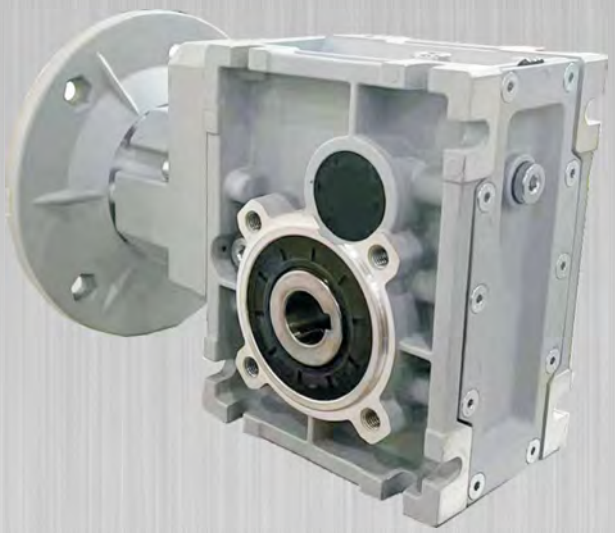
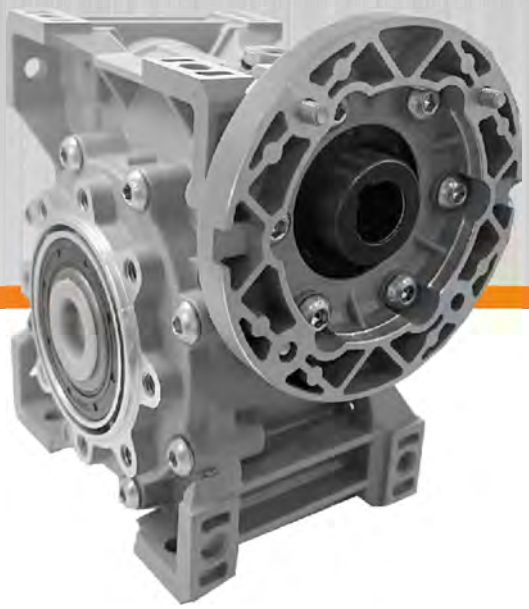
艾思捷

SSJ Group
Power Transmission





浙江艾思捷传动科技有限公司

Zhejiang SSJ Transmission Technology Co.,ltd

目录 Index

企业简介

浙江艾思捷传动科技有限公司，坐落于太湖之滨的湖州市德清县雷甸科技园，是由SSJ ITALY SRL与湖州金玖传动设备有限公司联合创办的一家集减速机研发、制造、销售于一体的综合性传动设备制造企业。SSJ ITALY SRL隶属于意大利SSJ Group的成员公司，意大利SSJ Group在减速机的设计、生产制造和销售有20多年的丰富经验，服务的客户覆盖欧洲、美洲、非洲、亚洲等，获得市场的一致好评。

“LET DRIVE MORE EFFECTIVE!”，“让传动更有效！做一个令人尊敬的传动行业引领者”是SSJ ITALT SRL多年来始终如一的使命与愿景，艾思捷公司引进了国内外先进的生产设备和检测设备，聘用行业专业技术人员进行创新研发和生产制造，采用规范化的生产管理方式严控减速机生产的每一环节，多年来一直为客户提供高质量、高能效、高稳定性的产品。艾思捷中国研发中心也随之成立，以进一步加大对传动领域的研究与创新，致力于让传动更有效更可靠！更好地为客户提供传动部件解决方案。

艾思捷目前主要产品有SJMRV系列蜗轮减速机、XRV洗车机专用减速机、SJGV系列齿轮减速机、SJRT系列太阳能减速机、SJBD系列谐波减速机，以及各类非标类减速机，产品被广泛应用于装备行业、食品行业、洗车行业、包装行业、传输行业、自动化行业、太阳能行业等等，产品深受客户的欢迎与信赖。

COMPANY PROFILE

Zhejiang SSJ transmission technology co., ltd, is located in Leidian technology park,Deqing county, Huzhou city, on the shore of Taihu lake; is a comprehensive transmission enterprise, which is jointly established by SSJ ITALY SRL and Huzhou Jinjiu equipment co., ltd company, and which integrates research and development, manufacturing and sales of reducer .SSJ Group has more than 20 years of rich experience in the design, manufacturing and sales of speed reducers, serving customers Europe, America, Africa, Asia and so on, obtains the market consistent high praise.

"Let more effective ! be a respectable driving industry leader " is the consistent mission and vision of SSJ Group over the years..Zhejiang SSJ has introduced advanced te -chnologies from home and abroad production equipment and testing equipment, hire professional technical person -nel to carry out innovative research and development and manufacturing, Adopt standardized production management mode to strictly control every link of reducer production, For many years providing customers with high quality and energy efficient and higher stability transmission products consistently. SSJ China research and development center was also established, To further increase the research and innovation in the field of transmission. Zhejiang SSJ comm -itted to make drive more effective and more reliable! To be -tter provide customers with transmission solutions.

At present, the main products of Zhejiang SSJ include SJMRV series worm gear reducer, SJGV series gear reducer, SJRT series solar reducer,SJXV series planetary reducer, SJBD series har -monic reducer, and various types of non-standard reducer, products are widely used in equipment Industry, food industry, car washing industry, packaging industry, transmission industry, automation industry, solar energy industry and so on, the products Welcome and trust by customers.

发展历程

PROCCESS

- 1999年7月公司成立，开启减速机的制造与销售，初始产品为蜗轮蜗杆减速机
  In July 1999,the SSJ Italy Srl was established to manufacturing and sales of the gearboxes
- 2004年SSJ Group在英国成立首个分公司
  In 2004,SSJ Group established its first subcompany in UK
- 2007年SSJ Group减速机产品覆盖整个欧洲市场
  In 2007, SSJ Gruop's products are sold throughout the European markets

1999
意大利SSJ公司成立
The SSJ ITALY SRL established

2001
全系列蜗轮蜗杆减速机
推向市场
Full series worm gearboxes
to market

2004
在英国成立首家分公司
Established the
First subcompany in UK

2007
产品覆盖
整个欧洲市场
Products are sold
throughout the
European markets

2010
SSJ Group
产值突破5,000,000欧元
The output value of SSJ Group exceeded €5,000,000

2014
SSJ Group减速机挺进美洲市场
SSJ gearbox enters the American market

2017
SSJ品牌登陆中国
SSJ entered China

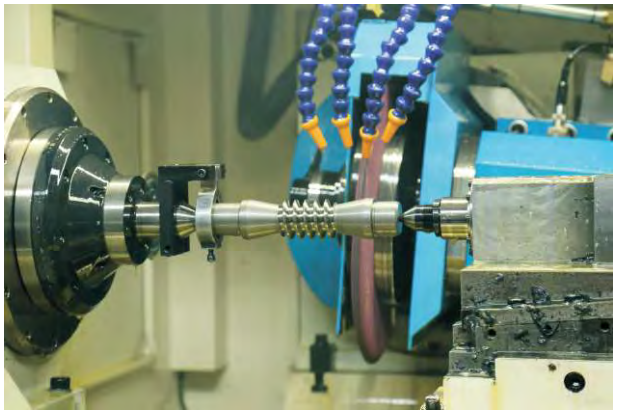
2019
浙江艾思捷传动科技有限公司成立
Zhejiang SSJ Transmission Technology Co.,ltd established

2021
艾思捷上海公司成立
Esther Shanghai Company was established

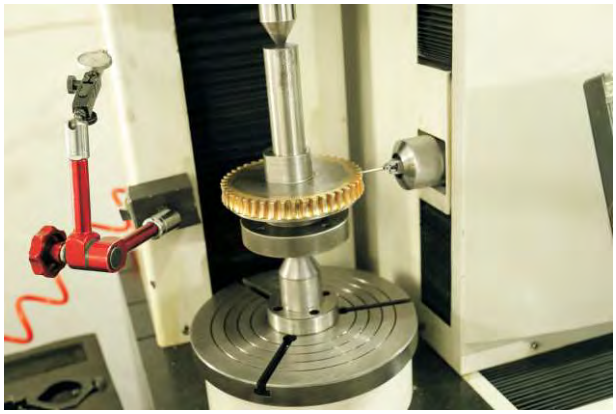
- 2010年SSJ Group产值突破5,000,000欧元
  In 2009,The output value of SSJ Group exceeded €5,000,000
- 2014年SSJ Group挺进美洲市场
  In2014,SSJ Group gearbox enters the American
- 2019年与湖州金玖传动设备有限公司合资成立浙江艾思捷传动科技有限公司，全面开拓亚太市场
  In 2019, Zhejiang SSJ Transmission Technology Co., ltd. was established as a joint venture with Huzhou Jinjiu Transmission Equipment Co., ltd.Fully exploit the asia-pacific market

生产设备
PRODUCTION EQUIMENPMENT


Dachuan
大川机床




G200CNC6




YKZ7230


THINKHEAD
PG3270
齿轮成形磨齿机


QINCHUAN
GMC 650


素川机床
YKZ7230

产品应用领域
PRODUCT APPLICATION FIELD

减速机作为一种精密的机械传动装置，在国民经济及国防工业的各个领域，减速机产品都有着广泛的应用。

艾思捷现在已开发的产品系列，能广泛服务于食品行业，包装行业，自动化行业，装备行业，传输行业，太阳能行业，洗车行业等众多领域。

艾思捷将会继续加大产品的研发与投入，丰富减速机的产品系列。

Reducer as a precision mechanical transmis-siondevice in the national economy and each do-main of national defence industry, reducer produ-ct has extensive applications.

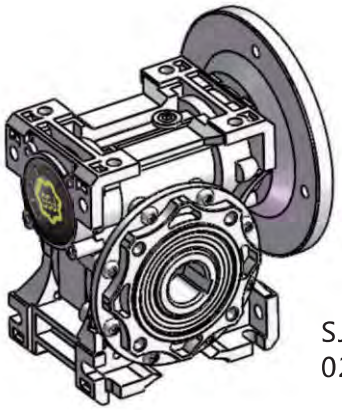
SSJ has developed a range of products that can be widely used in such as food product indus-try,packaging industry, automation industry, equipm-entindustry, transmission Industry, solar industry, car wash industry and many other fields.

SSJ will continue to increase product resear-ch and development and investment to enrich the re-ducer product line.

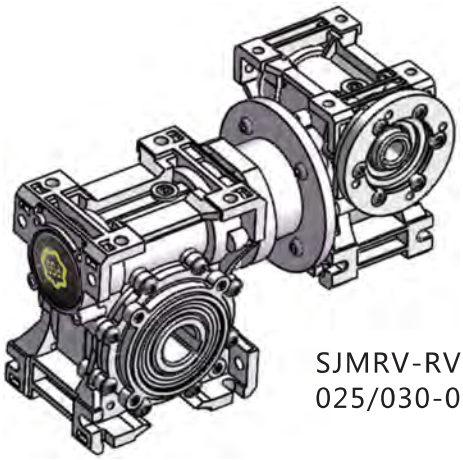

圆通速递
EXPRESS
95554


3C行业自动化生产线

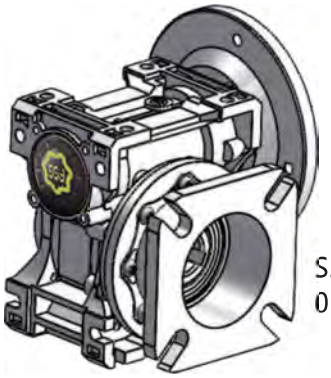
产品展示/PRODUCT DOSIPAY



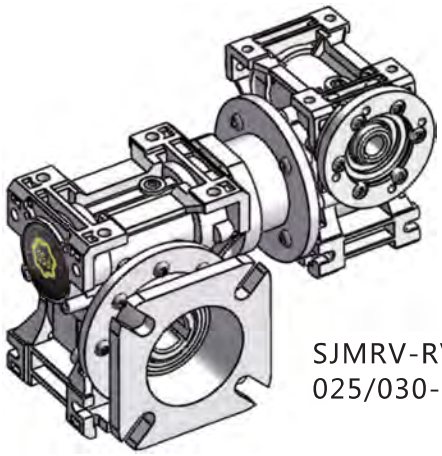
SJMRV
025-110



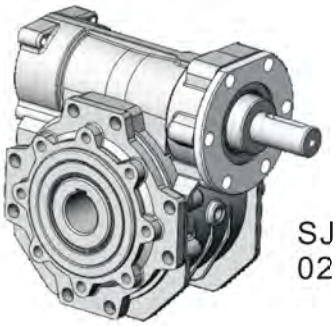
SJMRV-RV
025/030-050/110



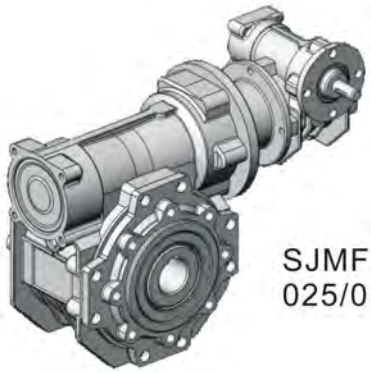
SJMRV
025-110F



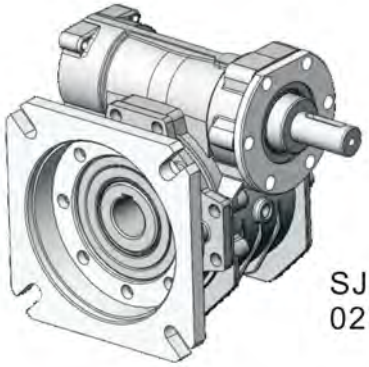
SJMRV-RV
025/030-050/110



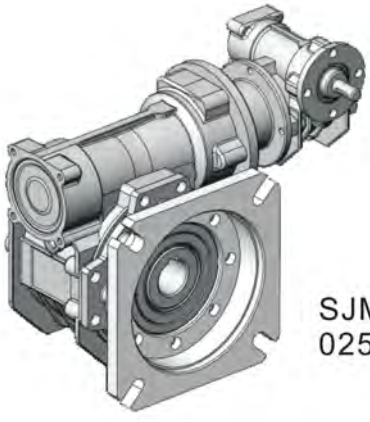
SJMFV
025-110



SJMFV
025/030-050/110



SJMFV
025-110



SJMFV
025/030-050/110

产品性能特点/CHARACTERISTIC

1.1结构特点/Structure Features

1.优质铝合金铸造箱体，适应全方位的万能安装配置；
High qualitgy die casting aluminum alloy housing ,suitable for universal mounting .
2.充分的冷却筋条，使机体具有优良的热传导性能；
Heat sink design for cooling provides great surface area and higher thermal capacity than the casting iron housings
3.从025-130共9种机座规格；传递功率范围从60W-11kW;
Frow size 025 to 130,with power scope from 60W to 11kW.
4.速比范围大，每单个机座具有从1:5到1:100的12种减速比；
Larger speed ratio range .each single frame size has 12 ratios from 1:5 to 1:100
5.精密磨削加工的硬齿面传动蜗杆，效率高、输出扭矩大；
Hardened worm with fine grinding has zhe features of higher efficiency and big output torque .
6.低噪声，平稳运转，能适合在恶劣环境中长期连续工作；
Low noise and stably running ,can adapt long term work condition in terrible environments.
7.重量轻，机械强度高；
Light weight ,high mechanical strength.
8.模块化组合的双减速机(SJMRV-RV型)减速机的传动比拓展至：i=120-5000
Modularization combination DRV extend the ration of NMRV reducers from i=1:120 to 1:5000.

1.2主要材料/Main Materials

1.外壳：铝合金（机座：025-130）；
Housing: die-casting aluminum alloy(Frame size 025 to 130);
2.蜗杆：20CrMnTi，渗碳淬火，齿面硬度58-62HRC，精磨后保持渗碳层厚度0.25-0.45mm；
Worm: 20Cr, carbonize&quencher heat treatment make the hardness of gear's surface up to 58-62HRC,retain carburized layer's thickness between 0.25 and 0.45mm after accurate grinding
3.蜗轮：耐磨$CuSn_{12}Ni_2$锡青铜、铁芯：QT450。
Worm wheel:wearable $CuSn_{12}Ni_2$ bronze alloy,Iron core:QT450.

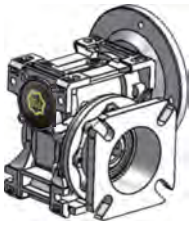
1.3表面喷涂/Surface Painting

铝合金外表/Aluminum alloy surface：
经抛丸处理，磷化处理等防腐处理，喷RAL7040塑粉，可耐汽油，二甲苯等有机溶剂的腐蚀。若有特殊盐雾试验要求，也可做表面氧化发黑处理。
After shot blasting and phospating, painted with RAL7047 molding Power, if there is some specialize with salt spray Lest, the housing also can be made by making anodizing.

型号说明/MODEL ILLUMINATE

SJMFV/RV 050 50 VS FA1 AS1 A1 71B5 B3 0.75-4 T1

- T1 电机接线盒位置 Position of teminal box **T1，T2，T3，T4**
- 0.75-4 电机功率/Motor power **2，4，6，8……** 电机极数/Poles number
- B3 安装方位/Mounting position **B3，B6，B7，B8，V5，V6**
- 71B5 输入法兰(电机类型)/Input flange(Motor mounting) **B5，B14**
- A1 扭力臂/Torque Arm **A1，A2**
- AS1 输出轴/Output shaft **AS1，AS2（单向输出轴/Single output shaft）** **AB（双向输出轴/Double output shaft）**
- FA1 输出法兰/Flange mounting **FA，FB，FC，FD，FE（型号/Version）** **1，2（安装位置/Mounting side）**
- VS 双向尾轴输入/Double intput shaft
- 50 减速比/Reduction ratio **5，7.5，10，15，20，25，30，40，50，60，80，100**
- 050 减速器尺寸(中心距)/Gearbox size(Central distance) **025，030，040，050，063，075，090，105，110，130**
- SJMFV/RV 蜗轮减速器类型/Wom gearbox type **SJMFV/RV 孔输入型 Input with hole SJFV/RV 轴输入型 Input with shaft**



SJMFV/RV 040/075 750 VS FA1 AS1 A1 71B5 AS1 0.37-4 T1

- T1 电机接线盒位置 Position of teminal box **T1，T2，T3，T4**
- 0.37-4 电机功率/Motor power **2，4，6，8……** 电机极数/Poles number
- AS1 安装方位/Mounting position **AS1，AS2，BS1，BS2，VS1，VS2，PS1，PS2**
- 71B5 输入法兰(电机类型)/Input flange(Motor mounting) **B5，B14**
- A1 扭力臂/Torque Arm **A1，A2**
- AS1 输出轴/Output shaft **AS1，AS2（单向输出轴/Single output shaft）** **AB（双向输出轴/Double output shaft）**
- FA1 输出法兰/Flange mounting **FA，FB，FC，FD，FE（型号/Version）** **1，2（安装位置/Mounting side）**
- VS 双向尾轴输入/Double intput shaft
- 750 减速比/Reduction ratio **300，400，500，600……4800**
- 040/075 减速器尺寸(中心距)/Gearbox size(Central distance) **025/030，040/075，050/110……**
- SJMFV/RV 蜗轮减速器类型/Wom gearbox type
  SJMRV-RV=SJMRV+SJMRV
  带电机接口蜗杆减速器 Worm-gear unit with IEC motor interface
  SJFV/RV-RV=SJRV+SJMFV/RV
  轴输入蜗杆减速器 Worm speed reducer with solid input shaft

选型方法/SELECTION METHOD

选型方法/SELECTION METHOD

3.1、为正确选择SJMFV蜗轮减速机，敬请用户首先了解以下几点:

Please understand the following at first in order to select the model of Worm gear speed reducer properly：

- 负荷条件/Load condition
- 使用转速范围或速比(与双级组合可获得超低输出转速/Speed scope or ratio in application
- 工作运转情况及环境温度、湿度、腐蚀等/Working condition and environment
- 安装空间/Installation space

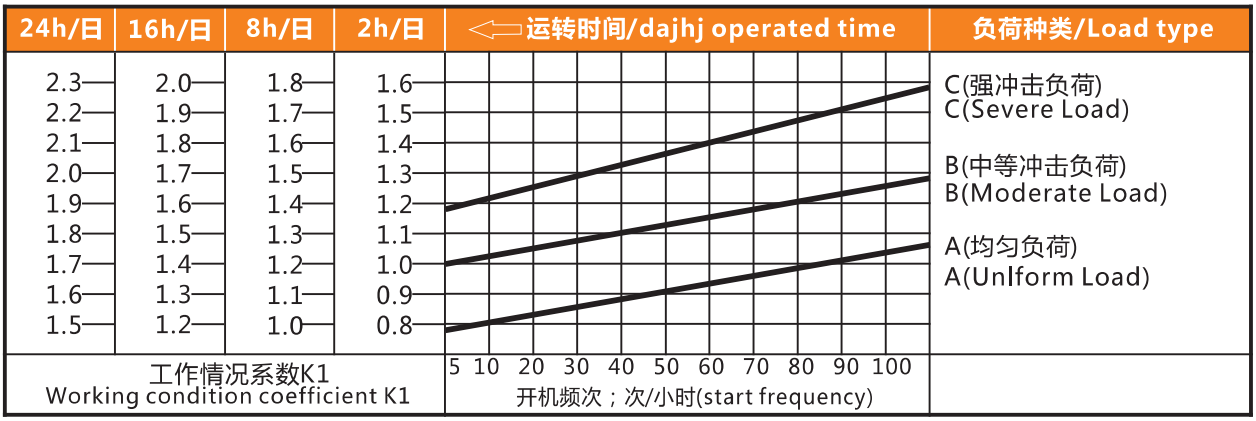
3.2、确定工作情况系数K1及工作情况修正系K2/Define working condition Coefficient K1 and revise coefficient K2

- 根据表1决定机械负荷种类A、B、C/Ensure machinery load types A,B, C according to table1
- 根据运转时间(小时/天)和启动频率(次数/小时)图1中求得工作情况系数K1
  Get the working condition coefficient K1 from diagram I according to turning time(hour/day) and start frequency(times/hour)

机械负荷种类选定(表1)/Table1 Machinery load classification selection

使用情况 Using situation		
无冲击均匀负荷 Uniform load	传送带(均速输送) Convey band(Uniform	A(均匀负荷) A(Uniform load)
中等冲击负荷 Moderate Load	传送带(变速输送) Speed changed conveying	B(中等冲击负荷) B(Moderate Load)
强烈冲击负荷 Severe load	压缩机、粉刷机等 Compressor.、 Pulverizer、	C(强冲击负荷) C(Severe Load)

工作情况系统K1选定(图1)/Diagram1 working Condition coefficient K1



- 根据表2,查取工作情况修正系数K2/spect working condition and select coefficient K2 from table2

工作情况修正系数K2选定(表2)/Tabe2 Working condition coefficient K2

环境温度 Ambient temperature	工作情况修正系数K2 Working condition coefficient K2
-10℃~30°C	1
30°C~40°C	1.1~1.2

3.3、选定减速机/ Reducer selected

用户须先确定输入机械负荷(转矩)。以T转矩乘以工作情况系数K1.再乘以工作情况修正系数K2,即获得减速机应有的输出转矩值，以此为据，并结合速比值或输出转速值，选定所需减速机规格。
At first it is better to make sure the value input machinery load T(torque) and then you can get the output torque through T multiply with work situation coefficient K1 and work situation revise coefficient K2. The required model can be gained by the above and connecting ratio or output speed.
用户也可以根据已知的输入功率，结合速比值或输出转速值，计算输出转矩，选定减速机。
You can also select the reducer as followings: calculate output torque according to known input power and then select the reducer in accordance with output torque and rotate speed.
本公司减速机均为右旋螺牙，根据右手定则，确定输入轴、输出轴回转方向。
Our standard reducers all have right-hand helical tooth, deciding the rotating direction of input shaft and output shaft according to the right-hand criterion.

选型示例/EXAMPLE OF SELECTION

例1 通用传送带(均匀负荷)[Common convey band (uniform load)]，转矩(Torque):19NM,
运转时间(Turning time):8小时/天/(h/day)，转速(Speed):约55r/min,
启动频率(Start frequency):10次/小时(times/h),减速比(Ratio):1/25,
环境温度(Environment temperatrue):室内(Indoor)25℃, 电机直联(Connect with motor directly)
①根据表1,决定负荷种类;负荷种类：无冲击均匀负荷，选A;
Select load classification according to table1, Load classification: Uniform load, choose A;
②根据图1,在A线上取频率10次/时的交点；查出运转时间8小时/天的系数K1=1;
As per cross point of 10 times/hour frequency on line a in diagram I, get coefficient k1 value is I that turning times 8 h/day
③根据表2,查得系数K2=1
Get the coefficient K2=1 according to table2;
④则转矩值为19xK1xK2=19X1x1=19N.m,可选择最接近19N.m的减速机，选定结果：SJMRV30-1/25,输入功率0.18KW.输出转速56转/分,输出转矩21N.m,校核：实际输出转矩：输出转矩×使用系数(fs)=21×1.0=21N.m>19N.m,满足使用要求;
Then the torque value is 19xK1xK2=19X1x1=19N.m, and the reducer closest to 19N.m can be selected. The selected result is SJMRV30-1/25, and the input power is 0.18kw.Output speed 56 RPM, output torque 21N.m, Check: actual input torque: input torque usage factor (fs)=21*1.0= 21N.m > 19N.m, meet the use requirements;

例2 输送带(中等冲击负荷)[Covey band (moderate load)]，转矩(Torque):65N.m,
运转时间(Turning time):16 小时/天(h/day)， 转速(Speed):约21r/min,
启动频率(Start fequency):100次/小时(100 times/h)，减速比(Ratio):1/60,
环境温度(Environment temperature):室内(indoor)35"C，电机直联(Connect with motor direct)
①根据表1,决定负荷种类,负荷种类：轻度冲击负荷，选B;
As per load classification table1,moderate load, choose B;
②根据表1,在B线上取频率100次/时的交点；查出运转时间16小时/天的系数K1=1.65;
As per cross point of 100 times/hours frequency on line B in diagram 1,get coefficient K1 valer is 1.65 that turning time is 16 hours/day;
③根据表2.查得系数K2=1.15
Get the coefficient K2 1.15 according to table 2.
④则转矩值为65×K1×K2=65×1.65×1.15=123N.m,可选择最接近123N.m的减速机,选定结果SJMRV63-1/60。输入功率0.55KW.输出转速23.3转/分，输出转矩140N.m。校核：实际输出转矩：输出转矩×使用系数(fs)=140×0.9=126N.m>123N.m,满足使用要求;
The torque value is 65×K1×K2=65 ×1.65× 1.15=123N.m, the reducer closest to 123N.m can be selected, and the result is SJMRV63-1/60.Input power 0.55KW. Output speed 23.3 RPM, output torque 140N.m, check: actual output torque usage factor (fs)=140×0.9=126N.m> 123N.m, meet the use requirements;

选型基本信息/ESSENTIAL INFORMATION OF SELECTION

4.1 符号对应表/Symbol Corresponding Table

符号 Symbol	单位 Unit	含义 Implication
P	KW	功率/Power
P_1	KW	输入功率/Transmitted power at input shaft
P_2	KW	输出功率/Transmitted power at output shaft
P_{n1}	KW	额定输入功率/Rated input power
P_{n2}	KW	额定输出功率/Rated output power
M^2	Nm	输出扭矩/Transmitted torque at output shaft
M_{c2}	Nm	计算的输出扭矩/Calculated torque at output shaft
M_{n2}	Nm	额定输出扭矩/Rated torque at output shaft
M_{r2}	Nm	需求的扭矩/Reqiured torque at output shaft
n_1	rpm	输入转速/Angular input speed
n_2	rpm	输出转速/Angular output speed
i	-	减速比/Ratio
η_d	-	动态效率/Dynamic efficiency
η_s	-	静态效率/Static efficiency
Z_1	-	蜗杆齿数/Number of worm thread
M_x	-	轴向模数/Axial modulus
f_s	-	工作系数/Service factor
J_e	kgm^2	在电机轴上衰降的惯性矩/Moment of the extemal inertia reduced at the drive shaft
J_m	kgm^2	电机惯性矩/Moment of inertia of motor
F_{r1}	N	输入轴径向负荷/Input shaft radislload
F_{r2}	N	输出轴径向负荷/Output shaft radialload

4.2 功率/Power

额定输入功率/Rated input power

Pn1[KW]

减速器安全运转时的功率（KW）值,列于参数表中,它是在速度等于n1且工作系数fs=1的情况下得出的.
The parameter can be found in the charts and represents the KW can be safely transmitted to the gearbox based on input speed N1 and service factor fs=1

额定输出功率/Rated output power

Pn2[KW]

减速器的输出功率值，可以用下面的公式计算。
This value the power transmitted at gearbox output it can be calculated with the following formulas.

$$Pn2=Pn1.\eta d$$

$$P_{n2}=\frac{9550}{Mn2.n2}$$

4.3 输出扭矩/Output Torque

额定扭矩/Rated output torque

Mn2[Nm]

扭矩作用于连续平稳运转的减速器且在工作系数fs=1的情况下的数值
The torque that can be transmitted continuously ,through the output shaft ,with the gear unit operated under a service factor fs=1

需求的扭矩/Required torque

Mr2[Nn]

给予实际所需，数值等于或小于减速器的额定扭矩Mr2
The torque that demand based on application requirement it is recommended to be equal to or less than torque Mr2

计算扭矩/Calculated torque

Mc2[Nm]

在选择减速器时有用，它要考虑实际需求的扭矩Mc2以及工作系数fs，由以下关系式计算出
Computational torque value to be used when selecting the gearbox ,It is calculated considering the required torque Mc2 and service factor fs, as per relationship here after.

$$Mc2=Mr2.fs\leq Mn2$$

4.4 效率/EFFICIENCY

效率是影响某些应用的主要因素，它的值基本由齿轮副设计的参数决定。

Efficiency is a parameter which has a major influence on the sizing of certain applications and basically depends on gear pair designelements.

动态效率/DYNAMIC EFFICIENCY

[η_d]

动态效率和输出功率P2以及输入功率P1的关系

The dynamic efficiency is the relationship of power delivered at outputshaft P2 to power appli -ed at input shaft P1.

$$P_{n2} = P_{n1} \cdot \eta_d$$

$$P_{n2} = \frac{M_{n2} \cdot n_2}{9550}$$

静态效率/STATIC EFFICIENCY

[η_s]

在减速器刚启动时的效率，虽然对连续传动没有实际的意义，但在选择断续传动的减速器时却十分重要。

Efficiency obtained at start-up of the gearbox Although this is generally not significant factor for helical gears,it may be instead critical when selecting worm gearmotors operating under intermittent duly.

4.5 工作系数/ Service factor

减速器的工作系数(fs)主要取决于减速机的运行条件，为了选择最合适的工作环境系数进行正确的组合，必须考虑如下因素：

The service factor(fs) deqends on the operating conditions condirtiens the gearbox is subjected to the par -ameters that need to be taken into consideration to select the most adequate servies factor correctly com -prise

1、减速器的负载形式：A-B-C

type of load If the operated machine:A-B-C

2、工作时间：小时/天

length of daily operating time:hours/day

3、开机频率：次/小时

start-up trequency:starts/hour

负荷类型：

TYPE OF LOAD:

A-均衡负荷，fs≤0.3

A-uniform,fs≤0.3

B-中等冲击，fs≤3

B-moderate shocks,fs≤3

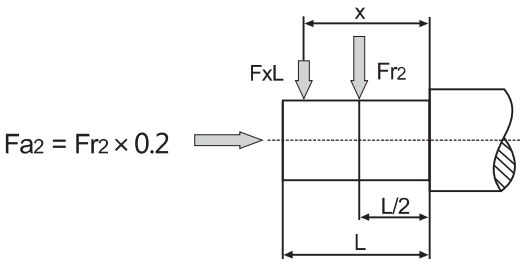
C-严重冲击，fs≤10

C-heavy shocks, fs≤10

4.6 径向载荷/Radial Load

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fz，列表如下：
When determining the resulting radial load, the type fo transmission elements mounted on the shaft end must be considered ,various transmission elements are corresponding with following transmission element factors fz:

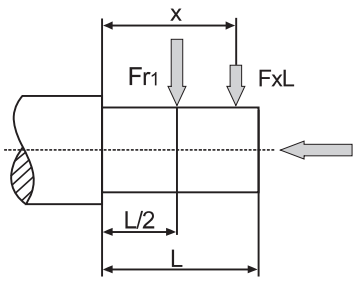
- **输出轴径向载荷/Output shafts radial loads**



FxI =在某位置上的径向载荷
Output shaft radial load on somewhere
Fa2=输出轴向载荷 Output axial loads

SJMRV	025	030	040	050	063	075	090	110	130	150
a	50	65	84	101	120	131	162	176	188	215
b	38	50	64	76	95	101	122	136	148	174
F_{r2max}	1350	1830	3490	4840	6270	7380	8180	12000	13500	18000

- **输入轴径向载荷/Input shafts radial loads**



Fa1 =输入轴向载荷 Input axial loads

SJRV	025	030	040	050	063	075	090	110	130	150
a	64	86	106	129	159	192	227	266	314	350
b	58	76	94.5	114	139	167	202	236	274	310
F_{r1max}	158	210	350	490	700	980	1270	1700	2100	2800

惯性矩/Moment of inertia
惯性加速系数计算如下/The mass acceleration factor is calculated as follows:
Fa=Jc/Jm
Fa惯性加速系数/Fa mass acceleration factor
Jc所有外部传动惯量/Jc all external mass moments of inertia (kg㎡)
Jm驱动电机的传动惯量/Jm mass moment of inertia on the motor end (kg㎡)
如果惯性加速系数Fa＞10，请与我们技术部联系/If mass acceleration factors fa＞10，please call our technical service.
受环境温度影响，服务系数fs仍须按以下调整/Service factor fs should be adjusted as followings:
1、环境温度30-40°：fs（1.1-1.2)/ambient temperature is 30-40°：fs（1.1-1.2)
2.环境温度40-50°：fs（1.3-1.4)/ambient temperature is 40-50°：fs（1.3-1.4)
2.环境温度50-60°：fs*(1.5-1.6)/ambient temperature is 50-60°：fs*(1.5-1.6)
为了保持减速机的使用寿命,,从产品样本中所选择的服务系数fs应该等于或略高于计算出来的服务系数fs.
To keep the service life of gearbox, use factor fs selected from the catalogue mast be equal or slightlyhigher than calculated use factor fs.

传动件 Transmission element	传动附加系数fz Transmission element factor fz	注释 Comments
齿轮Gears	1.00	≥17齿 teeth
	1.15	<17齿 teeth
链轮 Chain sprockets	1.00	≥20齿 teeth
	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 Rat 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:

$$Fr = \frac{M.2000.fz}{d_0} (N)$$

Fr 作用在轴上的载荷/Resulting radial load(N)
M 作用在轴上的扭矩/Torque on the shaft(Nm)
d0 安装在轴上传动件的平均直径/Mean diameter of the mounted transmission element in(Nm)fz
传动附加系数/Transmission element factor

当径向载荷不作用在轴中点时按以下公式计算有效负荷。
The allowed radial load force on the shaft is calculated with the following formula.

$$FxL = \frac{Fr2.a}{(b+x)} (N)$$

Fr2　底脚安装式齿轮减速机的许可径向负荷/Permitted overhung load(X=L/2) for foot mounted gear units

a,b　减速机径向换算常量/Gear unit constant for overhung load conversion (mm)
x　　轴肩到实际作用点的距离/Distance form the shaft shoulder to the force application point in (mm)

当径向和轴向负载同时存在时，最大的允许轴向负载只是径向负载值的1/5，图表中所表示的是输出轴的最大承重量。
The maximum admissible axial loads are 1/5 of the value of the given radial load when they are applied in combination with the radial .The tables relating to the output shafts give the maximum admission value.

4.7 应用限制/Critical Applications

样本的参数基本上是针对B3或相似的安装方位给出的，就是第一级没有完全浸没在油中，对于其他安装方位和特定输入转速，请确认定货时的说明。

The performance given in the catalogue corresponding to mounting position B3 or similar, the first stage is not entirely immersed in oil. For other mounting position or particular input the first speeds ,Please check the certification in the order.

以下应用情形应仔细评估，如有必要可致电我们的技术服务人员。

It is also necessary to take consideration of carefully assess the following applications by calling our Technical Service.

1.提高转速时/As a speed increasing

2.使用时如果减速故障会带来人员危险时/Application that could be hazardous for people if the reduction unit fails

3.较高惯性的应用场合/Application with especially high inertia

4.用作升降机绞盘/Application as a lifting winch

5.在减速器外壳有高动态应力的应用场合/Application with an high dynamic strain on the case of the gear unit.

6.温度低于-10°或高于40°时/In places with temperatures under -10°C or over40°C

7.在有化工物质腐蚀的环境中使用/Use in chemically aggressive environment

8.在盐性环境中使用/Use in sally environment

9.未在样本中示出的安装方位放置/Mounting position is not envisaged in the catalogue

10.在放射性环境中使用/Use in radioactive environment

11.在压力不同于大气压的环境中使用/Use in environments pressure other than atmospheric pressure

避免减速器局部或是整台浸入液体或其他物质中

Avoid applications where even partial immersion of reduction units is required

减速器可以承受的最大扭矩(*) 不得超过性能表中列出的额定扭矩(f.s.=1)的两倍

The maximum torque (*)that the gear reducer can support must not exceed two times the normal torque(f.s.=1) stated in the performance tables

(*)指的是在过载启动、制动、振动或其他原因造成的瞬间过载，特别是瞬间动态过载

(*)Intended for momentary overload due to starting at full load , braking , shocks or other causes , particularity those that are dynamic.

SJMRV/FV	025	030	040	050	063	075	090	105/110
V5:1500＜n1＜3000	-	-	-	-	-	B	B	B
n1＞3000	B	B	B	B	B	A	A	A
V6	B	B	B	B	B	B	B	B

B:需检查应用的合适性或者请联系我们的技术服务部/To check application suitability or contact our technical services department

A:不建议使用的方式/Application not recommended

4.8 润滑油/Lubricant

润滑油说明/Specifications of lubricants:

如在图表中不能查到的对应温度，请与我们技术服部联系。

In cases of ambient temperatures not envisaged in the table ,please contact with our technical department.

如果温度低于-30℃或高于60℃，必须使用特殊油封。

In the case of temperatures under 30℃ or over 60℃,it is necessary to use oil seals with special properties.

如果在注油时的温度低于0℃时，必须注意以下几点：

For operating ranges with temperature under 0℃ ,it is necessary to consider the following:

1、电机选型必须符合周围环境与工作条件。

The motors need to be suitable for operation at the envisaged ambient temperature.

2、电机的功率必须选择考虑到在寒冷天气时较大的启动扭矩。

The power of the electric motor needs to be adequate for exceeding the higher starting torques required.

3. 在刚开始使用时，可能会出现润滑油的问题，因为新的润滑油的粘度较高，因此推荐先让减速器在空载情况下运行几分钟才开始加载,润滑油在使用大约10000时后必须更换，但也要视减速机的工作具体环境而定。对于没有注油孔的减速机来说，是不需要更换润滑油的。

In the beginning of use, there may be a problem with lubricating oil, because the viscosity of the new lubricating oil is higher, so it is recommended to let the reducer in no load. The lubricating oil must be replaced after about 10,000 hours of use, but it also depends on the specific working environment of the reducer.There is no need to change the lubricating oil for the reducer without oil filling space.

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
SJMFV SJMRV	SJMFV/RV025	0.018			
	SJMFV/RV030	0.036			
	SJMFV/RV040	0.078			
	SJMFV/RV050	0.13			
	SJMFV/RV063	0.27			
	SJMFV/RV075	0.48			
	SJMFV/RV090	0.93			
	SJMFV/RV110	1.85	1.8	1.8	1.85

注：规定的加注量为参考值，精确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准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的调整加注润滑剂。

The specified filling 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 plug since it indicates the precise oil capacity.

本公司标准产品已加注终身免维护润滑油，使用过程中无须再加注，但请在订货时说明。

The company's standard products have been filled with lifelong maintenance-free lubricants, no further notes are required during use, but please specify when ordering.

4.9 效率与自锁特性/Efficiency And Self-lock Feature

效率是减速机的一个重要参数，该参数取决于以下几部分：

Efficiency is an important parameter for reducer, which depends on the following parts:

-蜗轮蜗杆的螺旋角。

-Helix angle of worm.

-输入转速。

- Input speed.

-蜗轮蜗杆的磨合时间。

- Run in time of worm gear.

-油品、油封以及轴承的性能。

- Performance of oil, oil seal and bearing.

下列啮合参数表列出了动态效率（n1=1400r/min）及静态效率参数。（备注：这些参数为减速机磨合后性能稳定的计算值，与实际值可能会有一定的上下偏差。）

Dynamic efficiency (n1=1400r/min) and static efficiency parameters are listed in following meshing paramet -ers. (Note: these parameters for the reducer after running in the performance of the calculation of the stabil -ity, and the actual value may have a certain upper and lower deviation.

