	17	30	2087	2.6	NMRV	040	63M1-4	6.2
35	21	40	2298	1.9				
28	25	50	2475	1.5				
23.3	28	60	2630	1.3				
17.5	34	80	2895	1.0				
14	38	100	3118	0.8				
30	25	30	2419	1.9	NMRV	040	63M2-6	7.1
22.5	32	40	2662	1.4				
18	36	50	2868	1.2				
15	41	60	3047	0.9				
18.7	42	75	2833	1.2	NMRV	040+PC063	63M1-4	14.7
15.6	46	90	3011	1.2				
11.7	57	120	3314	0.9				
9.3	66	150	3490	0.7				
7.8	74	180	3490	0.6				
12	62	75	3283	1.0	NMRV	040+PC063	63M2-6	15.6
10	68	90	3488	1.1				
7.5	83	120	3490	0.8				
23.3	29	60	3610	2.3	NMRV	050	63M1-4	7.4
17.5	35	80	3973	1.9				
14	40	100	4280	1.4				
22.5	32	40	3654	2.6	NMRV	050	63M2-6	8.3
18	38	50	3936	2.0				
15	42	60	4183	1.7	NMRV	050	63M2-6	8.3
11.3	50	80	4604	1.4				
9	56	100	4840	1.0				


技术参数

Technical Data

P₁ = 0.12 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
9.3	68	150	4840	1.3	NMRV	050+PC063	63M1-4	12.0
7.8	75	180	4840	1.1				
5.8	88	240	4840	0.8				
4.7	98	300	4840	0.7				
12	63	75	4506	1.7	NMRV	050+PC063	63M2-6	16.8
10	70	90	4788	2.1				
7.5	84	120	4840	1.5				
6	97	150	4840	1.2				
5	108	180	4840	1.0				
3.8	125	240	4840	0.7				
4.7	119	300	4840	1.2	NMRV	030/050	63M1-4	8.6
3.5	142	400	4840	0.9				
2.8	164	500	4840	0.7				
5.8	92	240	6270	1.5	NMRV	063+PC063	63M1-4	10.1
4.7	103	300	6270	1.2				
6	101	150	6270	2.1	NMRV	063+PC063	63M2-6	11.0
5	112	180	6270	1.8				
3.8	131	240	6270	1.3				
3	145	300	6270	1.0				
2.8	171	500	6270	1.3	NMRV	030/063	63M1-4	11.3
2.3	208	600	6270	1.1				
1.9	241	750	6270	0.9				
1.6	325	900	7380	1.2	NMRV	040/075	63M1-4	15.2
1.2	399	1200	7380	0.9				
0.8	547	1800	8180	0.9	NMRV	040/090	63M1-4	19.2
0.58	695	2400	8180	0.9				
0.5	884	3000	10320	1.2	NMRV	050/110	63M1-4	42.4
0.35	784	4000	10320	1.0				
0.28	928	5000	10320	0.8				
560	2.7	5	474	4.4	NMRV	030	63M1-2	5.2
373.3	4	7.5	542	3.2				
280	5.2	10	597	2.5				


技术参数

Technical Data

P₁ = 0.18 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
280	5.3	5	597	3.4	NMRV	030	63M1-4	5.1
186.7	7.8	7.5	683	2.3				
140	10	10	752	1.8				
93.3	14	15	861	1.3				
70	18	20	948	1.0				
56	21	25	1021	1.0				
46.7	24	30	1085	0.8				
93.3	14	30	1657	2.4	NMRV	040	63M1-2	6.3
70	18	40	1824	1.8				
56	21	50	1964	1.4				
70	19	20	1824	2.0	NMRV	040	63M1-4	6.2
56	23	25	1964	1.7				
46.7	26	30	2087	1.7				
35	32	40	2298	1.3				
28	38	50	2475	1.0				
23.3	43	60	2630	0.8				
45	29	20	2113	1.5	NMRV	040	71M1-6	8.3
36	34	25	2276	1.3				
30	38	30	2419	1.3				
22.5	47	40	2662	1.0				
18.7	64	75	2833	0.8	NMRV	040+PC063	63M1-4	14.8
15.6	70	90	3011	0.8				
11.7	85	120	3314	0.6				
46.7	24	60	2865	2.1	NMRV	050	63M1-2	7.5
35	30	80	3153	1.5				
28	34	100	3397	1.2				
35	33	40	3153	2.3	NMRV	050	63M1-4	7.4
28	39	50	3397	1.9				
23.3	43	60	3610	1.6				
17.5	52	80	3973	1.2				
14	60	100	4280	0.9				


技术参数

Technical Data

P₁ = 0.18 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
18.7	64	75	3889	1.4	NMRV	050+PC063	63M1-4	15.9
15.6	71	90	4132	1.5				
11.7	87	120	4548	1.1				
9.3	101	150	4840	0.9				
7.8	113	180	4840	0.7				
5.8	133	240	4840	0.6				
12.0	95	75	4506	1.2	NMRV	050+PC071	71M1-6	20.0
10.0	105	90	4788	1.4				
7.5	126	120	4840	1.0				
15	66	60	5467	2.1	NMRV	063	71M1-6	12.2
11.3	79	80	6018	1.6				
9	90	100	6270	1.4				
9.3	103	150	6270	1.7	NMRV	063+PC063	63M1-4	18.6
7.8	117	180	6270	1.4				
5.8	139	240	6270	1.0				
4.7	155	300	6270	0.8				
12.0	97	75	5889	2.2	NMRV	063+PC071	71M1-6	22.7
10.0	107	90	6259	2.4				
7.5	131	120	6270	1.8				
6.0	152	150	6270	1.4				
5.0	168	180	6270	1.2				
3.8	197	240	6270	0.9				
3.0	218	300	6270	0.7				
3.5	222	400	6270	1.0	NMRV	030/063	63M1-4	11.3
2.8	257	500	6270	0.8				
5.0	179	180	7380	1.7	NMRV	075+PC071	71M1-6	25.5
3.8	211	240	7380	1.2				
3.0	235	300	7380	1.0				
2.3	362	600	7380	1.1	NMRV	040/075	63M1-4	15.2
1.9	435	750	7380	0.9				
1.6	487	900	7380	0.8				
1.2	629	1200	8180	1.0	NMRV	040/090	63M1-4	19.2
0.93	735	1500	8180	0.8				
0.8	861	1800	10320	1.5	NMRV	050/110	63M1-4	42.4
0.58	1113	2400	10320	1.1				


技术参数

Technical Data

P₁ = 0.25 kW								
N_A rpm	M₂ Nm	I	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
560	3.8	5	474	3.2	NMRV	030	63M2-2	5.2
373.3	5.6	7.5	542	2.3				
280	7.2	10	597	1.8				
186.7	10	15	683	1.3				
140	13	20	752	0.9				
112	16	25	810	1.0				
93.3	18	30	861	0.8				
280	8	5	1149	4.5	NMRV	040	71M1-4	7.7
186.7	11	7.5	1315	3.6				
140	14	10	1447	2.8				
93.3	21	15	1657	1.9				
70	27	20	1824	1.5				
56	32	25	1964	1.2				
46.7	36	30	2087	1.3				
35	44	40	2298	0.9				
180	12	5	1331	3.5	NMRV	040	71M2-6	8.8
120	17	7.5	1524	2.6				
90	22	10	1677	2.0				
60	31	15	1920	1.4				
45	40	20	2113	1.1				
36	48	25	2276	0.9				
30	53	30	2419	0.9				
35	42	80	3153	1.1	NMRV	040	63M2-2	6.7
28	48	100	3397	0.8				
70	27	20	2503	2.7	NMRV	050	71M1-4	8.9
56	32	25	2696	2.2				
46.7	37	30	2865	2.3				
35	46	40	3153	1.7				
28	54	50	3397	1.4				
23.3	60	60	3610	1.1				
17.5	72	80	3973	0.9				
45	40	20	2900	1.9	NMRV	050	71M2-6	10.0
36	48	25	3124	1.5				
30	54	30	3320	1.7				
22.5	67	40	3654	1.2				
18	78	50	3936	1.0				
15	88	60	4183	0.8				
18.7	88	75	3889	1.0	NMRV	050+PC071	71M1-4	19.4
15.6	98	90	4132	1.1				
11.7	121	120	4548	0.8				


技术参数

Technical Data

P₁ = 0.25 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
28	56	50	4440	2.4	NMRV	063	71M1-4	11.6
23.3	63	60	4719	2.0				
17.5	78	80	5193	1.6				
14	87	100	5595	1.4				
18	81	50	5145	1.8	NMRV	063	71M2-6	12.7
15	92	60	5467	1.5				
11.3	110	80	6018	1.2				
9	125	100	6270	1.0				
18.7	91	75	5083	1.8	NMRV	063+PC071	71M1-4	22.1
15.6	100	90	5401	2.0				
11.7	125	120	5945	1.5				
9.3	143	150	6270	1.2				
7.8	163	180	6270	1.0				
5.8	192	240	6270	0.7				
4.7	215	300	6270	0.6				
12.0	135	75	5889	1.6	NMRV	063+PC071	71M2-6	23.2
10.0	148	90	6259	1.8				
7.5	181	120	6270	1.3				
6.0	211	150	6270	1.0				
7	159	400	6270	1.4	NMRV	030/063	63M2-2	11.8
5.6	185	500	6270	1.2				
17.5	82	80	6130	2.3	NMRV	075	71M1-4	14.4
14	94	100	6603	1.9				
11.3	117	80	7103	1.7	NMRV	075	71M2-6	15.5
9	133	100	7380	1.4				
9.3	151	150	7380	1.7	NMRV	075+PC071	71M1-4	24.9
7.8	172	180	7380	1.4				
5.8	201	240	7380	1.1				
4.7	230	300	7380	0.9				
12.0	139	75	6952	2.4	NMRV	075+PC071	71M2-6	26.0
10.0	155	90	7380	2.5				
7.5	191	120	7380	1.9				
6.0	219	150	7380	1.5				
5.0	248	180	7380	1.2				
3.5	336	400	7380	1.1	NMRV	040/075	71M1-4	16.7
2.8	384	500	7380	0.8				


技术参数

Technical Data

P ₁ = 0.25 kW								
NA rpm	M ₂ Nm	i	Fr ₂ MAX[N]	f _s	Type	Gear unit	Motor size	 Kg
5.0	263	180	8180	1.9	NMRV	090+PC071	71M2-6	30.0
3.8	318	240	8180	1.4				
3.0	358	300	8180	1.1				
2.3	512	600	8180	1.2	NMRV	040/090	71M1-4	20.7
1.9	598	750	8180	0.9				
1.6	667	900	8180	0.8				
1.2	943	1200	10320	1.3	NMRV	050/110	71M1-4	43.9
0.93	1064	1500	10320	1.2				
0.78	1195	1800	10320	1.1				
0.6	1624	2400	13500	1.0	NMRV	063/130	71M1-4	59.6
0.47	1935	3000	13500	0.8				
0.35	2046	4000	13500	0.6				
0.28	2430	5000	13500	0.5				
0.8	1199	1800	18000	1.8	NMRV	063/150	71M1-4	95.6
0.6	1446	2400	18000	1.8				
0.5	1713	3000	18000	1.4				
0.4	2026	4000	18000	0.9				
0.3	2251	5000	18000	0.7				
P ₁ = 0.37 kW								
560	5.6	5	474	2.1	NMRV	030	6332	6.1
373.3	8.2	7.5	542	1.6				
280	11	10	597	1.2				
186.7	15	15	683	0.8				
560	5.7	5	912	4.2	NMRV	040	71M1-2	7.9
373.3	8.4	7.5	1044	3.3				
280	11	10	1149	2.6				
186.7	16	15	1315	1.9				
140	21	20	1447	1.4				
112	20	25	1559	1.1				
280	11	5	1149	3.0	NMRV	040	71M2-4	8.5
186.7	16	7.5	1315	2.4				
140	21	10	1447	1.9				
93.3	31	15	1657	1.3				
70	39	20	1824	1.0				
56	47	25	1964	0.8				
46.7	53	30	2087	0.8				


技术参数

Technical Data

P₁ = 0.37kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
112	25	25	2140	2.2	NMRV	050	71M1-2	9.1
93.3	29	30	2274	2.2				
70	37	40	2503	1.6				
56	44	50	2696	1.2				
46.7	50	60	2865	1.0				
35	62	80	3153	0.7				
140	22	10	1987	3.3	NMRV	050	71M2-4	9.7
93.3	31	15	2274	2.4				
70	40	20	2503	1.8				
56	48	25	2696	1.5				
46.7	55	30	2865	1.5				
35	68	40	3153	1.1				
28	80	50	3397	0.9				
23.3	89	60	3610	0.8				
180	17	5	1827	4.3	NMRV	050	80M1-6	11.7
120	25	7.5	2091	3.3				
90	33	10	2302	2.5				
60	47	15	2635	1.8				
45	60	20	2900	1.3				
36	72	25	3124	1.0				
30	80	30	3320	1.1				
35	71	40	4122	2.1	NMRV	063	71M2-4	12.4
28	83	50	4440	1.6				
23.3	94	60	4719	1.4				
17.5	115	80	5193	1.1				
14	129	100	5595	0.9				
45	60	20	3791	2.4	NMRV	063	80M1-6	14.4
36	74	25	4084	1.9				
30	82	30	4339	2.1				
22.5	102	40	4776	1.6				
18	120	50	5145	1.2				
15	137	60	5467	1.0				
18.7	134	75	5083	1.2	NMRV	063+PC071	71M2-4	22.9
15.6	148	90	5401	1.4				
11.7	185	120	5945	1.0				
9.3	212	150	6270	0.8				
9.3	181	300	6270	1.3	NMRV	030/063	71M1-2	13.0
7	236	400	6270	1.0				


技术参数

Technical Data

P₁ = 0.37kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
23.3	98	60	5569	2.0	NMRV	075	71M2-4	15.2
17.5	121	80	6130	1.6				
14	139	100	6603	1.3				
18	126	50	6073	1.8	NMRV	075	80M1-6	14.4
15	144	60	6453	1.5				
11.3	173	80	7103	1.2				
9	196	100	7380	1.0				
18.7	138	75	6000	1.8	NMRV	075+PC071	71M2-4	25.7
15.6	154	90	6375	1.9				
11.7	191	120	7017	1.5				
9.3	223	150	7380	1.1				
7.8	254	180	7380	0.9				
12.0	206	75	6952	1.6	NMRV	075+PC080	80M1-6	30.5
10.0	230	90	7380	1.7				
7.5	283	120	7380	1.3				
6.0	324	150	7380	1.0				
4.7	405	300	7380	1.0	NMRV	040/075	71M2-4	17.5
3.5	498	400	7380	0.7				
11.3	185	80	7859	1.7	NMRV	090	80M1-6	21.2
9	212	100	8180	1.3				
7.8	268	180	8180	1.5	NMRV	090+PC071	71M2-4	29.7
5.8	321	240	8180	1.1				
4.7	371	300	8180	0.9				
6.0	347	150	8180	1.6	NMRV	090+PC080	80M1-6	34.5
5.0	389	180	8180	1.3				
3.8	471	240	8180	1.0				
4.7	402	300	8180	1.5	NMRV	040/090	71M2-4	21.5
3.5	523	400	8180	1.2				
2.8	611	500	8180	0.9				
2.3	757	600	8180	0.8				
3.8	509	240	10320	1.6	NMRV	110+PC080	80M1-6	56.5
3.0	577	300	10320	1.3				
1.9	950	750	10320	1.3	NMRV	050/110	71M2-4	44.7
1.6	1079	900	10320	1.2				
1.2	1396	1200	10320	0.8				