动态自锁：是指当马达输入轴突然停止时，输出轴能同步停止。此条件的要求为动态效率ηδ＜0.4。

Dynamic self-locking: it means that when motor input shaft suddenly stops, output shaft can stop synchrono -usly. The requirement for the dynamic efficiency of delta is less than 0.4.

静态自锁：是指当减速机处于机制状态时，输出轴上的负载不能把蜗轮转动的效果。此条件的要求为动态效率ηδ＜0.5。

Static self - locking: it means that when the gear reducer is in a mechanism, the load on the output shaft can not rotate the worm gear. The requirement for the dynamic efficiency of delta is less than 0.5.

ηd	＞0.6	0.5—0.6	0.4—0.5	＜0.4
动态自锁效果	动态不自锁	动态自锁很低	动态自锁良好	动态自锁
DYNAMIC IRREVERSIBILITY	Dynamic reversibility	Low dynamic reversibility	Good dynamic irreversibility	Dynamic irreversibility

ηs	＞0.55	0.5—0.55	＜0.5
静态自锁效果	静态不自锁	静态自锁很低	静态自锁良好
STATIC IRREVERSIBILITY	Static reversibility	Low static reversibility	Static irreversibility

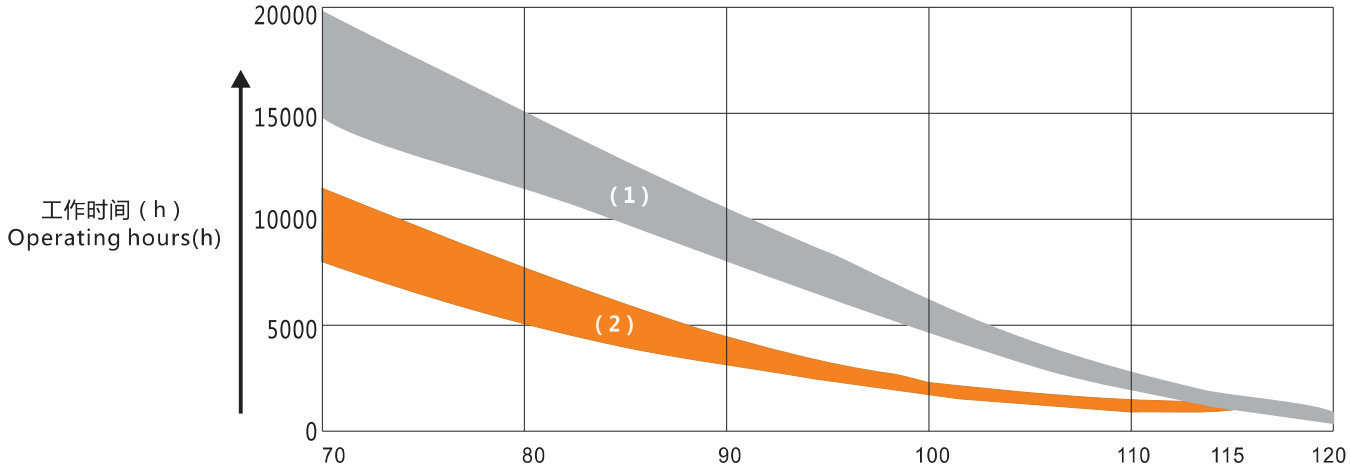
备注：上述表格中的数据仅供参考，振动和冲击也会影响减速机自锁功能。使用减速机若需要达到完全自锁，我们建议加装外部安全制动装置。对于组合式减速机，必须考虑单体减速机的自锁功能效率，因此整体自锁功能参数为：$\eta_T=\eta1*\eta2$。

Note: Above table data are only for reference; vibration and impact also affect reducer self-lock function. It is necessary to achieve complete self - lock when reducer under use; we suggest external safety brake device is installed. For the combination type reducer, monomer reducer "functional efficiency must be considered, so overall self-lock function parameter is: $\eta_T=\eta1*\eta2$.

4.10润滑油型号/Types of lubrication

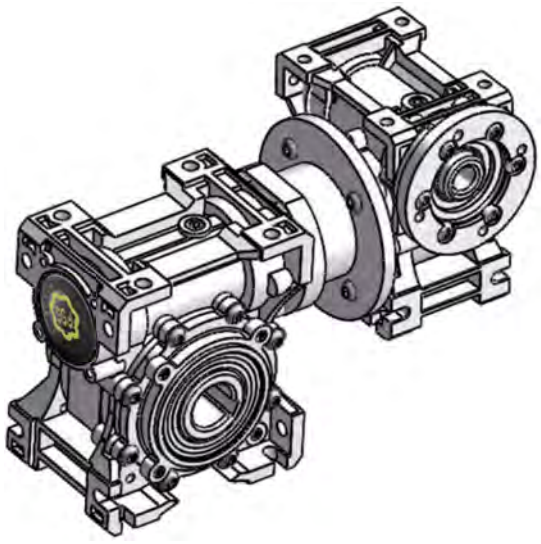
	环境温度（℃） Ambient temperature(℃)	ISO 粘度 ISO viscosity class	SHELL	ACIP	ESSO	MOBLE	CASTROL	BP	润滑油类型 Lubrication type
SJMFV/RV025-110	-25-+50	VG 320	Tivela OIL S320	Telium VSF 320	S320	Glygoyle 30	Alphayn Pg320	Energol SG-xP320	合成油 Synthetic

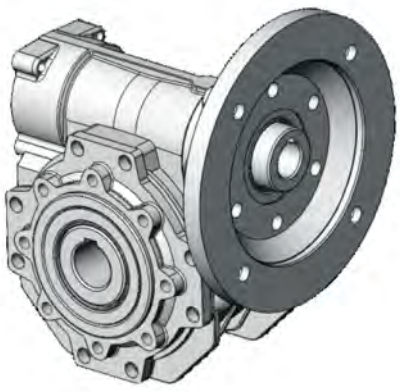
适用于正常环境条件下标准减速机的更换时间间隔
Oil change intervals for standard gear units under normal environment conditions



- 油池持续温度[℃] Sustained oil bath temperature[℃]

每种机油类型的平均值70℃/Average value per oil type at70℃
(1) 合成油/Synthtic iol (2)矿物油/Mineral oil

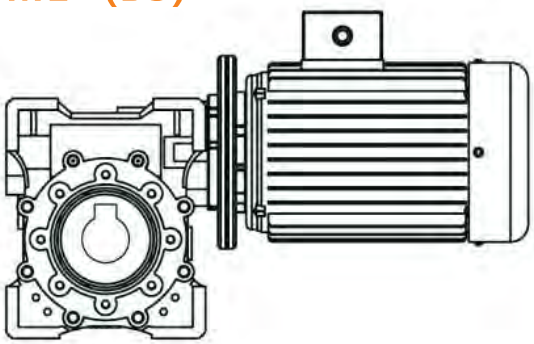




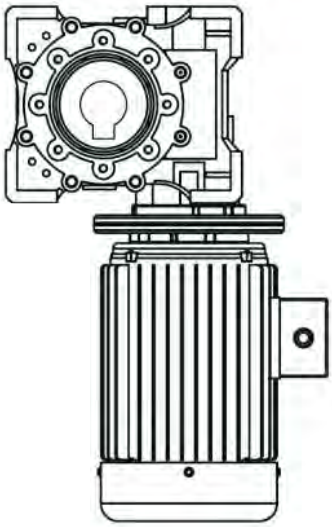
4.11 安装方式/Installation mode

单机减速机安装位置/Inatallation mode for single gearbox

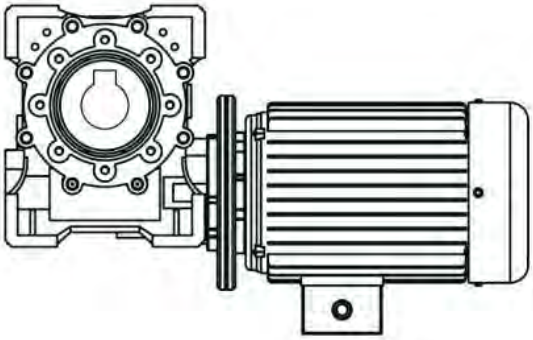
M1 (B3)



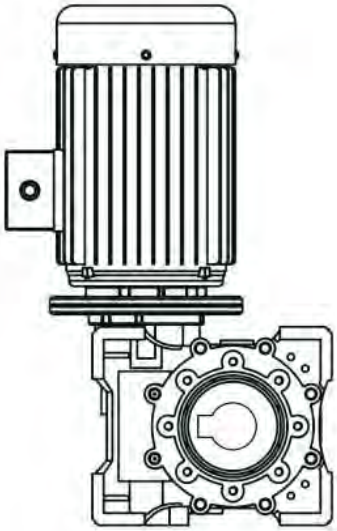
M2 (V6)



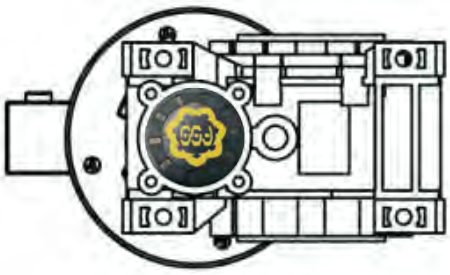
M3 (B8)



M4 (V5)



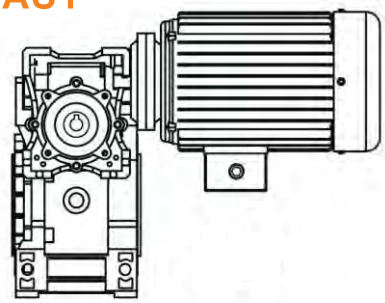
M5 (B7)



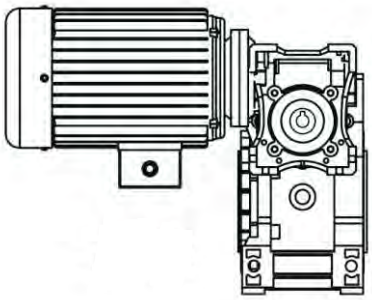
M6 (B6)

双联减速机安装位置/Inatallation mode for double gearbox

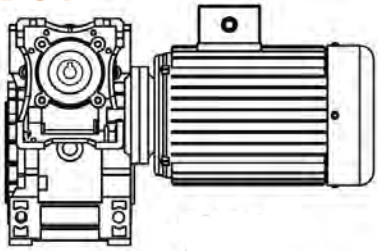
AS1



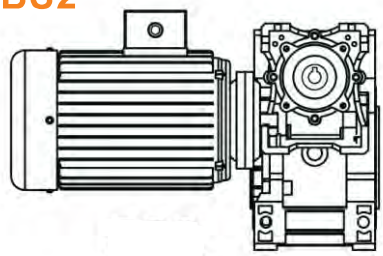
AS2



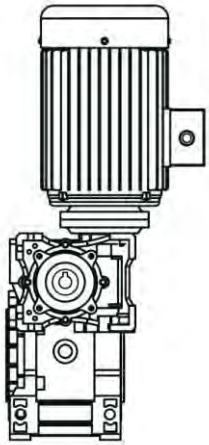
BS1



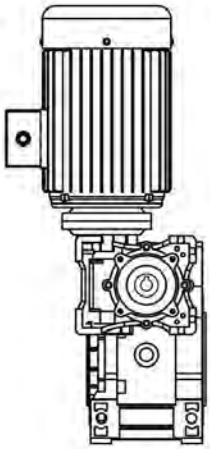
BS2



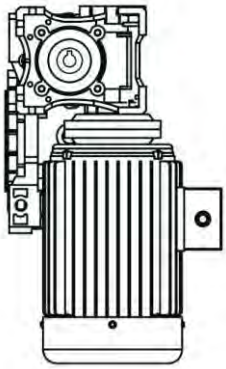
VS1



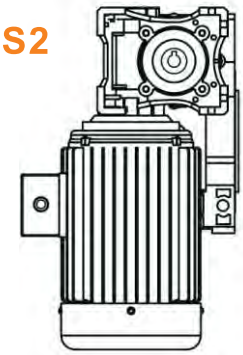
VS2



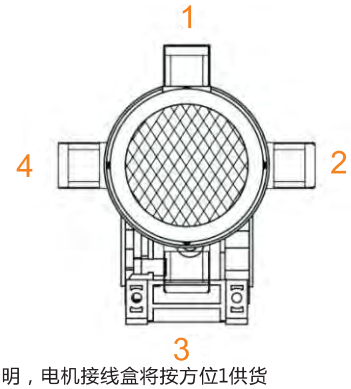
PS1

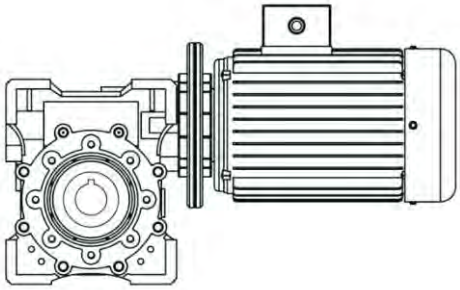


PS2



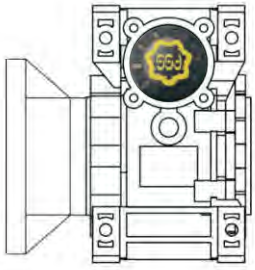
电机接线盒位置/Position of Motor terminal box





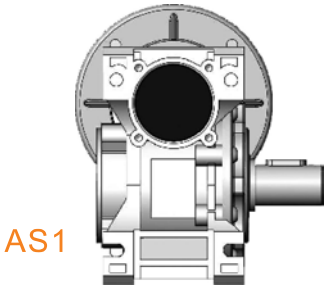
如没有特别说明，电机接线盒将按方位1供货
Unless specified,otherwise,the position of the terminal box as show No1 in the diagram.

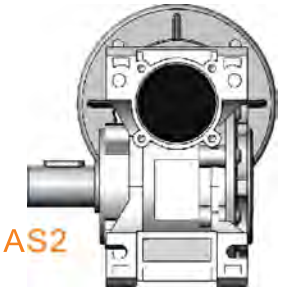
输出法兰安装位置/Position of output flange

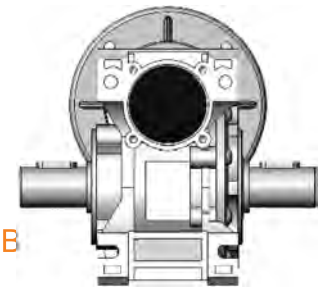


如没有特别说明，将按照如图F1和B3安装方位的组合样式供货。
Unless specified,otherwise,the reduclion unit is supplied with the flange in pos. F1 referred to position B3.

输出轴安装位置/Position of output shaft

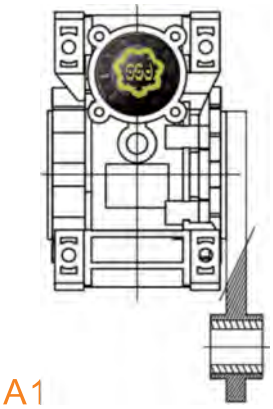


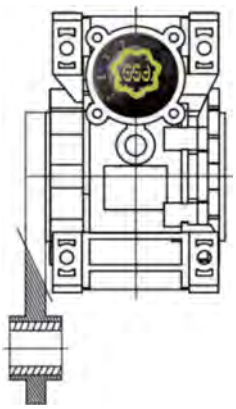




如没有特别说明，将按照如图AS1和B3安装方位的组合样式供货。
Unless specified,otherwise,the reduclion unit is supplied with the flange in pos. AS1 referred to position B3.

扭力臂安装位置/Position of torque arm



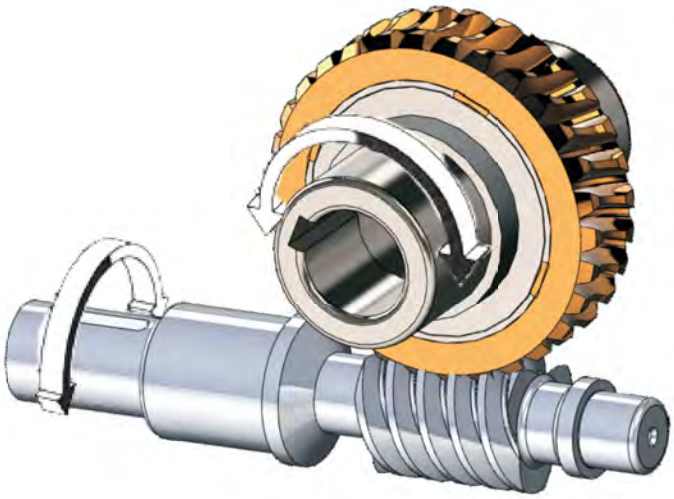


如没有特别说明，将按照如图A1和B3安装方位的组合样式供货。
Unless specified,otherwise,the reduclion unit is supplied with the flange in pos. A1 referred to position B3.

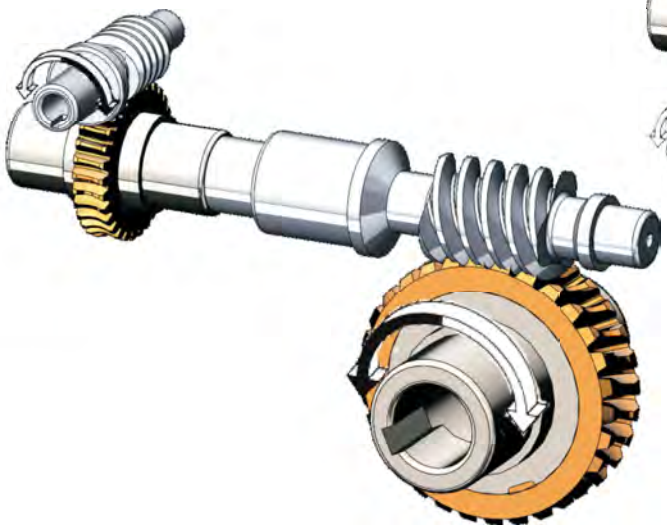
4.12 旋转方向/Direction of rotation

SJMRV/FV

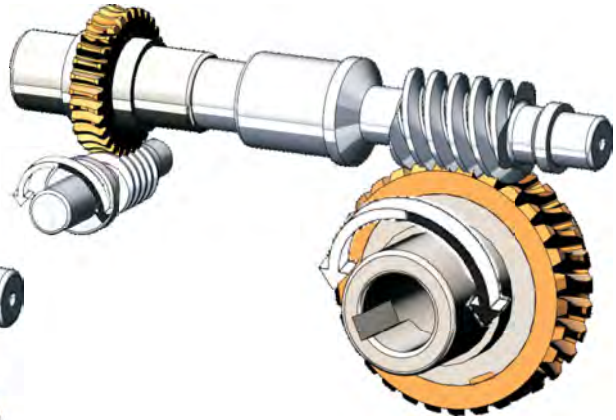
SJRV/FV



SJMRV/FV-RV/FV



SJRV/FV-RV/FV

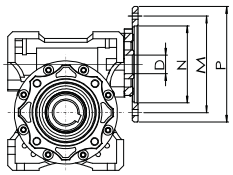


啮合参数/MESH DATA

SJMRV/FV	i	5	7.5	10	15	20	25	30	40	50	60	80	100
25	Z_1	6	4	3	2	2	1	1	1	1	1	-	-
	γ	30°47′	24°17′	18°52′	12°48′	10°43′	8°57′	6°16′	5°19′	4°39′	3°34′	-	-
	M_x	1.65	1.29	1.31	1.32	1.04	0.83	1.35	1.05	0.84	0.71	-	-
	η_d	0.87	0.85	0.82	0.79	0.73	0.69	0.67	0.63	0.57	0.56	-	-
	η_s	0.72	0.71	0.67	0.61	0.54	0.5	0.47	0.43	0.36	0.36	-	-
30	Z_1	6	4	3	2	2	2	1	1	1	1	1	-
	γ	29°27′	19°15′	14°47′	10°04′	7°49′	5°54′	4°49′	3°43′	3°07′	2°44′	1°57′	-
	M_x	1.87	1.47	1.49	1.5	1.17	1.77	1.51	1.17	0.96	0.82	0.63	-
	η_d	0.87	0.85	0.81	0.77	0.71	0.67	0.65	0.6	0.54	0.52	0.44	-
	η_s	0.72	0.67	0.62	0.55	0.49	0.43	0.4	0.37	0.31	0.29	0.23	-
40	Z_1	6	4	3	2	2	2	1	1	1	1	1	1
	γ	29°14′	22°18′	17°11′	11°11′	8°58′	7°47′	5°58′	4°59′	3°53′	3°39′	2°43′	2°15′
	M_x	2.37	1.98	1.77	2.04	1.56	1.3	2.06	1.57	1.31	1.09	0.83	0.68
	η_d	0.89	0.88	0.84	0.82	0.75	0.74	0.72	0.69	0.61	0.61	0.51	0.51
	η_s	0.73	0.71	0.65	0.6	0.52	0.5	0.46	0.43	0.35	0.36	0.27	0.25
50	Z_1	6	4	3	2	2	2	1	1	1	1	1	1
	γ	28°29′	21°59′	16°58′	11°38′	10°01′	8°06′	5°32′	4°47′	3°43′	3°03′	2°47′	2°07′
	M_x	2.98	2.48	2.23	2.56	1.97	1.61	2.58	1.98	1.62	1.37	1.05	0.85
	η_d	0.88	0.87	0.84	0.81	0.76	0.74	0.71	0.67	0.61	0.59	0.51	0.5
	η_s	0.74	0.7	0.65	0.59	0.53	0.5	0.45	0.41	0.35	0.34	0.27	0.24
63	Z_1	6	4	3	2	2	2	1	1	1	1	1	1
	γ	27°35′	24°11′	19°29′	12°27′	10°47′	8°58′	6°33′	5°42′	4°26′	3°29′	2°55′	2°14′
	M_x	4.12	3.21	2.89	3.31	2.57	20.9	3.34	2.59	2.1	1.78	1.38	1.12
	η_d	0.89	0.88	0.86	0.83	0.79	0.77	0.74	0.71	0.65	0.63	0.56	0.51
	η_s	0.74	0.71	0.65	0.6	0.53	0.5	0.46	0.42	0.36	0.35	0.28	0.25
75	Z_1	-	4	3	2	2	2	1	1	1	1	1	1
	γ	-	27°13′	21°36′	13°46′	11°17′	9°36′	7°26′	5°51′	4°45′	3°55′	3°52′	2°43′
	M_x	-	3.87	3.25	3.89	2.97	2.42	3.97	3.01	2.43	2.01	1.51	1.21
	η_d	-	0.89	0.87	0.85	0.8	0.79	0.76	0.73	0.68	0.66	0.59	0.55
	η_s	-	0.71	0.67	0.61	0.56	0.52	0.47	0.44	0.38	0.37	0.29	0.27
90	Z_1	-	4	3	2	2	2	1	1	1	1	1	1
	γ	-	29°12′	24°37′	15°45′	13°16′	10°28′	8°09′	6°32′	5°28′	4°42′	3°33′	2°54′
	M_x	-	4.52	4.04	4.73	3.61	2.97	4.81	3.64	2.99	2.49	1.89	1.51
	η_d	-	0.9	0.88	0.86	0.82	0.81	0.78	0.76	0.71	0.7	0.62	0.59
	η_s	-	0.73	0.69	0.64	0.58	0.55	0.5	0.47	0.41	0.4	0.32	0.29
105 110	Z_1	-	4	3	2	2	2	1	1	1	1	1	1
	γ	-	28°27′	23°39′	15°17′	14°27′	12°53′	7°58′	7°21′	6°46′	5°42′	4°42′	3°33′
	M_x	-	5.54	5.03	5.78	4.54	3.75	5.86	4.59	3.73	3.11	2.37	1.91
	η_d	-	0.9	0.88	0.86	0.83	0.83	0.79	0.79	0.74	0.73	0.66	0.63
	η_s	-	0.72	0.68	0.63	0.6	0.58	0.49	0.5	0.44	0.43	0.36	0.33

注：Z1（蜗杆头数） γ（螺纹角度） Mx（模数）
Note:Z1(threads number of worm shaft) γ(thread angle) Mx(modules)

SJMRV选型表/SELECTION TABLE



6.1 总体选型表/Overall Selection Table

SJMRV/FV	PAM / IEC	N	M	P	可配电机功率(KW)	D											
						5	7.5	10	15	20	25	30	40	50	60	80	100
25	56B14	50	65	80	0.06	9	9	9	9	9	9	9	9	9	9	-	-
	56B14				0.09	9	9	9	9	9	9	9	9	-	-	-	-
30	56B14	50	65	80	0.06	9	9	9	9	9	9	9	9	9	9	9	-
	56B5	80	100	120	0.09	9	9	9	9	9	9	9	9	9	9	9	-
	63B14	60	75	90	0.12	11	11	11	11	11	11	11	11	11	-	-	-
	63B5	95	115	140	0.18	11	11	11	11	11	11	11	11	11	-	-	-
40	56B5	80	100	120	0.06	-	-	-	-	-	-	-	-	9	9	9	9
	63B14	60	75	90	0.09 0.12	11	11	11	11	11	11	11	11	11	11	11	11
	63B5	95	115	140	0.18	11	11	11	11	11	11	11	11	11	11	11	11
	71B14	70	85	105	0.25 0.37	14	14	14	14	14	14	14	14	-	-	-	-
	71B5	110	130	160	0.55	14	14	14	14	14	14	14	14	-	-	-	-
50	63B5	95	115	140	0.12	-	-	-	-	-	-	-	11	11	11	11	11
	71B14	70	85	105	0.18	14	14	14	14	14	14	14	14	14	14	14	-
	71B5	110	130	160	0.25 0.37	14	14	14	14	14	14	14	14	14	14	14	-
	80B14	80	100	120	0.55	19	19	19	19	19	19	19	-	-	-	-	-
	80B5	130	165	200	0.75	19	19	19	19	19	19	19	-	-	-	-	-
63	71B14	70	85	105	0.25	-	-	-	-	-	-	-	14	14	14	14	14
	71B5	110	130	160	0.37	-	-	-	-	-	-	-	14	14	14	14	14
	80B14	80	100	120	0.55	19	19	19	19	19	19	19	19	19	19	-	-
	80B5	130	165	200	0.75	19	19	19	19	19	19	19	19	19	19	-	-
	90B14	95	115	140	1.10	24	24	24	24	24	24	24	-	-	-	-	-
	90B5	130	165	200	1.50	24	24	24	24	24	24	24	-	-	-	-	-
75	71B5	110	130	160	0.55	-	-	-	-	-	-	-	-	14	14	14	14
	80B14	80	100	120	0.75	-	-	-	-	19	19	19	19	19	19	19	19
	80B5	130	165	200	1.10	-	-	-	-	19	19	19	19	19	19	19	19
	90B14	95	115	140	1.50	-	24	24	24	24	24	24	24	-	-	-	-
	90B5	130	165	200	2.20	-	24	24	24	24	24	24	24	-	-	-	-
	100/112B14	110	130	160	3.00	-	28	28	28	-	-	-	-	-	-	-	-
	100/112B5	180	215	250	4.00	-	28	28	28	-	-	-	-	-	-	-	-
90	80B14	80	100	120	0.75	-	-	-	-	-	-	-	19	19	19	19	19
	80B5	130	165	200	1.10	-	-	-	-	-	-	-	19	19	19	19	19
	90B14	95	115	140	1.50	-	24	24	24	24	24	24	24	24	24	-	-
	90B5	130	165	200	2.20	-	24	24	24	24	24	24	24	24	24	-	-
	100/112B14	110	130	160	3.00	-	28	28	28	28	28	28	-	-	-	-	-
	100/112B5	180	215	250	4.00	-	28	28	28	28	28	28	-	-	-	-	-
105 110	80B5	130	165	200	1.10 1.50	-	-	-	-	-	-	-	-	-	-	19	19
	90B5	130	165	200	2.20 3.00	-	-	-	-	-	24	24	24	24	24	24	24
	100/112B5	180	215	250	4.00 5.50	-	28	28	28	28	28	28	28	28	28	-	-
	132B5	230	265	300	7.50	-	38	38	38	38	-	-	-	-	-	-	-

安装说明与售后/INSTALLATION AND AFTER SALE

7.1 安装/Installation

安装减速器必须注意以下几点:
The following points must be noted when installing the reducer:

1、必须稳定地安装在机器上避免有任何松动。
The mounting on the machine must be stable to avoid any vibration.

2、在把减速器固定于机器上时检查减速器输出轴的正确的旋转方向。
Check the correct direction of rotation of the reduction unit output shaft before fitting the unit to the machine.

3、在长期的储存情况下(4-6个月)，一旦油封没有浸没在减速器的润滑油中，橡胶可能会粘住主轴甚至失去弹性，由于适当的弹性是油封必须的工作条件，所以推荐更换油封。
In the case of long-term storage (4-6 months), once the consistently the lubricating oil of the reducer, the rubber may stick to the spindle or even lose its elasticity. Since appropriate elasticity is a necessary working condition of the oil seal, So to replace the oil seal is recommended.

4、安装空心轴时应采用专用力矩扳手,如果无该条件时,用户可自行选用专用工具但应确保轴向不受力减速器可自由移动。
For a shaft mounting, for reduction units with a hollow output shaft use the torque arms we can supply, If this is not possible, make sure that the constraint is axially free and with such play as to ensure free movement for the reduction unit.

5、尽可能避免减速器处于阳光下直照或暴露于恶劣气候下。
Whenever possible protect the reduction unit against solar radiation and bad weather.

6、确保电机风扇边的空气有良好的通风条件以便获得足够的冷却。
Ensure the motor cools correctly by assuring good passage of air from the fan side.

7、当使用时的绝对温度<-5℃或>40℃时，请先与我们技术服务人员联系。
In the case of ambient temperatures <-5 ℃or>40℃, please comtact with our Technical Service first.

8、各种零件(轴、蜗轮、联轴器等)必须安装在实心或空心轴上，并用专用的扳手或其它工具，以确保正确安装而不会损坏轴承或减速器外端的所有零件，并以润滑油来润滑接触表面避免卡死或氧化。
The various parts(shafts, gear wheels, couplings, etc)must be mounted on the solid or hollow shafts using special threaded holes or other systems that anyhow ensure correct operation without contact to avoid seizure or oxidation.

9、橡胶零件以及透气孔上不能沾有油漆。
No paint on rubber parts and air holes.

10、当遇见配有透气油塞的减速器时，请把安装的普通螺塞拆掉，再装上透气油塞。
For units equipped with oil plugs replace the closed plug used for shipping with the special breather.

11、通过油视镜检查润滑油油量是否足够。
Check the correct level of the lubricant through the indicator if there is one.

12、使用新减速器时应该逐步加载，请不要立即提升到最大负载。
Starting must take place gradually without immediately applying the maximum load.

13、如有任何在减速器旁的零件物体或材料会因漏出的油而遭损坏时，应安装特殊的保护 。
When there are parts objects or materials under the motor drive that can be damaged by even limited spillage of oil special protection should be fitted.

7.2 电机PAM法兰安装/Motor Mounting With PAM Flange

当仅购买减速器时必须按照以下建议与已有的电机来组合以确保正常的使用。

When the unit is supplied without motor, it is necessary to follow these recommendation to ensure the correct assembly of the electric motor.

1、参照相关标准来检查电机的轴和法兰在安装时是否有过大的误差。

Check that the tolerances for the motor shaft and flange corresponding the standard.

2、仔细清洁轴,连轴器和法兰表面,擦除污垢和灰尘。

Carefully clean the shaft, couplings and surfaces of the flange removing traces of paint and dirt, and confirm the key is fitted correctly.

3、小心安装轴，保证轴和轴孔的配合，避免力度过大而导致损坏，必要时使用专用工具来进行。

Fit the half coupling to the motor shaft taking care to ensure the motor shaft and bearings are not damaged by avoiding excessive force and where necessary using assembly equipment.

4、请去除毛刺，电机轴上键的位置和公差要在规定的范围之内。

Complete the assembly using the fixing bolts. Key-ways with tightened tolerances.

5、用润滑油来润滑接触表面避免卡死或氧化。

Lubricate contact surfaces with lubricants to avoid sticking or oxidation.

7.3 使用须知/ Notice For Use

环境温度不在表中范围内，请与我们技术服务人员联系。

In case of ambient temperature not envisaged in the table, call our Technical Service.

(1)当工作环境温度低于-10℃或高于40℃时，要使用特殊材质的油封。

In the case of temperature-10℃ or over 40℃. It is necessary to use oil seals with special material.

(2)当工作环境温度低于0℃时，必须考虑下列情况。

For operating ranges with temperatures under 0℃. It is necessary to consider the following.

- 选用的电机必须在低温下能正常工作。

  The motors need to be suitable for operation at the envisaged ambient temperature.

- 电机的功率必须满足在低温下有较大启动力矩要求

  The power of the electric motor needs to be adequate for exceeding the higher starting torques required.

- 如果减速机箱体的材质是铸铁，在温度-15℃以下时，箱体会变得很脆，要注意尽量避免撞击。

  In the case of reduction units with a cast-iron case, pay attention to impact loads since cast iron may have problems of fragility at temperatures under-15℃.

- 在开始使用阶段时，由于润滑油的粘度很高,可能会产生一些问题，所以刚开始启动时最好让它空载运转几分钟。

  减速机运转大约10000小时后,应更换润滑油，换油频率按减速机实际运行情况和工作环境条件而定。

  During the early stages of service, problems of lubrication may arise due to the high level of viscosity taken on by the oil and so it is wise to have a few minutes of rotation under no load.

  The oil needs to be changed after approximately 10000 hours. This period depends on the type of service and the environment where the reduction unit works.

(3)SJMFV/RV025、030、040、050、063、075、090规格的减速机在出厂时已加注了润滑油，可以按照样本中安装方位所提到的方位安装。V5或V6安装时，请与我们按术服务人员联系。

The reduction units size SJMFV/RV025、030、040、050、063、075、090 are supplied complete with lubricant , and can therefore be mounted in any position envisaged in the catalogue. V5A/6 for which you should call our Technical service to assess the conditions of use.

(4)减速机SJMRV110的安装方位在下单时要说明，否则润滑油量按B8方位提供。

For sizes 110 it is necessary to specify the position, otherwise the reduction units are supplied with the quantity of oil relating to pos. B8.

(5)SJMRV/FV系列的减速机，在特定的工作环境，需配排气阀(可选配件)。

SJMRV/FV series worm gearbox should mount breather plug(optional parts) under special working condition.

(6)正常情况下，本系列减速机已加注终身免维护合成油，无需要更换润滑油。但若是特殊保用环境下，每工作3000小时，最低程度半年，应检查油以及油位，油封密封不严引起滴漏的常规检查，若是IEC输入的减速机，则检测检查弹性体，必要时进行更换。

Under normal circumstances, this series of reducer has been filled with maintenance-free synthetic oil for life, and there is no need to replace the lubricating oil.But under special warranty conditions,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.

(7)对于加注矿物油的减速机，根据不同的工作条件，最长每三年检测一次，更换矿物油，更换轴承润滑油。

About gearbox with mineral oil,Depending on the operating conditions , every 3 years at the latest for inspec -tion is needed. Then change the mineral oil and replace the bearing grease.

(8)请根据不同的工作条件而定，更换输出轴上的油封。

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

(9)产品出现故障时，不要拆卸部件，与本公司售后服务部门联系(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。

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 manufacture , malfunction problem is required) , then take the reasonable measures.

7.4 存放/ Storage

(1)有顶，防雨雪，无振动的条件下存放。
Under roof protected against rain and snow no shock loads.

(2)在设备和地面之间垫放木块或其他材料。
Underlay the block and other material between the ground and equipment.

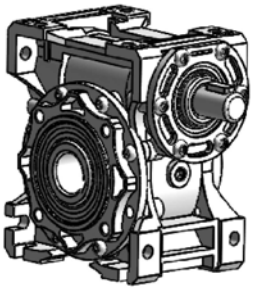
(3)开箱后暂不使用的减速机在其加工表面涂上防锈油，并应及时放置于包装箱内。
The opened but not used gear units should be added with the anti-corrosive oil on its surface, and then return to the packing containers timely.

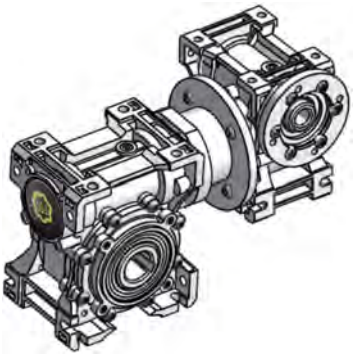
(4)在定期检查的情况下，两年以及更长时间。在进行检查时，应检查清洁度和机械损伤，检查防诱层是否完好。
Two years or more given regular inspections. Check for cleanliness and mechanical damage as part of the inspection, Check corrosion protection.

7.5 订货须知/ Notice For Order

订货时请根据使用需要的转速范图，输出扭矩，结构形式，对照性能参数、尺寸表、安装和操作方位图合理选择机型，写明型号标记(下单时是否带电机请说明，一般按不带电机供应)，订货时选择的安装方位应与安装方法一致，不然容易造成漏油，影响使用寿命，若安装方位特殊请另加说明。
Please refer to the sheet of performance parameter, NMRV series dimensions, Mounting and operation positions diagram, make reasonable choice of model, and write down model mark to your required revolution scope, output torque and structural from on ordering(whenordering, you should show whether the reducers are equipped with motors, otherwise reducers.

订货时请尽量选择本目录内的标准产品，如有特殊要求或配用特殊电机请附加说明。
Please make the best choice of standard products in this catalogue, and give an additional explanation for your special requirement and motors.





减速机负载特征表(参考表)/LOAD CHARATERISTIC CHART(FOR REFERECE)

捧坯转运机类 BAR TRANSMISSION EQUIPMENTS		泵类PUMPS	
捧坯推料机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
棍式矫直机 Roller leveling machine	B	塑料机械类 PLASTIC EQUIPMENTS	
乳钢机棍道(SM) ** Mill rolling way(heavy)	C	压光机** Glazing press	B
$L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	ffiM/I** 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		混合按拌机** 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
搬垂 Drop hammer	C	石料、瓷土料加工机械类	
机床及辅助装置 Machine tool and necessary	A	STONE PORCELAIN CLAY PROCESSING EQUIPMENTS	
机床及主要传动装置	B	球磨机 Ball crusher	B
金属刨床 Metal facing machine	C	挤压料碎机 Ejecting press and breaker	C
板材矫直机床 Plate-leveling machine tool	C	破碎机Breaker	C
冲床 Backing-out punch	C	压砖机 Brick press	C
冲压机床 Press machine tool	C	锤料碎机** Beating crusher	C
剪床 Cutting machine	B	转炉 ** Converter	C
薄板弯曲机床 Sheet bending machine tool	B	筒型磨机** Cylinder mill	C
石油工业机械类 PETROLEUM PROCESSING MACHINERY		纺织机械类 TEXTILE MACHINERY	
输油管油泵** Pump of oil pipe line	B	送料机 Feeding machine	B
转子钻井设备 Rotary drilling equipment	C	织布机 Loom machine	B
制纸机类 PAPERING MACHINE		印染机 Dyeing machine	B
压光机** Glazing press	C	精致筒 Purified drum	B
多层纸板机** Multilayer paper board machine	C	威罗机 Welon machine	B
干燥滚筒** Drying cylinder	C	水处理设备类 WASTER TREATMENT EQUIPMENTS	
上光滚筒** Glazing cylinder	C	鼓风机** Air blast	B
搅浆机** Masher	C	螺杆泵Screw pump	B
搅浆擦碎机** Mashing and breaking machine	C	木料加工机床 WOOD PROCESSING MACHINE TOOL	
吸水滚** Suction oil	C	剥皮机Barker	C
潮纸滚压机** Wet paper roller machine	C	刨床 Facing machine	B
吸水滚压机木** Water absorbing roller machine	C	锯床 Saw bench	C
威罗机Welon machine	C	木材加工机床Wood processing machine tool	A

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-Moderateshock load; C-Heavy shock load;**-for24hours system.