技术参数


Technical Data

P ₁ = 0.37kW								
N _A rpm	M ₂ Nm	i	Fr _{2MAX} [N]	f _s	Type	Gear unit	Motor size	 Kg
0.9	1674	1500	13500	1.1	NMRV	063/130	71M2-4	60.4
0.78	1887	1800	13500	0.9				
0.8	1775	1800	18000	1.2	NMRV	063/150	71M2-4	96.4
0.6	2141	2400	18000	1.2				
0.5	2535	3000	18000	0.9				

P ₁ = 0.55kW								
560	8.4	5	912	2.8	NMRV	040	71M2-2	8.4
373.	13	7.5	1044	2.2				
280	17	10	1149	1.8				
186.7	24	15	1315	1.3				
140	31	20	1447	0.9				
112	37	25	1559	0.8				
280	17	5	1149	2.0	NMRV	040	7134	9.6
186.7	24	7.5	1315	1.6				
140	32	10	1447	1.3				
93.3	46	15	1657	0.9				
140	31	20	1987	1.7	NMRV	050	71M2-2	9.6
112	38	25	2140	1.4				
93.3	43	30	2274	1.5				
70	55	40	2503	1.1				
56	65	50	2696	0.8				
46.7	74	60	2865	0.7				
280	17	5	1577	3.7	NMRV	050	80M1-4	12.5
186.7	25	7.5	1805	2.9				
140	32	10	1987	2.2				
93.3	46	15	2274	1.6				
70	59	20	2503	1.2				
56	71	25	2696	1.0				
46.7	81	30	2865	1.0				
120	38	7.5	2091	2.2	NMRV	050	80M2-6	13.4
90	49	10	2302	1.7				
60	69	15	2635	1.2				
45	89	20	2900	0.9				
70	56	40	3272	1.9	NMRV	063	71M2-2	12.3
56	67	50	3524	1.5				
46.7	77	60	3745	1.2				
35	95	80	4122	0.9				
28	109	100	4440	0.7				


技术参数

Technical Data

P₁ = 0.55 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
70	61	20	3272	2.2	NMRV	063	80M1-4	15.2
56	73	25	3524	1.8				
46.7	83	30	3745	1.9				
35	105	40	4122	1.4				
28	124	50	4440	1.1				
23.3	140	60	4719	0.9				
60	71	15	3444	2.2	NMRV	063	80M2-6	16.1
45	90	20	3791	1.6				
36	109	25	4084	1.3				
30	123	30	4339	1.4				
22.5	152	40	4776	1.1				
18.7	200	75	5083	0.8	NMRV	063+PC071	7134	24.0
15.6	219	90	5401	0.9				
35	99	80	4865	1.3	NMRV	075	71M2-2	15.1
28	114	100	5241	1.0				
35	108	40	4865	2.0	NMRV	075	80M1-4	18.0
28	129	50	5241	1.6				
23.3	146	60	5569	1.4				
17.5	180	80	6130	1.1				
14	206	100	6603	0.9				
30	128	30	5122	2.0				
22.5	159	40	5637	1.5	NMRV	075	80M2-6	18.9
18	187	50	6073	1.2				
15	214	60	6453	1.0				
18.7	205	75	6000	1.2				
15.6	230	90	6375	1.3	NMRV	075+PC071	7134	26.8
11.7	284	120	7017	1.0				
18.7	205	75	6000	1.2				
15.6	230	90	6375	1.3	NMRV	075+PC080	80M1-4	31.3
11.7	284	120	7017	1.0				
9.3	332	150	7380	0.8				
12.0	306	75	6952	1.1				
10.0	341	90	7380	1.1	NMRV	075+PC080	80M2-6	32.2
17.5	189	80	6783	1.5				
14	221	100	7306	1.2	NMRV	090	80M1-4	22.0

技术参数


Technical Data

P₁ = 0.55 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
18	198	50	6719	2.0	NMRV	090	80M2-6	22.9
15	224	60	7140	1.6				
11.3	275	80	7859	1.1				
9	315	100	8180	0.9				
15.6	240	90	7054	2.3	NMRV	090+PC080	80M1-4	35.3
11.7	297	120	7764	1.6				
9.3	355	150	8180	1.3				
7.8	398	180	8180	1.0				
10.0	357	90	8174	2.0	NMRV	090+PC080	80M2-6	36.2
7.5	441	120	8180	1.4				
6.0	516	150	8180	1.1				
5.0	578	180	8180	0.9				
9.3	306	300	8180	2.0	NMRV	040/090	71M2-2	21.4
7	403	400	8180	1.5				
5.6	470	500	8180	1.2				
17.5	201	80	8571	2.6	NMRV	110	80M1-4	44.0
14	236	100	9232	2.0				
11.3	294	80	9931	1.9	NMRV	110	80M2-6	44.9
9	338	100	10320	1.5				
7.8	425	180	10320	1.8	NMRV	110+PC080	80M1-4	57.3
5.8	513	240	10320	1.3				
4.7	597	300	10320	1.0				
7.5	462	120	10320	2.6	NMRV	110+PC080	80M2-6	58.2
6.0	552	150	10320	2.0				
5.0	620	180	10320	1.6				
3.8	756	240	10320	1.1				
4.7	639	300	10320	2.0	NMRV	050/110	80M1-4	47.5
3.5	826	400	10320	1.4				
2.8	984	500	10320	1.1				
2.3	1181	600	10320	1.0				
1.9	1411	750	10320	0.9				
3.8	756	240	13500	1.6	NMRV	130+PC080	80M2-6	71.2
3.0	858	300	13500	1.3				
2.8	996	500	13500	1.6	NMRV	063/130	80M1-4	63.2
1.9	1471	750	13500	1.2				
1.2	2132	1200	13500	0.8				

技术参数

Technical Data

P₁ = 0.55 kW


N _A rpm	M ₂ Nm	i	Fr _{2MAX} [N]	f _s	Type	Gear unit	Motor size	 Kg
0.8	2638	1800	18000	0.8	NMRV	063/150	80M1-4	99.2
0.6	3182	2400	18000	0.8				

P₁ = 0.75 kW

560	12	5	1251	3.9	NMRV	050	80M1-2	12.6
373.3	17	7.5	1433	3.0				
280	23	10	1577	2.4				
186.7	33	15	1805	1.7				
140	42	20	1987	1.3				
112	51	25	2140	1.0				
93.3	58	30	2274	1.1	NMRV	050	80M2-4	13.5
280	23	5	1577	2.7				
186.7	34	7.5	1805	2.1				
140	44	10	1987	1.6				
93.3	63	15	2274	1.2				
70	81	20	2503	0.9	NMRV	063	80M1-2	15.3
140	43	20	2597	2.3				
112	52	25	2797	1.8				
93.3	60	30	2973	2.0				
70	77	40	3272	1.4				
56	91	50	3524	1.1				
46.7	104	60	3745	0.9	NMRV	063	80M2-4	16.2
93.3	64	15	2973	2.2				
70	83	20	3272	1.6				
56	100	25	3524	1.3				
46.7	114	30	3745	1.4				
35	143	40	4122	1.0	NMRV	063	90S-6	17.9
120	52	7.5	2734	2.9				
90	68	10	3009	2.3				
60	97	15	3444	1.6				
45	123	20	3791	1.2				
36	149	25	4084	0.9				
30	167	30	4339	1.0				
46.7	109	60	4421	1.3	NMRV	075	80M1-2	18.1
28	156	100	5241	0.8				
56	102	25	4160	2.0	NMRV	075	80M2-4	19.0
46.7	117	30	4421	2.0				
35	147	40	4865	1.5				
28	177	50	5241	1.2				
23.3	200	60	5569	1.0				


技术参数

Technical Data

P₁ = 0.75 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
60.0	98	15	4065	2.4	NMRV	075	90S-6	20.7
45.0	126	20	4474	1.9				
36.0	153	25	4820	1.4				
30.0	174	30	5122	1.5				
22.5	216	40	5637	1.1				
18.7	280	75	6000	0.9	NMRV	075+PC080	80M2-4	32.3
15.6	313	90	6375	1.0				
35	141	80	5383	1.6	NMRV	090	80M1-2	22.1
28	166	100	5799	1.2				
28	184	50	5799	1.8	NMRV	090	80M2-4	23.0
23.3	212	60	6163	1.5				
17.5	258	80	6783	1.1				
14	302	100	7306	0.9				
30	179	30	5667	2.6	NMRV	090	90S-6	24.7
22.5	226	40	6238	1.8				
18	271	50	6719	1.4				
15	306	60	7140	1.1				
15.6	327	90	7054	1.7	NMRV	090+PC080	80M2-4	36.3
11.7	405	120	7764	1.2				
9.3	483	150	8180	0.9				
7.8	543	180	8180	0.7				
7	549	400	8180	1.1	NMRV	040/090	80M1-2	24.4
5.6	642	500	8180	0.9				
17.5	274	80	8571	1.9	NMRV	110	80M2-4	45.0
14	322	100	9232	1.5				
15	325	60	9023	2.1	NMRV	110	90S-6	46.7
11.3	401	80	9931	1.4				
9	462	100	10320	1.1				
12.4	393	73	9641	3.2	NMRV	110+PC090	90S-6	60.0
9.3	508	96.8	10320	2.3				
7.4	607	121	10320	1.8				
6.2	682	145.2	10320	1.5				
4.6	832	193.6	10320	1.0				
9.3	446	300	10320	2.8	NMRV	050/110	80M1-2	47.6
7	563	400	10320	2.1				
5.6	687	500	10320	1.6				


技术参数

Technical Data

P₁ = 0.75 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
4.7	871	300	10320	1.5	NMRV	050/110	80M2-4	48.5
3.5	1126	400	10320	1.1				
11.3	407	80	12989	2.1	NMRV	130	90S-6	59.7
9	470	100	13500	1.7				
5.8	712	240	13500	1.4	NMRV	130+PC080	80M2-4	71.3
4.7	813	300	13500	1.1				
12.4	399	73	12575	4.4	NMRV	130+PC090	90S-6	73.0
9.3	508	96.8	13500	3.2				
7.4	607	121	13500	2.6				
6.2	682	145.2	13500	2.1				
4.6	832	193.6	13500	1.5				
3.7	944	242	13500	1.2				
2.8	1291	500	13500	1.1	NMRV	063/130	80M2-4	64.2
2.3	1529	600	13500	1.0				
1.9	2005	750	13500	0.9				
1.6	2283	900	13500	0.8				
2.8	1291	500	18000	1.8	NMRV	063/150	80M2-4	100.2
2.3	1529	600	18000	1.7				
1.9	1783	750	18000	1.3				
1.6	2215	900	18000	0.9				
1.2	2680	1200	18000	1.0				
560	17	5	1251	2.6	NMRV	050	80M2-2	13.7
373.3	25	7.5	1433	2.1				
280	33	10	1577	1.6				
186.7	48	15	1805	1.2				
140	62	20	1987	0.9				
186.7	48	15	2359	2.1	NMRV	063	80M2-2	16.4
140	63	20	2597	1.6				
112	77	25	2797	1.2				
93.3	88	30	2973	1.4				
70	113	40	3272	1.0				
120	76	7.5	2734	2.0	NMRV	063	90L-6	21.3
90	99	10	3009	1.5				
60	142	15	3444	1.1				
45	180	20	3791	0.8				


技术参数

Technical Data

P₁ = 1.1 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
186.7	50	7.5	2359	2.6	NMRV	063	90S-4	18.3
140	65	10	2597	2.0				
93.3	93	15	2973	1.5				
70	122	20	3272	1.1				
56	146	25	3524	0.9				
46.7	167	30	3745	1.0				
112	78	25	3302	1.9	NMRV	075	80M2-2	19.2
93.3	90	30	3509	1.9				
70	116	40	3862	1.4				
56	139	50	4160	1.1				
46.7	160	60	4421	0.9				
90	100	10	3551	2.3	NMRV	075	90L-6	24.1
60	144	15	1065	1.6				
45	184	20	4474	1.3				
36	225	25	4820	1.0				
30	256	30	5122	1.0				
93.3	96	15	3509	2.1	NMRV	075	90S-4	21.1
70	123	20	3862	1.7				
56	150	25	4160	1.3				
46.7	171	30	4421	1.3				
35	216	40	4865	1.0				
35	207	80	5383	1.1	NMRV	090	80M2-2	23.2
28	244	100	5799	0.8				
36	231	25	5333	1.6	NMRV	090	90L-6	28.1
30	263	30	5667	1.8				
22.5	331	40	6238	1.2				
18	397	50	6719	1.0				
15	448	60	7140	0.8				
35	225	40	5383	1.6	NMRV	090	90S-4	25.1
28	270	50	5799	1.3				
23.3	311	60	6163	1.0				
22.5	345	40	7882	2.3	NMRV	110	90L-6	50.1
18	414	50	8491	1.8				
15	476	60	9023	1.4				
11.3	588	80	9931	1.0				
28	281	50	7328	2.3	NMRV	110	90S-4	47.1
23.3	324	60	7787	1.9				
17.5	402	80	8571	1.3				
14	473	100	9232	1.0				


技术参数

Technical Data

P ₁ = 1.1 kW								
N_A rpm	M₂ Nm	i	Fr₂MAX [N]	f_s	Type	Gear unit	Motor size	 Kg
12.4	576	73	9614	2.2	NMRV	110+PC090	90L-6	63.4
9.3	746	96.8	10320	1.6				
7.4	890	121	10320	1.2				
6.2	1000	145.2	10320	1.0				
19.3	392	73	8298	2.5	NMRV	110+PC090	90S-4	60.4
14.5	508	96.8	9133	1.8				
11.6	599	121	9838	1.5				
9.6	686	145.2	10320	1.1				
7.2	828	193.6	10320	0.8				
9.3	654	300	10320	1.9	NMRV	050/110	80M2-2	48.7
7	845	400	10320	1.4				
5.6	1007	500	10320	1.1				
11.3	598	80	12989	1.4.	NMRV	130	90L-6	63.1
9	689	100	13500	1.1				
17.5	408	80	11210	2.1	NMRV	130	90S-4	60.1
14	480	100	12076	1.5				
12.4	585	73	12575	3.0	NMRV	130+PC090	90L-6	76.4
9.3	746	96.8	13500	2.2				
7.4	890	121	13500	1.7				
6.2	1000	145.2	13500	1.4				
4.6	1220	193.6	13500	1.0				
19.3	398	73	10853	3.5	NMRV	130+PC090	90S-4	73.4
14.5	508	96.8	11945	2.6				
11.6	608	121	12868	2.0				
9.6	686	145.2	13500	1.6				
7.2	843	193.6	13500	1.2				
5.8	962	242	13500	0.9				
4.7	1312	300	13500	1.3	NMRV	063/130	90S-4	66.3
3.5	1671	400	13500	1.0				
2.8	1991	500	13500	0.8				


技术参数

Technical Data

P ₁ = 1.1 kW								
N _A rpm	M ₂ Nm	i	Fr ₂ MAX[N]	f _s	Type	Gear unit	Motor size	 Kg
3.5	1619	400	18000	1.6	NMRV	063/150	90S-4	102.3
2.8	1893	500	18000	1.2				
2.3	2242	600	18000	1.2				
1.9	2616	750	18000	0.9				
P ₁ = 1.5 kW								
186.7	68	7.5	2359	1.9	NMRV	063	90L-4	20.8
140	89	10	2597	1.5				
93.3	127	15	2973	1.1				
70	166	20	3272	0.8				
373.3	35	7.5	1873	2.7	NMRV	063	90S-2	18.2
280	46	10	2061	2.1				
186.7	66	15	2359	1.6				
140	86	20	2597	1.2				
112	102	25	2797	0.9				
93.3	120	30	2973	1.0				
120	105	7.5	3227	2.0	NMRV	075	100L-6	28.1
90	137	10	3551	1.7				
60	196	15	4065	1.2				
140	90	10	3065	2.2	NMRV	075	90L-4	23.6
93.3	130	15	3509	1.5				
70	168	20	3862	1.3				
56	205	25	4160	1.0				
46.7	233	30	4421	1.0				
280	46	10	2433	3.1	NMRV	075	90S-2	21.0
186.7	67	15	2785	2.2				
140	87	20	3065	1.8				
112	106	25	3302	1.4				
93.3	123	30	3509	1.4				
70	158	40	3862	1.0				
56	194	50	4603	1.4	NMRV	090	90S-2	25.0
46.7	227	60	4891	1.1				
90	138	10	3929	2.7	NMRV	090	100L-6	32.1
60	201	15	4498	2.1				
45	258	20	4951	1.5				
36	314	25	5333	1.2				
30	358	30	5667	1.3				


技术参数

Technical Data

P₁ = 1.5 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
70	172	20	4273	2.1	NMRV	090	90L-4	27.6
56	210	25	4603	1.6				
46.7	239	30	4891	1.7				
35	307	40	5383	1.2				
28	368	50	5799	0.9				
23.3	424	60	6163	0.8				
45	264	20	6256	2.7	NMRV	110	100L-6	54.1
36	322	25	6739	2.4				
30	363	30	7161	2.3				
22.5	471	40	7882	1.7				
18	565	50	8491	1.3				
15	649	60	9023	1.1				
35	319	40	6803	2.2	NMRV	110	90L-4	49.6
28	384	50	7328	1.7				
23.3	442	60	7787	1.4				
17.5	548	80	8571	0.9				
46.7	236	60	6181	2.0	NMRV	110	90S-2	47.0
35	299	80	6803	1.3				
28	353	100	7328	1.0				
19.3	535	73	8298	1.9	NMRV	110+PC090	90L-4	49.6
14.5	693	96.8	9133	1.3				
11.6	817	121	9838	1.1				
9.6	936	145.2	10320	0.8				
9.3	891	300	10320	1.4	NMRV	050/110	90S-2	50.5
7	1153	400	10320	1.0				
5.6	1373	500	10320	0.8				
22.5	478	40	10309	2.3	NMRV	130	100L-6	67.1
18	573	50	11105	1.8				
15	659	60	11801	1.4				
11.3	815	80	12989	1.1				
17.5	557	80	11210	1.5	NMRV	130	90L-4	62.6
14	655	100	12076	1.1				
19.3	542	73	10853	2.6	NMRV	130+PC090	90L-4	75.9
14.5	693	96.8	11945	1.9				
11.6	830	121	12868	1.5				
9.6	936	145.2	13500	1.1				
7.2	1149	194	13500	0.8				
9.3	915	300	13500	1.9	NMRV	063/130	90S-2	66.2
7	1166	400	13500	1.4				
5.6	1389	500	13500	1.1				


技术参数

Technical Data

P ₁ = 1.5 kW								
N _A rpm	M ₂ Nm	i	Fr ₂ MAX[N]	f _s	Type	Gear unit	Motor size	 Kg
4.7	1789	300	13500	1.0	NMRV	063/130	90L-4	68.8
3.5	2279	400	13500	0.7				
9.3	1026	150	18000	2.3	NMRV	063/150	90L-4	104.8
7	1317	200	18000	1.8				
5.6	1602	250	18000	1.3				
4.7	1860	300	18000	1.3				
3.5	2208	400	18000	1.2				
2.5	2582	500	18000	0.9				
2.3	3057	600	18000	0.9				
P ₁ = 2.2 kW								
373.3	51	7.5	1873	1.8	NMRV	063	90L 1-2	21.2
280	67	10	2061	1.5				
186.7	97	15	2359	1.1				
186.7	100	7.5	2785	1.8	NMRV	075	100L1-4	30.0
140	132	10	3065	1.5				
93.3	191	15	3509	1.0				
373.3	51	7.5	2210	2.5	NMRV	075	90L 1-2	24
280	68	10	2433	2.1				
186.7	98	15	2785	1.5				
140	128	20	3065	1.3				
112	156	25	3302	1.0				
93.3	180	30	3509	0.9				
186.7	101	7.5	3081	2.9	NMRV	090	100L1-4	34.0
140	134	10	3391	2.3				
93.3	194	15	3882	1.9				
70	252	20	4273	1.4				
56	308	25	4603	1.1				
46.7	351	30	4891	1.2				
120	156	7.5	3570	2.2	NMRV	090	112M-6	38.4
90	203	10	3929	1.8				
60	294	15	4498	1.4				
45	378	20	4951	1.0				
140	131	20	3391	2.0	NMRV	090	90L 1-2	28.0
112	159	25	3653	1.6				
93.3	185	30	3882	1.7				
70	237	40	4273	1.2				
56	285	50	4603	0.9				


技术参数

Technical Data

P₁ = 2.2 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
70	255	20	5399	2.5	NMRV	110	100L1-4	56.0
56	315	25	5816	2.2				
46.7	356	30	6181	2.0				
35	468	40	6803	1.5				
28	563	50	7328	1.2				
23.3	648	60	7787	1.0				
90	205	10	4965	3.5	NMRV	110	112M-6	60.4
60	298	15	5684	2.6				
45	388	20	6256	1.9				
36	473	25	6739	1.6				
30	532	30	7161	1.6				
112	163	25	4616	3.1	NMRV	110	90L1-2	47.0
93.3	187	30	4905	3.0				
70	246	40	5399	2.1				
56	296	50	5816	1.7				
46.7	347	60	6181	1.4				
38.6	398	73	6586	2.1	NMRV	110+PC090	90L1-2	63.3
28.9	516	96.8	7249	1.5				
23.1	617	121	7809	1.2				
35	468	40	8897	2.2	NMRV	130	100L1-4	69
28	563	50	9584	1.7				
23.3	648	60	10185	1.1				
17.5	816	80	11210	1.0				
36	479	25	8814	2.2	NMRV	130	112M-6	73.4
30	546	30	9366	2.1				
22.5	700	40	10309	1.6				
18	840	50	11105	1.2				
15	966	60	11801	1.0				
35	438	80	8897	1.3	NMRV	130	90L1-2	63.0
28	525	100	9584	1.0				
38.6	409	73	8614	2.9	NMRV	130+PC090	90L1-2	76.3
28.9	545	96.8	9481	2.0				
23.1	654	121	10213	1.6				
19.3	752	145.2	10853	1.3				
28	570	50	13103	2.5	NMRV	150	100L1-4	105
23.3	657	60	13924	1.9				
17.5	816	80	15325	1.4				
14	960	100	16508	1.0				


技术参数

Technical Data

P₁ = 3.0 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
373.3 280	70 92	7.5 10	2210 2433	1.98 1.6	NMRV	075	100L-2	31.3
186.7 140 93.3	137 180 261	7.5 10 15	2785 3065 3509	1.4 1.1 0.8				
373.3 280	71 92	7.5 10	2446 2692	3.0 2.6	NMRV	090	100L-2	35.3
186.7 140 93.3 70 56 46.7	138 182 264 344 420 479	7.5 10 15 20 25 30	3081 3391 3882 4273 4603 4891	2.1 1.7 1.4 1.0 0.8 0.9				
93.3 70 56 46.7 35 28	264 348 430 485 638 767	15 20 25 30 40 50	4905 5399 5816 6181 6803 7328	2.5 1.9 1.6 1.5 1.1 0.9	NMRV	110	100L2-4	56.0
120 90 60 45	212 280 406 528	7.5 10 15 20	4511 4965 5684 6256	3.1 2.5 1.9 1.4				
56 46.7 35 28 23.3 17.5	430 491 638 767 884 1113	25 30 40 50 60 80	7607 8084 8897 9584 10185 11210	2.2 2.1 1.6 1.3 1.0 0.8	NMRV	130	100L2-4	72.7
90 60 45 36 30 22.5	280 406 535 653 745 955	10 15 20 25 30 40	6494 7434 8182 8814 9366 10309	3.4 2.6 1.9 1.6 1.6 1.2				
28 23.3 17.5 14	778 896 1113 1310	50 60 80 100	13103 13924 15325 16508	1.8 1.4 1.0 0.8	NMRV	150	100L2-4	108.7

技术参数


Technical Data

P₁ = 4 kW								
N_A rpm	M₂ Nm	i	Fr_{2MAX} [N]	f_s	Type	Gear unit	Motor size	 Kg
373.3 280	93 123	7.5 10	2210 2433	1.4 1.2	NMRV	075	112M-2	35.7
186.7 140	182 240	7.5 10	2785 3065	1.0 0.8				
373.3 280	94 123	7.5 10	2446 2692	2.2 1.9	NMRV	090	112M-2	39.7
186.7 140 93.3 70	184 243 352 458	7.5 10 15 20	3081 3391 3882 4273	1.6 1.3 1.0 0.8				
140 93.3 70 56 46.7	243 352 464 573 647	10 15 20 25 30	4285 4905 5399 5816 6181	2.5 1.9 1.4 1.2 1.1	NMRV	110	112M-4	65.5
120 90 60	283 374 541	7.5 10 15	4511 4965 5684	2.3 1.9 1.4				
56 46.7 35 28 23.3	573 655 851 1023 1179	25 30 40 50 60	7607 8084 8897 9584 10185	1.6 1.6 1.2 1.0 0.8	NMRV	130	112M-4	78.5
120 90 60 45 36	287 374 541 713 870	7.5 10 15 20 25	5901 6494 7434 8182 8814	3.1 2.6 2.0 1.5 1.2				
28 23.3 17.5	1037 1195 1484	50 60 80	13103 13924 15325	1.4 1.1 0.8	NMRV	150	112M-4	114.5
186.7 140 93.3 70	253 334 484 638	7.5 10 15 20	3893 4285 4905 5399	2.2 1.8 1.4 1.0				
140 93.3 70	334 490 645	10 15 20	5605 6416 7062	2.5 1.9 1.4	NMRV	130	132S-4	88.4

P₁ = 5.5 kW

技术参数

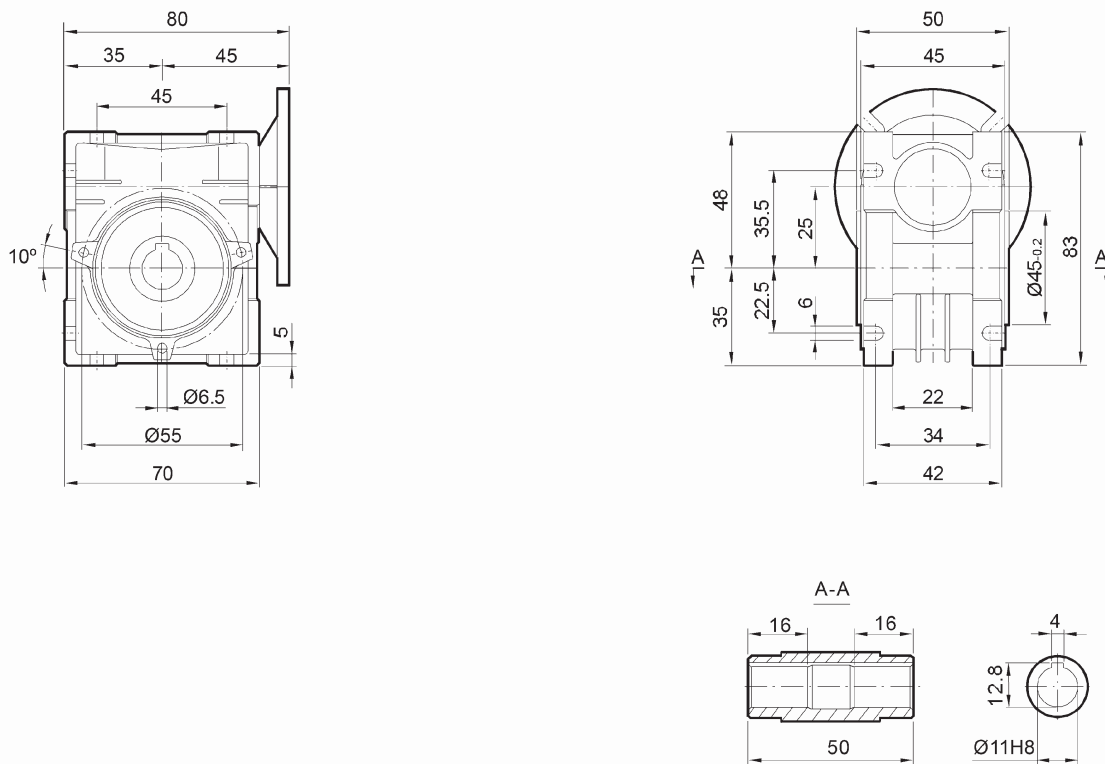
Technical Data

P ₁ = 5.5 kW								
N _A rpm	M ₂ Nm	i	Fr ₂ MAX[N]	f _s	Type	Gear unit	Motor size	 Kg
56	788	25	7607	1.2	NMRV	130	132S-4	88.4
46.7	900	30	8084	1.2				
35	1171	40	8897	0.9				
70	645	20	9654	2.0	NMRV	150	132S-4	124.4
56	788	25	10400	1.5				
46.7	934	30	11051	1.3				
35	1171	40	12163	1.3				
38	1426	50	13103	1.0				
23.3	1634	60	13924	0.8				
P ₁ = 7.5 kW								
186.7	345	7.5	3893	1.6	NMRV	110	132M-4	84.6
140	455	10	4285	1.3				
93.3	660	15	4905	1.0				
186.7	349	7.5	5092	2.1	NMRV	130	132M-4	97.6
140	455	10	5605	1.8				
93.3	668	15	6416	1.4				
70	880	20	7062	1.0				
56	1074	25	7607	0.9				
46.7	1228	30	8084	0.8				
35	1596	40	8897	0.7				
70	880	20	9654	1.5	NMRV	150	132M-4	133.6
56	1074	25	10400	1.1				
46.7	1274	30	11051	0.9				
35	1596	40	12163	1.0				
P ₁ = 11 kW								
186.7	512	7.5	6962	2.3	NMRV	150	160M-4	162
140	675	10	7663	1.8				
93.3	990	15	8771	1.3				
70	1291	20	9654	1.0				
56	1576	25	10400	0.8				
P ₁ = 15 kW								
186.7	698	7.5	6962	1.7	NMRV	150	160L-4	182
140	921	10	7663	1.3				
93.3	1351	15	8771	0.9				
70	1760	20	9654	0.7				

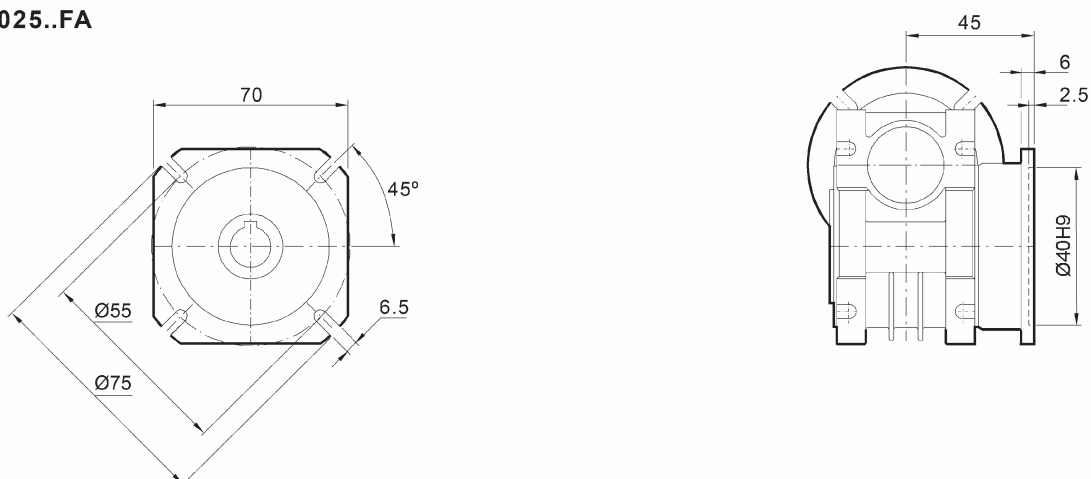
安装尺寸

Mounting Dimensions

NMRV025..