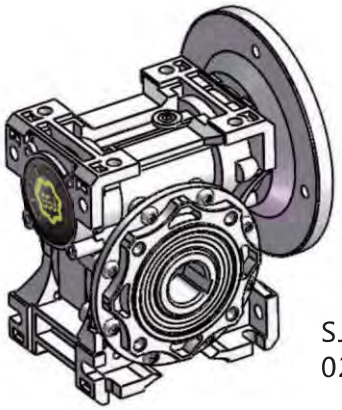
风机类AIR BLOWERS	
风机(轴向和径向)Air blower (axial or radial)	A
冷却塔风扇 Fan of cooling tower	B
引风机 Induced draught fan	B
螺旋活塞式风机Rotary piston type fan	B
蜗轮式风机Turbo-fan	A
建筑机械类 CONSTRUCTION MACHINERY	
混凝土搅拌机Concrete mixer	B
卷扬机Hoist	B
路面建筑机械 Road building machinery	B
钻孔机 Boring mill	B
化工机械类 CHEMICAL MACHINERY	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

减速机运转故障/GEAR BOX UNIT MALFUNCTIONS

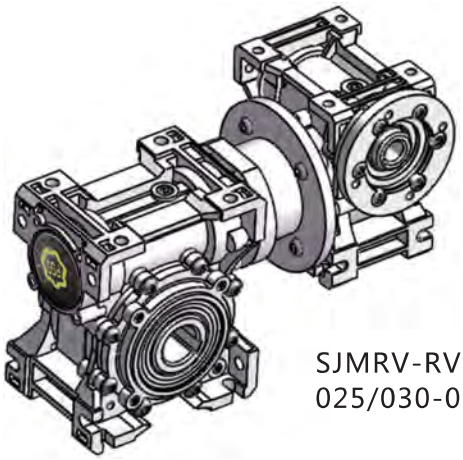
故障/Problem	可能的原因/Reason	解决方法/Remedy
异常、均匀的运转噪声 Unusual regular running noise	A.滚动/碾压噪声：轴承损坏 B.冲击型噪声：齿轮啮合不均匀 A.Meshing/grinding noise:Bearing damage B.Knocking noise:Irregularity in the gear	A.检测润滑油，更换轴承 B.请向客户服务部咨询 A.Check the oil,change bearings B.Contact customer service
异常、不均匀的运转噪声 Unusual irregular 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 sevice
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.减速机机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 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 cover plate and observe the gear unit 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 breaking valve	A.频繁冷起动（机油起泡沫）/或者有较高的油位 B.传动装置安装方式错误 A.Frequent cold starts(oil foams)and /or high oil level B.Drive operated in incorrect mounting position	正确安排排气阀门并且矫正油位（参见安装方式） Mount the breather valve (see "Mounting position")and correct the oil level
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 breaking valve	减速机中的轴轮毂联接断裂 Connection between shaft and hub in gear unit interrupted	将减速机或是减速电机送修 Send the reducer or motor 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渗油/油脂的现象。
Short-term oil/grease leakage at the oil seal is possible in the run-in phase (24h running time).

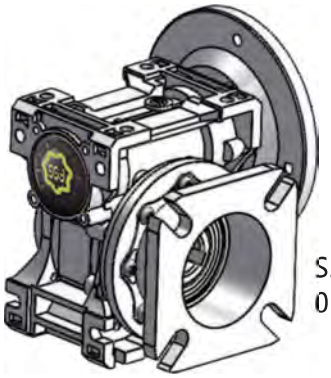
产品展示/PRODUCT DOSIPAY



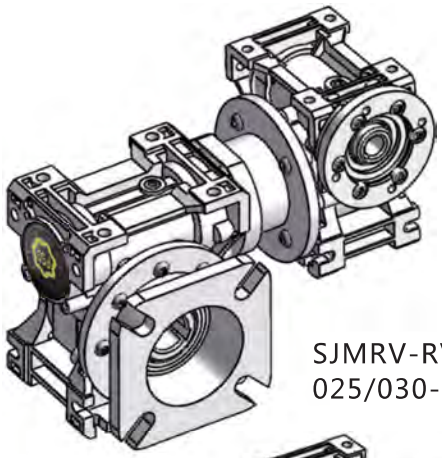
SJMRV
025-110



SJMRV-RV
025/030-050/110



SJMRV
025-110F



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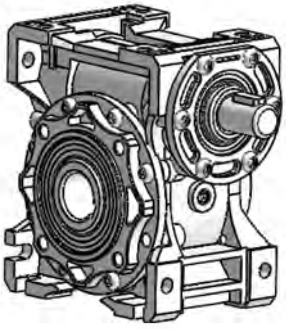
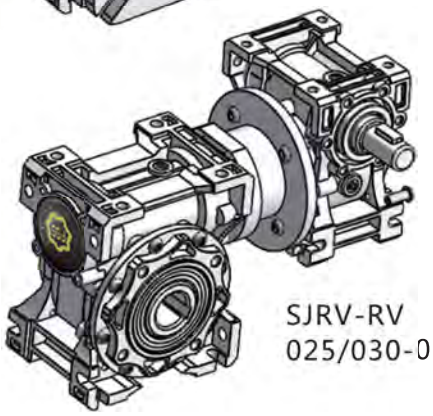
025/030-050/110



SJRV
025-110



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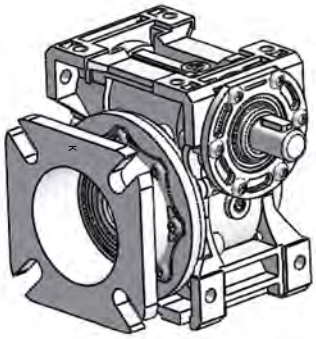
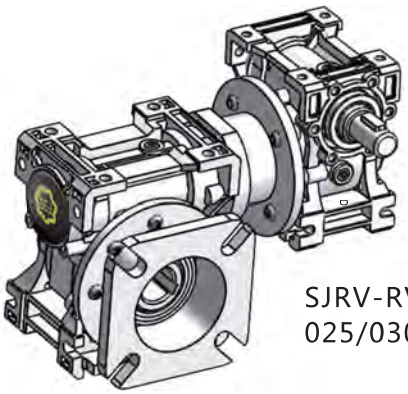
025/030-050/110

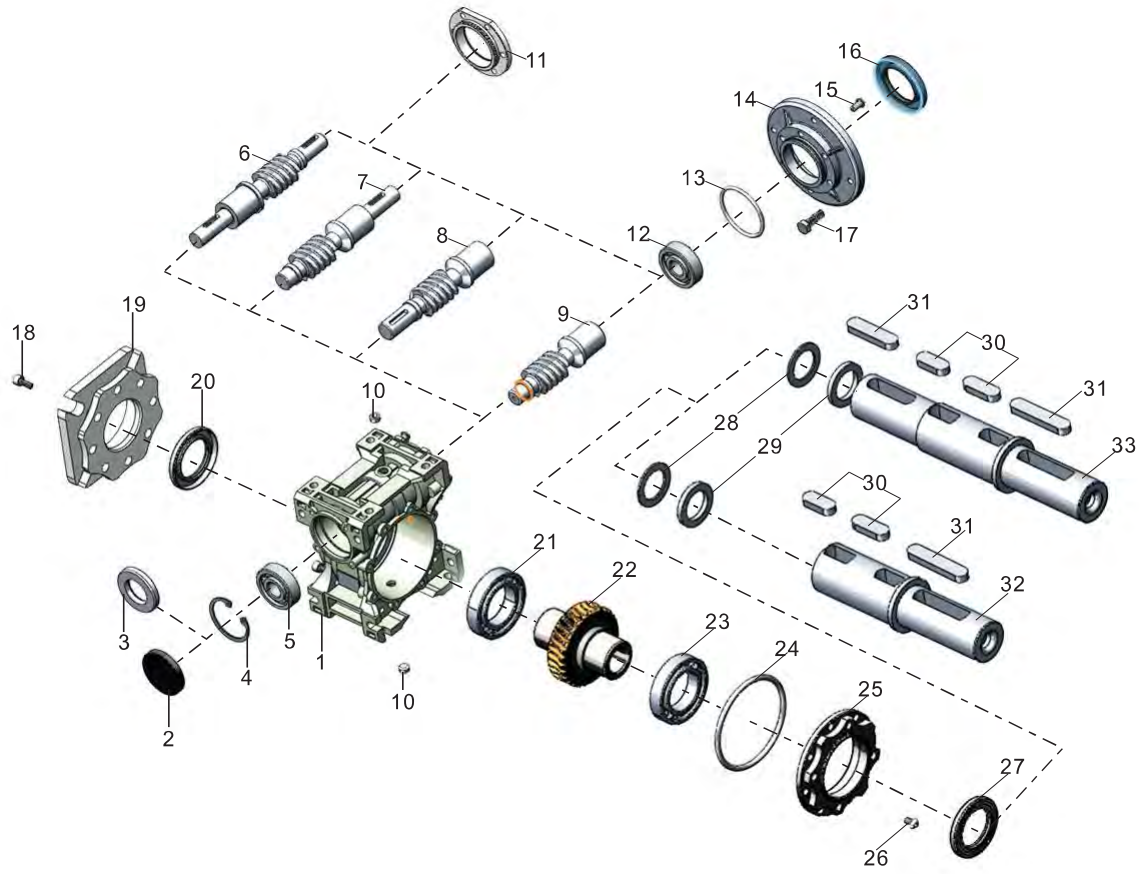


SJRV
025-110F



SJRV-RV
025/030-050/110

结构分解图/STRUCTURE DIAGRAM

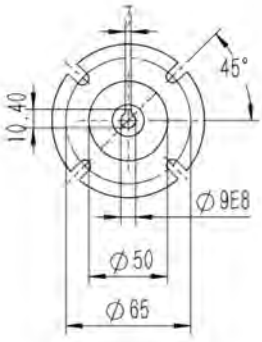


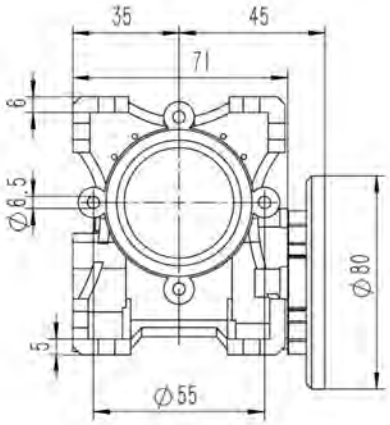
1	壳体/Case	18	内六角螺钉/Iner hex screw
2	油封盖/Closing cap	19	输出法兰/Output flange
3	骨架油封/Oil seal	20	油封/Oil seal
4	孔用挡圈/Hole-circlip	21	轴承/Bearing
5	轴承/Bearing	22	蜗轮/Wheel
6	双头轴输入蜗杆/Double input shaft worm	23	轴承/Bearing
7	轴输入蜗杆/Input shaft worm	24	O型圈/O-ring
8	孔、轴输入蜗杆/Input shaft and hole worm	25	端盖/Cover
9	孔输入蜗杆/Input hole worm	26	内六角螺钉/Inner hex screw
10	油塞/Oil plug	27	油封/Oil seal
11	油封座/Oilseal	28	轴用挡圈/Shaft-circlip
12	轴承/Bearing	29	垫圈/Washer
13	O型圈/O-ring	30	键/Key
14	输入法兰/Intput flange	31	键/Key
15	内六角螺钉/Inner hex screw	32	单向输出轴/Single output shaft
16	油封/Oil seal	33	双向输出轴/Double output shaft
17	外六角螺栓/Six hexagon bolt		

11.2 SJMRV025选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV025 	5	280	1.8	439	6.2	561-4	0.06	175
		280	2.7	439	4.1	562-4	0.09	175
		180	2.7	509	4.8	562-6	0.06	175
	7.5	186.7	2.6	503	4.2	561-4	0.06	175
		186.7	3.9	503	2.8	562-4	0.09	175
		120	4	583	3.2	562-6	0.06	175
	10	140	3.4	553	3.5	561-4	0.06	175
		140	5.1	553	2.4	562-4	0.09	175
		90	5.2	641	2.7	562-6	0.06	175
	15	93.3	4.9	633	2.5	561-4	0.06	175
		93.3	7.3	633	1.6	562-4	0.09	175
		60	7.4	734	1.9	562-6	0.06	175
	20	70	6.1	697	2.0	561-4	0.06	175
		70	9.2	697	1.3	562-4	0.09	175
		45	9.3	808	1.4	562-6	0.06	175
	25	56	8.2	747	1.8	561-4	0.06	175
		56	12	747	1.2	562-4	0.09	175
		36	12	867	1.3	562-6	0.06	175
	30	46.7	8.2	798	1.6	561-4	0.06	175
		46.7	12	798	1.1	562-4	0.09	175
		30	12	925	1.2	562-6	0.06	175
	40	35	10	878	1.3	561-4	0.06	175
		35	15	878	0.9	562-4	0.09	175
		22.5	15	1018	0.9	562-6	0.06	175
	50	28	12	946	0.9	561-4	0.06	175
		18	18	1096	0.7	562-6	0.06	175
	60	23.3	14	1006	0.7	561-4	0.06	175

SJMRV025


45°
10.40
Ø9E8
Ø50
Ø65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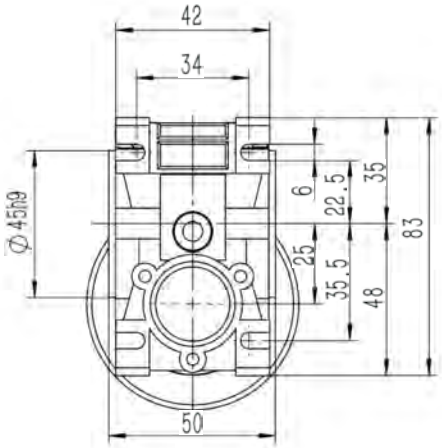
45
71
6
Ø6.5
Ø80
5
Ø55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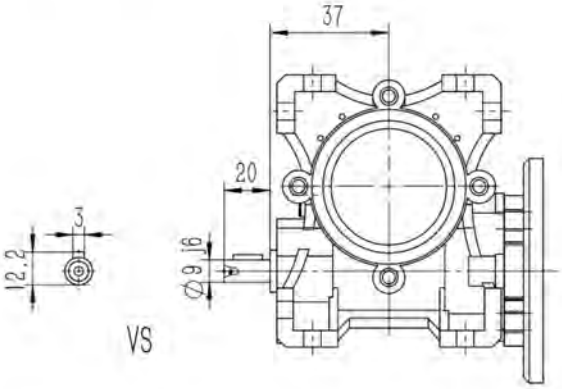
34
Ø45h9
6
22.5
35
83
25
35.5
48
50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20
3
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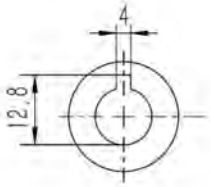
VS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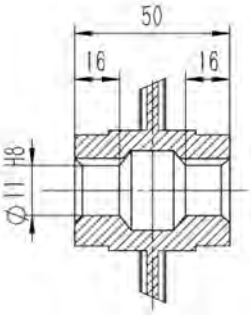
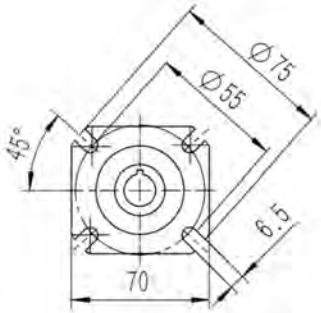
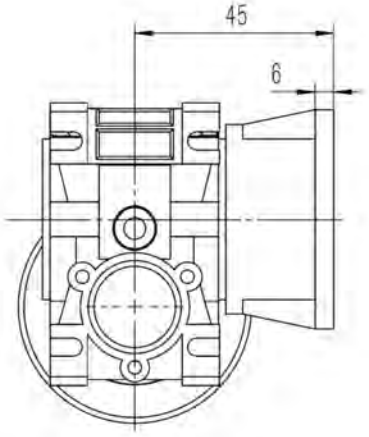
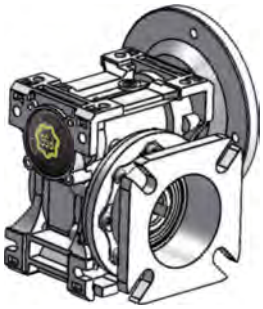
12.8


50
16
16
Ø11 H8


Ø75
Ø55
45°
6.5
70

F

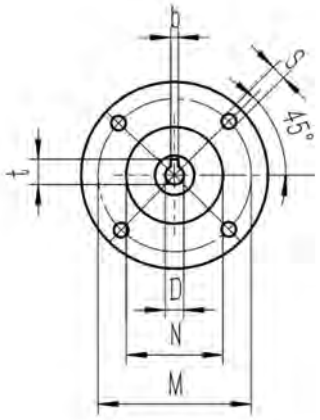

45
6

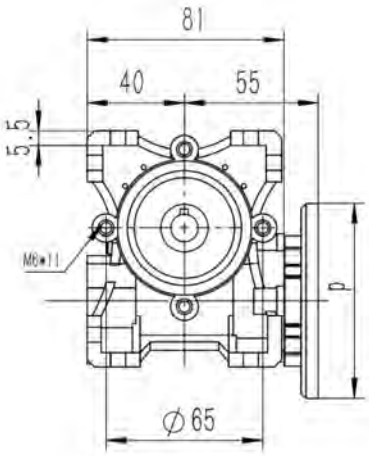


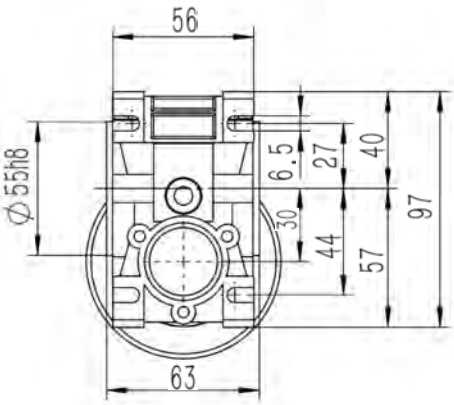
11.3 SJMRV030选型表/Selection Table

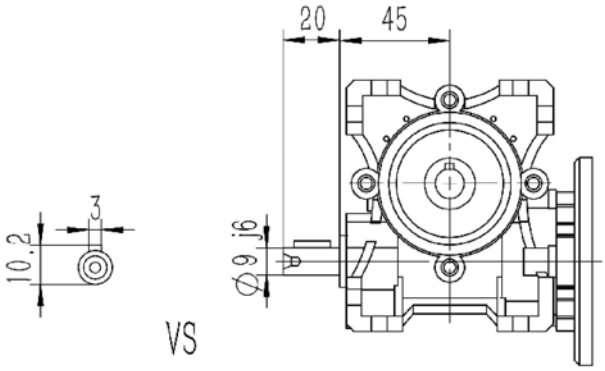
减速器型号 Type	减速比 i	输出转速 n2 (min-1)	输出扭矩 Mn2 (Nm)	输出载荷 Fr2 (N)	工作系数 f.s.	电机型号 Motor size	输入功率 P1 (kW)	电机长度 Lenth of Motor (mm)
SJMRV030 	5	280	1.8	597	8.1	561-4	0.06	175
		280	2.7	597	6.7	562-4	0.09	175
		280	3.6	597	5.1	631-4	0.12	190
		280	5.3	597	3.4	632-4	0.18	190
		180	4.1	692	4.9	631-6	0.09	190
		180	5.4	692	3.7	632-6	0.12	190
	7.5	186.7	2.6	683	6.9	561-4	0.06	175
		186.7	3.9	683	4.6	562-4	0.09	175
		186.7	5.2	683	3.4	631-4	0.12	190
		186.7	7.8	683	2.3	632-4	0.18	190
		120	5.9	792	3.4	631-6	0.09	190
		120	7.9	792	2.5	632-6	0.12	190
	10	140	3.4	752	5.4	561-4	0.06	175
		140	5	752	3.6	562-4	0.09	175
		140	6.7	752	2.7	631-4	0.12	190
		140	10	752	1.8	632-4	0.18	190
		90	7.6	871	2.6	631-6	0.09	190
		90	10	871	2.0	632-6	0.12	190
	15	93.3	4.7	861	3.8	561-4	0.06	175
		93.3	7.1	861	2.5	562-4	0.09	175
		93.3	9.5	861	1.9	631-4	0.12	190
		93.3	14	861	1.3	632-4	0.18	190
		60	11	997	1.9	631-6	0.09	190
		60	14	997	1.4	632-6	0.12	190
	20	70	6	948	3.0	561-4	0.06	175
		70	9	948	2.0	562-4	0.09	175
		70	12	948	1.5	631-4	0.12	190
		70	18	948	1.0	632-4	0.18	190
		45	13	1098	1.5	631-6	0.09	190
		45	18	1098	1.1	632-6	0.12	190
	25	56	7	1021	3.0	561-4	0.06	175
		56	10	1021	2.0	562-4	0.09	175
		56	14	1021	1.5	631-4	0.12	190
		56	21	1021	1.0	632-4	0.18	190
		36	15	1183	1.5	631-6	0.09	190
		36	20	1183	1.1	632-6	0.12	190
	30	46.7	8	1085	2.5	561-4	0.06	175
		46.7	12	1085	1.7	562-4	0.09	175
		46.7	16	1085	1.3	631-4	0.12	190
		46.7	24	1085	0.8	632-4	0.18	190
		30	17	1257	1.2	631-6	0.09	190
		30	23	1257	0.9	632-6	0.12	190
	40	35	9.7	1194	1.9	561-4	0.06	175
		35	14	1194	1.2	562-4	0.09	175
		35	19	1194	0.9	631-4	0.12	190
		22.5	21	1383	1.0	631-6	0.09	190
	50	28	11	1286	1.5	561-4	0.06	175
		28	17	1286	1.0	562-4	0.09	175
		28	23	1286	0.8	631-4	0.12	190
		18	24	1490	0.7	631-6	0.09	190
	60	23.3	13	1367	1.3	561-4	0.06	175
		23.3	19	1367	0.9	562-4	0.09	175
		15	18	1583	0.9	562-6	0.06	175
	80	17.5	14	1504	0.9	561-4	0.06	175

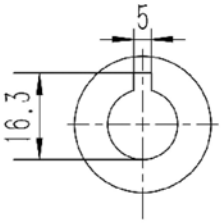
SJMRV030

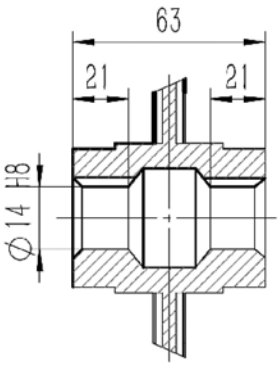


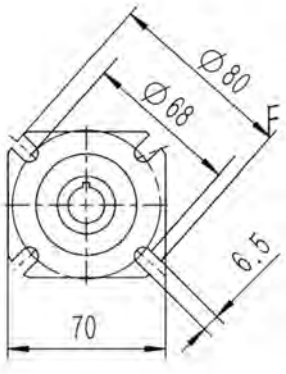


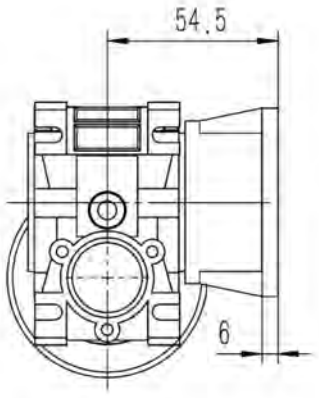




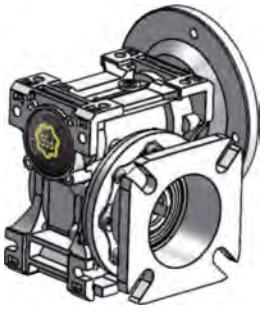








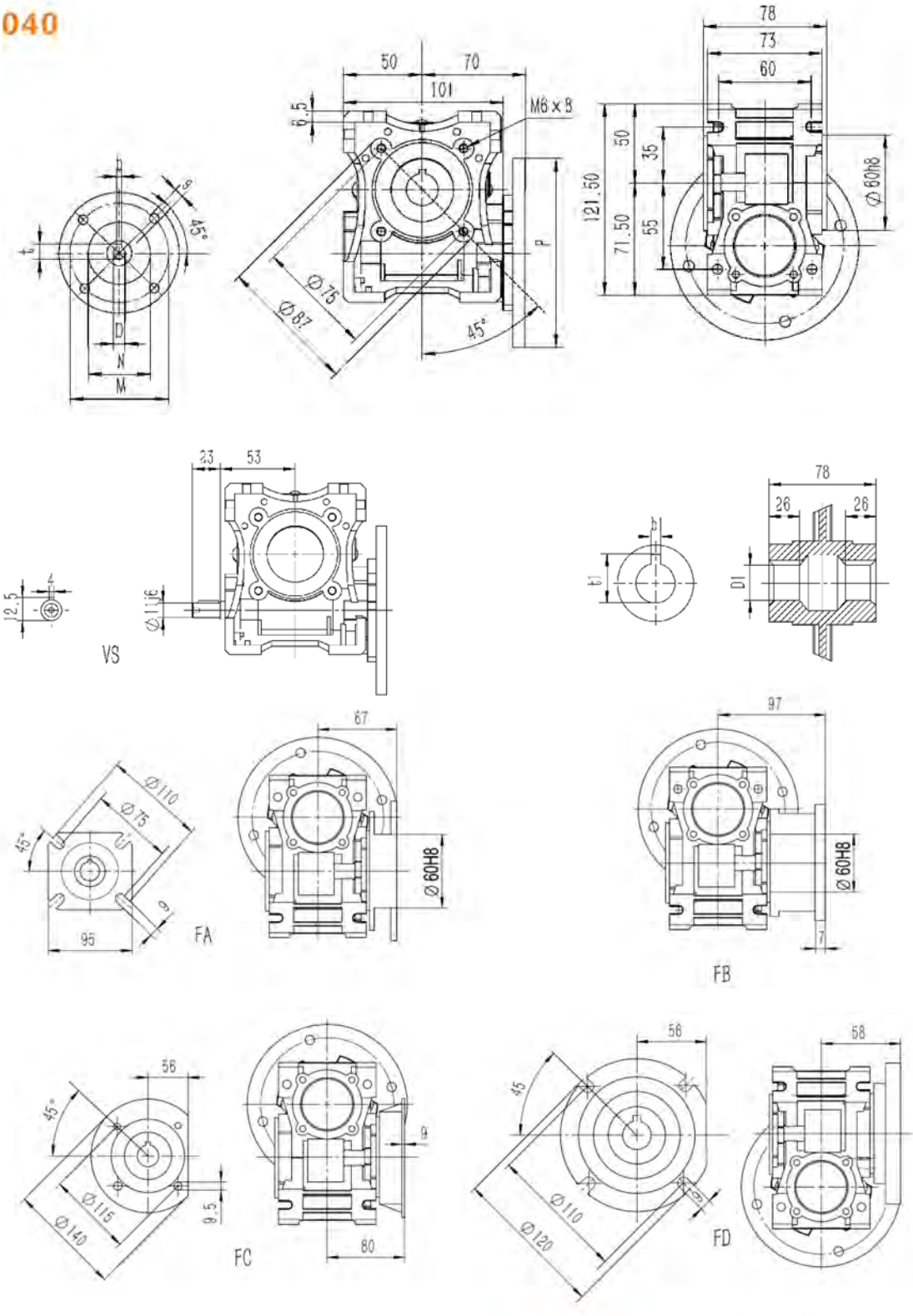
PAM / IEC	DE8	b	t	p	M	N	S
63B5	11	4	12.8	140	115	95	9
63B14	11	4	12.8	90	75	60	5.5
56B5	9	3	10.4	120	100	80	6.5
56B14	9	3	10.4	80	65	50	5.5



11.4 SJMRV040选型表/Selction table

减速器型号 Type	减速比 i	输出转速 n2 (min-1)	输出扭矩 Mn2 (Nm)	输出载荷 Fr2 (N)	工作系数 f.s.	电机型号 Motor size	输入功率 P1 (kW)	电机长度 Lenth of Motor (mm)
SJMRV040 	5	280	8	1149	4.5	711-4	0.25	225
		280	11	1149	3.0	712-4	0.37	225
		180	12	1331	3.5	712-6	0.25	225
	7.5	186.7	11	1315	3.6	711-4	0.25	225
		186.7	16	1315	2.4	712-4	0.37	225
		120	17	1524	2.6	712-6	0.25	225
	10	140	14	1447	2.8	711-4	0.25	225
		140	21	1447	1.9	712-4	0.37	225
		90	22	1677	2.0	712-6	0.25	225
	15	93.3	21	1657	1.9	711-4	0.25	225
		93.3	31	1657	1.3	712-4	0.37	225
		60	31	1920	1.4	712-6	0.25	225
	20	70	19	1824	2.0	632-4	0.18	190
		70	27	1824	1.5	711-4	0.25	225
		70	39	1824	1.0	712-4	0.37	225
		45	29	2113	1.5	711-6	0.18	225
		45	40	2113	1.1	712-6	0.25	225
	25	56	23	1964	1.7	632-4	0.18	190
		56	32	1964	1.2	711-4	0.25	225
		56	47	1964	0.8	712-4	0.37	225
		36	34	2276	1.3	711-6	0.18	225
		36	48	2276	0.9	712-6	0.25	225
	30	46.7	17	2087	2.6	631-4	0.12	190
		46.7	26	2087	1.7	632-4	0.18	190
		46.7	36	2087	1.3	711-4	0.25	225
		46.7	53	2087	0.8	712-4	0.37	225
		30	19	2419	2.6	631-6	0.09	190
		30	25	2419	1.9	632-6	0.12	190
		30	38	2419	1.3	711-6	0.18	225
		30	53	2419	0.9	712-6	0.25	225
	40	35	21	2298	1.9	631-4	0.12	190
		35	32	2298	1.3	632-4	0.18	190
		35	44	2298	0.9	711-4	0.25	225
		22.5	24	2662	1.9	631-6	0.09	190
		22.5	32	2662	1.4	632-6	0.12	190
		22.5	47	2662	1.0	711-6	0.18	225
	50	28	19	2475	2.0	562-4	0.09	175
		28	25	2475	1.5	631-4	0.12	190
		28	38	2475	1.0	632-4	0.18	190
		18	18	2868	2.3	562-6	0.06	175
		18	27	2868	1.5	631-6	0.09	190
		18	36	2868	1.2	632-6	0.12	190
	60	23.3	21	2630	1.7	562-4	0.09	175
		23.3	28	2630	1.3	631-4	0.12	190
		23.3	43	2630	0.8	632-4	0.18	190
		15	21	3047	1.9	562-6	0.06	175
		15	31	3047	1.3	631-6	0.09	190
		15	41	3047	0.9	632-6	0.12	190
	80	17.5	26	2895	1.3	562-4	0.09	175
		17.5	34	2895	1.0	631-4	0.12	190
		11.3	24	3354	1.4	562-6	0.06	175
		11.3	37	3354	1.0	631-6	0.09	190
	100	14	29	3118	1.0	562-4	0.09	175
		14	38	3118	0.8	631-4	0.12	190
		9	27	3490	1.2	562-6	0.06	175
		9	41	3490	0.8	631-6	0.09	190

SJMRV040



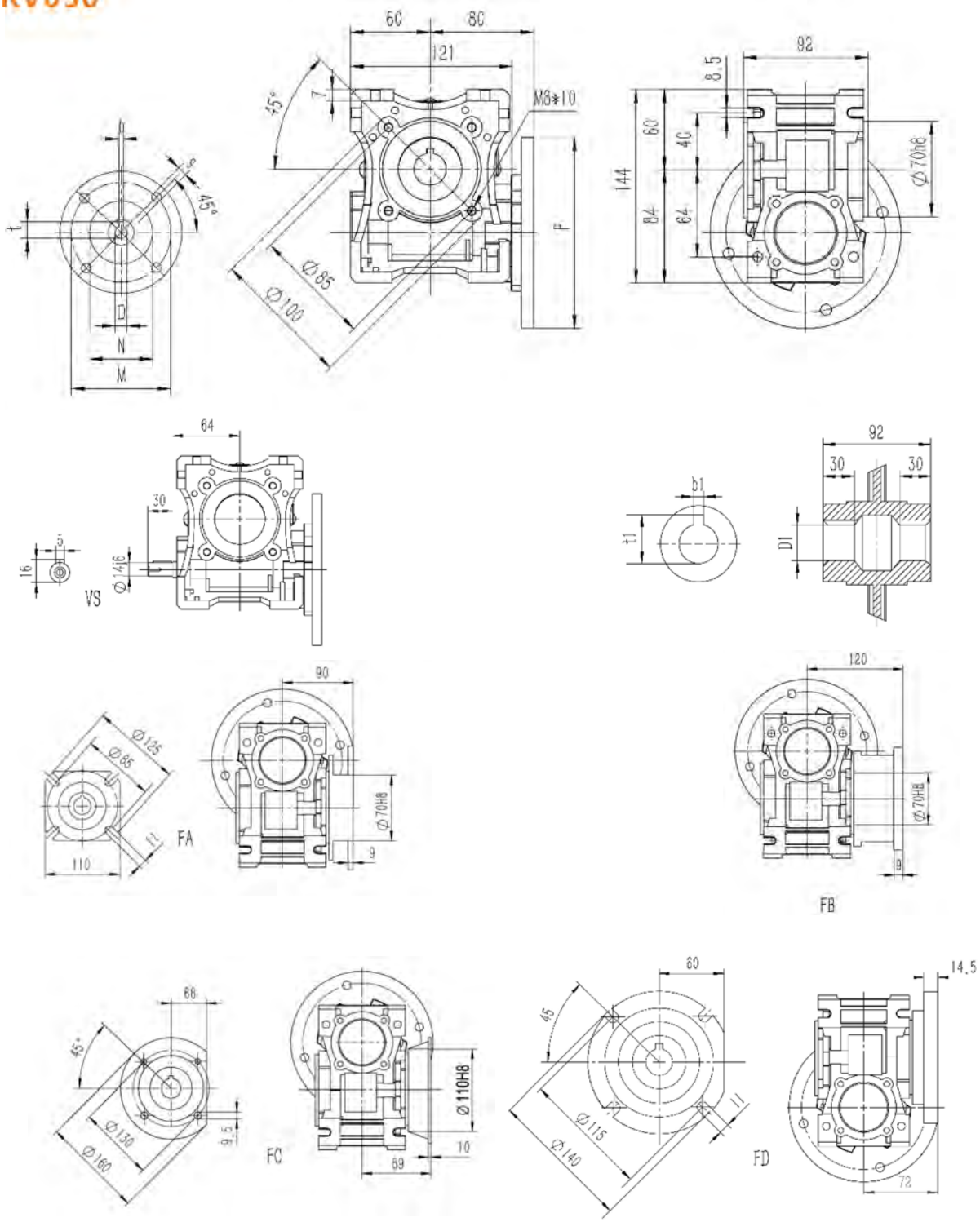
PAM / IEC	DE8	b	t	p	M	N	S
71B5	14	5	16.3	160	130	110	8.5
71B14	14	5	16.3	105	85	70	6.5
63B5	11	4	12.8	140	115	95	9
63B14	11	4	12.8	90	75	60	6
56B5	9	3	10.4	120	100	80	6.5

输出 output	D1H8	b1	t1
	18	6	20.8
	(19)	(6)	(21.8)
	(...)根据用户要求定制 (...)Only on request		

11.5 SJMRV050选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV050 	5	280	17	1577	3.7	801-4	0.55	245
		280	23	1577	2.7	802-4	0.75	245
		180	17	1827	4.3	801-6	0.37	245
	7.5	186.7	25	1805	2.9	801-4	0.55	245
		186.7	34	1805	2.1	802-4	0.75	245
		120	25	2091	3.3	801-6	0.37	245
		120	38	2091	2.2	802-6	0.55	245
	10	140	22	1987	3.3	712-4	0.37	225
		140	32	1987	2.2	801-4	0.55	245
		140	44	1987	1.6	802-4	0.75	245
		90	33	2302	2.5	801-6	0.37	245
		90	49	2302	1.7	802-6	0.55	245
	15	93.3	31	2274	2.4	712-4	0.37	225
		93.3	46	2274	1.6	801-4	0.55	245
		93.3	63	2274	1.2	802-4	0.75	245
		60	47	2635	1.8	801-6	0.37	245
		60	69	2635	1.2	802-6	0.55	245
	20	70	27	2503	2.7	711-4	0.25	225
		70	40	2503	1.8	712-4	0.37	225
		70	59	2503	1.2	801-4	0.55	245
		70	81	2503	0.9	802-4	0.75	245
		45	40	2900	1.9	712-6	0.25	225
		45	60	2900	1.3	801-6	0.37	245
		45	89	2900	0.9	802-6	0.55	245
	25	56	32	2696	2.2	711-4	0.25	225
		56	48	2696	1.5	712-4	0.37	225
		56	71	2696	1.0	801-4	0.55	245
		36	48	3124	1.5	712-6	0.25	225
		36	72	3124	1.0	801-6	0.37	245
	30	46.7	37	2865	2.3	711-4	0.25	225
		46.7	55	2865	1.5	712-4	0.37	225
		46.7	81	2865	1.0	801-4	0.55	245
		30	54	3320	1.7	712-6	0.25	225
		30	80	3320	1.1	801-6	0.37	245
	40	35	33	3153	2.3	632-4	0.18	190
		35	46	3153	1.7	711-4	0.25	225
		35	68	3153	1.1	712-4	0.37	225
		22.5	32	3654	2.6	632-6	0.12	190
		22.5	67	3654	1.2	712-6	0.25	225
	50	28	39	3397	1.9	632-4	0.18	190
		28	54	3397	1.4	711-4	0.25	225
		28	80	3397	0.9	712-4	0.37	225
		18	38	3936	2.0	632-6	0.12	190
		18	56	3936	1.4	711-6	0.18	225
		18	78	3936	1.0	712-6	0.25	225
	60	23.3	29	3610	2.3	631-4	0.12	190
		23.3	43	3610	1.6	632-4	0.18	190
		23.3	60	3610	1.1	711-4	0.25	225
		23.3	89	3610	0.8	712-4	0.37	225
		15	32	4183	2.3	631-6	0.09	190
		15	42	4183	1.7	632-6	0.12	190
		15	63	4183	1.1	711-6	0.18	225
		15	88	4183	0.8	712-6	0.25	225
	80	17.5	35	3973	1.9	631-4	0.12	190
		17.5	52	3973	1.2	632-4	0.18	190
		17.5	72	3973	0.9	711-4	0.25	225
		11.3	37	4604	1.8	631-6	0.09	190
		11.3	50	4604	1.4	632-6	0.12	190
		11.3	75	4604	0.9	711-6	0.18	225
	100	14	40	4280	1.4	631-4	0.12	190
		14	60	4280	0.9	632-4	0.18	190
		9	42	4840	1.3	631-6	0.09	190
		9	56	4840	1.0	632-6	0.12	190

SJMRV050



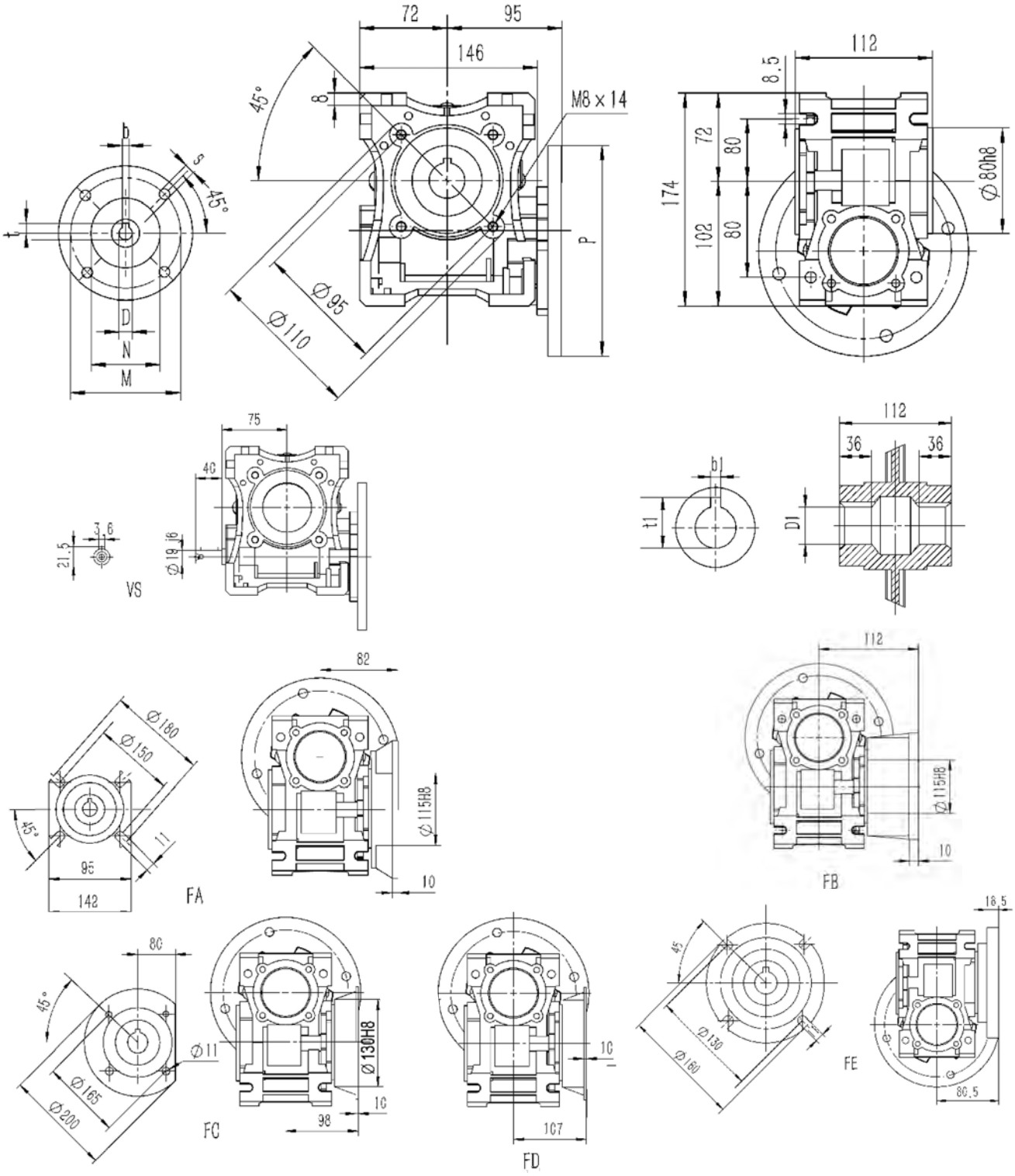
PAM / IEC	DE8	b	t	p	M	N	S
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	6.5
71B5	14	5	16.3	160	130	110	8.5
71B14	14	5	16.3	105	85	70	7
63B5	11	4	12.8	140	115	95	8.5