NMRV025..FA



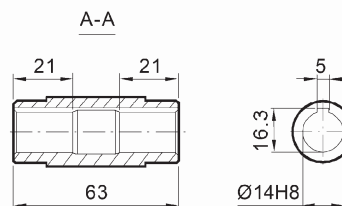
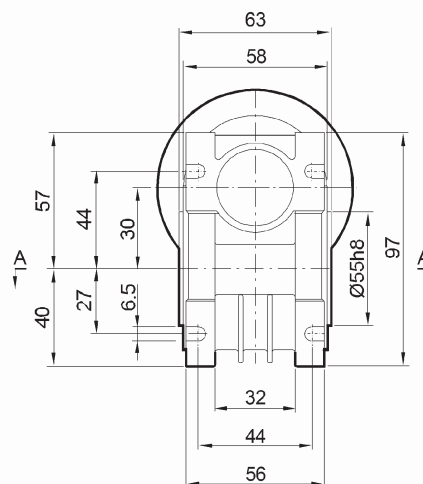
注意:

- 1 输入法兰尺寸详见76页;
- 2 减速器重量约0.7KG;
- 3 铝合金箱体。

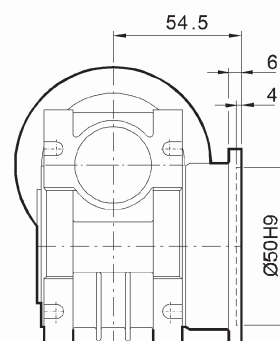
ATTENTION

- 1 input flange dimensions shown on page 76;
- 2 worm gear reducer approximable weight 0.7 kg;
- 3 aluminium housing.

Mounting Dimensions



Technical drawing of a square flange with chamfers and holes. The drawing shows a square flange with a central circular hole. The outer square has a side length of 70. The inner circular hole has a diameter of $\varnothing 68$. The flange has chamfers on all four corners, with a chamfer angle of 45° and a chamfer width of 6.5. The drawing also shows a square with a side length of 80, which is the bounding box of the flange including the chamfers.



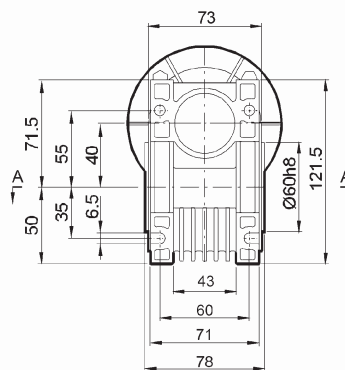
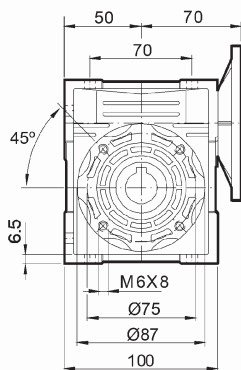
ATTENTION

- 1 input flange dimensions shown on page 76;
2 worm gear reducer approximable weight 1.2 kg;
3 aluminium housing.

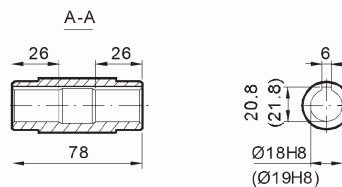
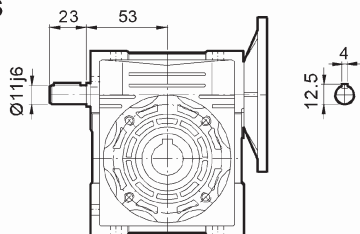
安装尺寸

Mounting Dimensions

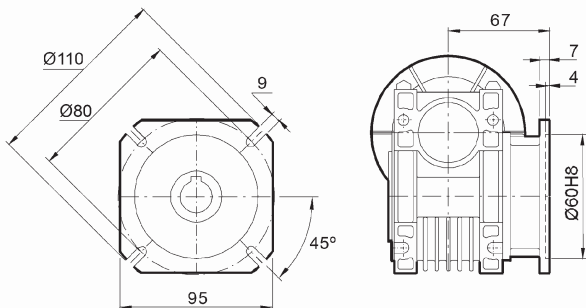
NMRV040..



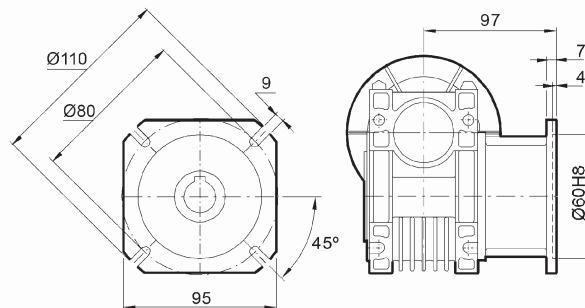
NMRV040..VS



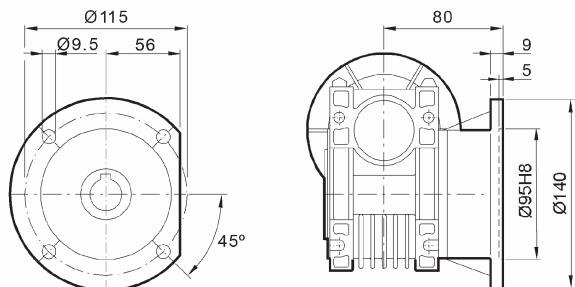
NMRV040..FA



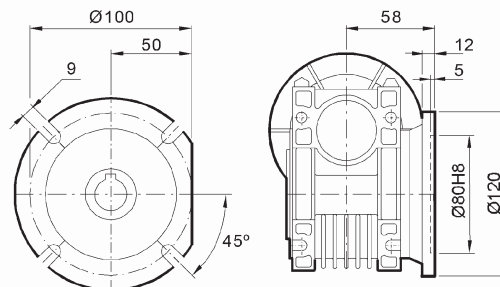
NMRV040..FB



NMRV040..FC



NMRV040..FD



注意:

- 1 输入法兰尺寸详见76页;
- 2 减速机重量约2.3KG;
- 3 铝合金箱体;
- 4 括号内尺寸按需生产。

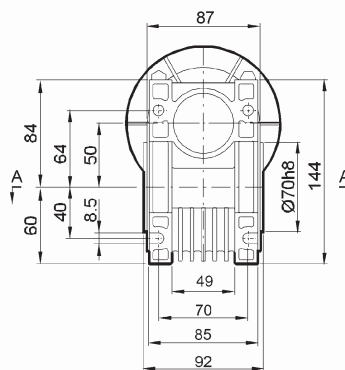
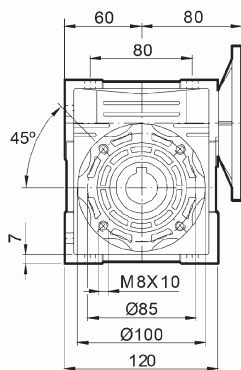
ATTENTION

- 1 input flange dimensions shown on page 76;
- 2 worm gear reducer approximable weight 2.3 kg;
- 3 aluminium housing;
- 4 bracket dimensions on request .

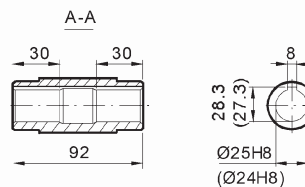
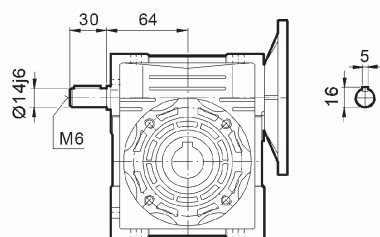
安装尺寸

Mounting Dimensions

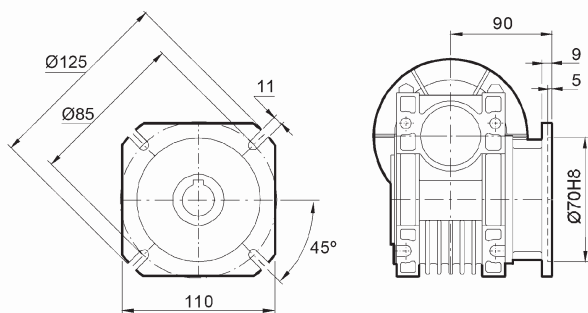
NMRV050..



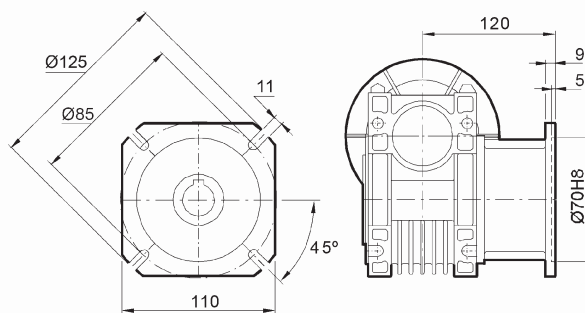
NMRV050..VS



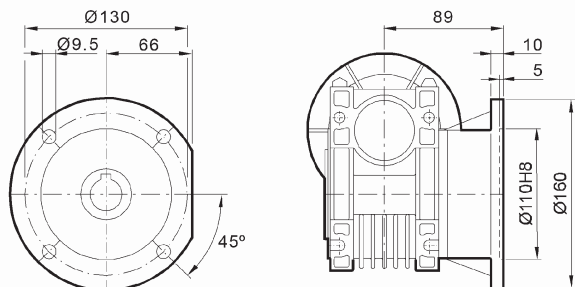
NMRV050..FA



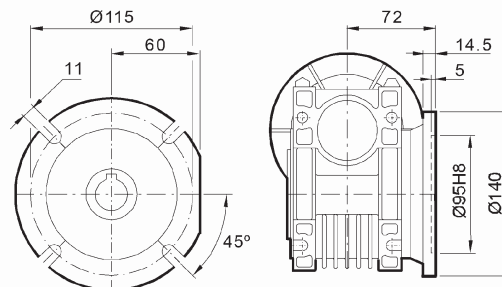
NMRV050..FB



NMRV050..FC



NMRV050..FD



注意:

- 1 输入法兰尺寸详见76页;
- 2 减速器重量约3.5KG;
- 3 铝合金箱体;
- 4 括号内尺寸按需生产。

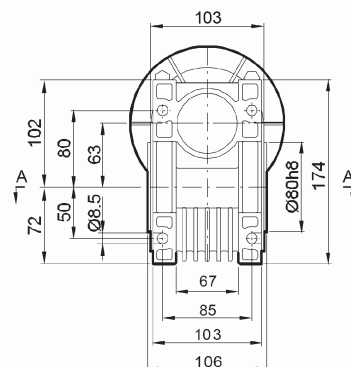
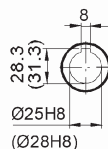
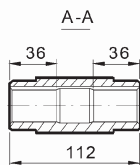
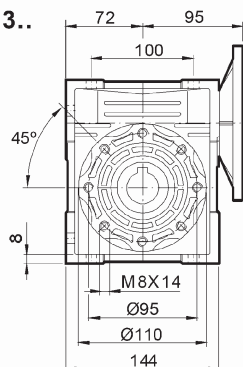
ATTENTION

- 1 input flange dimensions shown on page 76;
- 2 worm gear reducer approximable weight 3.5 kg;
- 3 aluminium housing;
- 4 bracket dimensions on request .

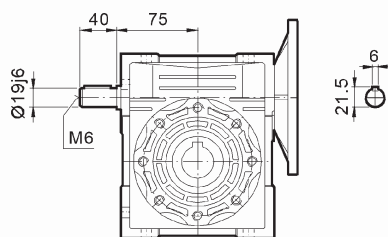
安装尺寸

Mounting Dimensions

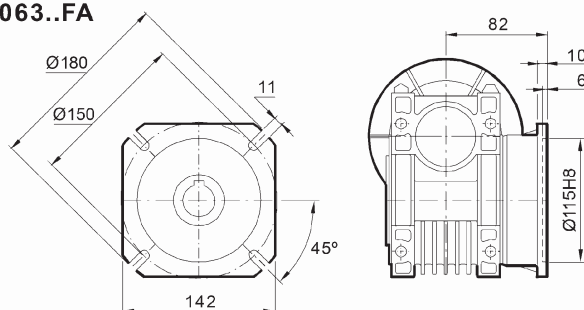
NMRV063..



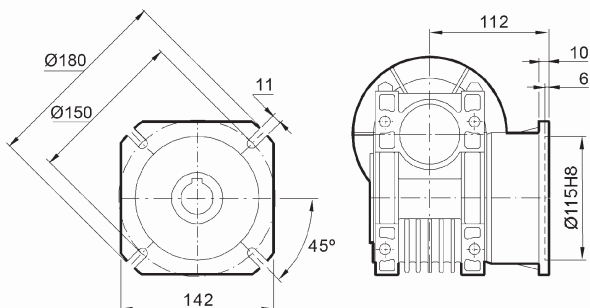
NMRV063..VS



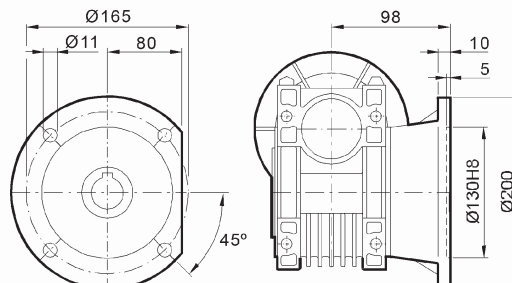
NMRV063..FA



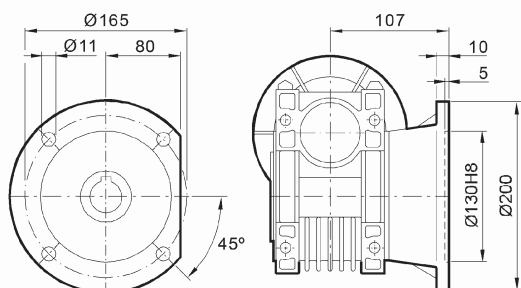
NMRV063..FB



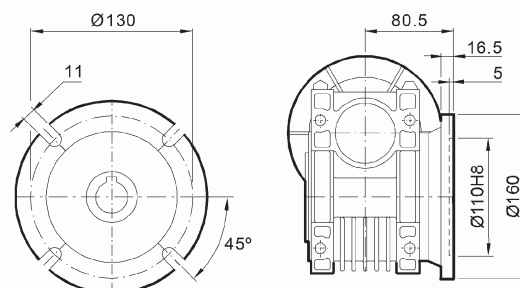
NMRV063..FC



NMRV063..FD



NMRV063..FE



注意:

- 1 输入法兰尺寸详见76页;
- 2 减速器重量约6.2KG;
- 3 铝合金箱体;
- 4 括号内尺寸按需生产。

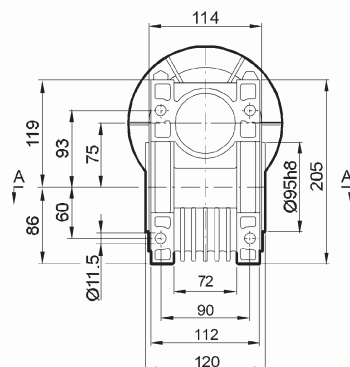
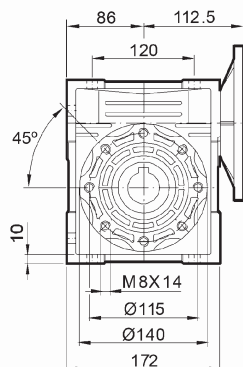
ATTENTION

- 1 input flange dimensions shown on page 76;
- 2 worm gear reducer approximable weight 6.2 kg;
- 3 aluminium housing;
- 4 bracket dimensions on request .

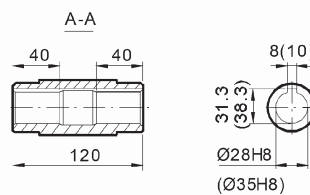
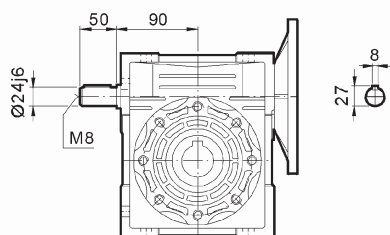
安装尺寸

Mounting Dimensions

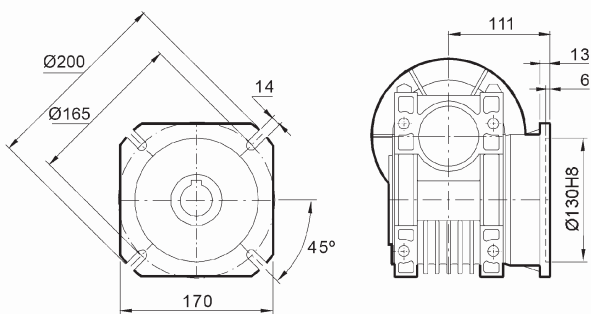
NMRV075..



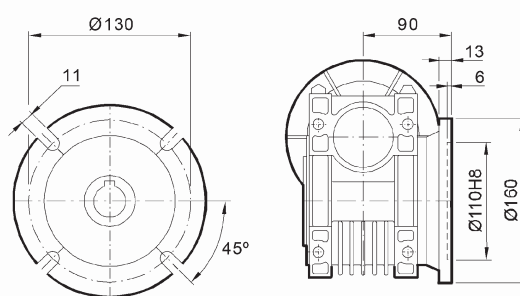
NMRV075..VS



NMRV075..FA



NMRV075..FB



注意:

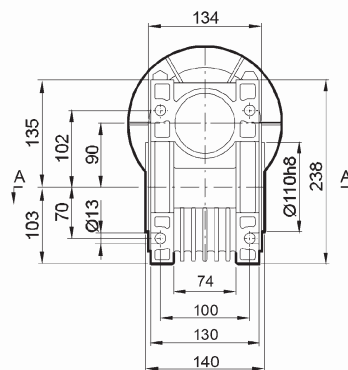
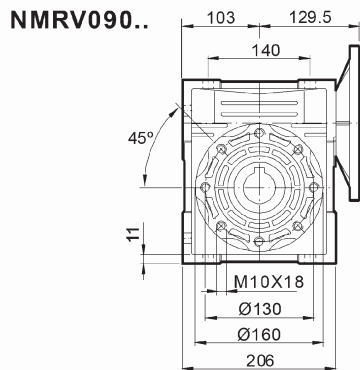
- 1 输入法兰尺寸详见76页;
- 2 减速机重量约9KG;
- 3 铝合金箱体;
- 4 括号内尺寸按需生产。

ATTENTION

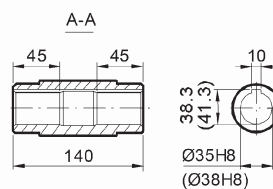
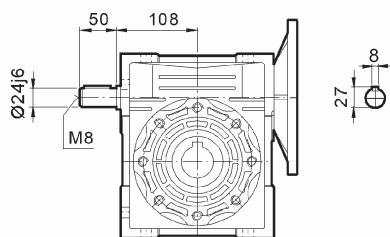
- 1 input flange dimensions shown on page 76;
- 2 worm gear reducer approximable weight 9 kg;
- 3 aluminium housing;
- 4 bracket dimensions on request .

安装尺寸

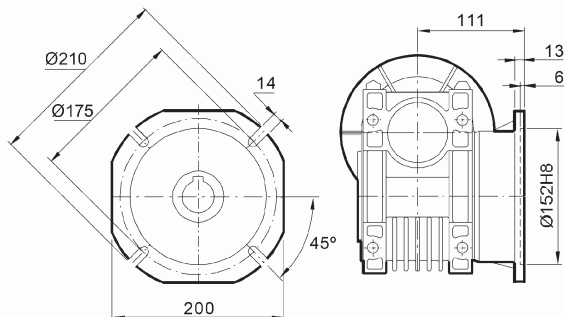
Mounting Dimensions



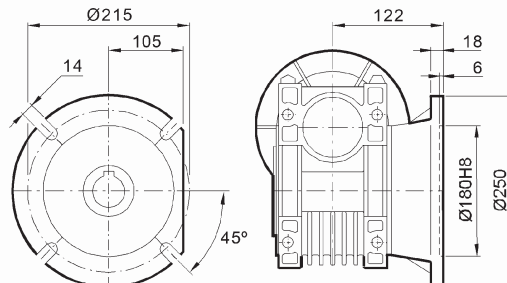
NMRV090..VS



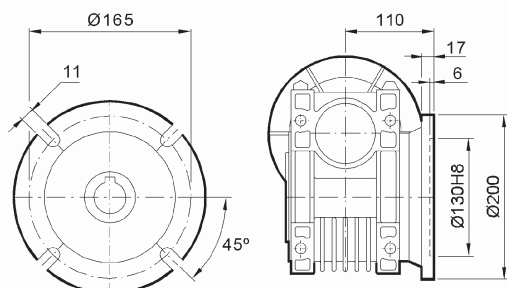
NMRV090..FA



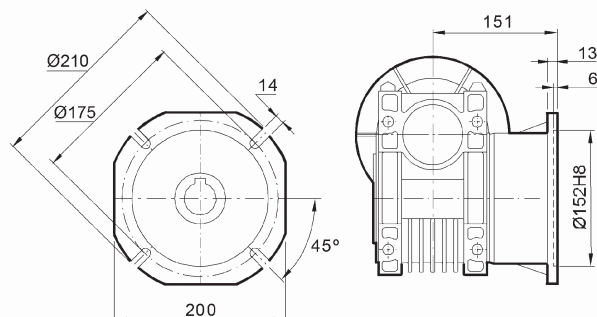
NMRV090..FB



NMRV090..FC



NMRV090..FD



注意:

- 1 输入法兰尺寸详见76页;
- 2 减速器重量约13KG;
- 3 铝合金箱体;
- 4 括号内尺寸按需生产。

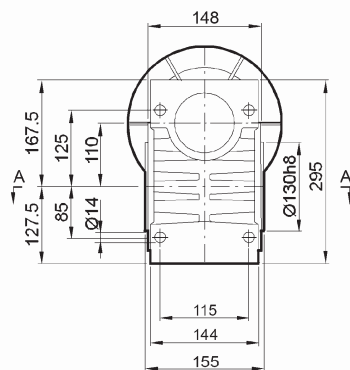
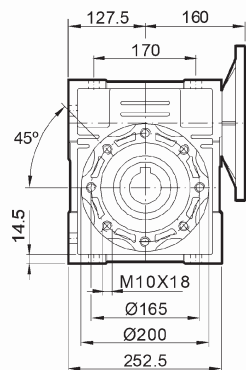
ATTENTION

- 1 input flange dimensions shown on page 76;
- 2 worm gear reducer approximable weight 13 kg;
- 3 aluminium housing;
- 4 bracket dimensions on request .

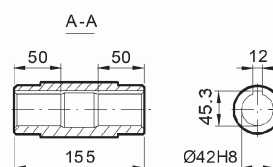
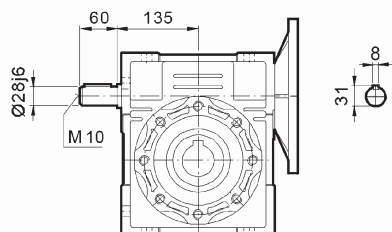
安装尺寸

Mounting Dimensions

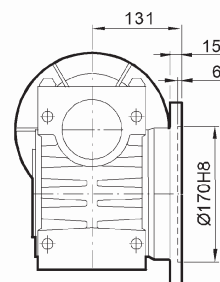
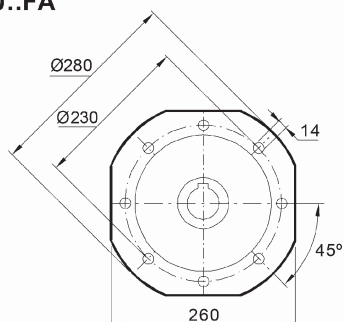
NMRV110..



NMRV110..VS



NMRV110..FA



注意:

- 1 输入法兰尺寸详见76页;
- 2 减速机重量约35KG;
- 3 铸铁箱体。

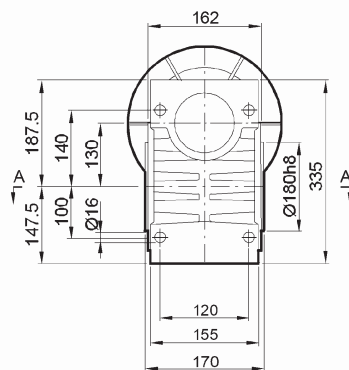
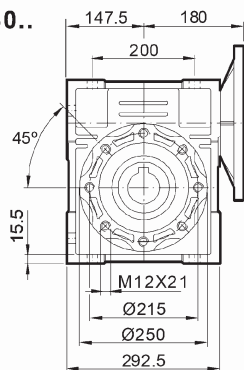
ATTENTION

- 1 input flange dimensions shown on page 76;
- 2 worm gear reducer approximable weight 35 kg;
- 3 casting iron housing.

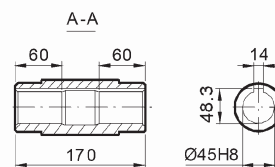
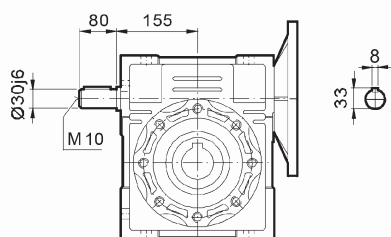
安装尺寸

Mounting Dimensions

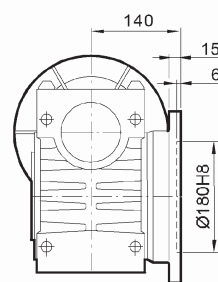
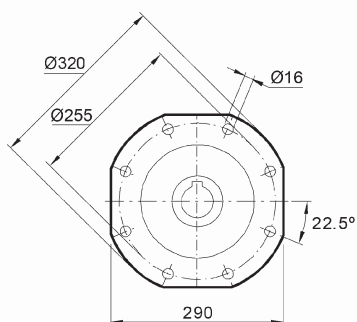
NMRV130..



NMRV130..VS



NMRV130..FA



注意:

- 1 输入法兰尺寸详见76页;
- 2 减速器重量约48KG;
- 3 铸铁箱体。

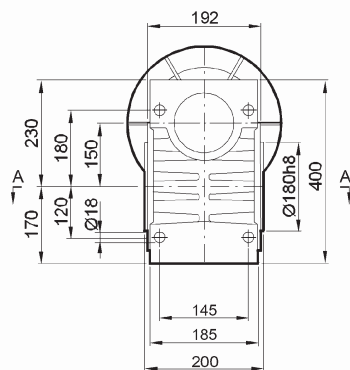
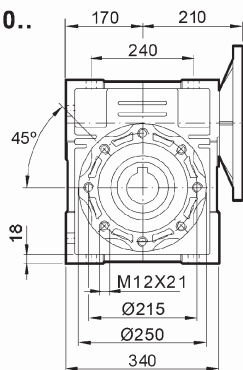
ATTENTION

- 1 input flange dimensions shown on page 76;
- 2 worm gear reducer approximable weight 48 kg;
- 3 casting iron housing.

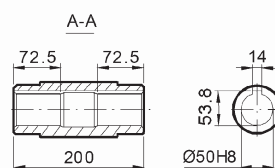
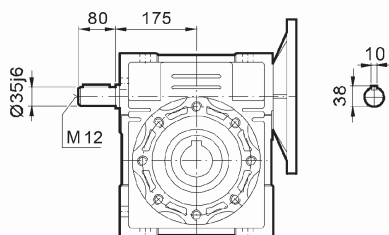
安装尺寸

Mounting Dimensions

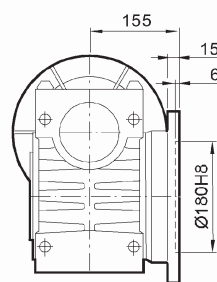
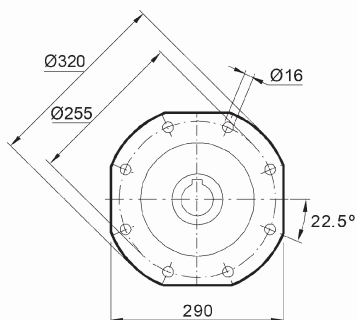
NMRV150..