输出 output	D1H8	b1	t1
	25	8	28.3
	(24)	(8)	(27.3)
	(...)根据用户要求定制 (...)Only on request		

11.6 SJMRV063选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV063 	5	280	32	2076	3.4	90S-4	1.1	254
		280	44	2076	2.3	90L-4	1.5	279
		180	33	2406	3.7	90S-6	0.75	254
		180	49	2406	2.5	90L-6	1.1	279
	7.5	186.7	50	2359	2.6	90S-4	1.1	254
		186.7	68	2359	1.9	90L-4	1.5	279
		120	52	2734	2.9	90S-6	0.75	254
		120	76	2734	2.0	90L-6	1.1	279
	10	140	65	2597	2.0	90S-4	1.1	254
		140	89	2597	1.5	90L-4	1.5	279
		90	68	3009	2.3	90S-6	0.75	254
		90	99	3009	1.5	90L-6	1.1	279
	15	93.3	64	2973	2.2	802-4	0.75	245
		93.3	93	2973	1.5	90S-4	1.1	254
		93.3	127	2973	1.1	90L-4	1.5	279
		60	71	3444	2.2	802-6	0.55	245
		60	97	3444	1.6	90S-6	0.75	254
		60	142	3444	1.1	90L-6	1.1	279
	20	70	61	3272	2.2	801-4	0.55	245
		70	83	3272	1.6	802-4	0.75	254
		70	166	3272	0.8	90L-4	1.5	279
		70	122	3272	1.1	90S-4	1.1	254
		45	60	3791	2.4	801-6	0.37	245
		45	90	3791	1.6	802-6	0.55	245
		45	123	3791	1.2	90S-6	0.75	254
		45	180	3791	0.8	90L-6	1.1	279
	25	56	73	3524	1.8	801-4	0.55	245
		56	100	3524	1.3	802-4	0.75	245
		56	146	3524	0.9	90S-4	1.1	254
		36	74	4084	1.9	801-6	0.37	245
		36	109	4084	1.3	802-6	0.55	245
		36	149	4084	0.9	90S-6	0.75	254
	30	46.7	83	3745	1.9	801-4	0.55	245
		46.7	114	3745	1.4	802-4	0.75	245
		46.7	167	3745	1.0	90S-4	1.1	254
		30	82	4339	2.1	801-6	0.37	245
		30	123	4339	1.4	802-6	0.55	245
		30	167	4339	1.0	90S-6	0.75	254
	40	35	71	4122	2.1	712-4	0.37	225
		35	105	4122	1.4	801-4	0.55	245
		35	143	4122	1.0	802-4	0.75	245
		22.5	102	4776	1.6	801-6	0.37	245
		22.5	152	4776	1.1	802-6	0.55	245
	50	28	56	4440	2.4	711-4	0.25	225
		28	83	4440	1.6	712-4	0.37	225
		28	124	4440	1.1	801-4	0.55	245
		18	81	5145	1.8	712-6	0.25	225
		18	120	5145	1.2	801-6	0.37	245
	60	23.3	63	4719	2.0	711-4	0.25	225
		23.3	94	4719	1.4	712-4	0.37	225
		23.3	140	4719	0.9	801-4	0.55	245
		15	66	5467	2.1	711-6	0.18	225
		15	92	5467	1.5	712-6	0.25	225
		15	137	5467	1.0	801-6	0.37	245
	80	17.5	78	5193	1.6	711-4	0.25	225
		17.5	115	5193	1.1	712-4	0.37	225
		11.3	79	6018	1.6	711-6	0.18	225
		11.3	110	6018	1.2	712-6	0.25	225
	100	14	87	5595	1.4	711-4	0.25	225
		14	129	5595	0.9	712-4	0.37	225
		9	90	6270	1.4	711-6	0.18	225
		9	125	6270	1.0	712-6	0.25	225

SJMRV063



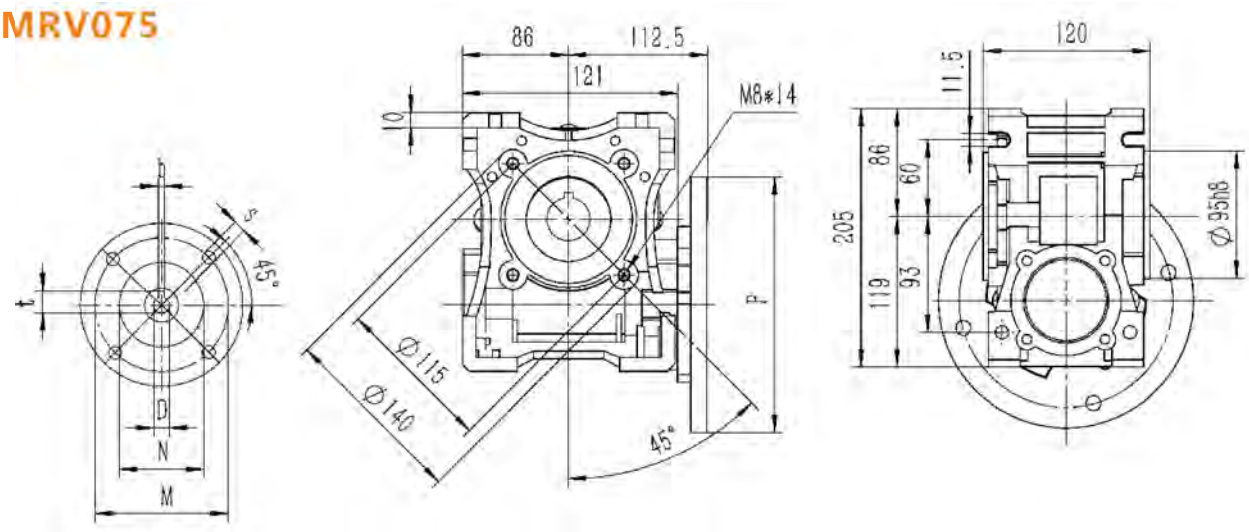
PAM / IEC	DE8	b	t	P	M	N	S
90B5	24	8	27.3	200	165	130	11
90B14	24	8	27.3	140	115	95	9
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	7
71B5	14	5	16.3	160	130	110	8.5
71B14	14	5	16.3	105	85	70	7

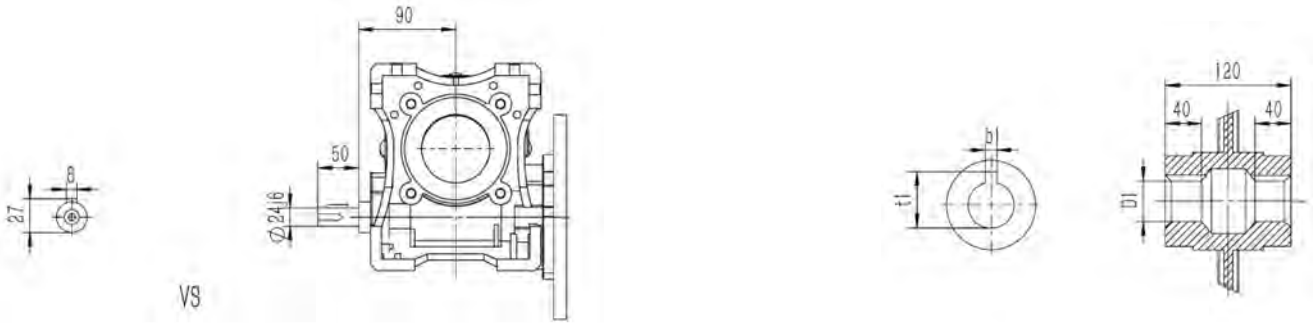
输出 output	$D1_{H8}$	b1	t1
	25	8	28.3
	(28)	(8)	(31.3)
	(...)根据用户要求定制 (...)Only on request		

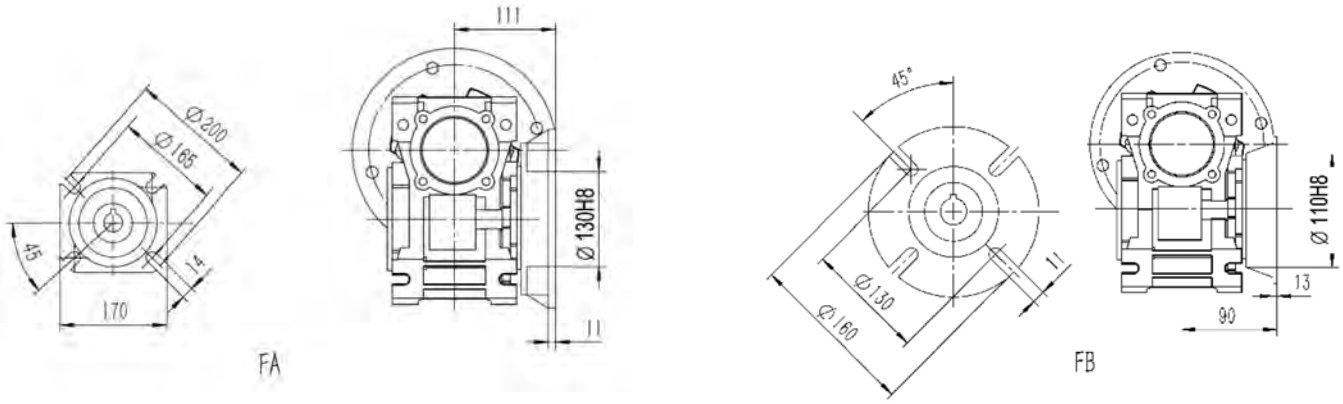
11.7 SJMRV075选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV075 	7.5	186.7	100	2785	1.8	100L1-4	2.2	312
		186.7	137	2785	1.4	100L2-4	3.0	312
		186.7	182	2785	1.0	112M-4	4.0	334
		120	105	3227	2.0	100L-6	1.5	312
	10	140	90	3065	2.2	90L-4	1.5	279
		140	132	3065	1.5	100L1-4	2.2	312
		140	180	3065	1.1	100L2-4	3.0	312
		140	240	3065	0.8	112M-4	4.0	334
		90	100	3551	2.3	90L-6	1.1	312
		90	137	3551	1.7	100L-6	1.5	312
	15	93.3	96	3509	2.1	90S-4	1.1	254
		93.3	130	3509	1.5	90L-4	1.5	279
		93.3	191	3509	1.0	100L1-4	2.2	312
		93.3	261	3509	0.8	100L2-4	3.0	312
		60	98	4065	2.4	90S-6	0.75	254
		60	144	4065	1.6	90L-6	1.1	279
		60	196	4065	1.2	100L-6	1.5	312
	20	70	123	3862	1.7	90S-4	1.1	254
		70	168	3862	1.3	90L-4	1.5	279
		45	126	4474	1.9	90S-6	0.75	254
		45	184	4474	1.3	90L-6	1.1	279
	25	56	102	4160	2.0	802-4	0.75	245
		56	150	4160	1.3	90S-4	1.1	254
		56	205	4160	1.0	90L-4	1.5	279
		36	153	4820	1.4	90S-6	0.75	254
		36	225	4820	1.0	90L-6	1.1	279
	30	46.7	117	4421	2.0	802-4	0.75	245
		46.7	171	4421	1.3	90S-4	1.1	254
		46.7	233	4421	1.0	90L-4	1.5	279
		30	128	5122	2.0	802-6	0.55	245
		30	174	5122	1.5	90S-6	0.75	254
		30	256	5122	1.0	90L-6	1.1	279
	40	35	108	4865	2.0	801-4	0.55	245
		35	147	4865	1.5	802-4	0.75	245
		35	216	4865	1.0	90S-4	1.1	254
		22.5	159	5637	1.5	802-6	0.55	245
		22.5	216	5637	1.1	90S-6	0.75	254
	50	28	129	5241	1.6	801-4	0.55	245
		28	177	5241	1.2	802-4	0.75	245
		18	126	6073	1.8	801-6	0.37	245
		18	187	6073	1.2	802-6	0.55	245
	60	23.3	98	5569	2.0	712-4	0.37	225
		23.3	146	5569	1.4	801-4	0.55	245
		23.3	200	5569	1.0	802-4	0.75	245
		15	144	6453	1.5	801-6	0.37	245
		15	214	6453	1.0	802-6	0.55	245
	80	17.5	82	6130	2.3	711-4	0.25	225
		17.5	121	6130	1.6	712-4	0.37	225
		17.5	180	6130	1.1	801-4	0.55	245
		11.3	117	7103	1.7	712-6	0.25	225
		11.3	173	7103	1.2	801-6	0.37	245
	100	14	94	6603	1.9	711-4	0.25	225
		14	139	6603	1.3	712-4	0.37	225
		14	206	6603	0.9	801-4	0.55	245
		9	133	7380	1.4	712-6	0.25	225
		9	196	7380	1.0	801-6	0.37	245

SJMRV075







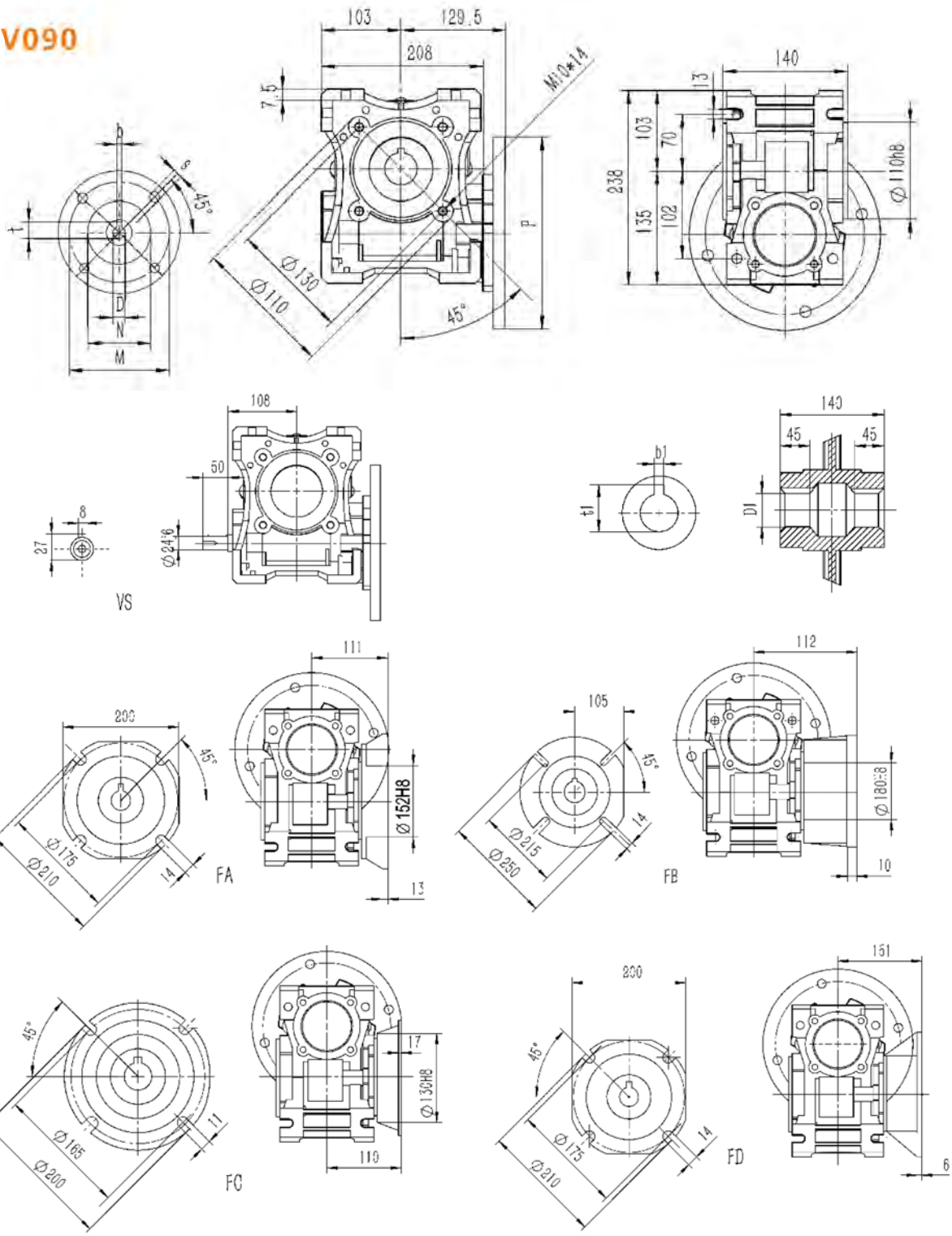
PAM / IEC	DE8	b	t	p	M	N	S
100/112B5	28	8	31.3	250	215	180	13
100/112B14	28	8	31.3	160	130	110	9
90B5	24	8	27.3	200	165	130	11
90B14	24	8	27.3	140	115	95	9
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	6.5
71B5	14	5	16.3	160	130	110	9

输出 output	D1H8	b1	t1
	28	8	31.3
	(35)	(10)	(38.3)
	(...)根据用户要求定制 (...)Only on request		

11.8 SJMRV090选型表/Selction table

减速器型号 Type	减速比 i	输出转速 n2 (min-1)	输出扭矩 Mn2 (Nm)	输出载荷 Fr2 (N)	工作系数 f.s.	电机型号 Motor size	输入功率 P1 (kW)	电机长度 Lenth of Motor (mm)
SJMRV090 	7.5	186.7	101	3081	2.9	100L1-4	2.2	312
		186.7	138	3081	2.1	100L2-4	3	312
		186.7	184	3081	1.6	112M-4	4	334
		120	156	3570	2.2	112M-6	2.2	334
	10	140	134	3391	2.3	100L1-4	2.2	312
		140	182	3391	1.7	100L2-4	3	312
		140	243	3391	1.3	112M-4	4	334
		90	138	3929	2.7	100L-6	1.5	312
		90	203	3929	1.8	112M-6	2.2	334
	15	93.3	194	3882	1.9	100L1-4	2.2	312
		93.3	264	3882	1.4	100L2-4	3	312
		93.3	352	3882	1.0	112M-4	4	334
		60	201	4498	2.1	100L-6	1.5	312
		60	294	4498	1.4	112M-6	2.2	334
	20	70	172	4273	2.1	90L-4	1.5	279
		70	252	4273	1.4	100L1-4	2.2	312
		70	344	4273	1.0	100L2-4	3	312
		70	458	4273	0.8	112M-4	4	334
		45	258	4951	1.5	100L-6	1.5	312
		45	378	4951	1.0	112M-6	2.2	334
	25	56	210	4603	1.6	90L-4	1.5	279
		56	308	4603	1.1	100L1-4	2.2	312
		56	420	4603	0.8	100L2-4	3	312
		36	231	5333	1.6	90L-6	1.1	279
		36	314	5333	1.2	100L-6	1.5	312
	30	46.7	239	4891	1.7	90L-4	1.5	279
		46.7	351	4891	1.2	100L1-4	2.2	312
		46.7	479	4891	0.9	100L2-4	3	312
		30	179	5667	2.6	90S-6	0.75	254
		30	263	5667	1.8	90L-6	1.1	279
		30	358	5667	1.3	100L-6	1.5	312
	40	35	225	5383	1.6	90S-4	1.1	254
		35	307	5383	1.2	90L-4	1.5	279
		22.5	226	6238	1.8	90S-6	0.75	254
		22.5	331	6238	1.2	90L-6	1.1	279
	50	28	184	5799	1.8	802-4	0.75	245
		28	270	5799	1.3	90S-4	1.1	254
		28	368	5799	0.9	90L-4	1.5	279
		18	198	6719	2.0	802-6	0.55	245
		18	271	6719	1.4	90S-6	0.75	254
		18	397	6719	1.0	90L-6	1.1	279
	60	23.3	212	6163	1.5	802-4	0.75	245
		23.3	311	6163	1.0	90S-4	1.1	254
		23.3	424	6163	0.8	90L-4	1.5	279
		15	224	7140	1.6	802-6	0.55	245
		15	306	7140	1.1	90S-6	0.75	254
		15	448	7140	0.8	90L-6	1.1	279
	80	17.5	189	6783	1.5	801-4	0.55	245
		17.5	258	6783	1.1	802-4	0.75	245
		11.3	185	7859	1.7	801-6	0.37	245
		11.3	275	7859	1.1	802-6	0.55	245
	100	14	221	7306	1.2	801-4	0.55	245
		14	302	7306	0.9	802-4	0.75	245
		9	212	8180	1.3	801-6	0.37	245
		9	315	8180	0.9	802-6	0.55	245

SJMRV090



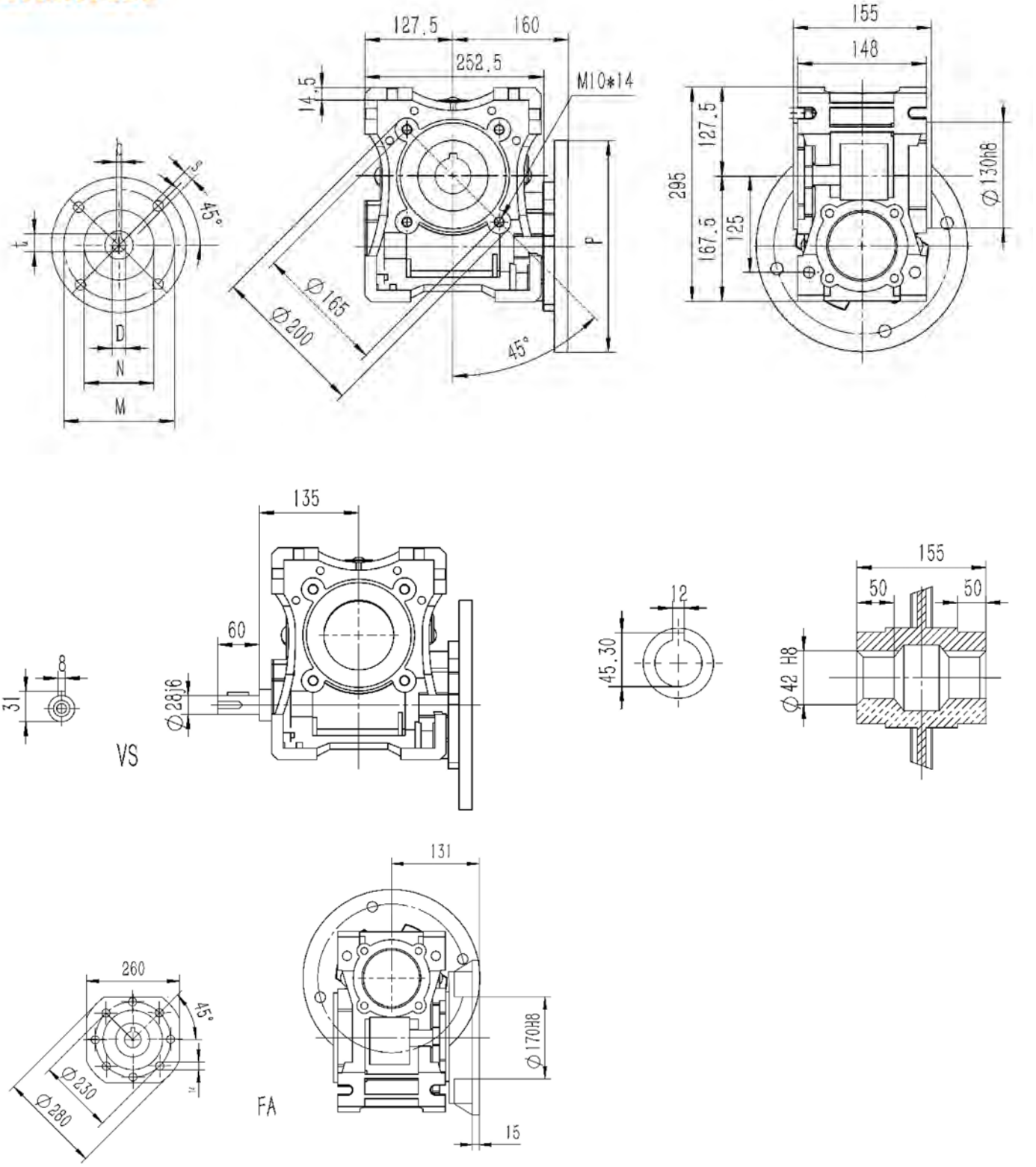
PAM / IEC	DE8	b	t	p	M	N	S
100/112B5	28	8	31.3	250	215	180	13
100/112B14	28	8	31.3	160	130	110	9
90B5	24	8	27.3	200	165	130	11
90B14	24	8	27.3	140	115	95	9
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	6.5

输出 output	D1H8	b1	t1
	35	10	38.3
	(38)	(10)	(41.3)
	(...)根据用户要求定制 (...)Only on request		

11.9 SJMRV110选型表/Selction table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth fo oMtor (mm)
SJMRV110 	7.5	186.7	253	3893	1.9	132S-4	5.5	382
		186.7	345	3893	1.4	132M-4	7.5	420
		120	212	4511	2.7	132S-6	3	382
		120	283	4511	2	132M1-6	4	420
	10	140	243	4285	2.1	112M-4	4	334
		140	334	4285	1.6	132S-4	5.5	382
		140	455	4285	1.1	132M-4	7.5	420
		90	205	4965	3	112M-6	2.2	334
		90	280	4965	2.2	132S-6	3	382
		90	374	4965	1.7	132M1-6	4	420
	15	93.3	264	4905	2.2	100L2-4	3	311
		93.3	352	4905	1.6	112M-4	4	334
		93.3	484	4905	1.2	132S-4	5.5	382
		93.3	660	4905	0.9	132M-4	7.5	420
		60	298	5684	2.2	112M-6	2.2	334
		60	406	5684	1.6	132S-6	3	382
		60	541	5684	1.2	132M1-6	4	420
	20	70	255	5399	2.2	100L1-4	2.2	312
		70	348	5399	1.6	100L2-4	3	312
		70	464	5399	1.2	112M-4	4	334
		70	638	5399	0.9	132S-4	5.5	382
		45	264	6256	2.4	100L-6	1.5	312
		45	388	6256	1.6	112M-6	2.2	334
		45	528	6256	1.2	132S-6	3	382
	25	56	315	5816	1.9	100L1-4	2.2	312
		56	430	5816	1.4	100L2-4	3	312
		56	573	5816	1	112M-4	4	334
		36	322	6739	2	100L-6	1.5	312
		36	473	6739	1.4	112M-6	2.2	334
	30	46.7	356	6181	1.8	100L1-4	2.2	312
		46.7	485	6181	1.3	100L2-4	3	312
		46.7	647	6181	1	112M-4	4	334
		30	363	7161	2	100L-6	1.5	312
		30	532	7161	1.4	112M-6	2.2	334
	40	35	319	6803	1.9	90L-4	1.5	279
		35	468	6803	1.3	100L1-4	2.2	312
		35	638	6803	1	100L2-4	3	312
		22.5	345	7882	2	90L-6	1.1	279
		22.5	471	7882	1.5	100L-6	1.5	312
	50	28	281	7328	2.1	90S-4	1.1	254
		28	384	7328	1.6	90L-4	1.5	279
		28	563	7328	1.1	100L1-4	2.2	312
		28	767	7328	0.8	100L2-4	3	312
		18	414	8491	1.6	90L-6	1.1	279
		18	565	8491	1.2	100L-6	1.5	312
	60	23.3	324	7787	1.7	90S-4	1.1	254
		23.3	442	7787	1.3	90L-4	1.5	279
		23.3	648	7787	0.9	100L1-4	2.2	312
		15	325	9023	1.9	90S-6	0.75	254
		15	476	9023	1.3	90L-6	1.1	279
		15	649	9023	1	100L-6	1.5	312
	80	17.5	201	8571	2.4	801-4	0.55	245
		17.5	274	8571	1.8	802-4	0.75	245
		17.5	402	8571	1.2	90S-4	1.1	254
		17.5	548	8571	0.9	90L-4	1.5	279
		11.3	294	9931	1.8	802-6	0.55	245
		11.3	401	9931	1.3	90S-6	0.75	254
		11.3	588	9931	0.9	90L-6	1.1	279
	100	14	236	9232	1.9	801-4	0.55	245
		14	322	9232	1.4	802-4	0.75	245
		14	473	9232	1	90S-4	1.1	254
		9	338	10320	1.4	802-6	0.55	245
		9	462	10320	1.1	90S-6	0.75	254

SJMRV110

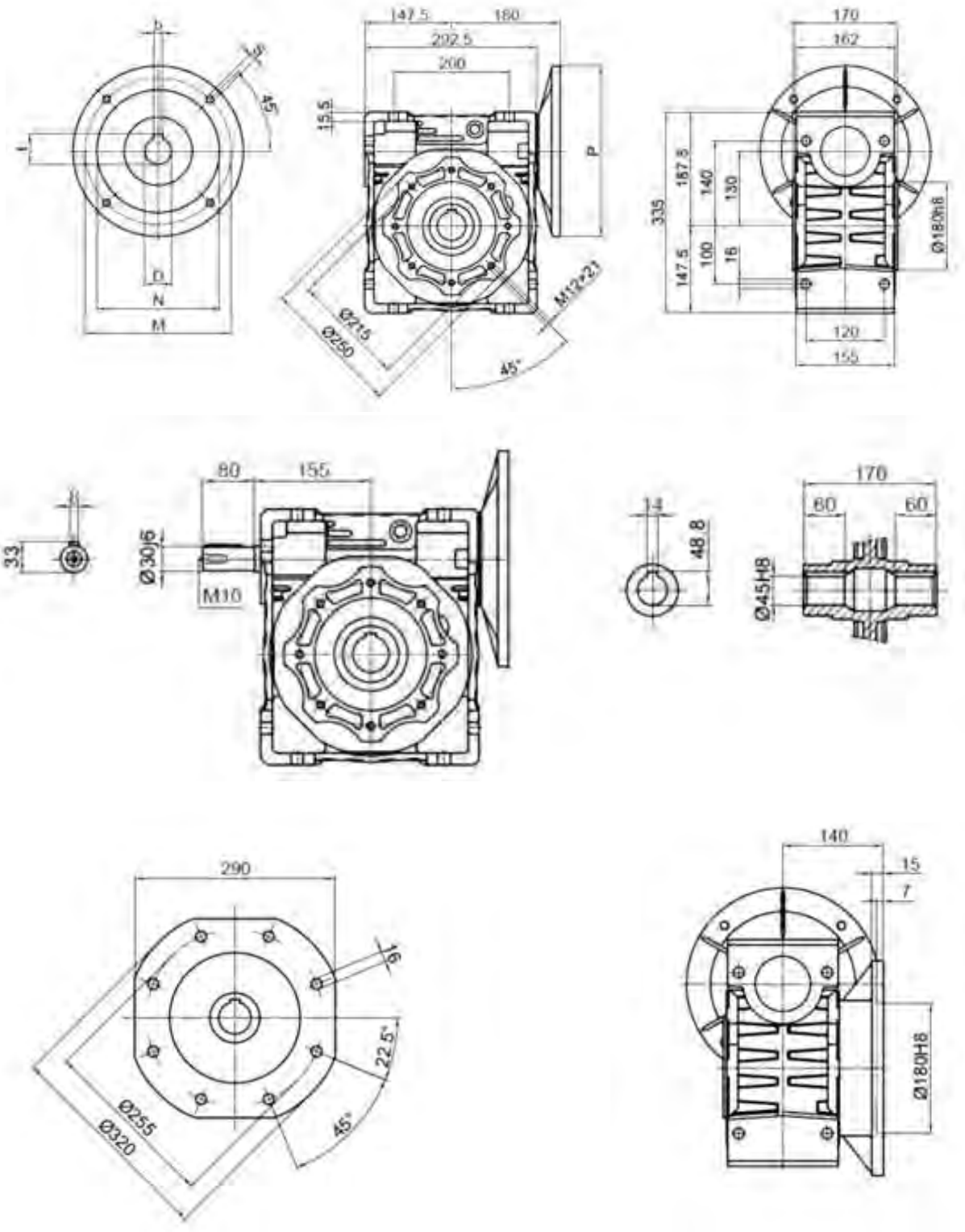


PAM / IEC	DE8	b	t	P	M	N	S
132B5	38	10	41.3	300	265	230	M12
100/112B5	28	8	31.3	250	215	180	13
90B5	24	8	27.3	200	165	130	11
80B5	19	6	21.8	200	165	130	11

11.10 SJMRV130选型表/Selction table

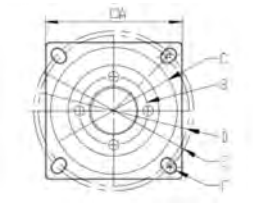
减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth fo oMor (mm)
SJMRV130 	7.5	186.7	349	5090	2.1	132M-4	7.5	420
	10	140	333	5600	2.5	112M2-4	5.5	334
		140	455	5600	1.8	132M-4	7.5	420
	15	93.3	490	6410	1.9	112M2-4	5.5	334
		93.3	668	6410	1.4	132M-4	7.5	420
	20	70	645	7060	1.4	112M2-4	5.5	334
		70	880	7060	1.0	132M-4	7.5	420
	25	56	429	7600	2.2	100L2-4	3.0	312
		56	573	7600	1.6	100L3-4	4.0	312
		56	788	7600	1.2	112M2-4	5.5	334
		56	1074	7600	0.9	132M-4	7.5	420
	30	46.7	491	8080	2.1	100L2-4	3.0	312
		46.7	655	8080	1.6	100L3-4	4.0	312
		46.7	900	8080	1.2	112M-4	5.5	334
		46.7	1228	8080	0.8	132M-4	7.5	420
	40	35	468	8890	2.2	100L1-4	2.2	312
		35	638	8890	1.6	100L2-4	3.0	312
		35	851	8890	1.2	100L3-4	4.0	312
		35	1171	8890	0.9	112M2-4	5.5	334
		35	1596	8890	0.7	132M-4	7.5	420
	50	28	563	9580	1.7	100L1-4	2.2	312
		28	767	9580	1.3	100L2-4	3.0	312
		28	1023	9580	1.0	100L3-4	4.0	312
		28	1103	8510	0.8	112M2-4	5.5	334
	60	23.3	64.8	10180	1.4	100L1-4	2.2	312
		23.3	884	10180	1.0	100L2-4	3.0	312
		23.3	1179	10180	0.8	100L3-4	4.0	312
	80	17.5	816	11210	1.0	100L1-4	2.2	312
		17.5	1113	11210	0.8	100L2-4	3.0	312
	100	14	869	10620	0.8	100L1-4	2.2	312

SJMRV130



PAM / IEC	DE8	b	t	P	M	N	S
132B5	38	10	41.3	300	265	230	M12
100/112B5	28	8	31.3	250	215	180	13
90B5	24	8	27.3	200	165	130	11
80B5	19	6	21.8	200	165	130	11

11.11 SJMRV030-090输入方法兰尺寸表/Size of Input Square Flange in 030-090



减速机型号 Gearbox Size	法兰规格 Flange size	A	B	C	D	E	F
SJMRV030	60*60	60	45	50	70	/	M5
	80*80	80	45	60	90	94	6.6
	80*80	80	45	70	90	94	6.6
	85*85	85	45	60	90	98	6.6
	85*85	85	45	70	90	98	6.6
	90*90	90	45	83	102	106	6.6
	104*104	104	45	94	115	120	8.8
	104*104	104	45	98	115	120	8.8
SJMRV040	60*60	60	57	50	70	/	M5
	80*80	80	57	60	90	94	6.6
	80*80	80	57	70	90	94	6.6
	85*85	85	57	60	90	98	6.6
	85*85	85	57	70	90	98	6.6
	90*90	90	57	83	102	106	6.6
	104*104	104	57	94	115	120	8.8
	104*104	104	57	95	115	120	8.8
	112*112	112	57	85	125	131	8.8
	112*112	112	57	95	125	131	8.8
SJMRV050	80*80	80	65	60	90	94	6.6
	80*80	80	65	70	90	94	6.6
	85*85	85	65	60	90	98	6.6
	85*85	85	65	70	90	98	6.6
	90*90	90	65	83	102	106	6.6
	104*104	104	65	94	115	120	8.8
	104*104	104	65	95	115	120	8.8
	110*110	110	65	85	125	131	8.8
	112*112	112	65	85	125	131	8.8
	112*112	112	65	95	125	131	8.8
	130*130	130	65	100	125	140	8.8
	130*130	130	65	110	125	140	8.8
SJMRV063	85*85	85	75	73	90	98	6.6
	85*85	85	75	80	90	98	6.6
	110*110	110	75	85	125	131	8.8
	112*112	112	75	85	125	131	8.8
	112*112	112	75	95	125	131	8.8
	130*130	130	75	100	125	140	8.8
	130*130	130	75	110	125	140	8.8
SJMRV075 SJMRV090	85*85	85	82	73	90	98	6.6
	85*85	85	82	80	90	98	6.6
	110*110	110	82	85	125	131	8.8
	110*110	110	82	92	125	131	8.8
	130*130	130	82	100	125	140	8.8
	130*130	130	82	110	125	140	8.8

SJMRV-RV选型表/SELECTION TABLE

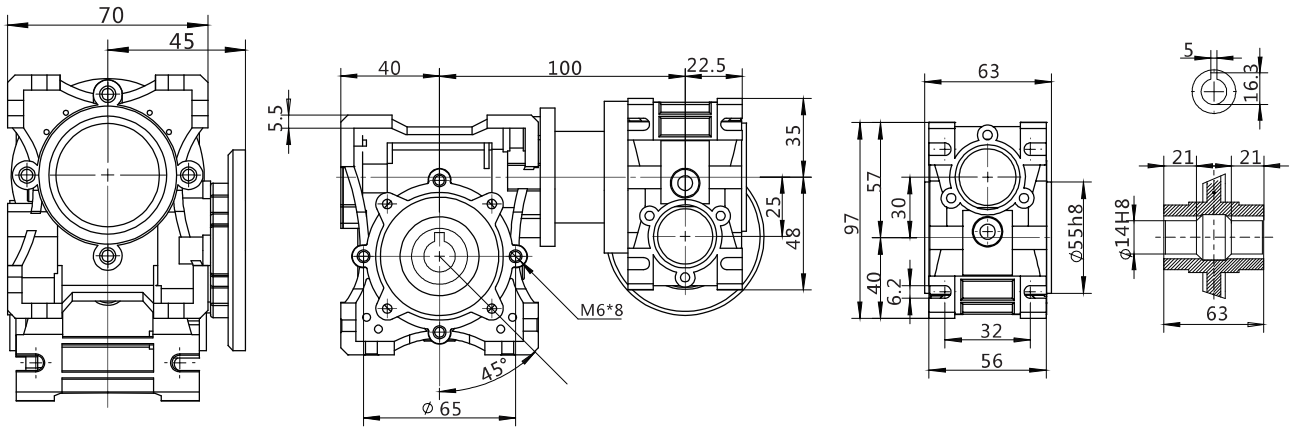
12.1 SJMRV-RV组合表/Combination Table

SJMRV+SJMRV	i=i1*i2	100	150	200	250	300	400	500	600	750	900	1200	1500	1800	2400	3000	4000	4800	5000
	n2	14	9.3	7	5.6	4.7	3.5	2.8	2.3	1.9	1.6	1.2	0.93	0.78	0.58	0.47	0.35	0.29	0.28
SJMRV-RV025/030	0.06kW	10*10	10*15	10*20	10*25	10*30	20*20	20*25	20*30	30*25	30*30	40*30	50*30	60*30	60*40	60*50			
	0.09kW	10*10	10*15	10*20	10*25														
SJMRV-RV025/040	0.06kW					10*30	10*40	20*25	20*30	30*25	30*30	40*30	50*30	60*30	60*40	60*50	50*80		50*100
SJMRV-RV030/040	0.06kW					10*30	10*40	20*25	20*30	25*30	30*30	30*40	50*30	60*30	60*40	60*50	80*50		50*100
	0.09kW					10*30													
SJMRV-RV030/050	0.06kW										30*30	30*40	50*30	60*30	60*40	60*50	80*50	80*60	
	0.09kW						10*40	10*50	20*30	25*30	30*30								
	0.12kW					10*30	10*40	10*50											
	0.18kW					10*30													
SJMRV-RV030/063	0.06kW												30*50	30*60	60*40	60*50	80*50	80*60	
	0.09kW										15*60	30*40	30*50						
	0.12kW							10*50	15*40	15*50									
	0.18kW					7.5*40	10*40	10*50											
SJMRV-RV040/075	0.06kW														60*40	60*50	80*50	80*60	
	0.09kW												50*30	60*30	60*40				
	0.12kW										30*30	30*40							
	0.18kW								20*30	25*30	30*30								
	0.25kW					10*30	10*40	10*50											
	0.37kW					10*30	10*40												
SJMRV-RV040/090	0.06kW															60*50	80*50		100*50
	0.09kW														60*40	60*50	80*50		
	0.12kW												30*50	30*60	60*40				
	0.18kW										15*60	30*40	30*50						
	0.25kW								15*40	15*50	15*60								
	0.37kW					7.5*40	10*40	10*50	15M0										
SJMRV-RV050/105	0.12kW															60*50	80*50		100*50
	0.18kW													60*30	60*40				
	0.25kW											30*40	50*30	60*30					
	0.37kW									25*30	30*30	30*40							
	0.55kW					10*30	10*40	10*50	15*40	25*30									
	0.75kW					10*30	10*40												
SJMRV-RV050/110	0.12kW															60*50	80*50		100*50
	0.18kW													60*30	60*40				
	0.25kW											30*40	50*30	60*30					
	0.37kW									25*30	30*30	30*40							
	0.55kW					10*30	10*40	10*50	15*40	25*30									
	0.75kW					10*30	10*40												