NMRV150..VS



NMRV150..FA



注意:

- 1 输入法兰尺寸详见76页;
- 2 减速机重量约84KG;
- 3 铸铁箱体。

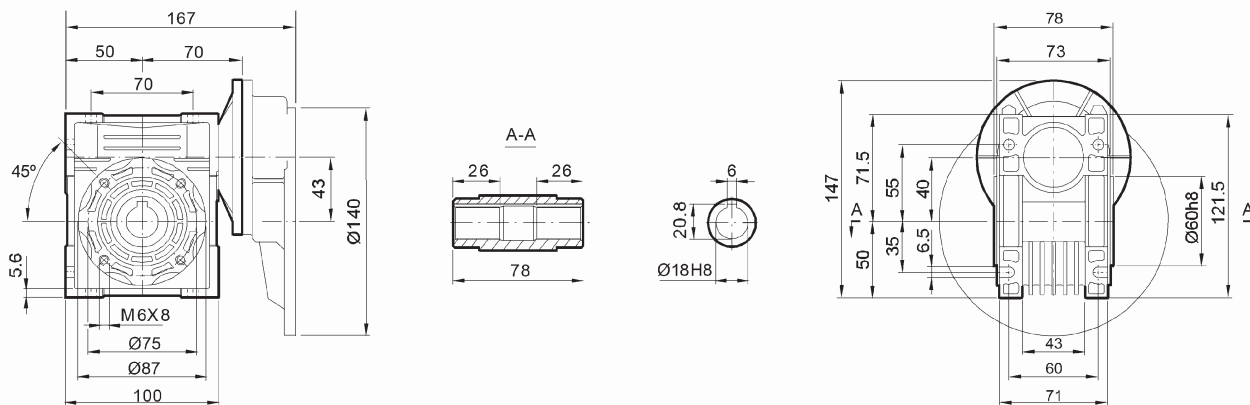
ATTENTION

- 1 input flange dimensions shown on page 76;
- 2 worm gear reducer approximable weight 84 kg;
- 3 casting iron housing.

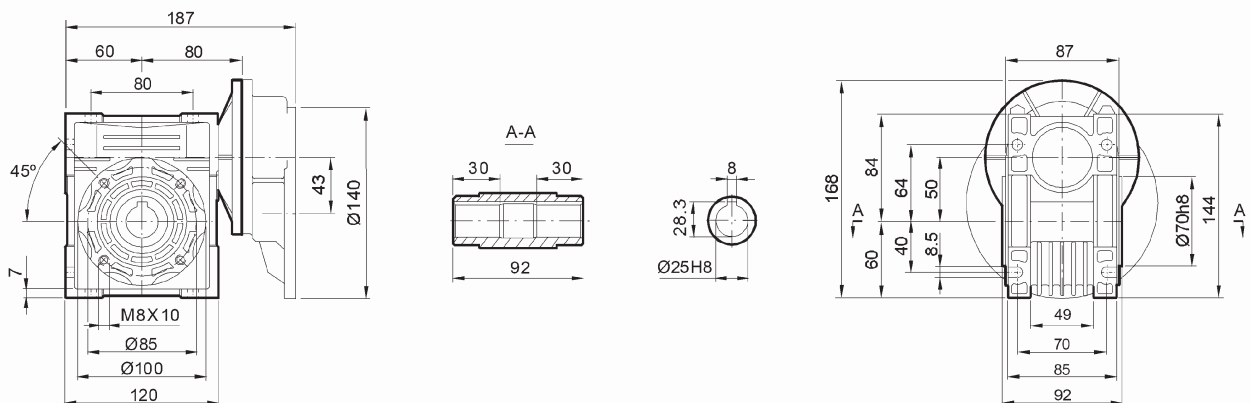
安装尺寸

Mounting Dimensions

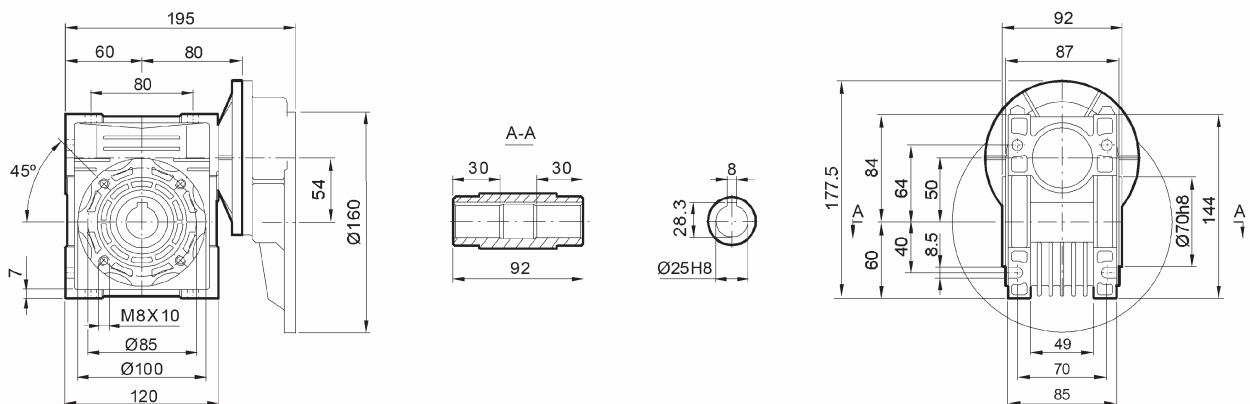
NMRV040+PC063..



NMRV050+PC063..



NMRV050+PC071..



注意:

- 1 输出法兰尺寸, 详见对应的NMRV机型;
- 2 延伸轴尺寸, 详见对应的NMRV机型;

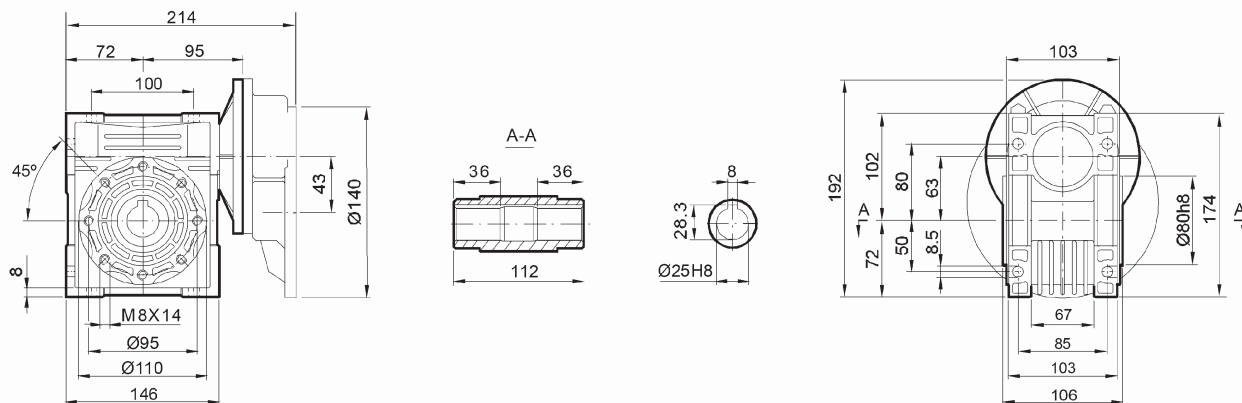
ATTENTION

- 1 for output flange dimensions, consider relevant NMRV size;
- 2 for extensional worm shaft, consider relevant NMRV size;

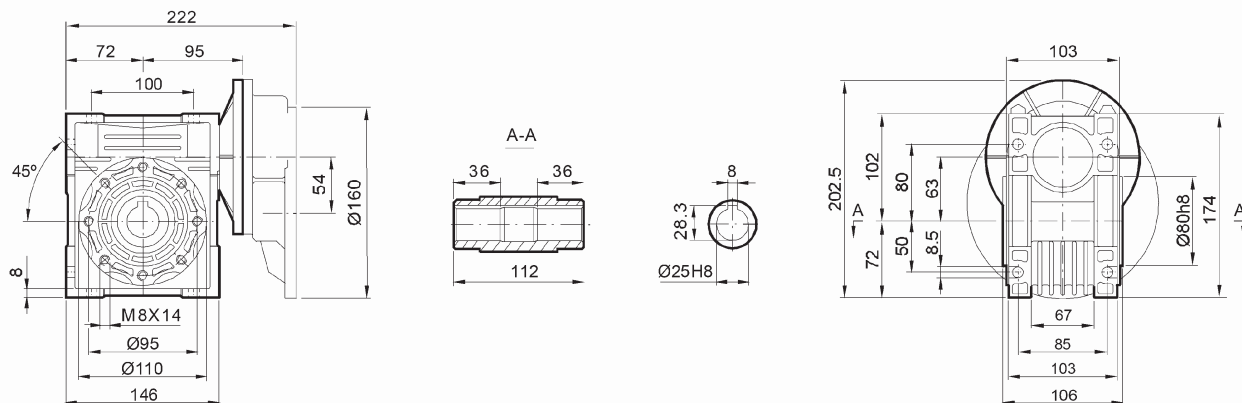
安装尺寸

Mounting Dimensions

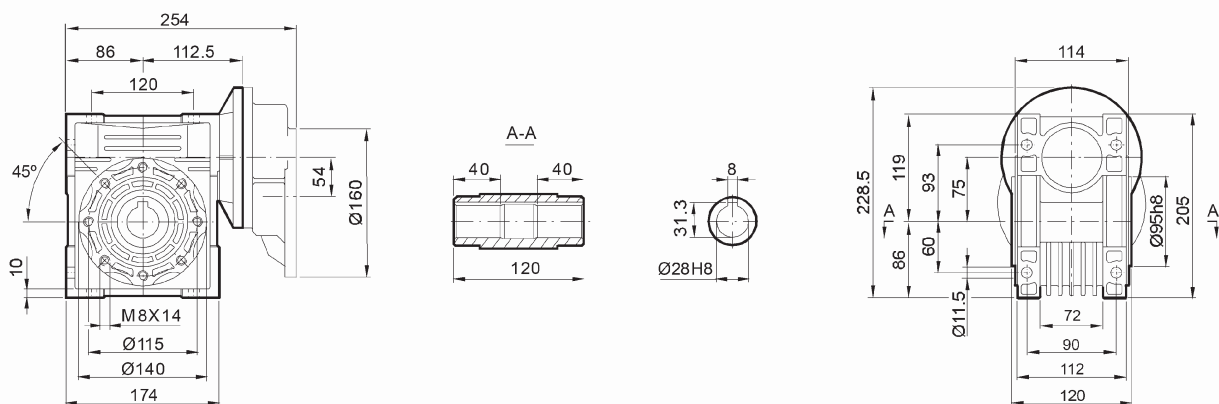
NMRV063+PC063..



NMRV063+PC071..



NMRV075+PC071..



注意:

- 1 输出法兰尺寸, 详见对应的NMRV机型;
- 2 延伸轴尺寸, 详见对应的NMRV机型;

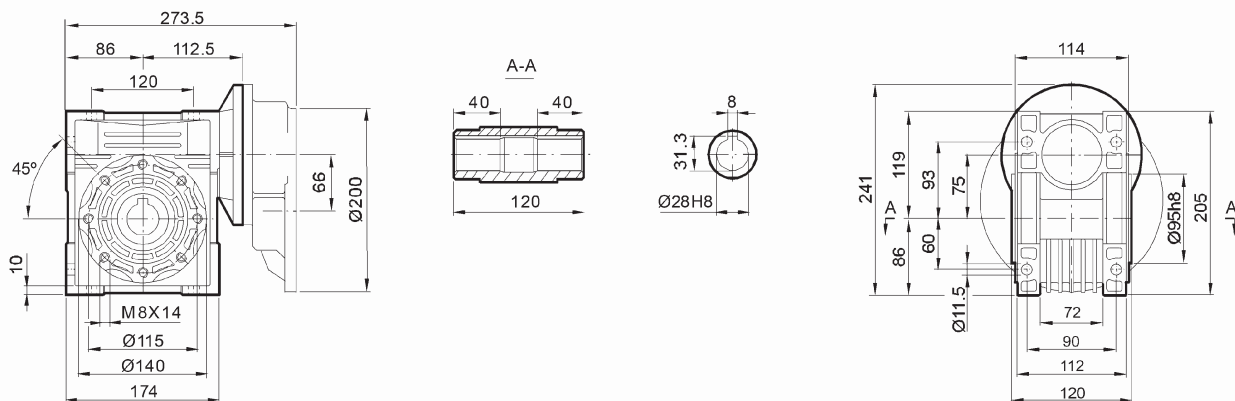
ATTENTION

- 1 for output flange dimensions, consider relevant NMRV size;
- 2 for extensional worm shaft, consider relevant NMRV size;

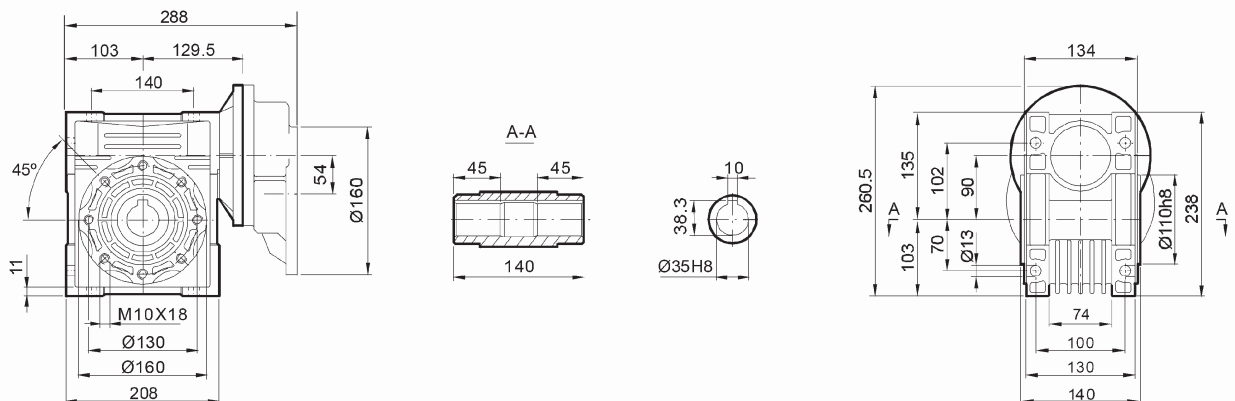
安装尺寸

Mounting Dimensions

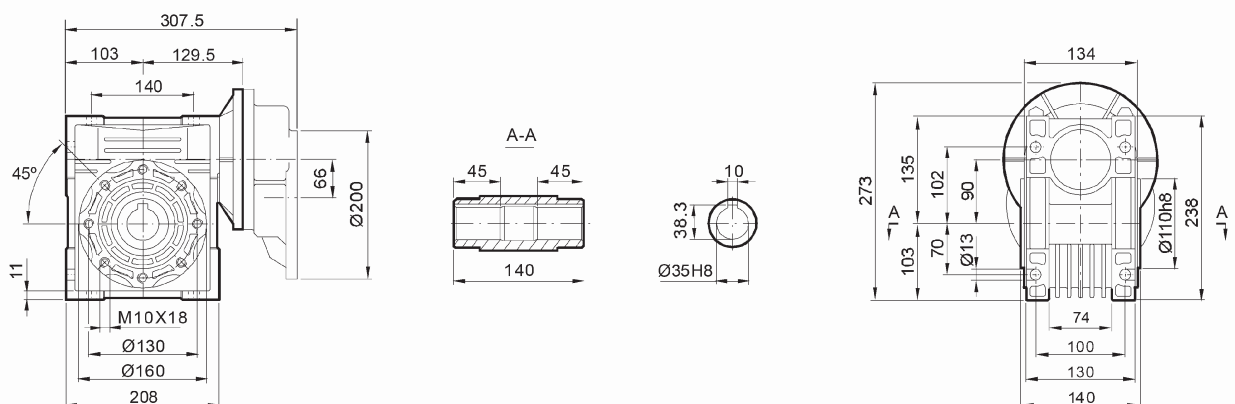
NMRV075+PC080..