12.2 SJMRV-RV025/030选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV-RV025/030 	100	14	25	1620	1.3	561-4	0.06	175
		14	38	1620	0.8	562-4	0.09	175
	150	9.3	32	1830	0.9	561-4	0.06	175
		9.3	49	1830	0.6	562-4	0.09	175
	200	7	41	1830	0.7	561-4	0.06	175
		7	62	1830	0.5	562-4	0.09	175
	250	5.6	44	1830	0.8	561-4	0.06	175
		5.6	66	1830	0.5	562-4	0.09	175
	300	4.7	75	1830	0.4	562-4	0.09	175
	400	3.5	107	1830	0.3	562-4	0.09	175
	500	2.8	115	1830	0.3	562-4	0.09	175
	600	2.3	135	1830	0.2	562-4	0.09	175
	750	1.9	151	1830	0.2	562-4	0.09	175
	900	1.6	178	1830	0.2	562-4	0.09	175
	1200	1.2	212	1830	0.1	562-4	0.09	175
	1500	0.9	247	1830	0.1	562-4	0.09	175
	1800	0.78	304	1830	0.1	562-4	0.09	175
	2400	0.58	340	1830	0.1	562-4	0.09	175
	3000	0.47	405	1830	0.1	562-4	0.09	175

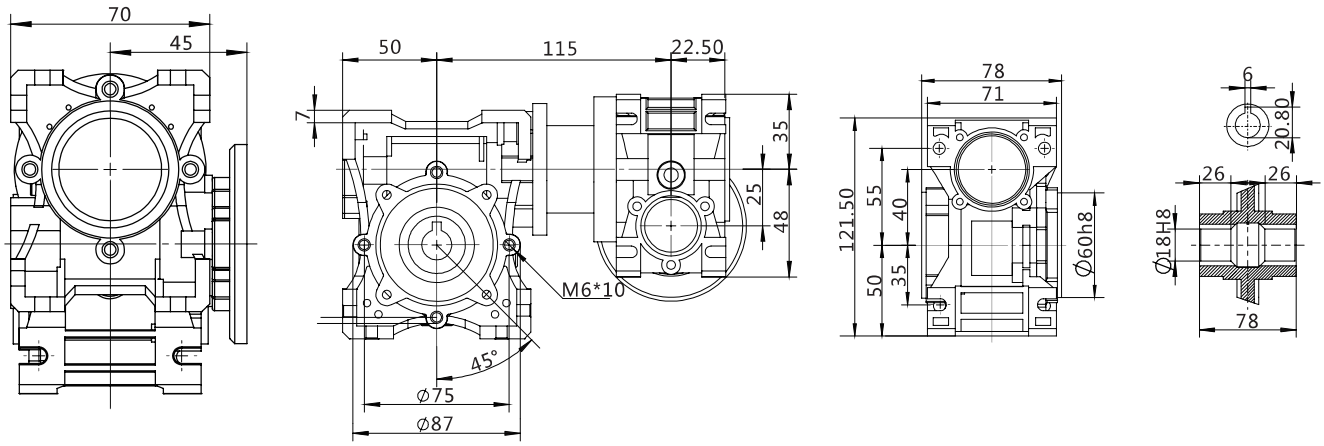
SJMRV-RV025/030



12.3 SJMRV-RV025/040选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV-RV030/040 	300	4.7	59	3490	1.2	561-4	0.06	175
	400	3.5	71	3490	0.9	561-4	0.06	175
	500	2.8	82	3490	0.7	561-4	0.06	175
	600	2.3	101	3490	0.6	561-4	0.06	175
	750	1.9	116	3490	0.5	561-4	0.06	175
	900	1.6	143	3490	0.5	561-4	0.06	175
	1200	1.2	171	3490	0.4	561-4	0.06	175
	1500	0.9	197	3490	0.3	561-4	0.06	175
	1800	0.8	217	3490	0.3	561-4	0.06	175
	2400	0.6	268	3490	0.2	561-4	0.06	175
	3000	0.5	324	3490	0.2	561-4	0.06	175
	4000	0.4	294	3490	0.1	561-4	0.06	175
	5000	0.3	356	3490	0.1	561-4	0.06	175

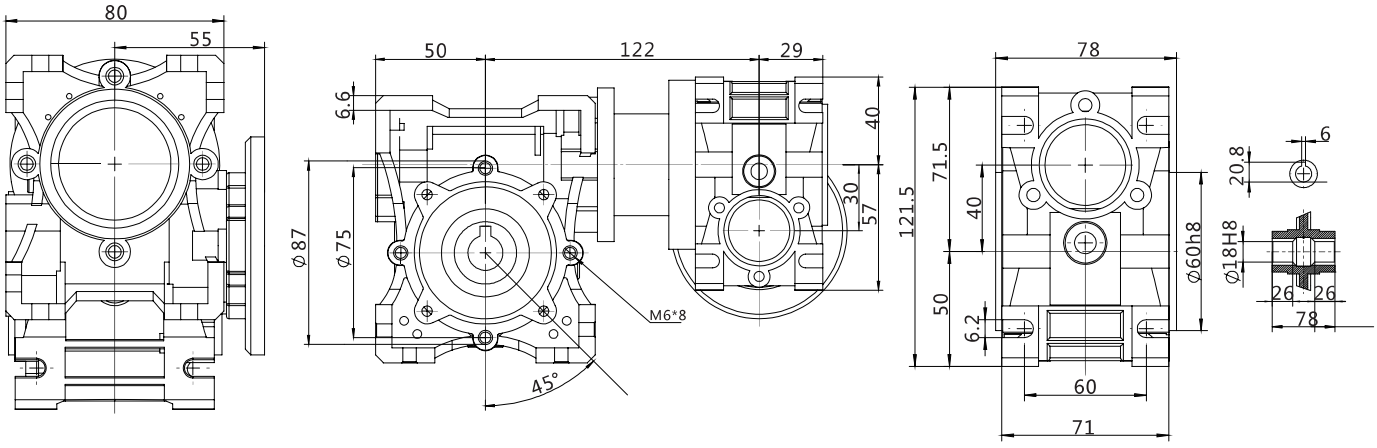
SJMRV-RV025/040



12.4 SJMRV-RV030/040选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV-RV030/040 	300	4.7	57	3490	1.3	561-4	0.06	175
		4.7	88	3490	0.8	562-4	0.09	175
	400	3.5	70	3490	0.9	561-4	0.06	175
	500	2.8	96	3490	0.6	561-4	0.06	175
	600	2.3	104	3490	0.7	561-4	0.06	175
	750	1.9	121	3490	0.6	561-4	0.06	175
	900	1.6	139	3490	0.5	561-4	0.06	175
	1200	1.2	166	3490	0.4	561-4	0.06	175
	1500	0.9	196	3490	0.4	561-4	0.06	175
	1800	0.8	218	3490	0.3	561-4	0.06	175
	2400	0.58	261	3490	0.2	561-4	0.06	175
	3000	0.47	350	3490	0.2	561-4	0.06	175
	4000	0.4	279	3490	0.1	561-4	0.06	175
	5000	0.28	338	3490	0.1	561-4	0.06	175

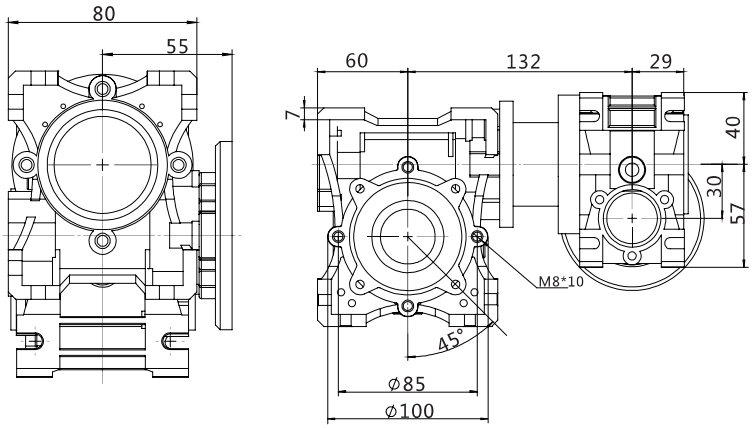
SJMRV-RV030/040



12.5 SJMRV-RV030/050选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV-RV030/050 	300	4.7	119	4840	1.2	631-4	0.12	190
		4.7	155	4840	0.8	631-4	0.18	190
	400	3.5	107	4840	1.2	562-4	0.09	175
		3.5	142	4840	0.9	631-4	0.12	190
	500	2.8	123	4840	1	562-4	0.09	175
		2.8	164	4840	0.7	631-4	0.12	190
	600	2.3	159	4840	0.9	562-4	0.09	175
	750	1.9	185	4840	0.8	562-4	0.09	175
	900	1.6	141	4840	1	561-4	0.06	175
		1.6	212	4840	0.7	562-4	0.09	175
	1200	1.2	169	4840	0.7	561-4	0.06	175
	1500	0.93	199	4840	0.7	561-4	0.06	175
	1800	0.78	222	4840	0.7	561-4	0.06	175
	2400	0.6	266	4840	0.5	561-4	0.06	175
	3000	0.5	307	4840	0.4	561-4	0.06	175
	4000	0.35	288	4840	0.3	561-4	0.06	175
	4800	0.29	311	4840	0.3	561-4	0.06	175

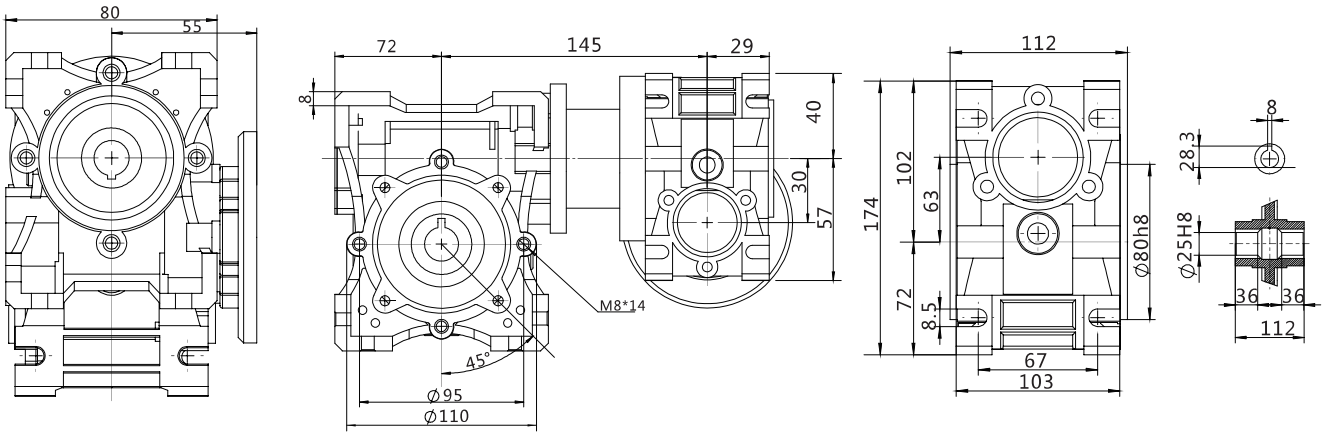
SJMRV-RV030/050



12.6 SJMRV-RV030/063选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV-RV030/063 	300	4.7	157	6270	1.2	632-4	0.18	190
	400	3.5	222	6270	1	632-4	0.18	190
	500	2.8	171	6270	1.3	631-4	0.12	190
		2.8	257	6270	0.8	632-4	0.18	190
	600	2.3	208	6270	1.1	631-4	0.12	190
	750	1.9	241	6270	0.9	631-4	0.12	190
	900	1.6	200	6270	1	562-4	0.09	175
	1200	1.2	263	6270	0.9	562-4	0.09	175
	1500	0.9	204	6270	1.1	561-4	0.06	175
		0.93	305	6270	0.7	562-4	0.09	175
	1800	0.78	225	6270	0.9	561-4	0.06	175
	2400	0.58	276	6270	0.8	561-4	0.06	175
	3000	0.47	319	6270	0.7	561-4	0.06	175
	4000	0.35	306	6270	0.6	561-4	0.06	175
	4800	0.29	348	6270	0.4	561-4	0.06	175

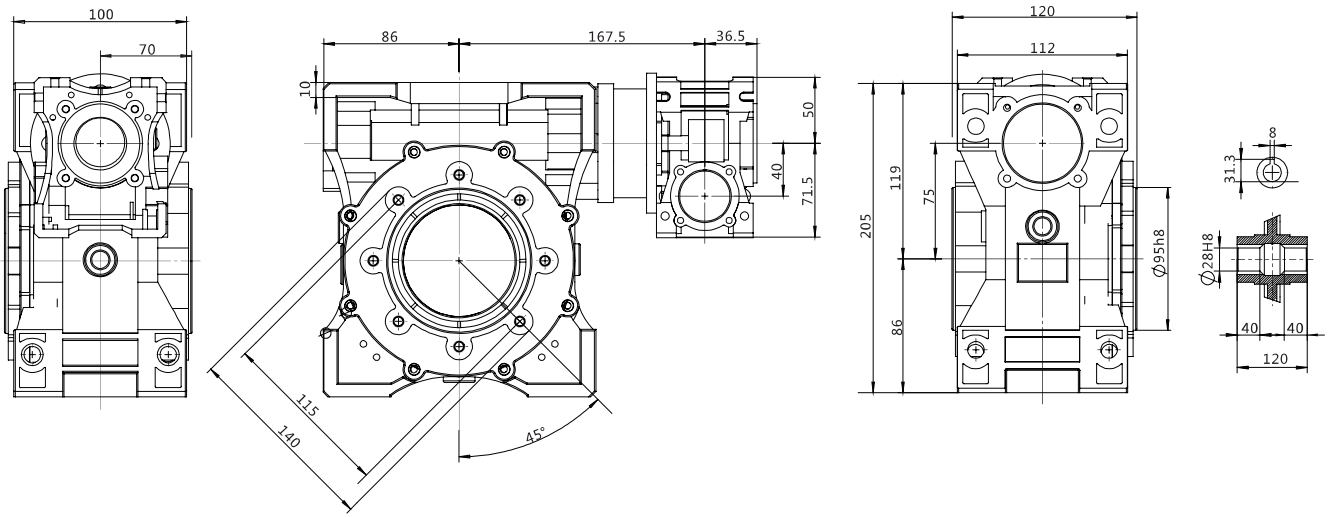
SJMRV-RV030/063



12.7 SJMRV-RV040/075选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV-RV040/075 	300	4.7	245	7380	1.4	711-4	0.25	225
		4.7	405	7380	1	712-4	0.37	225
	400	3.5	336	7380	1.1	711-4	0.25	225
		3.5	498	7380	0.7	712-4	0.37	225
	500	2.8	384	7380	0.8	711-4	0.25	225
		2.3	362	7380	1.1	632-4	0.18	190
	600	1.9	435	7380	0.9	632-4	0.18	190
	750	1.6	325	7380	1.2	631-4	0.12	190
	900	1.6	487	7380	0.8	632-4	0.18	190
		1.2	399	7380	0.9	631-4	0.12	190
	1200	0.9	360	7380	1.1	562-4	0.09	175
	1500	0.78	404	7380	1	562-4	0.09	175
	1800	0.6	330	7380	1.1	561-4	0.06	175
	2400	0.58	496	7380	0.7	562-4	0.09	175
	3000	0.47	377	7380	0.8	561-4	0.06	175
	4000	0.35	355	7380	0.7	561-4	0.06	175
	4800	0.29	399	7380	0.5	561-4	0.06	175

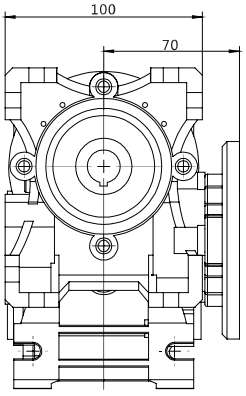
SJMRV-RV040/075

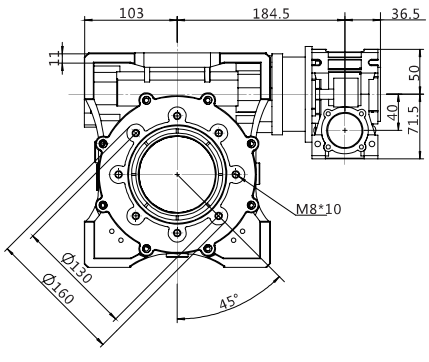


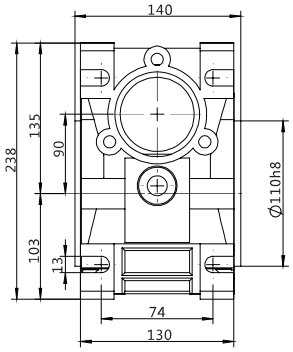
12.8 SJMRV-RV040/090选型表/SelectionTable

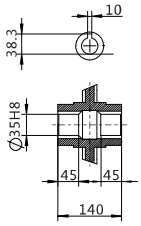
减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV-RV040/090 	300	4.7	402	8180	1.5	712-4	0.37	225
	400	3.5	523	8180	1.2	712-4	0.37	225
	500	2.8	611	8180	0.9	712-4	0.37	225
	600	2.3	512	8180	1.2	711-4	0.25	225
		2.3	757	8180	0.8	712-4	0.37	225
	750	1.9	598	8180	0.9	711-4	0.25	225
	900	1.6	450	8180	1.2	632-4	0.18	190
		1.6	667	8180	0.8	711-4	0.25	225
	1200	1.2	629	8180	1	632-4	0.18	190
	1500	0.93	495	8180	1.2	631-4	0.12	190
		0.93	735	8180	0.8	632-4	0.18	190
	1800	0.8	547	8180	0.9	631-4	0.12	190
	2400	0.58	469	8180	1.4	562-4	0.09	175
		0.58	695	8180	0.9	631-4	0.12	190
	3000	0.5	406	8180	1.4	561-4	0.06	175
		0.5	609	8180	0.9	562-4	0.09	175
	4000	0.35	365	8180	1.3	561-4	0.06	175
		0.35	548	8180	0.8	562-4	0.09	175
	5000	0.28	431	8180	1	561-4	0.06	175

SJMRV-RV040/090





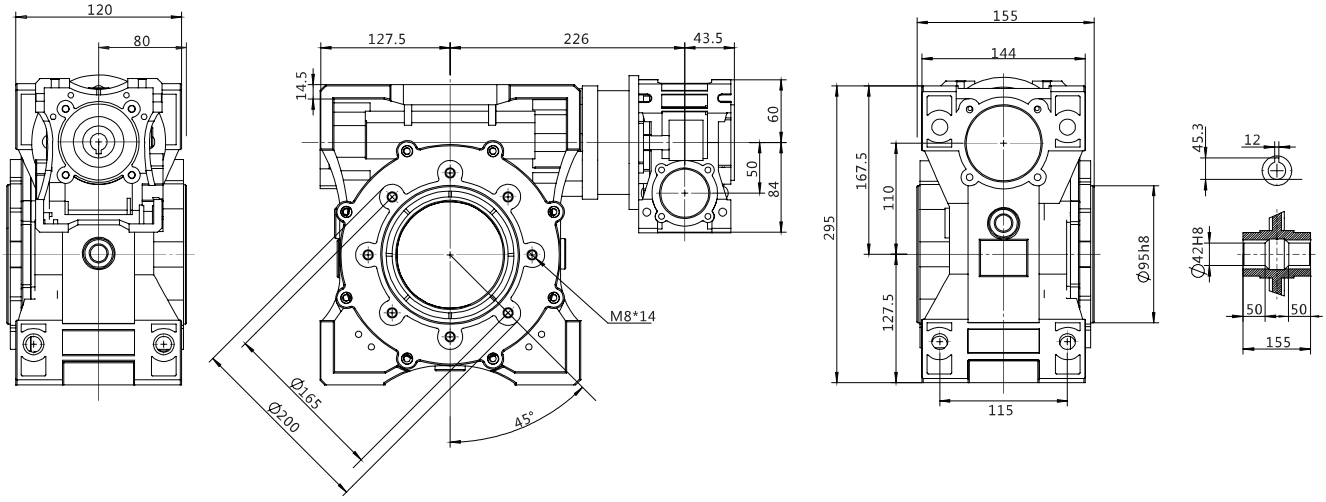




12.9 SJMRV-RV050(110)选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV-RV050/105 SJMRV-RV050/110 	300	4.7	617	9987	1.7	801-4	0.55	245
		4.7	841	9987	1.3	802-4	0.75	245
	400	3.5	797	9987	1.2	801-4	0.55	245
		3.5	1087	9987	0.9	802-4	0.75	245
	500	2.8	950	9987	1	801-4	0.55	245
	600	2.3	1140	9987	0.9	801-4	0.55	245
	750	1.9	915	9987	1.2	712-4	0.37	225
		1.9	1361	9987	0.8	801-4	0.55	245
	900	1.6	1041	9987	1	712-4	0.37	225
	1200	1.2	910	9987	1.1	711-4	0.25	225
		1.2	1347	9987	0.7	712-4	0.37	225
	1500	0.93	1026	9987	1	711-4	0.25	225
	1800	0.8	831	9987	1.3	632-4	0.18	190
		0.78	1153	9987	0.9	711-4	0.25	225
	2400	0.58	1074	9987	0.9	632-4	0.18	190
	3000	0.5	853	9987	1.1	631-4	0.12	190
	4000	0.35	756	9987	1	631-4	0.12	190
	5000	0.28	895	9987	0.76	631-4	0.12	190

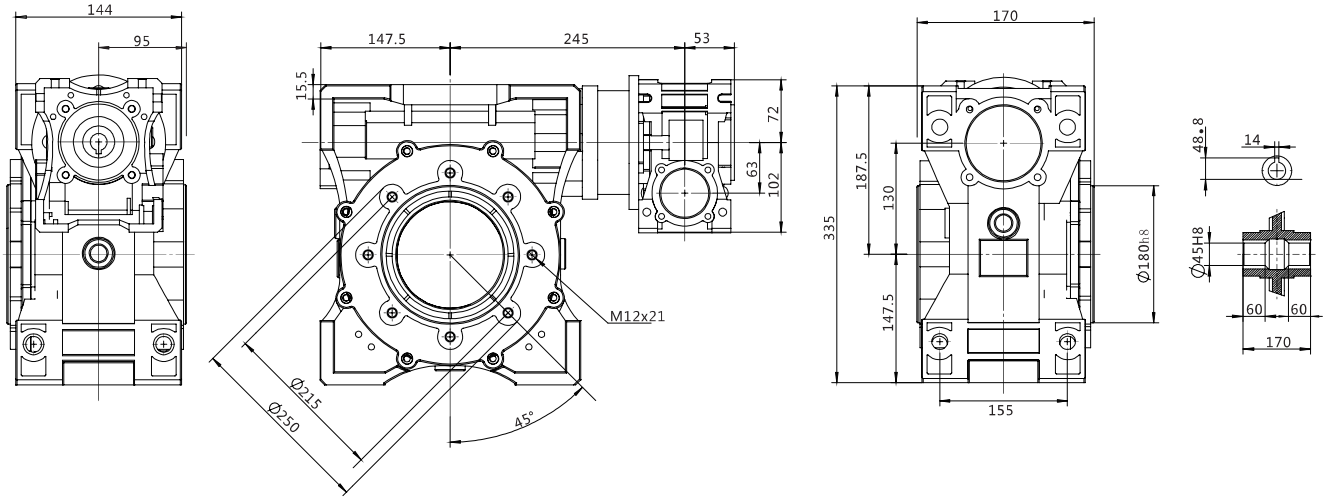
SJMRV-RV050 050/110



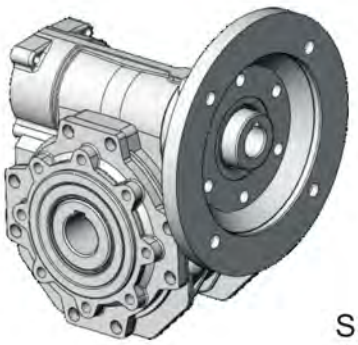
13.0 SJMRV-RV063(130)选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV-RV063/130 	300	4.7	1312	13.5	1.3	90S-4	1.1	254
		4.7	1789	13.5	1.0	90L-4	1.5	279
	400	3.5	1671	13.5	1.0	90S-7	1.1	254
		3.5	2279	13.5	0.7	90L-4	15	279
	500	2.8	995	13.5	1.6	801-4	0.55	245
		2.8	1357	13.5	1.1	802-4	0.75	245
		2.8	1991	13.5	0.8	90S-4	1.1	254
	600	2.3	1631	13.5	1.0	802-4	0.75	245
	750	1.9	1471	13.5	1.2	801-4	0.55	245
		1.9	2005	13.5	0.9	802-4	0.75	245
	900	1.6	2283	13.5	0.8	802-4	0.75	245
	1200	1.2	2132	13.5	0.8	801-4	0.55	245
	1500	0.93	1674	13.5	1.1	712-4	0.37	225
	1800	0.8	1887	13.5	0.9	712-4	0.37	225
	2400	0.58	1624	13.5	1.0	711-4	0.25	225
	3000	0.5	1935	13.5	0.8	711-4	0.25	225
	4000	0.35	2046	13.5	0.6	711-4	0.25	225
	5000	0.28	2430	13.5	0.5	711-4	0.25	225

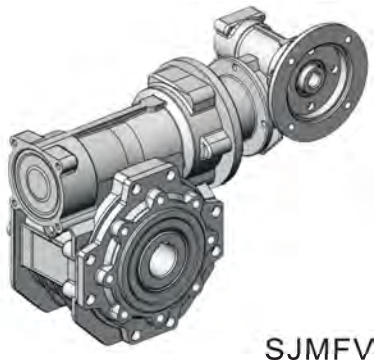
SJMRV-RV063 130



产品展示/PRODUCT DOSIPAY



SJMFV
025-110



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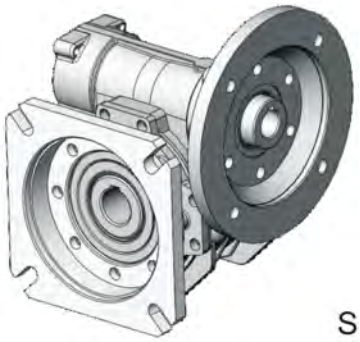
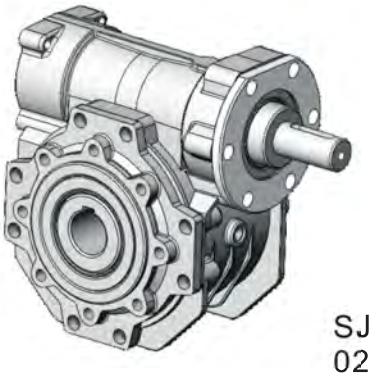
025/030-050/110



SJMFV
025-110

SJMFV
025/030-050/110



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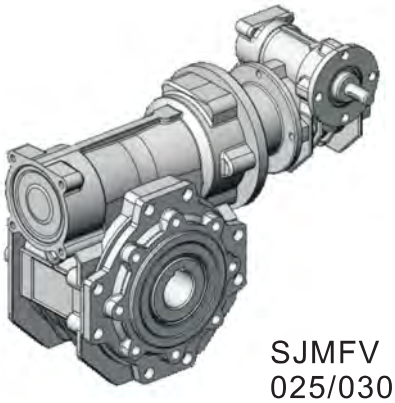

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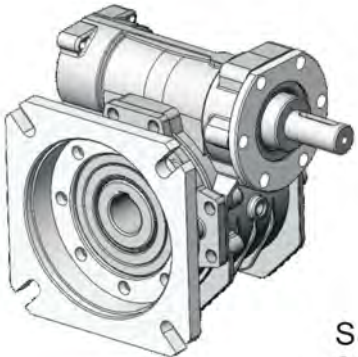
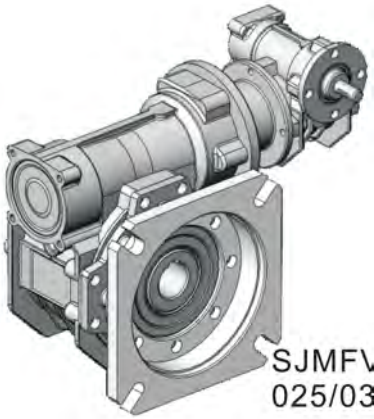
025/030-050/110

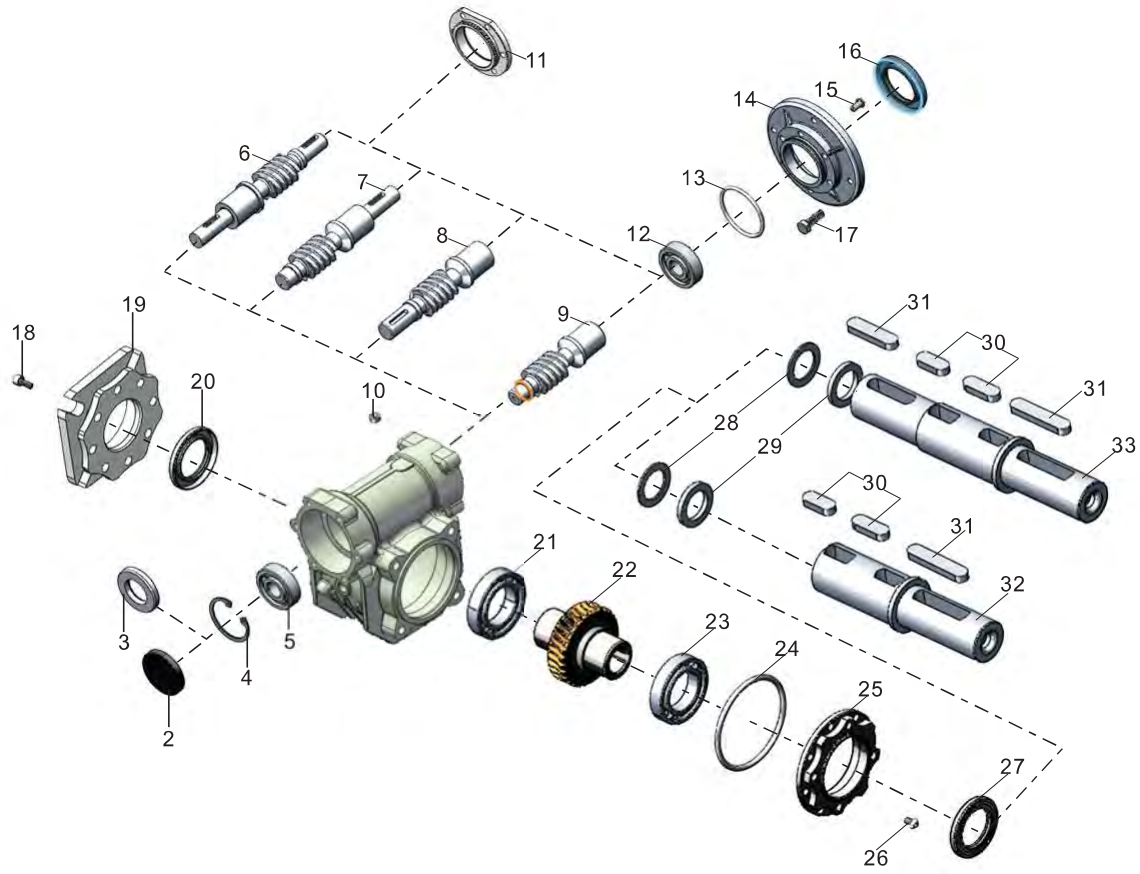


SJMFV
025-110



SJMFV
025/030-050/110

结构分解图/STRUCTURE DIAGRAM

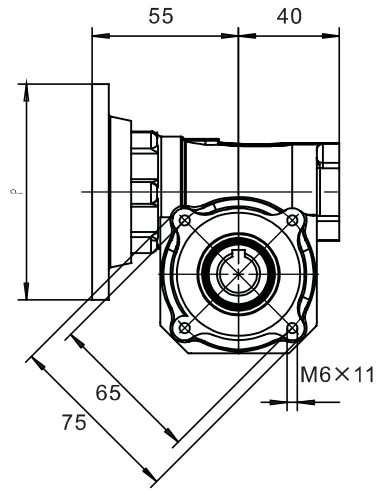


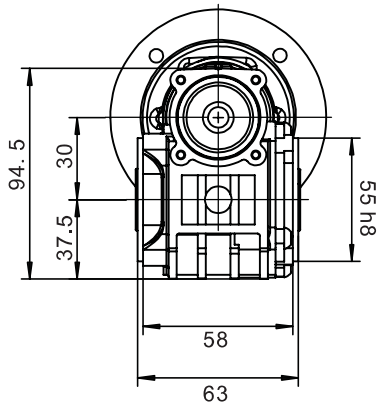
1	壳体/Case	18	内六角螺钉/Iner hex screw
2	油封盖/Closing cap	19	输出法兰/Output flange
3	骨架油封/Oil seal	20	油封/Oil seal
4	孔用挡圈/Hole-circlip	21	轴承/Bearing
5	轴承/Bearing	22	蜗轮/Wheel
6	双头轴输入蜗杆/Double input shaft worm	23	轴承/Bearing
7	轴输入蜗杆/Input shaft worm	24	O型圈/O-ring
8	孔、轴输入蜗杆/Input shaft and hole worm	25	端盖/Cover
9	孔输入蜗杆/Input hole worm	26	内六角螺钉/Inner hex screw
10	油塞/Oil plug	27	油封/Oil seal
11	油封座/Oilseal	28	轴用挡圈/Shaft-circlip
12	轴承/Bearing	29	垫圈/Washer
13	O型圈/O-ring	30	键/Key
14	输入法兰/Intput flange	31	键/Key
15	内六角螺钉/Inner hex screw	32	单向输出轴/Single output shaft
16	油封/Oil seal	33	双向输出轴/Double output shaft
17	外六角螺栓/Six hexagon bolt		

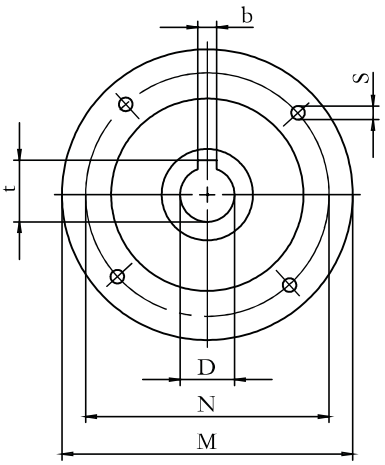
13.2 SJMFV030选型表/Selection Table

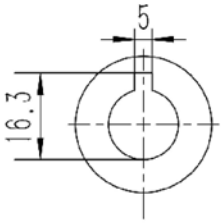
减速器型号 Type	减速比 i	输出转速 n2 (min-1)	输出扭矩 Mn2 (Nm)	输出载荷 Fr2 (N)	工作系数 f.s.	电机型号 Motor size	输入功率 P1 (kW)	电机长度 Lenth of Motor (mm)
SJMFV030 	5	280	1.8	597	8.1	561-4	0.06	175
		280	2.7	597	6.7	562-4	0.09	175
		280	3.6	597	5.1	631-4	0.12	190
		280	5.3	597	3.4	632-4	0.18	190
		180	4.1	692	4.9	631-6	0.09	190
		180	5.4	692	3.7	632-6	0.12	190
	7.5	186.7	2.6	683	6.9	561-4	0.06	175
		186.7	3.9	683	4.6	562-4	0.09	175
		186.7	5.2	683	3.4	631-4	0.12	190
		186.7	7.8	683	2.3	632-4	0.18	190
		120	5.9	792	3.4	631-6	0.09	190
		120	7.9	792	2.5	632-6	0.12	190
	10	140	3.4	752	5.4	561-4	0.06	175
		140	5	752	3.6	562-4	0.09	175
		140	6.7	752	2.7	631-4	0.12	190
		140	10	752	1.8	632-4	0.18	190
		90	7.6	871	2.6	631-6	0.09	190
		90	10	871	2.0	632-6	0.12	190
	15	93.3	4.7	861	3.8	561-4	0.06	175
		93.3	7.1	861	2.5	562-4	0.09	175
		93.3	9.5	861	1.9	631-4	0.12	190
		93.3	14	861	1.3	632-4	0.18	190
		60	11	997	1.9	631-6	0.09	190
		60	14	997	1.4	632-6	0.12	190
	20	70	6	948	3.0	561-4	0.06	175
		70	9	948	2.0	562-4	0.09	175
		70	12	948	1.5	631-4	0.12	190
		70	18	948	1.0	632-4	0.18	190
		45	13	1098	1.5	631-6	0.09	190
		45	18	1098	1.1	632-6	0.12	190
	25	56	7	1021	3.0	561-4	0.06	175
		56	10	1021	2.0	562-4	0.09	175
		56	14	1021	1.5	631-4	0.12	190
		56	21	1021	1.0	632-4	0.18	190
		36	15	1183	1.5	631-6	0.09	190
		36	20	1183	1.1	632-6	0.12	190
	30	46.7	8	1085	2.5	561-4	0.06	175
		46.7	12	1085	1.7	562-4	0.09	175
		46.7	16	1085	1.3	631-4	0.12	190
		46.7	24	1085	0.8	632-4	0.18	190
		30	17	1257	1.2	631-6	0.09	190
		30	23	1257	0.9	632-6	0.12	190
	40	35	9.7	1194	1.9	561-4	0.06	175
		35	14	1194	1.2	562-4	0.09	175
		35	19	1194	0.9	631-4	0.12	190
		22.5	21	1383	1.0	631-6	0.09	190
	50	28	11	1286	1.5	561-4	0.06	175
		28	17	1286	1.0	562-4	0.09	175
		28	23	1286	0.8	631-4	0.12	190
		18	24	1490	0.7	631-6	0.09	190
	60	23.3	13	1367	1.3	561-4	0.06	175
		23.3	19	1367	0.9	562-4	0.09	175
		15	18	1583	0.9	562-6	0.06	175
	80	17.5	14	1504	0.9	561-4	0.06	175

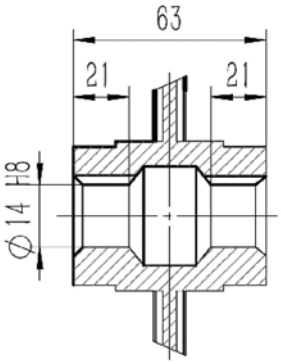
SJMFV030

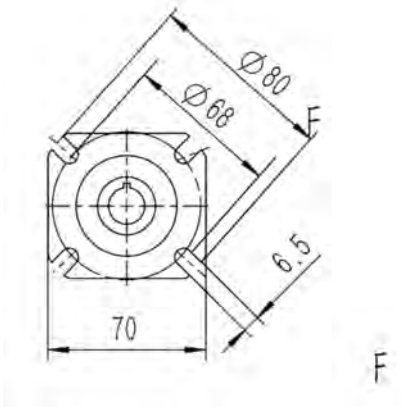


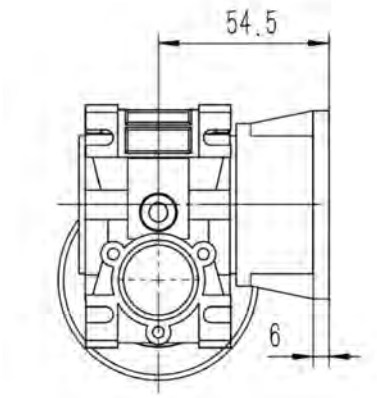










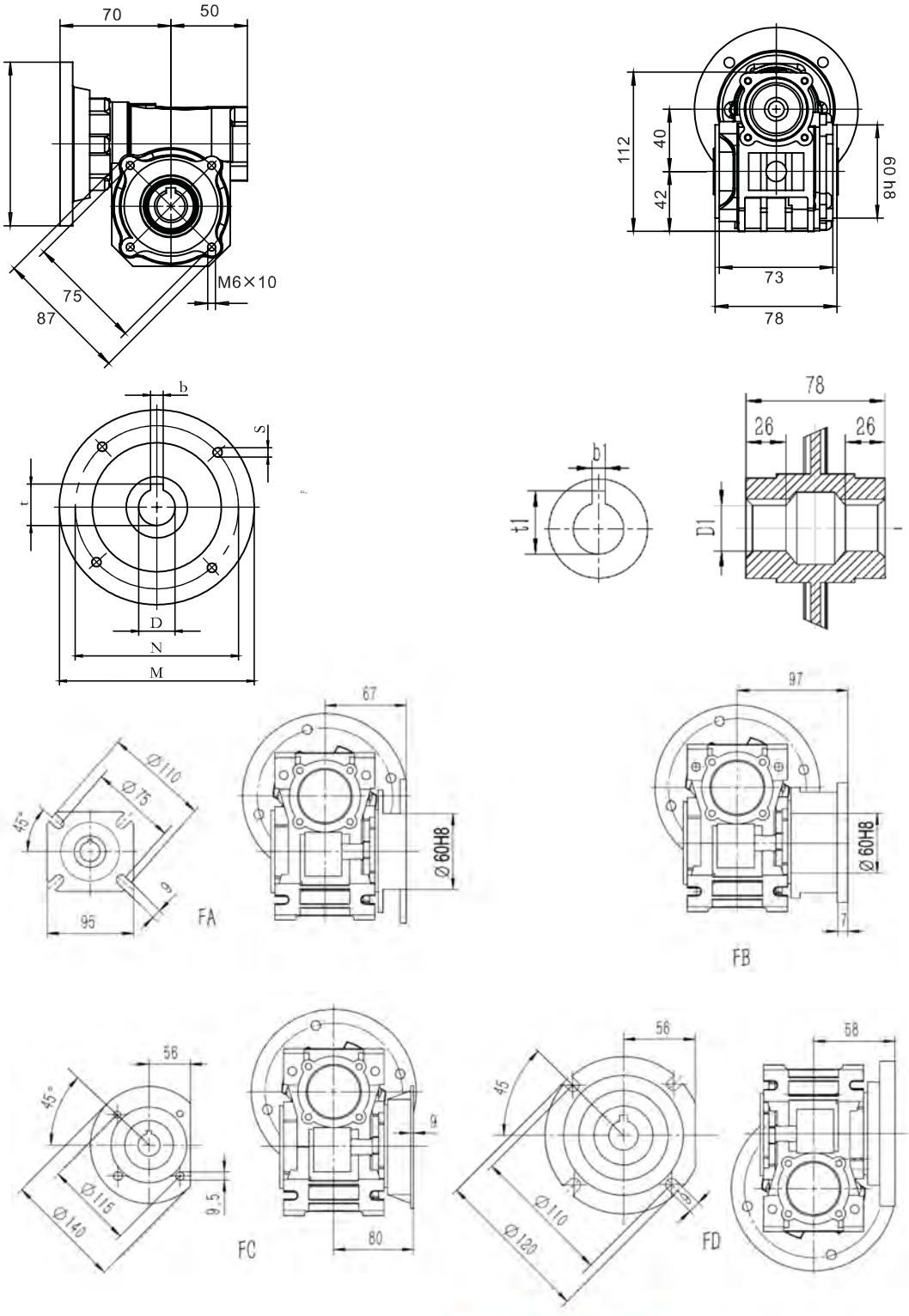


PAM / IEC	DE8	b	t	p	M	N	S
63B5	11	4	12.8	140	115	95	9
63B14	11	4	12.8	90	75	60	5.5
56B5	9	3	10.4	120	100	80	6.5
56B14	9	3	10.4	80	65	50	5.5

13.3 SJMFV040选型表/Selction table

减速器型号 Type	减速比 i	输出转速 n2 (min-1)	输出扭矩 Mn2 (Nm)	输出载荷 Fr2 (N)	工作系数 f.s.	电机型号 Motor size	输入功率 P1 (kW)	电机长度 Lenth of Motor (mm)
SJMFV040 	5	280	8	1149	4.5	711-4	0.25	225
		280	11	1149	3.0	712-4	0.37	225
		180	12	1331	3.5	712-6	0.25	225
	7.5	186.7	11	1315	3.6	711-4	0.25	225
		186.7	16	1315	2.4	712-4	0.37	225
		120	17	1524	2.6	712-6	0.25	225
	10	140	14	1447	2.8	711-4	0.25	225
		140	21	1447	1.9	712-4	0.37	225
		90	22	1677	2.0	712-6	0.25	225
	15	93.3	21	1657	1.9	711-4	0.25	225
		93.3	31	1657	1.3	712-4	0.37	225
		60	31	1920	1.4	712-6	0.25	225
	20	70	19	1824	2.0	632-4	0.18	190
		70	27	1824	1.5	711-4	0.25	225
		70	39	1824	1.0	712-4	0.37	225
		45	29	2113	1.5	711-6	0.18	225
		45	40	2113	1.1	712-6	0.25	225
	25	56	23	1964	1.7	632-4	0.18	190
		56	32	1964	1.2	711-4	0.25	225
		56	47	1964	0.8	712-4	0.37	225
		36	34	2276	1.3	711-6	0.18	225
		36	48	2276	0.9	712-6	0.25	225
	30	46.7	17	2087	2.6	631-4	0.12	190
		46.7	26	2087	1.7	632-4	0.18	190
		46.7	36	2087	1.3	711-4	0.25	225
		46.7	53	2087	0.8	712-4	0.37	225
		30	19	2419	2.6	631-6	0.09	190
		30	25	2419	1.9	632-6	0.12	190
		30	38	2419	1.3	711-6	0.18	225
		30	53	2419	0.9	712-6	0.25	225
	40	35	21	2298	1.9	631-4	0.12	190
		35	32	2298	1.3	632-4	0.18	190
		35	44	2298	0.9	711-4	0.25	225
		22.5	24	2662	1.9	631-6	0.09	190
		22.5	32	2662	1.4	632-6	0.12	190
		22.5	47	2662	1.0	711-6	0.18	225
	50	28	19	2475	2.0	562-4	0.09	175
		28	25	2475	1.5	631-4	0.12	190
		28	38	2475	1.0	632-4	0.18	190
		18	18	2868	2.3	562-6	0.06	175
		18	27	2868	1.5	631-6	0.09	190
		18	36	2868	1.2	632-6	0.12	190
	60	23.3	21	2630	1.7	562-4	0.09	175
		23.3	28	2630	1.3	631-4	0.12	190
		23.3	43	2630	0.8	632-4	0.18	190
		15	21	3047	1.9	562-6	0.06	175
		15	31	3047	1.3	631-6	0.09	190
		15	41	3047	0.9	632-6	0.12	190
	80	17.5	26	2895	1.3	562-4	0.09	175
		17.5	34	2895	1.0	631-4	0.12	190
		11.3	24	3354	1.4	562-6	0.06	175
		11.3	37	3354	1.0	631-6	0.09	190
	100	14	29	3118	1.0	562-4	0.09	175
		14	38	3118	0.8	631-4	0.12	190
		9	27	3490	1.2	562-6	0.06	175
		9	41	3490	0.8	631-6	0.09	190

SJMFV040



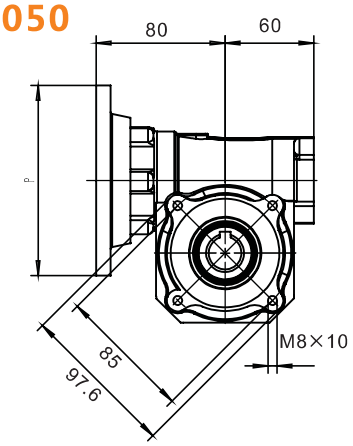
PAM / IEC	DE8	b	t	p	M	N	S
71B5	14	5	16.3	160	130	110	8.5
71B14	14	5	16.3	105	85	70	6.5
63B5	11	4	12.8	140	115	95	9
63B14	11	4	12.8	90	75	60	6
56B5	9	3	10.4	120	100	80	6.5

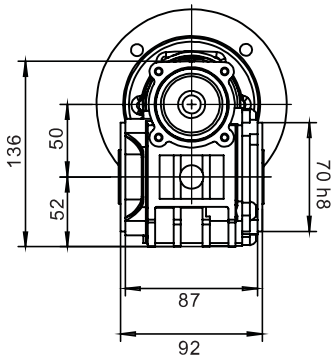
输出 output	D1H8	b1	t1
	18	6	20.8
	(19)	(6)	(21.8)
	(...)根据用户要求定制 (...)Only on request		

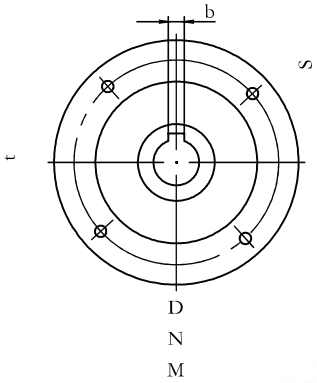
13.4 SJMFV050选型表/Selection Table

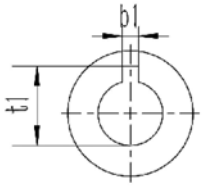
减速器型号 Type	减速比 i	输出转速 n2 (min-1)	输出扭矩 Mn2 (Nm)	输出载荷 Fr2 (N)	工作系数 f.s.	电机型号 Motor size	输入功率 P1 (kW)	电机长度 Lenth of Motor (mm)
SJMFV050 	5	280	17	1577	3.7	801-4	0.55	245
		280	23	1577	2.7	802-4	0.75	245
		180	17	1827	4.3	801-6	0.37	245
	7.5	186.7	25	1805	2.9	801-4	0.55	245
		186.7	34	1805	2.1	802-4	0.75	245
		120	25	2091	3.3	801-6	0.37	245
		120	38	2091	2.2	802-6	0.55	245
	10	140	22	1987	3.3	712-4	0.37	225
		140	32	1987	2.2	801-4	0.55	245
		140	44	1987	1.6	802-4	0.75	245
		90	33	2302	2.5	801-6	0.37	245
		90	49	2302	1.7	802-6	0.55	245
	15	93.3	31	2274	2.4	712-4	0.37	225
		93.3	46	2274	1.6	801-4	0.55	245
		93.3	63	2274	1.2	802-4	0.75	245
		60	47	2635	1.8	801-6	0.37	245
		60	69	2635	1.2	802-6	0.55	245
	20	70	27	2503	2.7	711-4	0.25	225
		70	40	2503	1.8	712-4	0.37	225
		70	59	2503	1.2	801-4	0.55	245
		70	81	2503	0.9	802-4	0.75	245
		45	40	2900	1.9	712-6	0.25	225
		45	60	2900	1.3	801-6	0.37	245
		45	89	2900	0.9	802-6	0.55	245
	25	56	32	2696	2.2	711-4	0.25	225
		56	48	2696	1.5	712-4	0.37	225
		56	71	2696	1.0	801-4	0.55	245
		36	48	3124	1.5	712-6	0.25	225
		36	72	3124	1.0	801-6	0.37	245
	30	46.7	37	2865	2.3	711-4	0.25	225
		46.7	55	2865	1.5	712-4	0.37	225
		46.7	81	2865	1.0	801-4	0.55	245
		30	54	3320	1.7	712-6	0.25	225
		30	80	3320	1.1	801-6	0.37	245
	40	35	33	3153	2.3	632-4	0.18	190
		35	46	3153	1.7	711-4	0.25	225
		35	68	3153	1.1	712-4	0.37	225
		22.5	32	3654	2.6	632-6	0.12	190
		22.5	67	3654	1.2	712-6	0.25	225
	50	28	39	3397	1.9	632-4	0.18	190
		28	54	3397	1.4	711-4	0.25	225
		28	80	3397	0.9	712-4	0.37	225
		18	38	3936	2.0	632-6	0.12	190
		18	56	3936	1.4	711-6	0.18	225
		18	78	3936	1.0	712-6	0.25	225
	60	23.3	29	3610	2.3	631-4	0.12	190
		23.3	43	3610	1.6	632-4	0.18	190
		23.3	60	3610	1.1	711-4	0.25	225
		23.3	89	3610	0.8	712-4	0.37	225
		15	32	4183	2.3	631-6	0.09	190
		15	42	4183	1.7	632-6	0.12	190
		15	63	4183	1.1	711-6	0.18	225
		15	88	4183	0.8	712-6	0.25	225
	80	17.5	35	3973	1.9	631-4	0.12	190
		17.5	52	3973	1.2	632-4	0.18	190
		17.5	72	3973	0.9	711-4	0.25	225
		11.3	37	4604	1.8	631-6	0.09	190
		11.3	50	4604	1.4	632-6	0.12	190
		11.3	75	4604	0.9	711-6	0.18	225
	100	14	40	4280	1.4	631-4	0.12	190
		14	60	4280	0.9	632-4	0.18	190
		9	42	4840	1.3	631-6	0.09	190
		9	56	4840	1.0	632-6	0.12	190

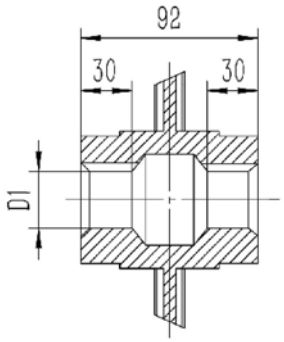
SJMFV050

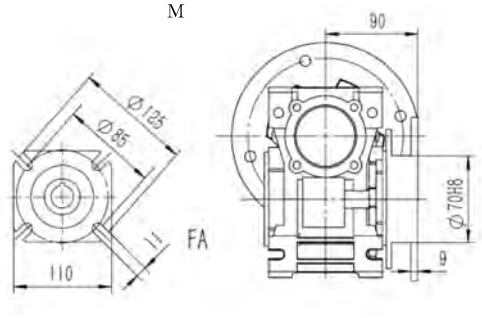


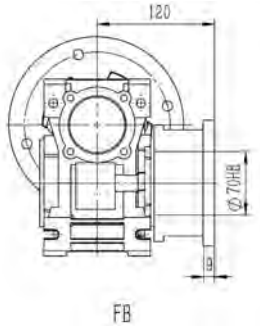


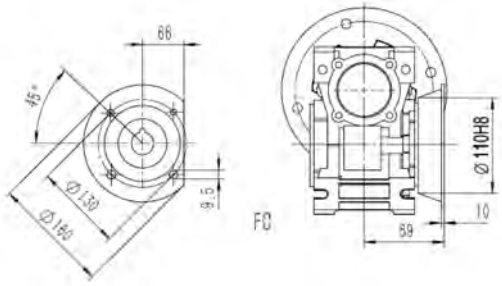


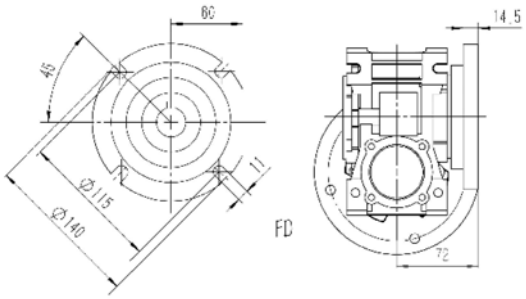












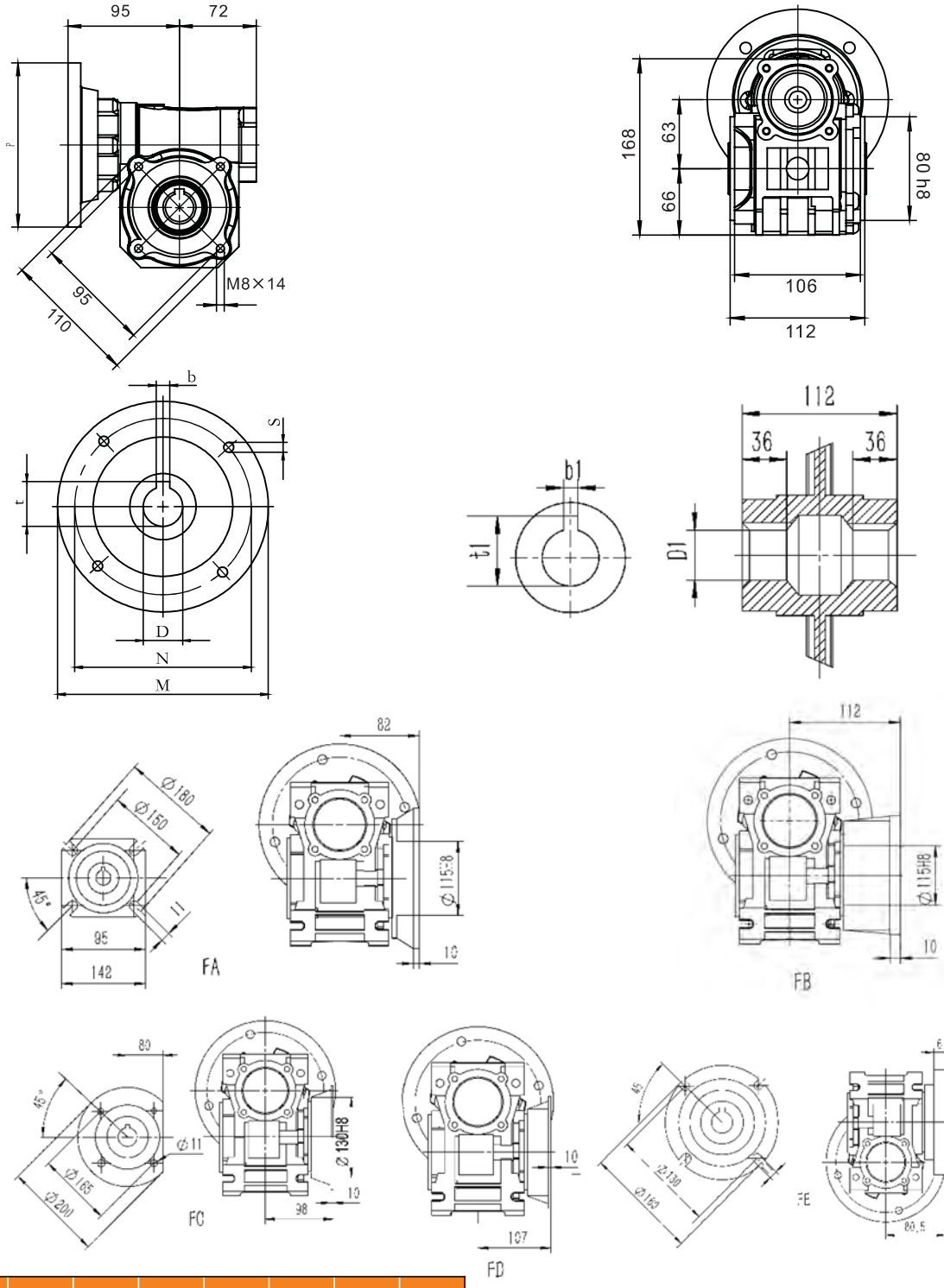
PAM / IEC	DE8	b	t	p	M	N	S
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	6.5
71B5	14	5	16.3	160	130	110	8.5
71B14	14	5	16.3	105	85	70	7
63B5	11	4	12.8	140	115	95	8.5

输出 output	$D1_{H8}$	b1	t1
	25	8	28.3
	(24)	(8)	(27.3)
	(...)根据用户要求定制 (...)Only on request		

13.5 SJMFV063选型表/Selection Table

减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMFV063 	5	280	32	2076	3.4	90S-4	1.1	254
		280	44	2076	2.3	90L-4	1.5	279
		180	33	2406	3.7	90S-6	0.75	254
		180	49	2406	2.5	90L-6	1.1	279
	7.5	186.7	50	2359	2.6	90S-4	1.1	254
		186.7	68	2359	1.9	90L-4	1.5	279
		120	52	2734	2.9	90S-6	0.75	254
		120	76	2734	2.0	90L-6	1.1	279
	10	140	65	2597	2.0	90S-4	1.1	254
		140	89	2597	1.5	90L-4	1.5	279
		90	68	3009	2.3	90S-6	0.75	254
		90	99	3009	1.5	90L-6	1.1	279
	15	93.3	64	2973	2.2	802-4	0.75	245
		93.3	93	2973	1.5	90S-4	1.1	254
		93.3	127	2973	1.1	90L-4	1.5	279
		60	71	3444	2.2	802-6	0.55	245
		60	97	3444	1.6	90S-6	0.75	254
		60	142	3444	1.1	90L-6	1.1	279
	20	70	61	3272	2.2	801-4	0.55	245
		70	83	3272	1.6	802-4	0.75	245
		70	166	3272	0.8	90L-4	1.5	254
		70	122	3272	1.1	90S-4	1.1	279
		45	60	3791	2.4	801-6	0.37	245
		45	90	3791	1.6	802-6	0.55	245
		45	123	3791	1.2	90S-6	0.75	254
		45	180	3791	0.8	90L-6	1.1	279
	25	56	73	3524	1.8	801-4	0.55	245
		56	100	3524	1.3	802-4	0.75	245
		56	146	3524	0.9	90S-4	1.1	254
		36	74	4084	1.9	801-6	0.37	245
		36	109	4084	1.3	802-6	0.55	245
		36	149	4084	0.9	90S-6	0.75	254
	30	46.7	83	3745	1.9	801-4	0.55	245
		46.7	114	3745	1.4	802-4	0.75	245
		46.7	167	3745	1.0	90S-4	1.1	254
		30	82	4339	2.1	801-6	0.37	245
		30	123	4339	1.4	802-6	0.55	245
		30	167	4339	1.0	90S-6	0.75	254
	40	35	71	4122	2.1	712-4	0.37	225
		35	105	4122	1.4	801-4	0.55	245
		35	143	4122	1.0	802-4	0.75	245
		22.5	102	4776	1.6	801-6	0.37	245
		22.5	152	4776	1.1	802-6	0.55	245
	50	28	56	4440	2.4	711-4	0.25	225
		28	83	4440	1.6	712-4	0.37	225
		28	124	4440	1.1	801-4	0.55	245
		18	81	5145	1.8	712-6	0.25	225
		18	120	5145	1.2	801-6	0.37	245
	60	23.3	63	4719	2.0	711-4	0.25	225
		23.3	94	4719	1.4	712-4	0.37	225
		23.3	140	4719	0.9	801-4	0.55	245
		15	66	5467	2.1	711-6	0.18	225
		15	92	5467	1.5	712-6	0.25	225
		15	137	5467	1.0	801-6	0.37	245
	80	17.5	78	5193	1.6	711-4	0.25	225
		17.5	115	5193	1.1	712-4	0.37	225
		11.3	79	6018	1.6	711-6	0.18	225
		11.3	110	6018	1.2	712-6	0.25	225
	100	14	87	5595	1.4	711-4	0.25	225
		14	129	5595	0.9	712-4	0.37	225
		9	90	6270	1.4	711-6	0.18	225
		9	125	6270	1.0	712-6	0.25	225

SJMFV063



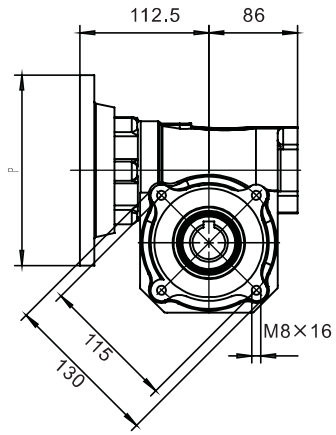
PAM / IEC	DE8	b	t	P	M	N	S
90B5	24	8	27.3	200	165	130	11
90B14	24	8	27.3	140	115	95	9
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	7
71B5	14	5	16.3	160	130	110	8.5
71B14	14	5	16.3	105	85	70	7

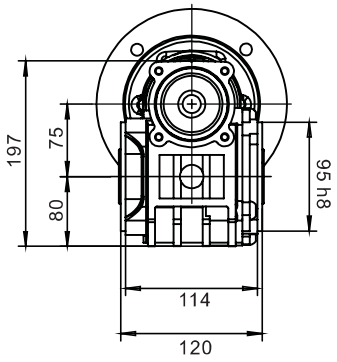
输出 output	D1 H8	b1	t1
	25	8	28.3
	(28)	(8)	(31.3)
	(...)根据用户要求定制 (...)Only on request		

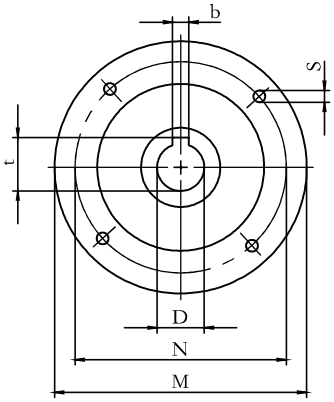
13.6 SJMFV075选型表/Selection Table

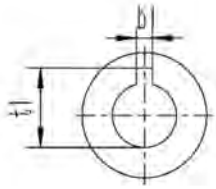
减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMFV075 	7.5	186.7	100	2785	1.8	100L1-4	2.2	312
		186.7	137	2785	1.4	100L2-4	3.0	312
		186.7	182	2785	1.0	112M-4	4.0	334
		120	105	3227	2.0	100L-6	1.5	312
	10	140	90	3065	2.2	90L-4	1.5	279
		140	132	3065	1.5	100L1-4	2.2	312
		140	180	3065	1.1	100L2-4	3.0	312
		140	240	3065	0.8	112M-4	4.0	334
		90	100	3551	2.3	90L-6	1.1	279
		90	137	3551	1.7	100L-6	1.5	312
	15	93.3	96	3509	2.1	90S-4	1.1	254
		93.3	130	3509	1.5	90L-4	1.5	279
		93.3	191	3509	1.0	100L1-4	2.2	312
		93.3	261	3509	0.8	100L2-4	3.0	312
		60	98	4065	2.4	90S-6	0.75	254
		60	144	4065	1.6	90L-6	1.1	279
		60	196	4065	1.2	100L-6	1.5	312
	20	70	123	3862	1.7	90S-4	1.1	254
		70	168	3862	1.3	90L-4	1.5	279
		45	126	4474	1.9	90S-6	0.75	254
		45	184	4474	1.3	90L-6	1.1	279
	25	56	102	4160	2.0	802-4	0.75	245
		56	150	4160	1.3	90S-4	1.1	254
		56	205	4160	1.0	90L-4	1.5	279
		36	153	4820	1.4	90S-6	0.75	254
		36	225	4820	1.0	90L-6	1.1	279
	30	46.7	117	4421	2.0	802-4	0.75	245
		46.7	171	4421	1.3	90S-4	1.1	254
		46.7	233	4421	1.0	90L-4	1.5	279
		30	128	5122	2.0	802-6	0.55	245
		30	174	5122	1.5	90S-6	0.75	254
		30	256	5122	1.0	90L-6	1.1	279
	40	35	108	4865	2.0	801-4	0.55	245
		35	147	4865	1.5	802-4	0.75	245
		35	216	4865	1.0	90S-4	1.1	254
		22.5	159	5637	1.5	802-6	0.55	245
		22.5	216	5637	1.1	90S-6	0.75	254
	50	28	129	5241	1.6	801-4	0.55	245
		28	177	5241	1.2	802-4	0.75	245
		18	126	6073	1.8	801-6	0.37	245
		18	187	6073	1.2	802-6	0.55	245
	60	23.3	98	5569	2.0	712-4	0.37	225
		23.3	146	5569	1.4	801-4	0.55	245
		23.3	200	5569	1.0	802-4	0.75	245
		15	144	6453	1.5	801-6	0.37	245
		15	214	6453	1.0	802-6	0.55	245
	80	17.5	82	6130	2.3	711-4	0.25	225
		17.5	121	6130	1.6	712-4	0.37	225
		17.5	180	6130	1.1	801-4	0.55	245
		11.3	117	7103	1.7	712-6	0.25	225
		11.3	173	7103	1.2	801-6	0.37	245
	100	14	94	6603	1.9	711-4	0.25	225
		14	139	6603	1.3	712-4	0.37	225
		14	206	6603	0.9	801-4	0.55	245
		9	133	7380	1.4	712-6	0.25	225
		9	196	7380	1.0	801-6	0.37	245

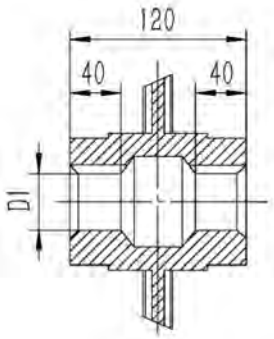
SJMFV075

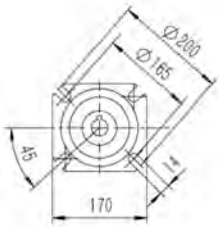












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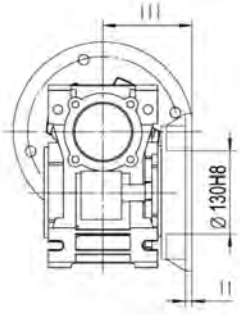
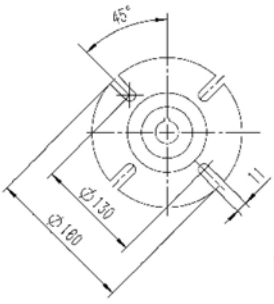
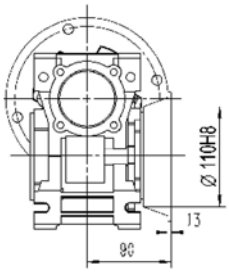






FB

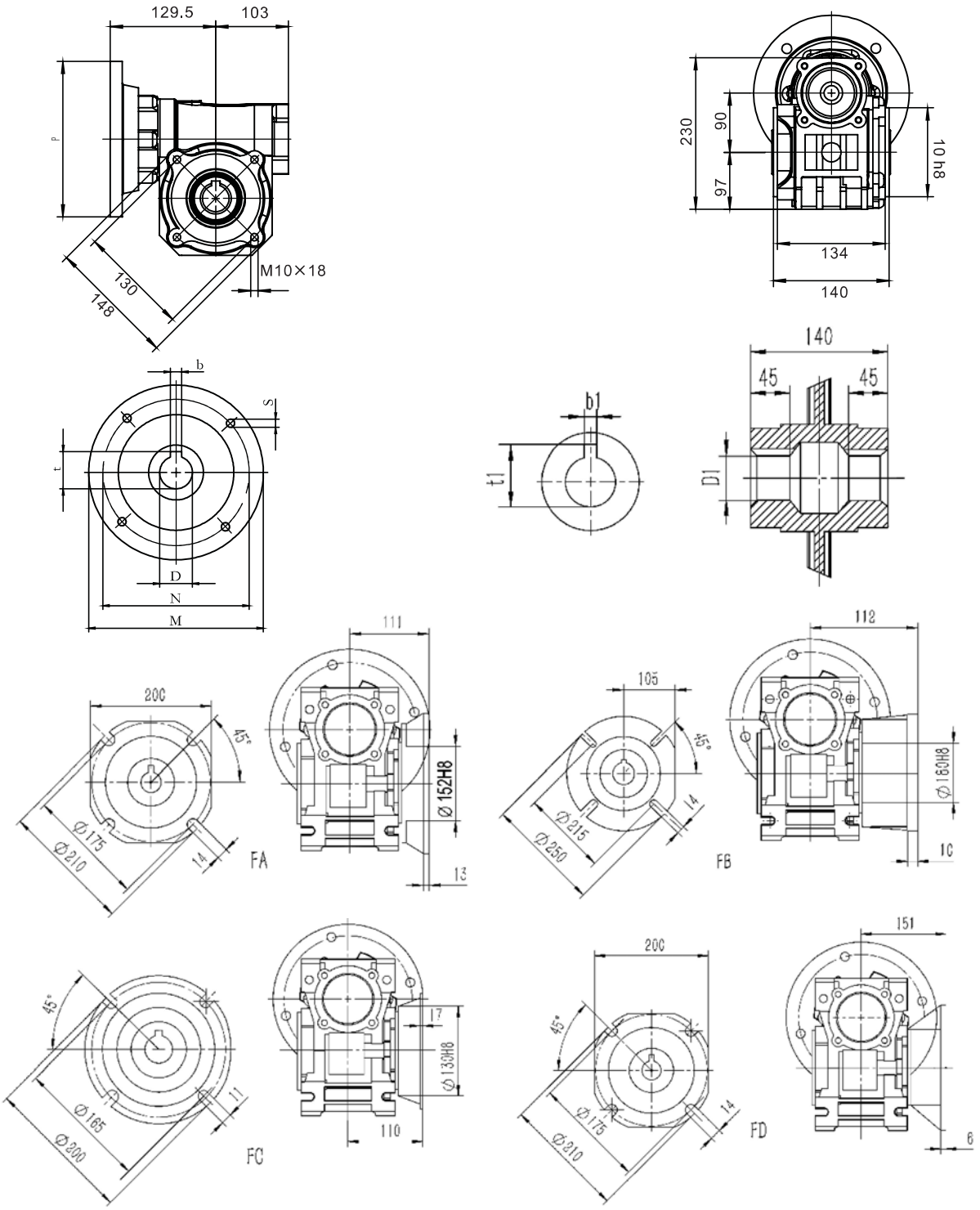
PAM / IEC	DE8	b	t	p	M	N	S
100/112B5	28	8	31.3	250	215	180	13
100/112B14	28	8	31.3	160	130	110	9
90B5	24	8	27.3	200	165	130	11
90B14	24	8	27.3	140	115	95	9
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	6.5
71B5	14	5	16.3	160	130	110	9

输出 output	D1H8	b1	t1
	28	8	31.3
	(35)	(10)	(38.3)
	(...)根据用户要求定制 (...)Only on request		

13.7 SJMFV090选型表/Selction table

减速器型号 Type	减速比 i	输出转速 n2 (min-1)	输出扭矩 Mn2 (Nm)	输出载荷 Fr2 (N)	工作系数 f.s.	电机型号 Motor size	输入功率 P1 (kW)	电机长度 Lenth of Motor (mm)
SJMFV090 	7.5	186.7	101	3081	2.9	100L1-4	2.2	312
		186.7	138	3081	2.1	100L2-4	3	312
		186.7	184	3081	1.6	112M-4	4	334
		120	156	3570	2.2	112M-6	2.2	334
	10	140	134	3391	2.3	100L1-4	2.2	312
		140	182	3391	1.7	100L2-4	3	312
		140	243	3391	1.3	112M-4	4	334
		90	138	3929	2.7	100L-6	1.5	312
		90	203	3929	1.8	112M-6	2.2	334
	15	93.3	194	3882	1.9	100L1-4	2.2	312
		93.3	264	3882	1.4	100L2-4	3	312
		93.3	352	3882	1.0	112M-4	4	334
		60	201	4498	2.1	100L-6	1.5	312
		60	294	4498	1.4	112M-6	2.2	334
	20	70	172	4273	2.1	90L-4	1.5	279
		70	252	4273	1.4	100L1-4	2.2	312
		70	344	4273	1.0	100L2-4	3	312
		70	458	4273	0.8	112M-4	4	334
		45	258	4951	1.5	100L-6	1.5	312
		45	378	4951	1.0	112M-6	2.2	334
	25	56	210	4603	1.6	90L-4	1.5	279
		56	308	4603	1.1	100L1-4	2.2	312
		56	420	4603	0.8	100L2-4	3	312
		36	231	5333	1.6	90L-6	1.1	279
		36	314	5333	1.2	100L-6	1.5	312
	30	46.7	239	4891	1.7	90L-4	1.5	279
		46.7	351	4891	1.2	100L1-4	2.2	312
		46.7	479	4891	0.9	100L2-4	3	312
		30	179	5667	2.6	90S-6	0.75	254
		30	263	5667	1.8	90L-6	1.1	279
		30	358	5667	1.3	100L-6	1.5	312
	40	35	225	5383	1.6	90S-4	1.1	254
		35	307	5383	1.2	90L-4	1.5	279
		22.5	226	6238	1.8	90S-6	0.75	254
		22.5	331	6238	1.2	90L-6	1.1	279
	50	28	184	5799	1.8	802-4	0.75	245
		28	270	5799	1.3	90S-4	1.1	254
		28	368	5799	0.9	90L-4	1.5	279
		18	198	6719	2.0	802-6	0.55	245
		18	271	6719	1.4	90S-6	0.75	254
		18	397	6719	1.0	90L-6	1.1	279
	60	23.3	212	6163	1.5	802-4	0.75	245
		23.3	311	6163	1.0	90S-4	1.1	254
		23.3	424	6163	0.8	90L-4	1.5	279
		15	224	7140	1.6	802-6	0.55	245
		15	306	7140	1.1	90S-6	0.75	254
		15	448	7140	0.8	90L-6	1.1	279
	80	17.5	189	6783	1.5	801-4	0.55	245
		17.5	258	6783	1.1	802-4	0.75	245
		11.3	185	7859	1.7	801-6	0.37	245
		11.3	275	7859	1.1	802-6	0.55	245
	100	14	221	7306	1.2	801-4	0.55	245
		14	302	7306	0.9	802-4	0.75	245
		9	212	8180	1.3	801-6	0.37	245
		9	315	8180	0.9	802-6	0.55	245

SJMFV090



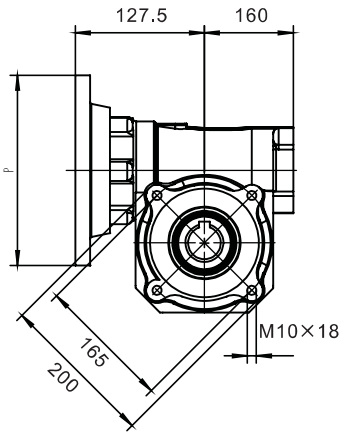
PAM / IEC	DE8	b	t	p	M	N	S
100/112B5	28	8	31.3	250	215	180	13
100/112B14	28	8	31.3	160	130	110	9
90B5	24	8	27.3	200	165	130	11
90B14	24	8	27.3	140	115	95	9
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	6.5

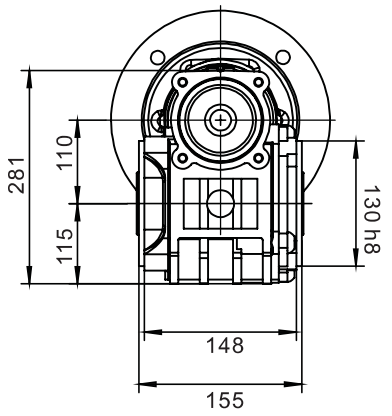
输出 output	$D1_{H8}$	b1	t1
	35	10	38.3
	(38)	(10)	(41.3)
	(...)根据用户要求定制 (...)Only on request		