NMRV090+PC071..



NMRV090+PC080..



注意:

- 1 输出法兰尺寸, 详见对应的NMRV机型;
- 2 延伸轴尺寸, 详见对应的NMRV机型;

ATTENTION

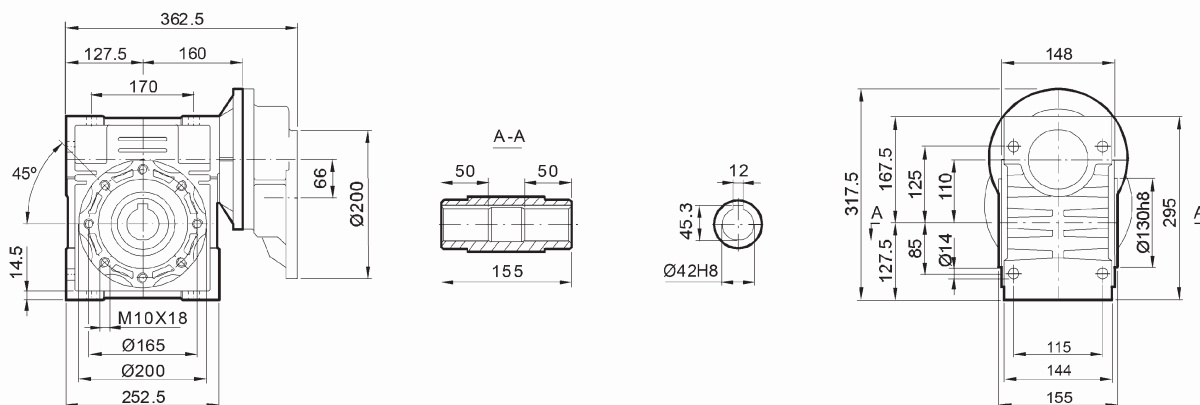
- 1 for output flange dimensions, consider relevant NMRV size;
- 2 for extensional worm shaft, consider relevant NMRV size;

安装尺寸

Mounting Dimensions

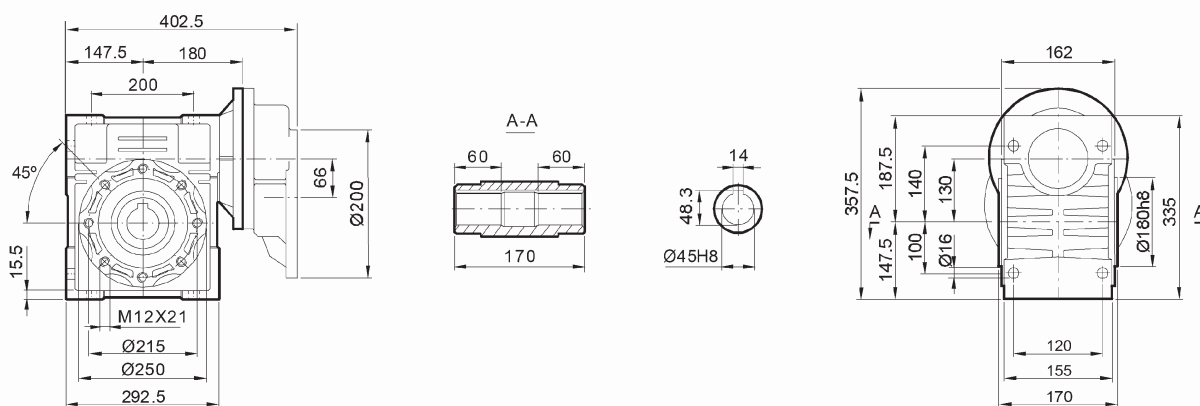
NMRV110+PC080..

NMRV110+PC090..



NMRV130+PC080..

NMRV130+PC090..



注意:

- 1 输出法兰尺寸, 详见对应的NMRV机型;
- 2 延伸轴尺寸, 详见详见对应的NMRV机型;

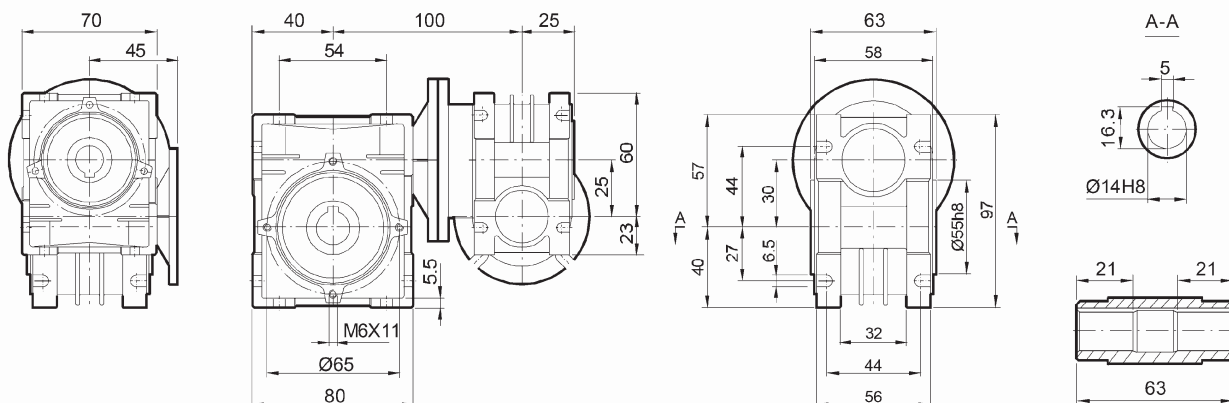
ATTENTION

- 1 for output flange dimensions, consider relevant NMRV size;
2 for extensional worm shaft, consider relevant NMRV size;

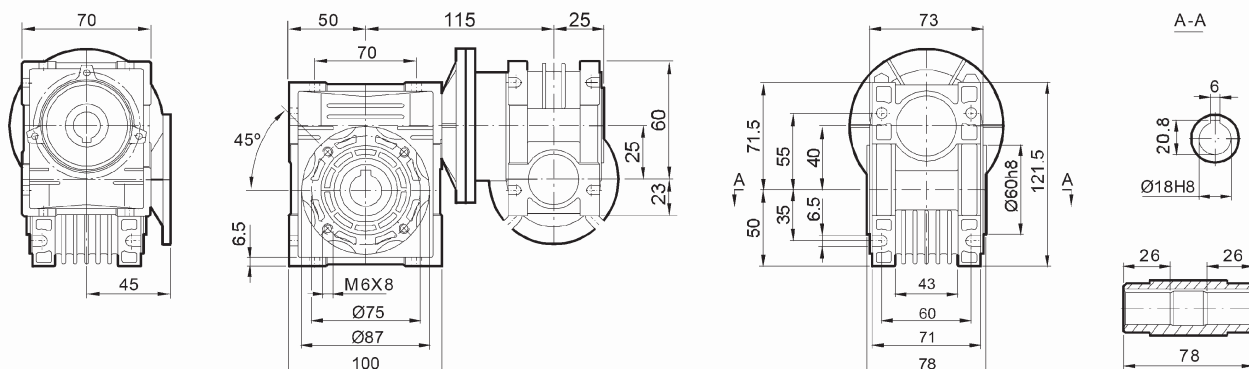
安装尺寸

Mounting Dimensions

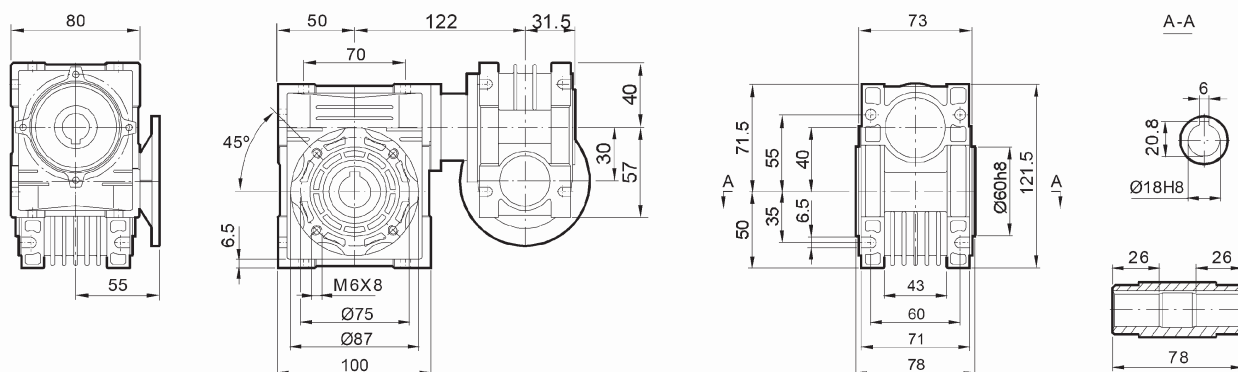
NMRV025/030



NMRV025/040



NMRV030/040



注意:

- 1 输出法兰尺寸, 详见对应的NMRV机型;
- 2 延伸轴尺寸, 详见对应的NMRV机型;

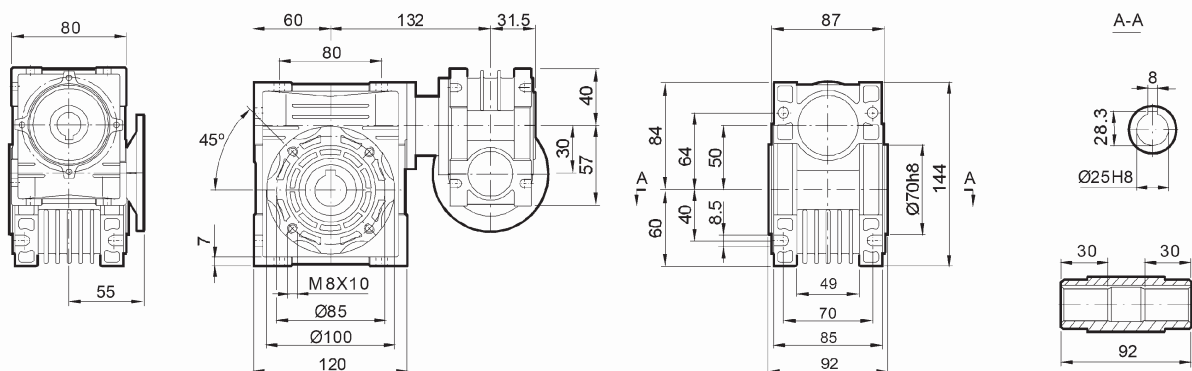
ATTENTION

- 1 for output flange dimensions, consider relevant NMRV size;
- 2 for extensional worm shaft, consider relevant NMRV size;

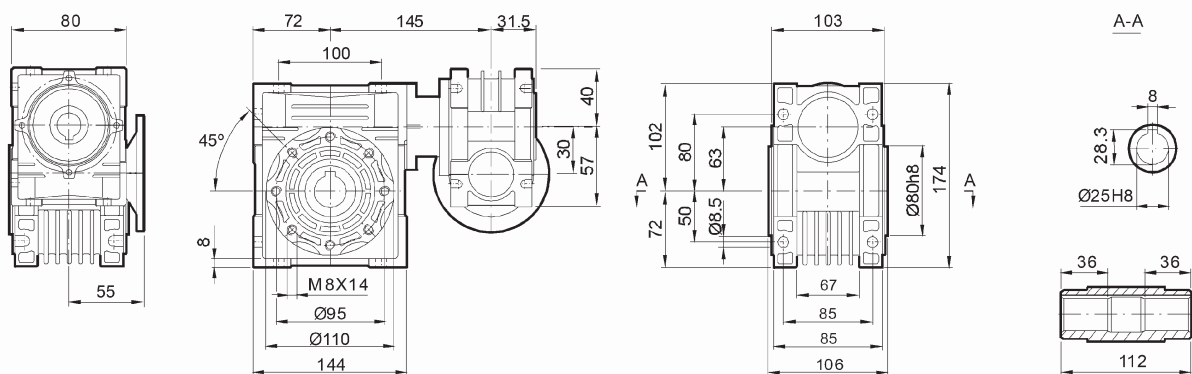
安装尺寸

Mounting Dimensions

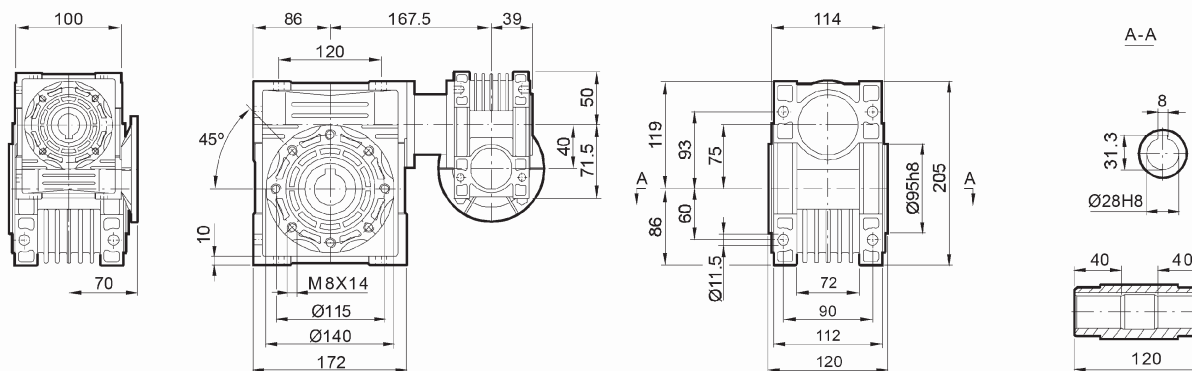
NMRV030/050



NMRV030/063



NMRV040/075



注意:

- 1 输出法兰尺寸, 详见对应的NMRV机型;
- 2 延伸轴尺寸, 详见对应的NMRV机型;

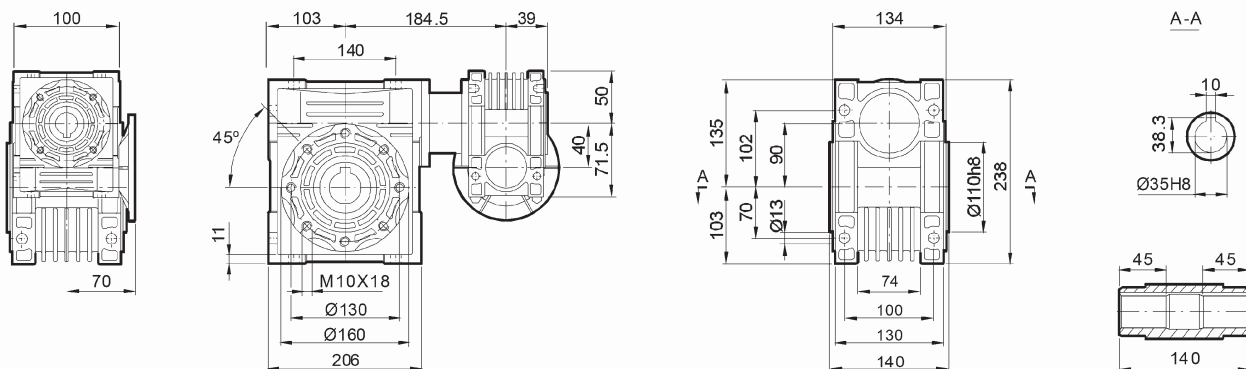
ATTENTION

- 1 for output flange dimensions, consider relevant NMRV size;
- 2 for extensional worm shaft, consider relevant NMRV size;

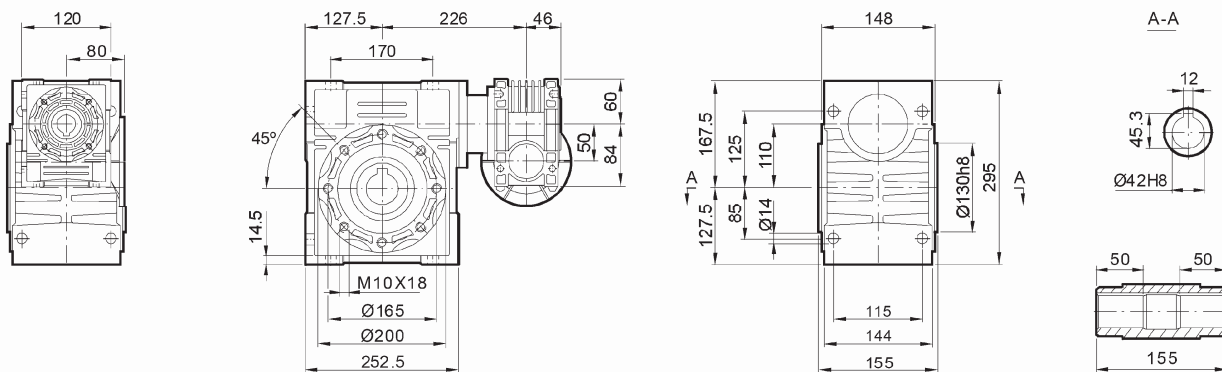
安装尺寸

Mounting Dimensions

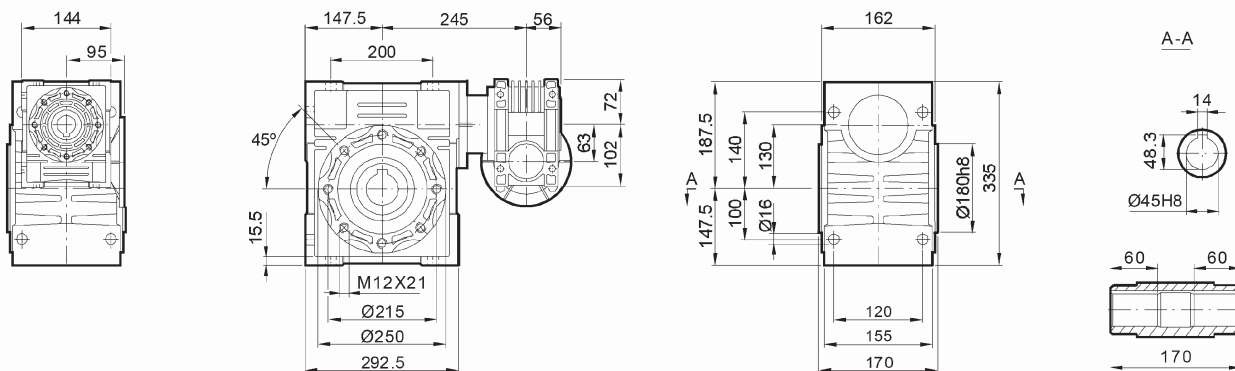
NMRV040/090



NMRV050/110



NMRV063/130



注意:

- 1 输出法兰尺寸, 详见对应的NMRV机型;
- 2 延伸轴尺寸, 详见对应的NMRV机型;

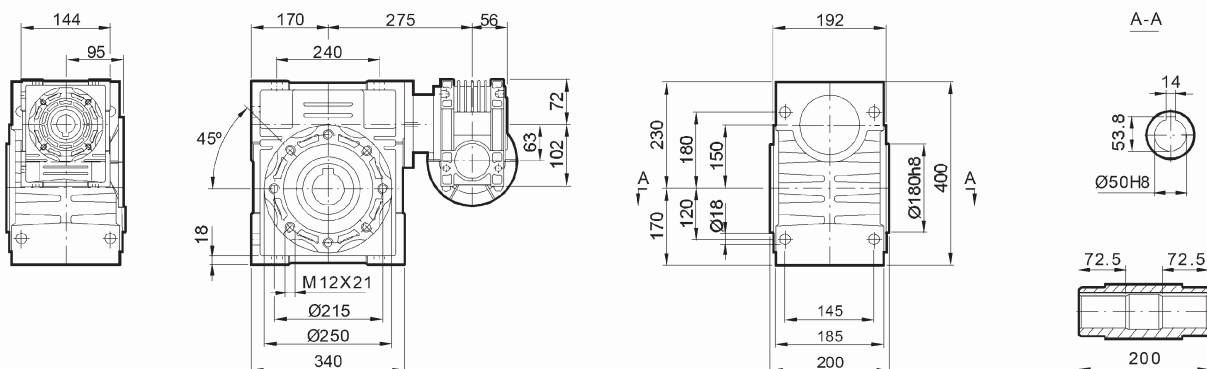
ATTENTION

- 1 for output flange dimensions, consider relevant NMRV size;
- 2 for extensional worm shaft, consider relevant NMRV size;

安装尺寸

Mounting Dimensions

NMRV063/150



注意:

- 1 输出法兰尺寸, 详见对应的NMRV机型;
- 2 延伸轴尺寸, 详见对应的NMRV机型;

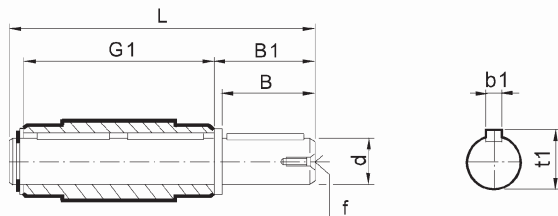
ATTENTION

- 1 for output flange dimensions, consider relevant NMRV size;
- 2 for extensional worm shaft, consider relevant NMRV size;

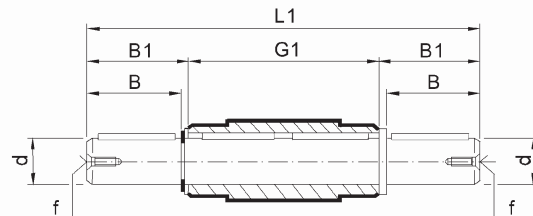
附加单向及双向输出轴

Additional Single & Double Shaft

NMRV..AS



NMRV..AB



	d	B	B1	G1	L	L1	f	b1	t1
025	11g6	23	25.5	50	81	101	-	4	12.5
030	14 h6	30	32.5	63	102	128	M6	5	16
040	18 h6	40	43	78	128	164	M6	6	20.5
050	25 h6	50	53.5	92	153	199	M10	8	28
063	25 h6	50	53.5	112	173	219	M10	8	28
075	28 h6	60	63.5	120	192	247	M10	8	31
090	35 h6	80	84.5	140	234	309	M12	10	38
110	42 h6	80	84.5	155	249	324	M16	12	45
130	45 h6	80	85	170	265	340	M16	14	48.5
150	50 h6	82	87	200	297	374	M16	14	53.5

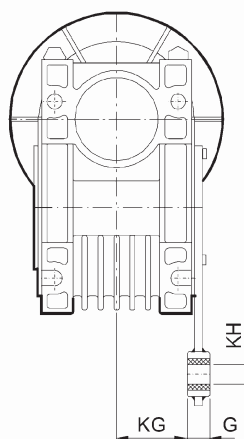
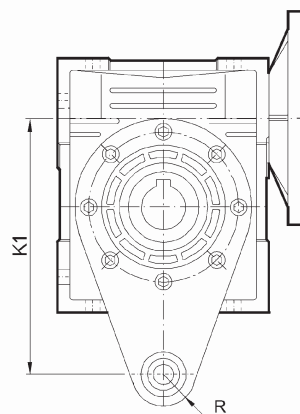
安装尺寸

Mounting Dimensions

附加扭力臂

Additional Torque Arm

NMRV..TA



	K1	G	KG	KH	R
025	70	14	17.5	8	15
030	85	14	24	8	15
040	100	14	31.5	10	18
050	100	14	38.5	10	18
063	150	14	49	10	18
075	200	25	47.5	20	30
090	200	25	57.5	20	30
110	250	30	62	25	35
130	250	30	69	25	35
150	250	30	84	25	35

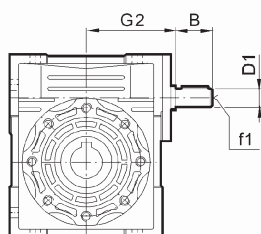
安装尺寸

Mounting Dimensions

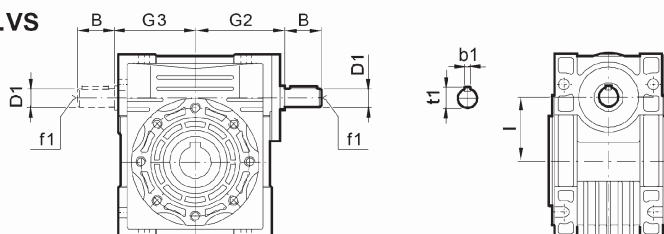
NRV输入轴尺寸

NRV Input shaft Dimensions

NRV..

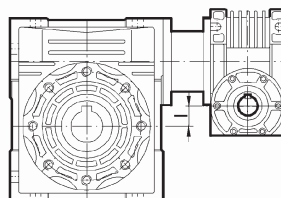
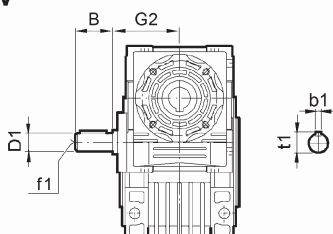


NRV..VS



NRV	030	040	050	063	075	090	110	130	150
B	20	23	30	40	50	50	60	80	80
D1	9j6	11j6	14j6	19j6	24j6	24j6	28j6	30j6	35j6
G2	51	60	74	90	105	125	142	162	195
G3	45	53	64	75	90	108	135	155	175
I	30	40	50	63	75	90	110	130	150
b1	3	4	5	6	8	8	8	8	10
f1	-	-	M6	M6	M8	M8	M10	M10	M12
t1	10,2	12,5	16	21,5	27	27	31	33	38

NRV-NMRV



NRV-NMRV	030-040	030-050	030-063	040-075	040-090	050-110	063-130	063-150
B	20	20	20	23	23	30	40	40
D1	9j6	9j6	9j6	11j6	11j6	14j6	19j6	19j6
G2	51	51	51	60	60	74	90	90
I	10	20	33	35	50	60	67	87
b1	3	3	3	4	4	5	6	6
f1	-	-	-	-	-	M6	M6	M6
t1	10,2	10,2	10,2	12,5	12,5	16	21,5	21,5

注意:

- 1 输出法兰尺寸，详见对应的NMRV机型；
- 2 延伸轴尺寸，详见对应的NMRV机型；

ATTENTION

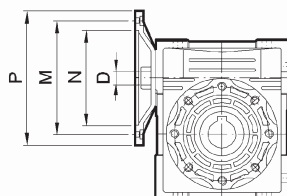
- 1 for output flange dimensions, consider relevant NMRV size;
- 2 for extensional worm shaft, consider relevant NMRV size;

安装尺寸

Mounting Dimensions

电机输入法兰与减速比的匹配

机型号，电机法兰与减速比的匹配关系见下表



Possible Physical combinations

the following table show which combinations of IEC input flange and the gear ratio range

NMRV	PAM IEC	N	M	P	D											
					5	7.5	10	15	20	25	30	40	50	60	80	100
025	56B14	50	65	80	9	9	9	9	9	-	9	9	9	9	-	-
030	63B5	95	115	140	11	11	11	11	11	11	11	11	11	-	-	-
	63B14	60	75	90	11	11	11	11	11	11	11	11	11	-	-	-
	56B5	80	100	120	9	9	9	9	9	9	9	9	9	9	9	-
	56B14	50	65	80	9	9	9	9	9	9	9	9	9	9	9	-
040	71B5	110	130	160	14	14	14	14	14	14	14	14	-	-	-	-
	71B14	70	85	105	14	14	14	14	14	14	14	14	-	-	-	-
	63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	11	11
	63B14	60	75	90	11	11	11	11	11	11	11	11	11	11	11	11
	56B5	80	100	120	-	-	-	-	-	-	-	-	9	9	9	9
050	80B5	130	165	200	19	19	19	19	19	19	19	-	-	-	-	-
	80B14	80	100	120	19	19	19	19	19	19	19	-	-	-	-	-
	71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	14	-
	71B14	70	85	105	14	14	14	14	14	14	14	14	14	14	14	-
	63B5	95	115	140	-	-	-	-	-	-	-	11	11	11	11	11
063	90B5	130	165	200	-	24	24	24	24	24	24	-	-	-	-	-
	90B14	95	115	140	-	24	24	24	24	24	24	-	-	-	-	-
	80B5	130	165	200	-	19	19	19	19	19	19	19	19	19	-	-
	80B14	80	100	120	-	19	19	19	19	19	19	19	19	19	-	-
	71B5	110	130	160	-	-	-	-	-	-	-	14	14	14	14	14
	71B14	70	85	105	-	-	-	-	-	-	-	14	14	14	14	14
075	100/112B5	180	215	250	-	28	28	28	-	-	-	-	-	-	-	-
	100/112B14	110	130	160		28	28	28	-	-	-	-	-	-	-	-
	90B5	130	165	200	-	24	24	24	24	24	24	24	-	-	-	-
	90B14	95	115	140	-	24	24	24	24	24	24	24	-	-	-	-
	80B5	130	165	200	-	-	-	-	19	19	19	19	19	19	19	19
	80B14	80	100	120	-	-	-	-	19	19	19	19	19	19	19	19
	71B5	110	130	160	-	-	-	-	-	-	-	-	14	14	14	14
090	100/112B5	180	215	250	-	28	28	28	28	28	28	-	-	-	-	-
	100/112B14	110	130	160	-	28	28	28	28	28	28	-	-	-	-	-
	90B5	130	165	200	-	24	24	24	24	24	24	24	24	24	-	-
	90B14	95	115	140	-	24	24	24	24	24	24	24	24	24	-	-
	80B5	130	165	200	-	-	-	-	-	-	-	19	19	19	19	19
	80B14	80	100	120	-	-	-	-	-	-	-	19	19	19	19	19
110	132B5	230	265	300	-	38	38	38	38	-	-	-	-	-	-	-
	100/112B5	180	215	250	-	28	28	28	28	28	28	28	28	28	-	-
	90B5	130	165	200	-	-	-	-	-	24	24	24	24	24	24	24
	80B5	130	165	200	-	-	-	-	-	-	-	-	-	-	19	19
130	132B5	230	265	300	-	38	38	38	38	38	38	38	-	-	-	-
	100/112B5	180	215	250	-	-	-	-	-	28	28	28	28	28	28	28
	90B5	130	165	200	-	-	-	-	-	-	-	-	-	-	24	24
150	160B5	250	300	350	-	42	42	42	42	42	-	-	-	-	-	-
	132B5	230	265	300	-	-	-	-	38	38	38	38	38	38	-	-
	100/112B5	180	215	250	-	-	-	-	-	-	-	-	28	28	28	28