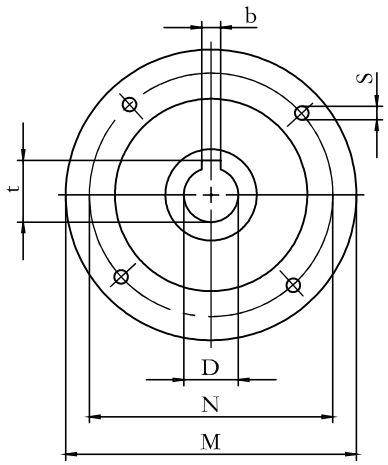
13.8 SJMFV110选型表/Selction table

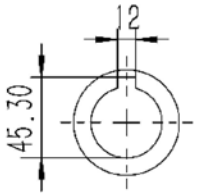
减速器型号 Type	减速比 i	输出转速 n2 (min-1)	输出扭矩 Mn2 (Nm)	输出载荷 Fr2 (N)	工作系数 f.s.	电机型号 Motor size	输入功率 P1 (kW)	电机长度 Lenth fo dMor (mm)
SJMFV110 	7.5	186.7	253	3893	1.9	132S-4	5.5	382
		186.7	345	3893	1.4	132M-4	7.5	420
		120	212	4511	2.7	132S-6	3	382
		120	283	4511	2	132M1-6	4	420
	10	140	243	4285	2.1	112M-4	4	334
		140	334	4285	1.6	132S-4	5.5	382
		140	455	4285	1.1	132M-4	7.5	420
		90	205	4965	3	112M-6	2.2	334
		90	280	4965	2.2	132S-6	3	382
		90	374	4965	1.7	132M1-6	4	420
	15	93.3	264	4905	2.2	100L2-4	3	312
		93.3	352	4905	1.6	112M-4	4	334
		93.3	484	4905	1.2	132S-4	5.5	382
		93.3	660	4905	0.9	132M-4	7.5	420
		60	298	5684	2.2	112M-6	2.2	334
		60	406	5684	1.6	132S-6	3	382
		60	541	5684	1.2	132M1-6	4	420
	20	70	255	5399	2.2	100L1-4	2.2	312
		70	348	5399	1.6	100L2-4	3	312
		70	464	5399	1.2	112M-4	4	334
		70	638	5399	0.9	132S-4	5.5	382
		45	264	6256	2.4	100L-6	1.5	312
		45	388	6256	1.6	112M-6	2.2	334
		45	528	6256	1.2	132S-6	3	382
	25	56	315	5816	1.9	100L1-4	2.2	312
		56	430	5816	1.4	100L2-4	3	312
		56	573	5816	1	112M-4	4	334
		36	322	6739	2	100L-6	1.5	312
		36	473	6739	1.4	112M-6	2.2	334
	30	46.7	356	6181	1.8	100L1-4	2.2	312
		46.7	485	6181	1.3	100L2-4	3	312
		46.7	647	6181	1	112M-4	4	334
		30	363	7161	2	100L-6	1.5	312
		30	532	7161	1.4	112M-6	2.2	334
	40	35	319	6803	1.9	90L-4	1.5	279
		35	468	6803	1.3	100L1-4	2.2	312
		35	638	6803	1	100L2-4	3	312
		22.5	345	7882	2	90L-6	1.1	279
		22.5	471	7882	1.5	100L-6	1.5	312
	50	28	281	7328	2.1	90S-4	1.1	254
		28	384	7328	1.6	90L-4	1.5	279
		28	563	7328	1.1	100L1-4	2.2	312
		28	767	7328	0.8	100L2-4	3	312
		18	414	8491	1.6	90L-6	1.1	279
		18	565	8491	1.2	100L-6	1.5	312
	60	23.3	324	7787	1.7	90S-4	1.1	254
		23.3	442	7787	1.3	90L-4	1.5	279
		23.3	648	7787	0.9	100L1-4	2.2	312
		15	325	9023	1.9	90S-6	0.75	254
		15	476	9023	1.3	90L-6	1.1	279
		15	649	9023	1	100L-6	1.5	312
	80	17.5	201	8571	2.4	801-4	0.55	245
		17.5	274	8571	1.8	802-4	0.75	245
		17.5	402	8571	1.2	90S-4	1.1	254
		17.5	548	8571	0.9	90L-4	1.5	279
		11.3	294	9931	1.8	802-6	0.55	245
		11.3	401	9931	1.3	90S-6	0.75	254
		11.3	588	9931	0.9	90L-6	1.1	279
	100	14	236	9232	1.9	801-4	0.55	245
		14	322	9232	1.4	802-4	0.75	245
		14	473	9232	1	90S-4	1.1	254
		9	338	10320	1.4	802-6	0.55	245
		9	462	10320	1.1	90S-6	0.75	254

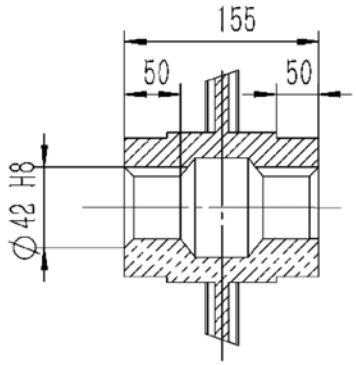
SJMFV110

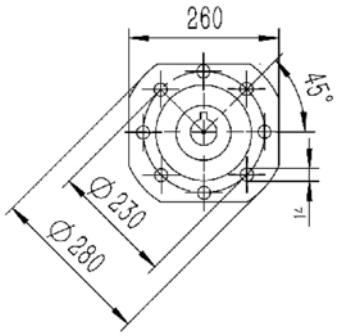












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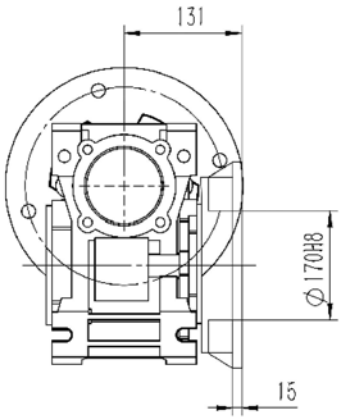
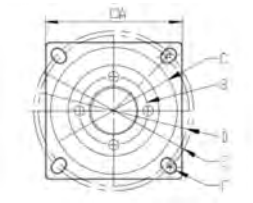


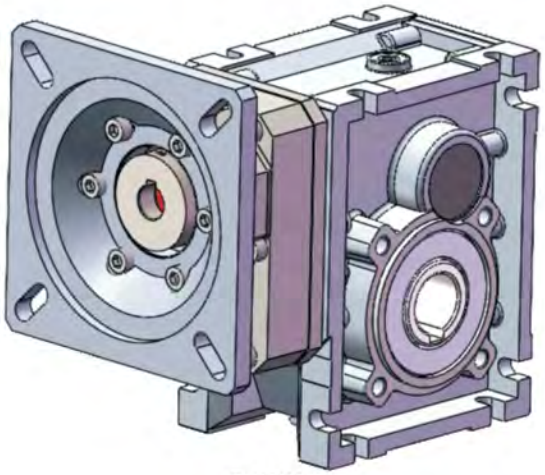
PAM / IEC	DE8	b	t	p	M	N	S
132B5	38	10	41.3	300	265	230	M12
100/112B5	28	8	31.3	250	215	180	13
90B5	24	8	27.3	200	165	130	11
80B5	19	6	21.8	200	165	130	11

13.9 SJMFV030-090输入方法兰尺寸表/Size of Input Square Flange in 030-090



减速机型号 Gearbox Size	法兰规格 Flange size	A	B	C	D	E	F
SJMFV030	60*60	60	45	50	70	/	M5
	80*80	80	45	60	90	94	6.6
	80*80	80	45	70	90	94	6.6
	85*85	85	45	60	90	98	6.6
	85*85	85	45	70	90	98	6.6
	90*90	90	45	83	102	106	6.6
	104*104	104	45	94	115	120	8.8
	104*104	104	45	98	115	120	8.8
SJMFV040	60*60	60	57	50	70	/	M5
	80*80	80	57	60	90	94	6.6
	80*80	80	57	70	90	94	6.6
	85*85	85	57	60	90	98	6.6
	85*85	85	57	70	90	98	6.6
	90*90	90	57	83	102	106	6.6
	104*104	104	57	94	115	120	8.8
	104*104	104	57	95	115	120	8.8
	112*112	112	57	85	125	131	8.8
	112*112	112	57	95	125	131	8.8
SJMFV050	80*80	80	65	60	90	94	6.6
	80*80	80	65	70	90	94	6.6
	85*85	85	65	60	90	98	6.6
	85*85	85	65	70	90	98	6.6
	90*90	90	65	83	102	106	6.6
	104*104	104	65	94	115	120	8.8
	104*104	104	65	95	115	120	8.8
	110*110	110	65	85	125	131	8.8
	112*112	112	65	85	125	131	8.8
	112*112	112	65	95	125	131	8.8
	130*130	130	65	100	125	140	8.8
	130*130	130	65	110	125	140	8.8
SJMFV063	85*85	85	75	73	90	98	6.6
	85*85	85	75	80	90	98	6.6
	110*110	110	75	85	125	131	8.8
	112*112	112	75	85	125	131	8.8
	112*112	112	75	95	125	131	8.8
	130*130	130	75	100	125	140	8.8
	130*130	130	75	110	125	140	8.8
SJMFV075 SJMFV090	85*85	85	82	73	90	98	6.6
	85*85	85	82	80	90	98	6.6
	110*110	110	82	85	125	131	8.8
	110*110	110	82	92	125	131	8.8
	130*130	130	82	100	125	140	8.8
	130*130	130	82	110	125	140	8.8

产品展示/PRODUCT DOSIPAY



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050-110

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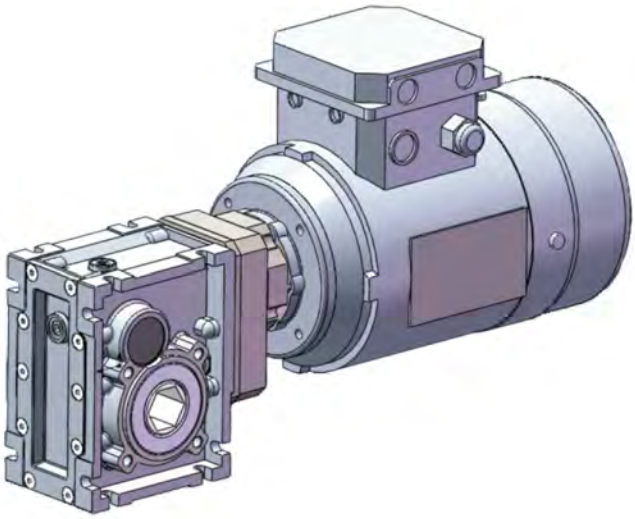
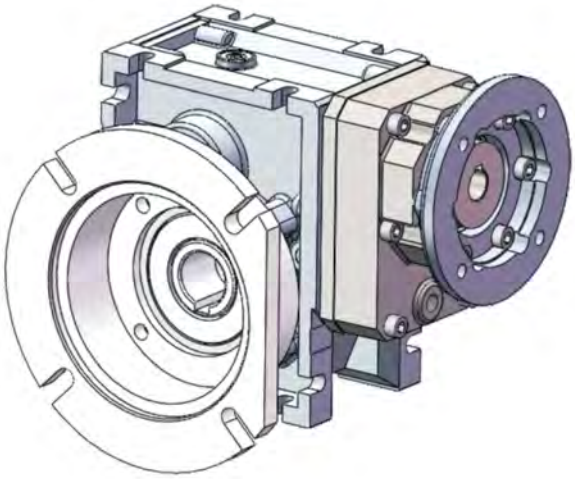
050-110





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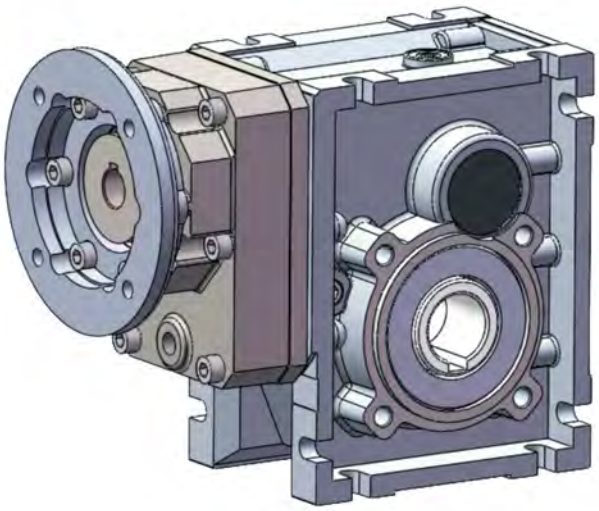
050-110



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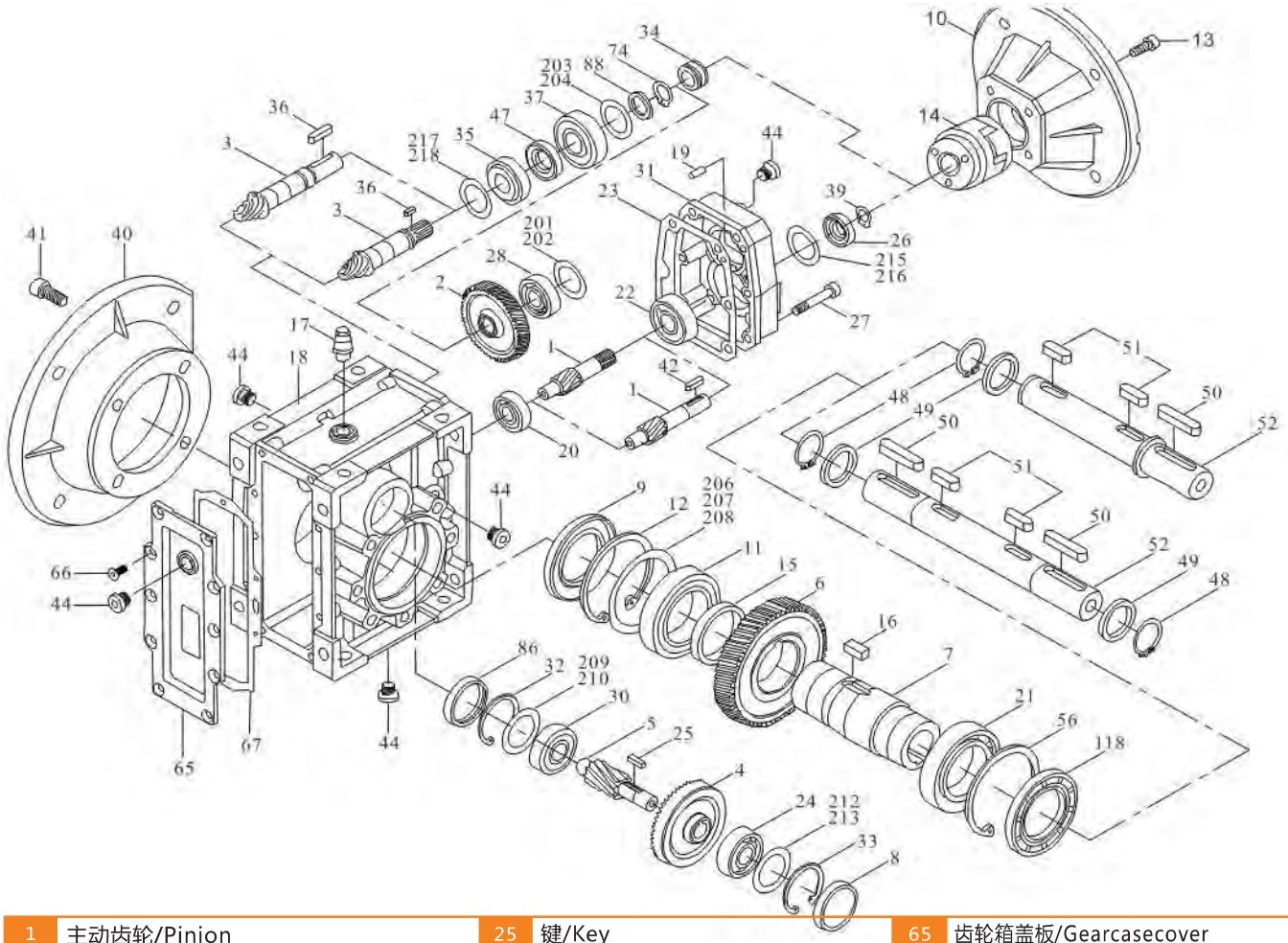
050-110

结构分解图/STRUCTURE DIAGRAM



1	主动齿轮/Pinion	25	键/Key	65	齿轮箱盖板/Gearcasecover
2	从动齿轮/Gear	26	油封/Oilseal	66	内六角沉头螺钉/Hexagonsunkscrew
3	主动齿轮轴/Pinionshaft	27	内六角螺钉/Innerhexscrew	67	橡胶垫/Rubbergasket
4	从动齿轮/Gear	28	轴承/Anti-friction bearing	74	轴用挡圈/Shaft-circlip
5	主动齿轮轴/Pinionshaft	29	轴承/Anti-frictionbearing	86	油封盖/Closingcap
6	从动齿轮/Gear	30	三级齿轮箱/3stagegearcase	88	垫圈/Washer
7	输出轴/Hollowshaft	31	孔用挡圈/Hole-circlip	118	油封/Oilsea
8	油封盖/Closingcap	32	孔用挡圈/Hole-circlip	1201	调整垫片/Shimring
9	油封/Oilseal	33	轴承/Anti-frictionbearing	202	调整垫片/Shimring
10	输入法兰/Intputflange	34	键/Key	205	调整垫片/Shimring
11	轴承/Anti-frictionbearing	35	轴承/Anti-frictionbearing	206	调整垫片/Shimring
12	孔用挡圈/Hole-circlip	36	轴用挡圈/Shaft-circlip	207	调整垫片/Shimring
13	内六角螺钉/Innerhexscrew	37	输出法兰/Outputflage	208	调整垫片/Shimring
14	联轴器/Coupling	38	内六角螺钉/Innerhexscrew	209	调整垫片/Shimring
15	间隔套/Spacer	39	键/Key	210	调整垫片/Shimring
16	键/Key	40	油塞/Oilplug	211	调整垫片/Shimring
17	排气阀/Breathervalve	41	油封/Oilseal	212	调整垫片/Shimring
18	齿轮箱体/Gearcase	42	轴用挡圈/Shaft-circlip	213	调整垫片/Shimring
19	圆柱销/Stifte	43	垫片/Gasket	214	调整垫片/Shimring
20	轴承/Anti-frictionbearing	44	键/Key	215	调整垫片/Shimring
21	轴承/Anti-frictionbearing	45	键/Key	216	调整垫片/Shimring
22	轴承/Anti-friction bearing	46	双向输出轴/Doubleoutputshaft	217	调整垫片/Shimring
23	密封纸垫片/Housinggasket	47	单向输出轴/Singleoutputshaft		
24	轴承/Anti-frictionbearing	48	孔用挡圈/Hole-circlip		

概述/SUMMARIZE

15.1产品特点/Products features

SJKM系列准双曲面齿轮减速器是我公司最新研发的新一代实用性产品，具有以下一此主要特点:
sjkm series helical-hypoid gear units isa new-gen eration ofproduct developed by ourcompanywithacompromise of advancedtechnology both at home and abroad its main features are as follows:

1.采用准双曲面齿轮传动，传动比大;

1.Driven by hypois gear has big ratios.

2.输出扭矩大，传动效率高，节能环保:

2.Large in output torque,high efficieneyenergy saving and environmentalprotection

3.优质铝合金铸造，重最轻，不生锈;

3.Made ofhigh-quqlity aluminum alloy, light in weight and nonrusting

4.传动平稳，喝音小，适合在需劣环境中长期连续工作:

4.Smooth in running and low in noisecan work long time in dreadfulconditions

5.美观耐用，体积小;

5.Good-lookingin appearance durable in life service and small in volume.

6.可适应全方位安装，应用广泛，使用方便;

6.Suitable for all round installationwide application and easy ofuse.

7.SJKM系列减速器安装尺寸与SJMRV系列蜗轮蜗杆减速器完全兼容(SJKM50与SJMRV050部分尺寸不同);

7.The mounting dimension of SJKMseries are compatible with SJMRV series worm gear unit(Apart of SJKM050 dimensions are different from SJMRV050)

8.模块化组合，可多种形式组合，满足各种传动条件的需求。

8. Modulaw and multistructure can meet the demands of various conditions

15.2 主要材料/Main materials

1.外壳:铝合金(机座:05-090);

1.Housing:die-castaluminumalloy(frame size28to58)

2齿轮:20CrMnTiH1渗碳淬火，齿面硬度56-62HRC，精磨后保持渗碳层厚度0.3-0.5mm;

2.Gear wheel:20CrMnTiHl.carbonize &quencher heat treatment make the hardness ofgear's surface up to 56-62 HRC.retain carbuzation layer's thickness between 0.3 and 0.5mm after precise grinding

型号说明/MODEL ILLUMINATE

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

减速机/Gear unit　　电机/Motor

SJKM ① 063 ② B ③ — 20.25 ④ — FA1 ⑤ SS1 ⑥ — 71B5 ⑦ B3 ⑧ — 7124或/or0.37-4 ⑨ / 270° ⑪ / 3 ⑫

NO	说明	Comments
1	减速机系列代号:SJKM	Code for gear units series:SJKM
2	减速机规格代号:50、63、75、90、110	Specification code ofgear units:50、63、75、90、110
3	1)B表示2级传动 2)C:表示3级传动	1).B:Means2stages 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)FAFBFCFDFE(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 4)H(1/2):H表示带锁紧盘空心轴1或2表示`锁紧盘位置	1).No mark means hole output 2).**SS(1/2)**:Single output shaftandposition 3).**DS**:Double output shaft 4).h(1/2):Hollow shaft with shrink diskand position
7	1)输入法兰规格代号 (63B5、71B5、71B14.....) 2).HS:表示轴输入	1).Input flangecode(63B571B571B14.....) 2).HS:means shaft input
8	安装方位代号 (B3B687B8V5V6)(见PG24)	Installation position code
9	1).无代号表示不带制动器 2).电机型号或功率、极数	1).No mark means without brake 2).Modelmotos(poles of power)
10	电机接线盒位置，默认位置0°(R)可以不写 (见P.G24)	Position ofmotor terminal box, default position 0°(R) not to write out is ok
11	电机进线位置，默认位置S可以不写 (见P.G24)	Coil Position for motor default position S 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 motorsotherwise reducers aren't supplied with motors.
示例：
Example:
SJKM50B-1247-B3-71B5

选型相关参数/RELEVANTPARAMETER

17.1 功率/PowerP

$$P1=\frac{P2}{\eta}\ [kW]$$

$$P1n \geq Pr \cdot fs[kW]$$

P1 输入功率
P1 Input power
P2 输出功率
P2 Output power
P1n 电机额定功率
Pin Rated power driving motor
fs 使用系数
fs Service factor
η 传动效率
η Transmission efficiency

Km系列减速器的效率是根据传动级数确定，2级传动效率n为92%，3级传动效率n为90%。
The efficiency of KM geat units varies with the number of gear stages,between94%(2-stage),92%(3-stage).

17.2 转速/Rotation speed n

n1 减速器输入转速
n1 Gear units input speed
n2 减速器输出转速
n2 Gear units output speed

若是齿轮箱外部传动装置驱动，为了优化工作条件和提高使用寿命，建议使用1400r/min或更低转速允许输入较高的输入转速，但在这种情况下，额定扭矩M2会下降。
Ifdriven by the external gearing1440r/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 M2 will be reduced.

17.3 传动比/Transmission ration i

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

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 2radix point tagged in selection tables.

17.4 扭矩/Tourque M

$$M2=\frac{9550 \cdot P_1 \cdot \eta}{n2}\ [Nm]$$

$$M2n \geq M2 \cdot fs[Nm]$$

M2 输出扭矩
M2 Output lorque
M2n 选用输出扭矩
M2n Selected output torque
P1 输入功率
P1 Input power
η 传动效率
η Transmission efficiency
fs 使用系数
fs Service factor

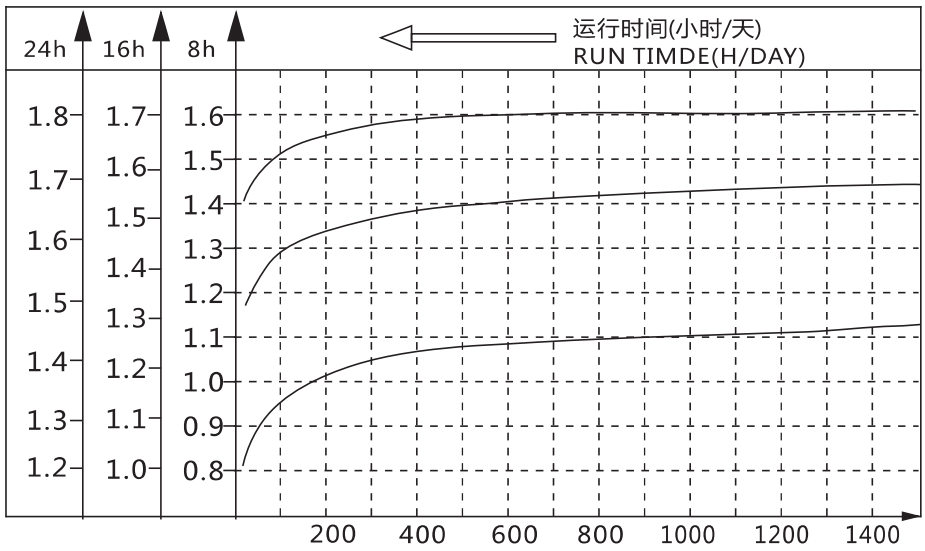
17.5 使用系数/Service factor fs

使用减速器时，应考虑一定的使用系数fs，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 ofthe driven machine on the gear unit is takeninto account to a sufficient level ofaccuracyusing theservice factor fs.The service factor is determined accordingto the daily oper ating time and the starting frequency zthree load elassifications are considered depending on themass acceleration tactorYou can read offthe serVice factorapplicable to your application in following figure

使用此图选择的服务系数必须小于或等于性能参数表中给出的服务系数。

The service factor selected using this diagram must be less than or equal to the service factor as given in the performance parameter table.



使用系数(fs) 启动频率Z(次/小时)

Servicefactor(fs) #StartfrequencyZ(1/h)#

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的变化时的次数。

Starting frequency Z:The cycles include all starting and braking procedures as well as change overs from low to high speed.

17.5.1 负载类型/ load classifications

Ⓐ 均匀冲击负载，允许惯性加速系数fa≤0.2

Ⓑ 中等冲击负载，允许惯性加速系数fa≤3

Ⓒ 重冲击负载，允许惯性加速系数 fa≤10

Uniform, permitted mass acceleration fact or fa≤0.2

Moderate shock load permitted mass acceleration factor fa≤3

Heavy shock load,permitted mass acceleration factor fa≤10

负载类型:

Oadclassifications:

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。

Screw feeders for light materialsfans.assembly lines conveyor belts for light materialssmall mixers.lifts,cleaning machines, fillerscontrol machines.

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。

Winding devices woodworking machine feeders,goods lifts. balancers threading machines medium mixers. conveyor belts for heavy materialswinches.sliding doors fertilizer scraperspacking machinesconcrete mixers,cranemechanisms,milling cutters. folding machines gear pumps.

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。

Mixers for heavy materials, shears presses,centrifuges,rotating supports, winches and lifts forheavy materials,grinding lathes, stone mills,bucket elevators,drilling machines,hammer mills cam pressesfolding machines turntablestumbling barrelsvibrators. shredders.

17.5.2 惯性加速系数/ Mass acceleration factor

惯性加速系数计算如下:

The mass acceleration factor is calculated as follcws:

$$fa = \frac{Jc}{Jm}$$

fa 惯性加速系数
fa Mass acceleration factor
Jc 所有外部传动惯量(kgm2)
Jc Allexternal mass moments ofinertia(kgm)
Jm 驱动电机的传动惯量(kgm2)
Jm Mass moment ofinertia on the motorend(kgm)If
如果惯性加速系数fa>10，请与我们技术部联系。
Mass acceleration factors fa>10please callour technical service.

为了保持减速器的使用寿命，从产品样本中时性能参数表所选择的使用系数fs应等于或略高于计算出的使用系数fs。
To keep the service-life of gear units,the use factor fs selected from the catalogue must be equalor slightly higher than the calculted use factor fs.

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fs=1.48。
Mass acceleration factor2.5(loadelassification)14 hours/dayoperatingtime(readoffat16h/d)and200 cycles/hour result in a service factorfs=1.48.

根据性能参数表所选择的使用系数fs 1.48。
Choose the service factor fs=1.48 àccording to the parameter sheet.

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

在确定影响径问载荷时，必须考虑安装在轴端上的传动件类型，不同类型的传动件的传动附加系数fz列表如下:
When determining the resulting radial loads.the type of transmission elementsmounted on thaft end must be considered.Various transmisson elements are corresponding ith following transmission element factors f:

传动件 Transmission element	传动附加系数Fz Transmission element factor Fz	注塑 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 NarrowV-beltpulleys	1.75	有预紧力作用Influence ofthe tensile force
平带轮 Flat belt pulleys	2.50	有预紧力作用Influence ofthe tensile force
齿带轮 Toothed belt puilleys	2.50	有预紧力作用Influence ofthetensile 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:

$$Fr=\frac{M\cdot 2000\cdot fz}{do}\ [N]$$

Fr 作用在轴上的载荷[N]
Fr Resulting radial load[N]
M 作用在轴上的扭矩[Nm]
M Torque on the shaft [Nm]
do 安装在轴上传动件的平均直径[mm]
do Mean diameter ofthe mounted transmission element in[mm]
fz 传动附加系数
fz Transmission element factor

许用径向载荷是根据轴承额定使用寿命L10h来估算的(根据ISO281)，对于特殊的运行条件，许用径向载荷是根据修正使用寿命Lna来确定。
The basis for determining the permittedradial loads is the computation of the rated service life L10h of the bearings(according toIS0281)For special operatingconditions,the permitted radlar loads can be determined with regard to themodired service life Lna.

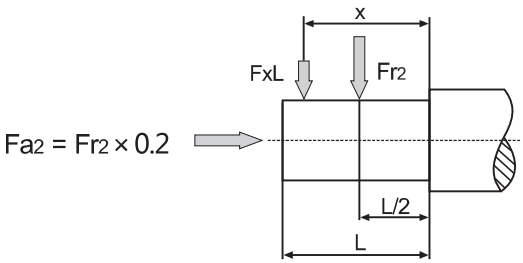
当作用点偏离出轴中点时，许用径向载荷须按以下公式来计算，取在X点的许可数值FXL（根据轴承的使用寿命）
The permitted radial loads given in the selection tables must be calculated using the followingformula in the event of force application not in the center ofthe shaft end.The smaller of the two values Fxl (according to bearing service life)

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

$$FXL = Fr(1.2) + \frac{a}{b+x} [N]$$

Fr1.Fr2 =性能参数表中的许用径向载荷(x=L/2)[N]
$F_{r1}.F_{r2}$ =Permitted overhung load(x=L/2)for foot-mounted gear units according to he selec-tion tables in[N]
X =从轴肩到受力点的距离[mm]
x =Distance from the shaft shoulder to the force application point in[mm]
a,b =减速器径向转化常量[mm]
a,b =Gear unit constant for overhung load conversion[mm]

输出轴径向载荷/Outputshaftsradialloads

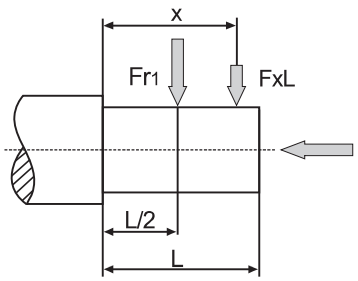


Fxl =在某位置上的径向载荷
Output shaft radialload on somewhere
Fa_2=输出轴向载荷 Output axial loads

SJKM减速器径向转化常量/Gearunitconstantsforoverhungloadconversion:

	KM50B	KM50C	KM38B	KM38C	KM75B	KM75C	KM90B	KM90C	KM90B	KM90C
a	104	104	118	118	131	131	159	159	174	174
b	78	78	93	93	101	101	199	199	134	134

输入轴径向载荷 Input shafts radial loads



$Fa_1 = Fr_1 \times 0.2$

Fa_1=输入轴向载荷 Input axial loads

输入结构
Narrow V-bolt pulleys V带轮
Flat belt pulleys 平带轮
Toothed belt pulleys 齿带轮

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).

SJKM减速器径向转化常量/Gear unit constantsfor overhung load conversion:

	KM50B	KM50C	KM38B	KM38C	KM75B	KM75C	KM90B	KM90C	KM90B	KM90C
a	51.5	56	58	56	73	70	81	70	101	87
b	40	44.5	43	44.5	53	55	61	55	76	67

选型举例/SELECTIONEXAMPLE

17.7.1 减速电机/Gear motor

例:被驱动设备所需功率0.25kw，工作8小时/天，中等冲击，启动频率100次/小时，输出转速n2-35r/min减速机要求B3安装，则: 查P7使用系数图表即可选使用系数fs-1.3

Example: Required power 0.25kWon driven machinework for 8 h/day, moderate shock load, start up frequency 100(1/h)n2-35r/min.B3 mounted. So:
Check the service factor table at page 7choose fs=1.3

$$Ii=\frac{n1}{n2}=\frac{1400}{35}=40$$

$$P1n\geq P1\cdot fs=\frac{P2}{\eta}\cdot fs\ \frac{0.25}{0.94}\ x1.3=0.345[kW]$$

查KM系列性能参数表可确定减速电机型号为:
Choose type:

SJKM50B-40.09-0.37-4-B3

17.7.2 减速器/Gear units

例:被驱动设备所需扭矩为200Nm，工作8小时/天，均匀冲击负载，启动频率400次/小时，，减速机要求 FA1法兰安装，减速器要求输入转速900r/min，输出转速n2-6r/min，查性能参数表可知，只选能三级传动形式。

Example: Recluired torque 200Nn on driven machine，work 8 h/dayuniform loadstartupfrequency400(1/h)
FA1mounted.n1=900r/min.n2-2.5 r/minso the only selection is 3 stage after checked the table:

查P7使用系数图表即可选使用系数fs=1.05
Check the service factor table at page 7, choose fs=1.05

$$Ii=\frac{n1}{n2}=\frac{900}{6}=150 \qquad M2n\geq M2fs=200x1.05=210[Nm]$$

$$P1n\geq P1\cdot fs=\frac{M2\cdot n1}{9550\cdot\eta\cdot i}\cdot f=\frac{210x900}{9550x0.92x150}\ X1.05=0.151[kW]$$

查KM系列性能参数表可确定减速型号为:
Choose type:

SJKM75C-15120-FA1

17.8 旋转方向/Direction of rotation

减速机在使用时，电机可正反转输入使用;推荐使用左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 whileusing with gearbox,the left chart is recommended

润滑油 | LUBRICATON

17.9.1 润滑油型号 / Types of lubrication

	°C -50 0 +50 +100	ISO	SHELL	Mobil MOBIL	bp BP	润滑油类型 lubrication type
标准 Stadard	-10 +40	VG 220	Shell Omala S2 G220	Mobilgear 600 XP 220	BP Energol GR-XP 220	矿物油 Mineral oil
	-20 +25	VG 150 VG 150	Shell Omala S2 G100	Mobilgear 600 XP 1000	BP Energol GR-XP 100	
	-30 +10	VG 68-46 VG 32	Shell Omala S2 G32	Mobil ExcelTM32		
	-40 +20	VG 22 VG 15	Shell Omala S2 G15	Mobil ExcelTM15	BP Energol HLP-HM 15	
	-40 +80	VG 220	Shell Omala S2 G220	Mobil SHC 630		合成油 Synthetic oil
	-40 +40	VG 150	Shell Omala S2 G150	Mobil SHC 629		
	-40 +10	VG 32	Shell Omala S4ATF HDX	Mobil SHC 624		

17.9.2 润滑油加注量/Lubricant fill quantity

规定的加注量为参考值，精确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洞滑剂，下表中列出了不同安装方式(B3B6.B7)的减速器相应的标准参考润清油注入量值。

The specified fill quantities are recom-mended 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 capac-ityThe following tables show guide values for lubricant fill quantities in relation to the mounting position(B3,B6,B7).

减速选型表/GEAR UNIT SELECTION TABLES

18.1 减速器组合表/ Possible geometrical combinations

SJKM50..减速机组合表(n1=1400r/min)
SJKM50..Possible geometrical combinations(n1=1400r/min)

减速机型号 Gear units	I 公称Nomial	I 实际 Actual	n2 [r/min]	M2max [Nm]	Fr_2[N]	63B5	71B5 71B14	80B5 80B14	90B5 90B14
3级 /Stage									
KM50C	300	294.04	4.8	130	4100				
KM50C	250	244.29	5.8	130	4100				
KM50C	200	200.44	7.0	130	4100				
KM50C	150	146.67	9.6	160	4000				
KM50C	125	120.34	12	160	3770				
KM50C	100	99.41	14	160	3560				
KM50C	90	91.48	15.5	160	3330				
KM50C	75	74.62	19	160	3220				
2级 /Stage									
KM50B	60	58.81	24	130	2960				
KM50B	50	48.86	29	130	2790				
KM50B	40	40.09	35	130	2610				
KM50B	30	30.54	48	160	2350				
KM50B	25	24.86	59	160	2200				
KM50B	20	19.88	70	160	2080				
KM50B	15	14.92	94	160	1880				
KM50B	12.5	12.47	113	160	1770				
KM50B	10	10.30	134	160	1670				
KM50B	7.5	7.73	182	160	1510				

SJKM63..减速机组合表(n=1400r/min)
SJKM63..Possible geometrical combinations(n=1400r/min)

减速机型号 Gear units	I 公称Nomial	I 实际 Actual	n2 [r/min]	M2max [Nm]	Fr_2[N]	63B5	71B5 71B14	80B5 80B14	90B5 90B14
3级 /Stage									
KM63C	300	302.5	4.7	160	4800				
KM63C	250	243.57	5.8	160	4800				
KM63C	200	196.43	7.2	160	4800				
KM63C	150	151.56	9.3	180	4650				
KM63C	125	122.22	12	180	4330				
KM63C	100	101.27	14	180	4070				
KM63C	90	91.25	16	180	3920				
KM63C	75	73.33	20	180	3650				
2级 /Stage									
KM63B	60	60.50	24	160	3430				
KM36B	50	48.71	29	160	3190				
KM63B	40	39.29	36	160	2970				
KM63B	30	30.31	47	180	2720				
KM63B	25	24.44	58	180	2530				
KM63B	20	20.25	70	180	2380				
KM63B	15	15.71	96	180	2130				
KM63B	12.5	12.67	111	180	2030				
KM63B	10	10.50	134	180	1910				
KM63B	7.5	7.60	185	180	1710				

减速选型表/GEAR UNIT SELECTION TABLES

18.2 减速器组合表/ Possible geometrical combinations

SJKM75..减速机组合表(n1=1400r/min)

SJKM75..Possible geometrical combinations(n1=1400r/min) 350Nm

减速机型号 Gear units	I 公称Nomial	I 实际 Actual	n2 [r/min]	M2max [Nm]	Fr2[N]	63B5	71B5 71B14	80B5 80B14	90B5 90B14	100B5 100B14	112B5 112B14
3级 /Stage											
KM75C	300	297.21	4.7	350	6500						
KM75C	250	240.89	5.8	350	6500						
KM75C	200	200.66	7.0	300	6500						
KM75C	150	151.20	9.3	350	6360						
KM75C	125	121.02	11.6	300	5980						
KM75C	100	100.81	14	240	5520						
KM75C	75	79.41	17.7	200	5040						
2级 /Stage											
KM75B	60	59.44	27.8	350	4660						
KM75B	50	48.18	29	350	4340						
KM75B	40	40.13	34.9	300	4080						
KM75B	30	29.86	46.9	350	3720						
KM75B	25	24.20	57.9	300	3500						
KM75B	20	20.16	69.4	240	3230						
KM75B	15	15.88	88.2	200	2950						
KM75B	12.5	12.49	112	300	2770						
KM75B	10	9.84	142.3	240	2550						
KM75B	7.5	7.48	187.2	200	2330						

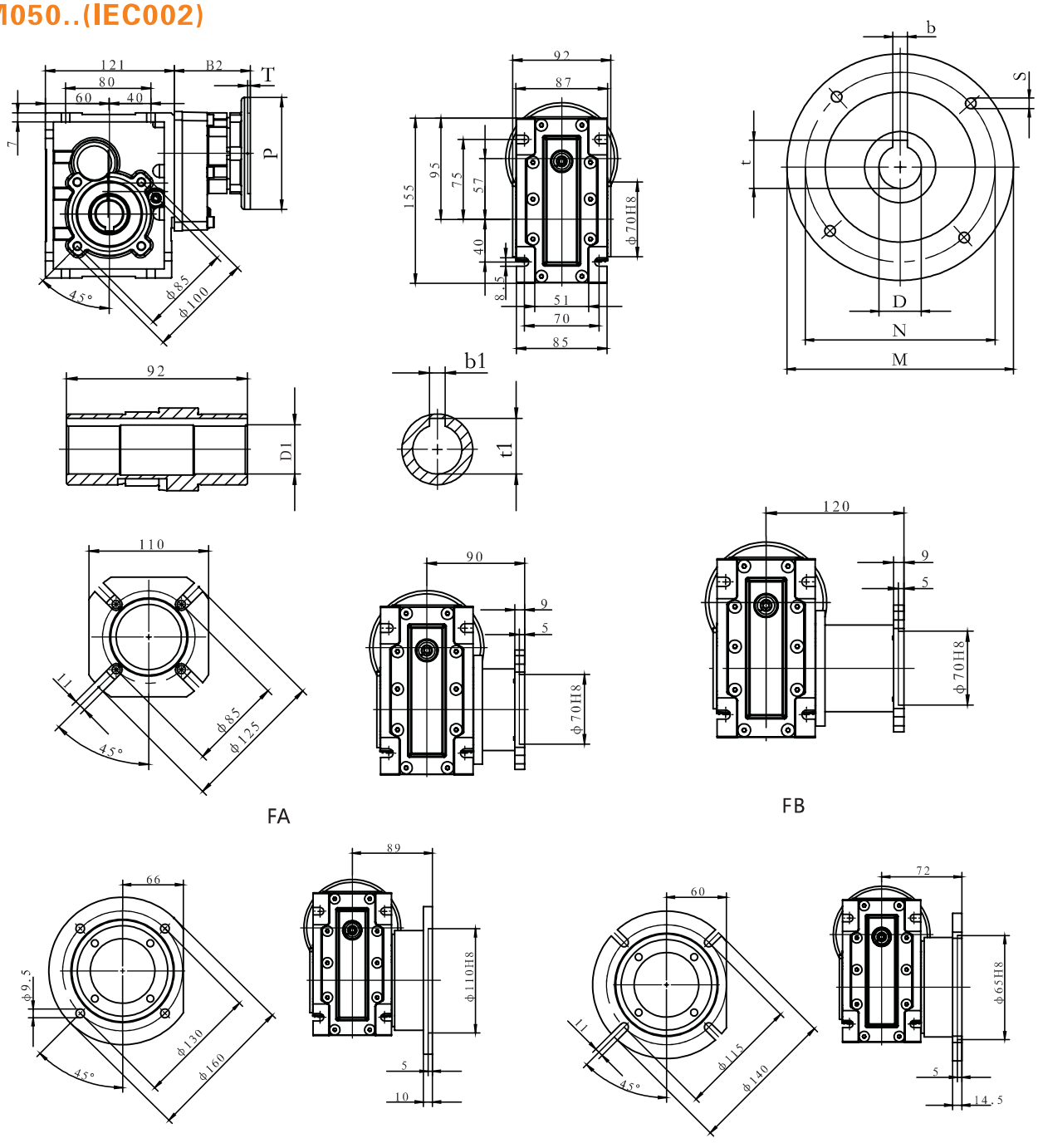
SJKM90..减速机组合表(n=1400r/min)

SJKM90..Possible geometrical combinations(n=1400r/min) 500Nm

减速机型号 Gear units	I 公称Nomial	I 实际 Actual	n2 [r/min]	M2max [Nm]	Fr2[N]	63B5	71B5 71B14	80B5 80B14	90B5 90B14	100B5 100B14	112B5 112B14
3级 /Stage											
KM90C	300	295.18	4.7	500	8300						
KM90C	250	240.89	5.8	500	8300						
KM90C	200	200.66	7.0	480	8300						
KM90C	150	151.20	9.3	500	8050						
KM90C	125	125.95	11.1	480	7580						
KM90C	100	99.22	14.1	380	7000						
KM90C	75	75.45	18.5	300	6390						
2级 /Stage											
KM90B	60	59.04	23.7	500	5890						
KM90B	50	48.18	29.0	500	5500						
KM90B	40	40.13	34.9	480	5170						
KM90B	30	30.24	46.3	500	4710						
KM90B	25	25.19	55.6	480	4430						
KM90B	20	19.84	70.56	380	4090						
KM90B	15	14.99	93.3	300	3730						
KM90B	12.5	12.49	112	480	3510						
KM90B	10	9.84	142.3	380	3240						
KM90B	7.5	7.48	187.2	300	2950						

外形尺寸图表/OUTLINE DIMENSION SHEET

19.1 KM(IEC)WAI/Outline Dimension
KM050..(IEC002)



IEC	De8	b	t	p	M	N	S	T	B2
63B5	11	4	12.8	140	151	95	9	4	45
71B5	14	5	16.3	160	130	110	9	4	52
71B14	14	5	16.3	105	85	70	7	4	52
80B5	19	6	21.8	200	165	130	11	4	72
80B14	19	6	21.8	120	100	80	7	4	72
90B5	24	8	27.3	200	165	130	11	4	72
90B14	24	8	27.3	140	115	95	9	4	72

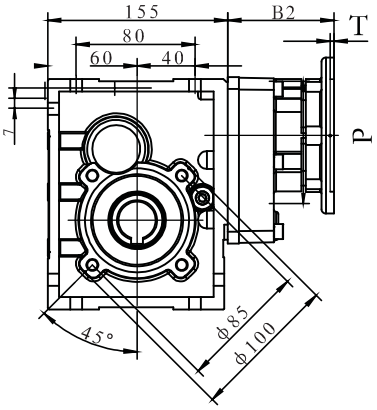
D1 H8	b1	t1
20*	6	22.8
24*	8	27.3
25	8	28.3

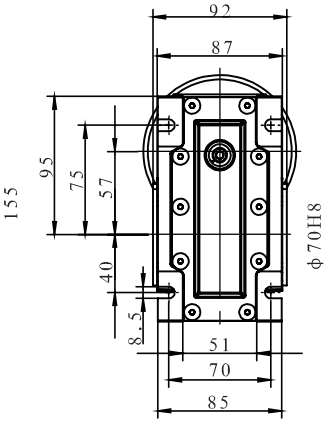
*非标孔，
订单时请说明。
*Only on request

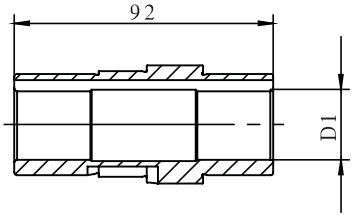
KM	Kg(重量)
50B	4.2

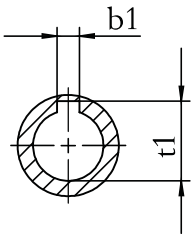
不包括马达
Weight without motor

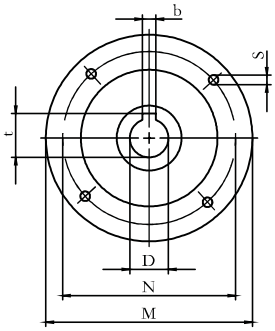
KM050..(IEC)

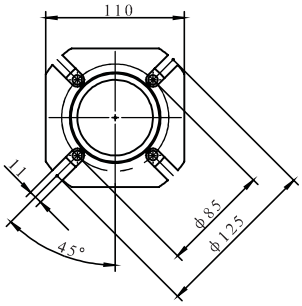


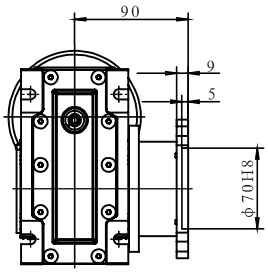












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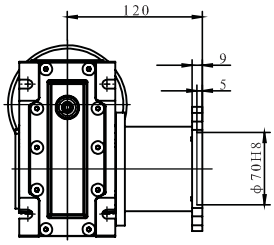

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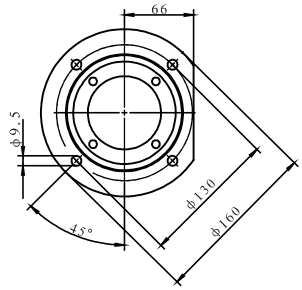

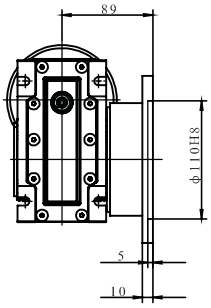

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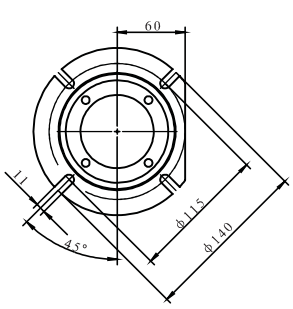
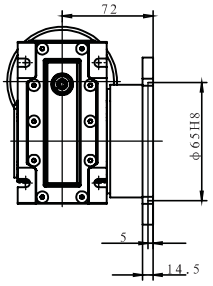




FD

IEC	De8	b	t	P	M	N	S	T	B2
63B5	11	4	12.8	140	151	95	9	4	45
71B5	14	5	16.3	160	130	110	9	4	52
71B14	14	5	16.3	105	85	70	7	4	52

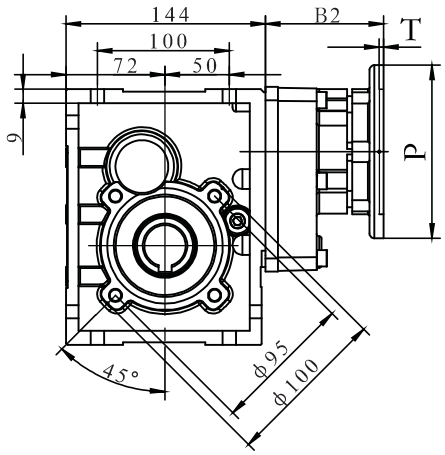
D1 H8	b1	t1
20*	6	22.8
24*	8	27.3
25	8	28.3

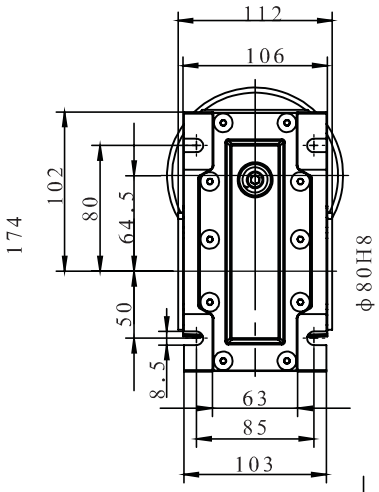
*非标孔，
订单时请说明。
*Only on request

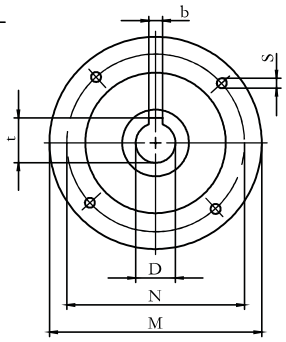
KM	Kg(重量)
50C	5

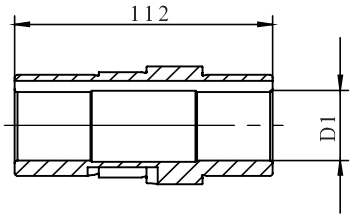
不包括马达
Weight without motor

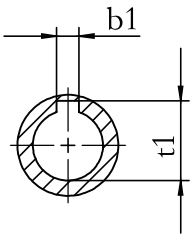
KM063..(IEC)

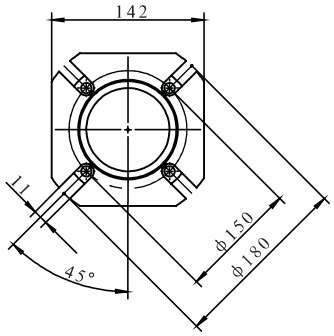


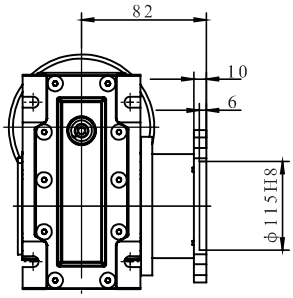












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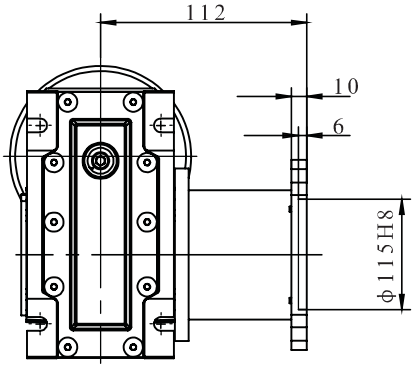

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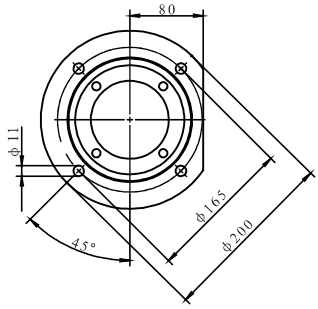

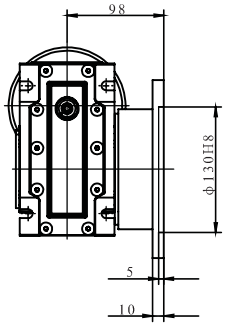

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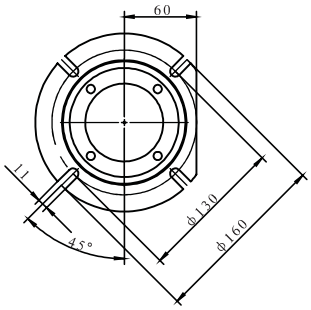
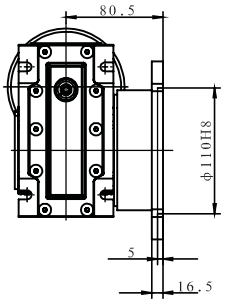




FD

IEC	De8	b	t	p	M	N	S	T	B2
63B5	11	4	12.8	140	151	95	9	4	45
71B5	14	5	16.3	160	130	110	9	4	52
71B14	14	5	16.3	105	85	70	7	4	52
80B5	19	6	21.8	200	165	130	11	4	72
80B14	19	6	21.8	120	100	80	7	4	72
90B5	24	8	27.3	200	165	130	11	4	72
90B14	24	8	27.3	140	115	95	9	4	72

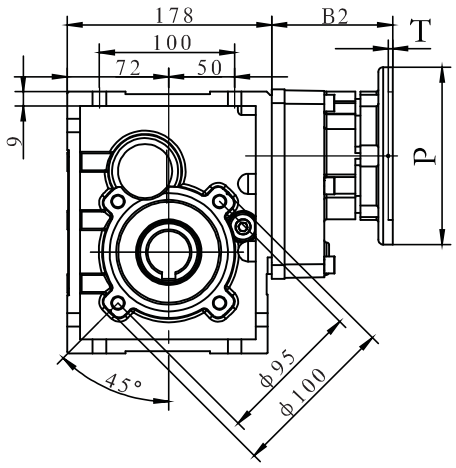
D1 H8	b1	t1
25	8	28.3
28*	8	31.3

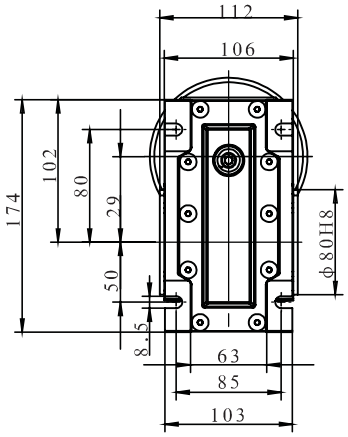
*非标孔，
订单时请说明。
*Only on request

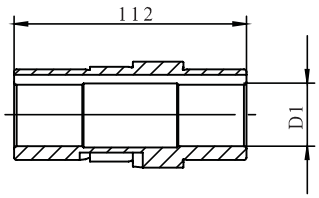
KM	Kg(重量)
63B	6.0

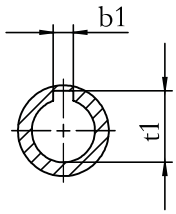
不包括马达
Weight without motor

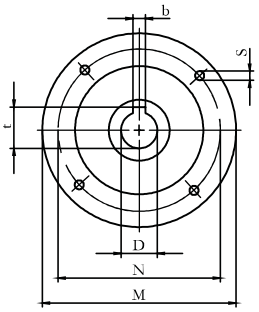
KM063..(IEC)

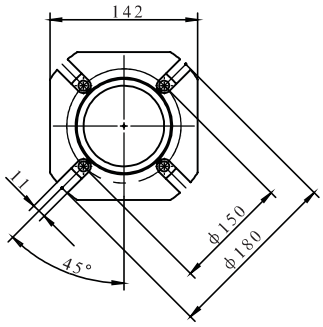


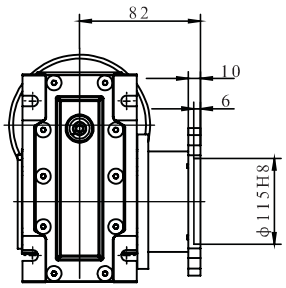












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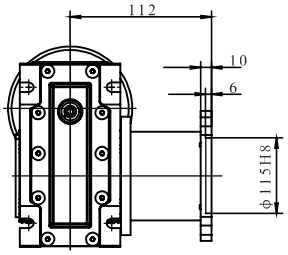

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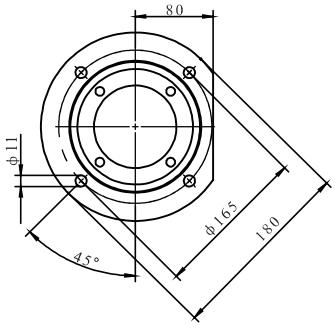

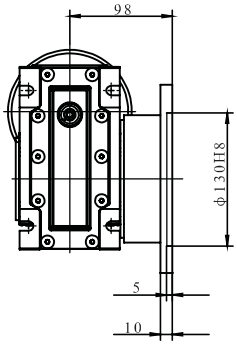

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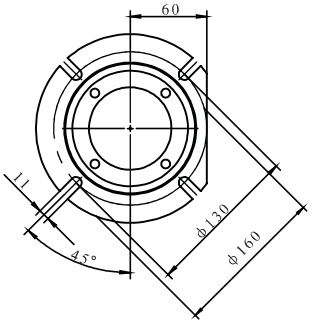
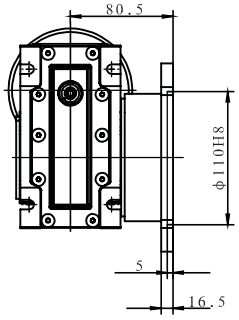




FD

IEC	De8	b	t	P	M	N	S	T	B2
63B5	11	4	12.8	140	115	95	9	4	52
71B5	14	5	16.3	160	130	110	9	4	59
71B14	19	9	21.8	200	165	130	11	4	79
80B5	19	6	21.8	120	100	80	7	4	79
80B14	24	8	27.3	200	165	130	11	4	79
90B5	24	8	27.3	140	115	95	9	4	79

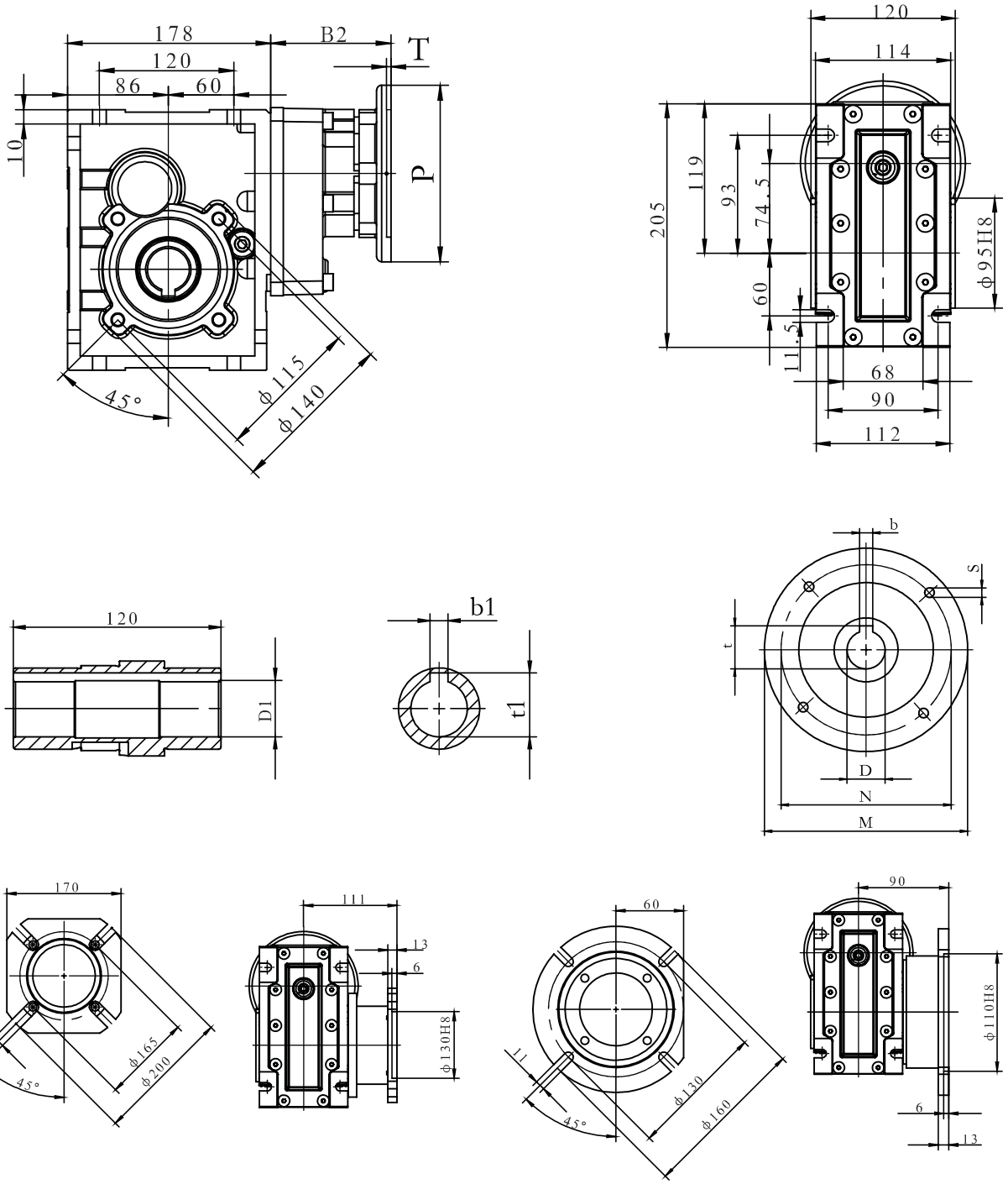
D1 H8	b1	t1
25	8	28.3
28	8	31.3

*非标孔，
订单时请说明。
*Only on request

KM	Kg (重量)
63C	7

不包括马达
Weight without motor

KM075..(IEC)



FA

IEC	De8	b	t	P	M	N	S	T	B2
71B5	14	5	16.3	160	130	110	9	4	59
80B5	19	6	21.8	200	165	130	11	4	79
80B14	19	6	21.8	120	100	80	7	4	79
90B5	24	8	27.3	200	165	130	11	4	79
90B14	24	8	27.3	140	115	95	9	4	79
100/112B5	28	8	31.3	250	215	180	13.5	4.5	89
100/112B14	28	8	31.3	160	130	110	9	4.5	89

FB

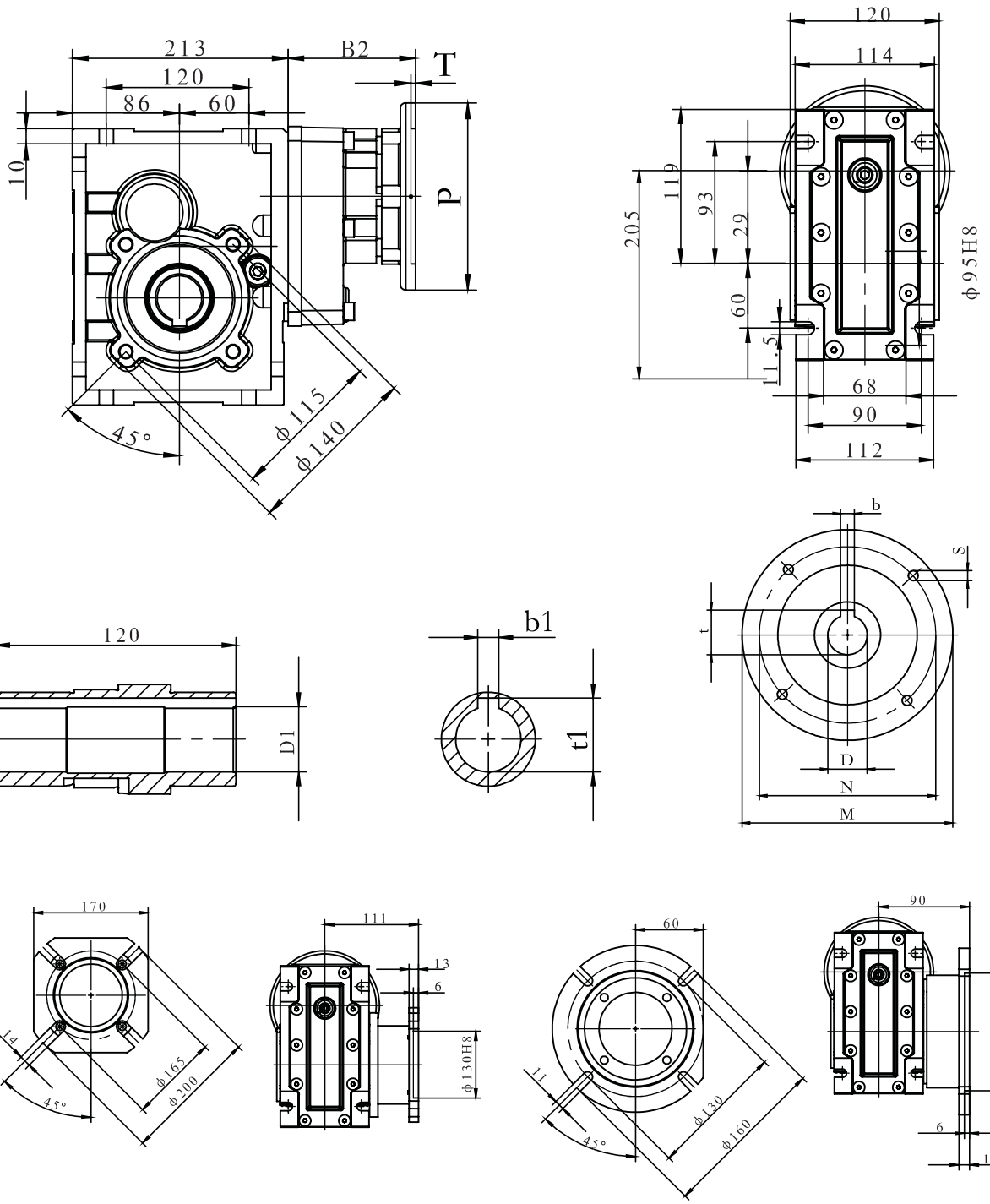
D1 H8	b1	t1
28	8	31.3
30*	8	33.3
35*	10	38.3

*非标孔，
订单时请说明。
*Only on request

KM	Kg (重量)
75B	9.2

不包括马达
Weight without motor

KM075..(IEC)



FA FB

IEC	De8	b	t	P	M	N	S	T	B2
63B5	11	4	12.8	140	115	95	9	4	52
71B5	14	5	16.3	160	130	110	9	4	59
80B5	19	6	21.8	200	165	130	11	4	79
80B14	19	6	21.8	120	100	80	7	4	79
90B5	24	8	27.3	200	165	130	11	4	79
90B14	24	8	27.3	140	115	95	9	4	79

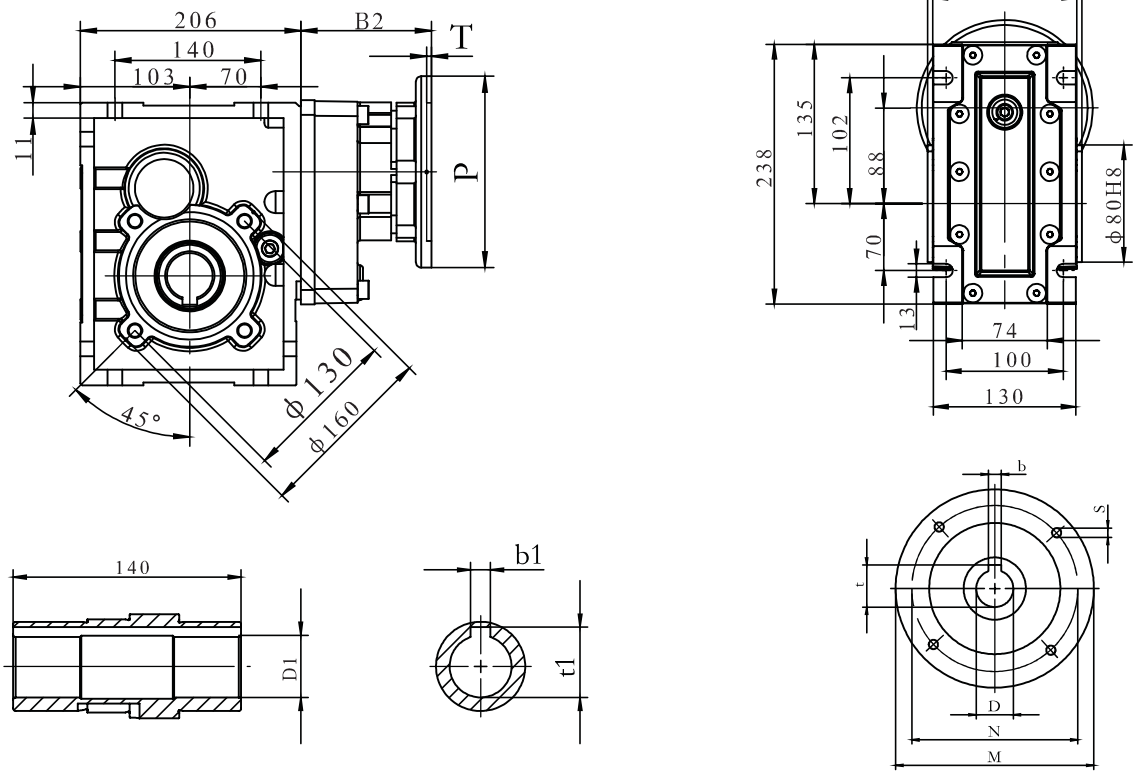
D1 H8	b1	t1
28	8	31.3
30*	8	33.3
35*	10	38.3

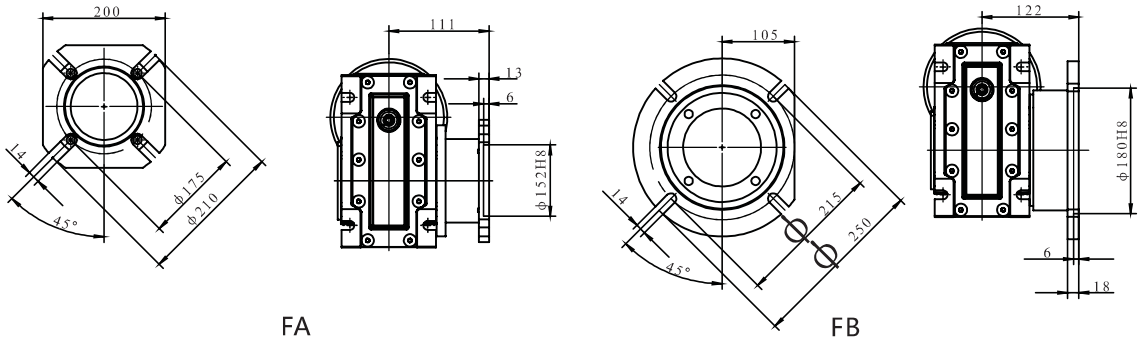
*非标孔，
订单时请说明。
*Only on request

KM	Kg (重量)
75C	10.8

不包括马达
Weight without motor

KM090..(IEC)





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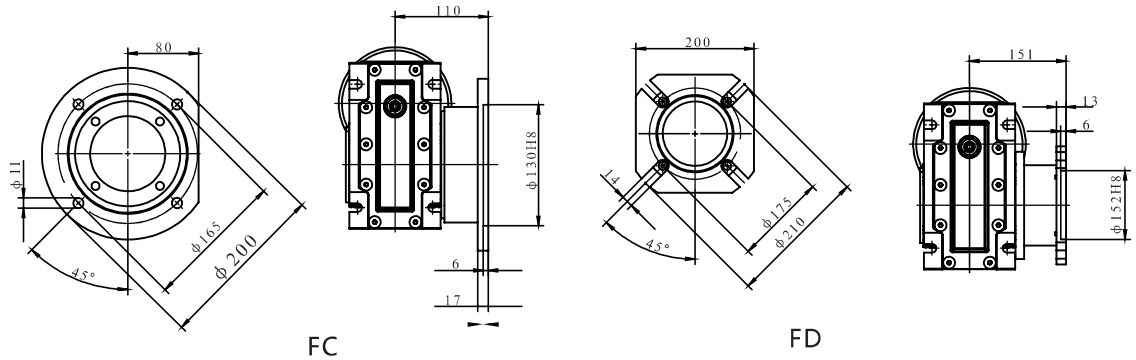


FC FD

IEC	De8	b	t	p	M	N	S	T	B2
71B5	14	5	16.3	160	130	110	9	4	59
80B5	19	5	21.8	200	165	130	11	4	79
80B14	19	6	21.8	120	100	80	7	4	79
90B5	24	6	21.8	200	165	130	11	4	79
90B14	24	8	27.3	140	115	95	9	4	79
100/112B5	28	8	31.3	250	215	180	13.5	4.5	89
100/112B14	28	8	31.3	160	130	110	9	4.5	89

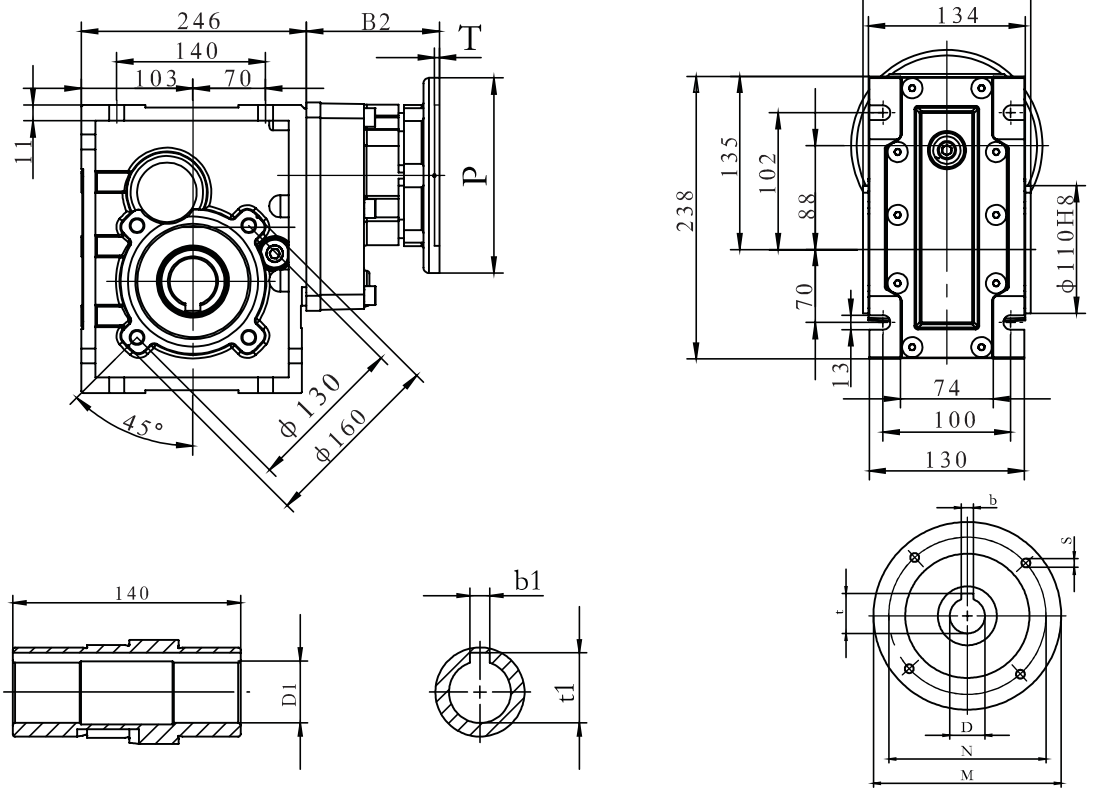
D1 H8	b1	t1
35	10	38.3
30*	10	41.3

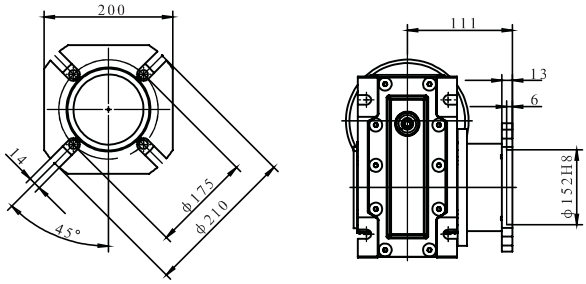
*非标孔，
订单时请说明。
*Only on request

KM	Kg (重量)
90B	13.3

不包括马达
Weight without motor

KM090..(IEC)





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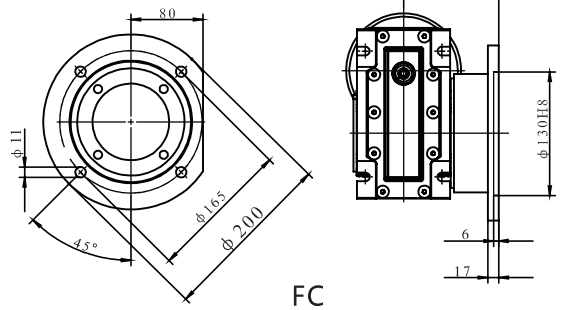


FC FD

IEC	De8	b	t	p	M	N	S	T	B2
63B5	11	4	12.8	140	115	95	9	4	52
71B5	14	5	16.3	160	130	110	9	4	59
80B5	19	5	21.8	200	165	130	11	4	79
80B14	19	6	21.8	120	100	80	7	4	79
90B5	24	6	21.8	200	165	130	11	4	79
90B14	24	8	27.3	140	115	95	9	4	79

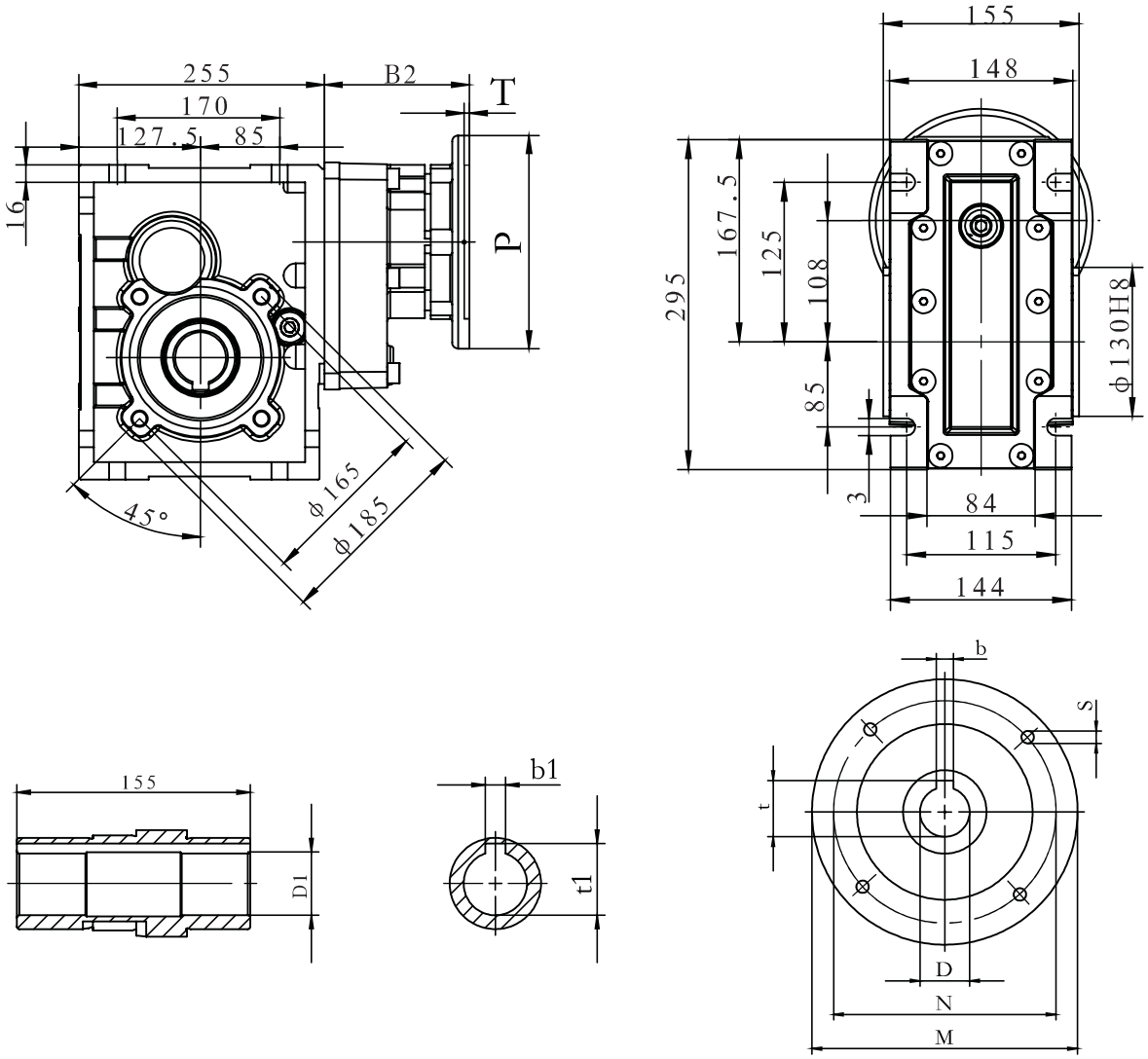
D1 H8	b1	t1
35	10	38.3
38*	10	41.3

*非标孔，
订单时请说明。
*Only on request

KM	Kg (重量)
90C	14.8

不包括马达
Weight without motor

KM110..(IEC)



FA

IEC	De8	b	t	p	M	N	S	T	B2
71B5	14	5	16.3	160	130	110	9	4	62
80B5	19	6	21.8	200	165	130	11	4	72
90B5	24	8	27.3	200	165	130	11	4	82
100/112B5	28	8	31.3	250	215	180	13.5	4.5	97
100/112B14	28	8	31.3	160	130	110	9	4.5	97
132B5	38	10	41.3	300	265	230	14	4.5	120

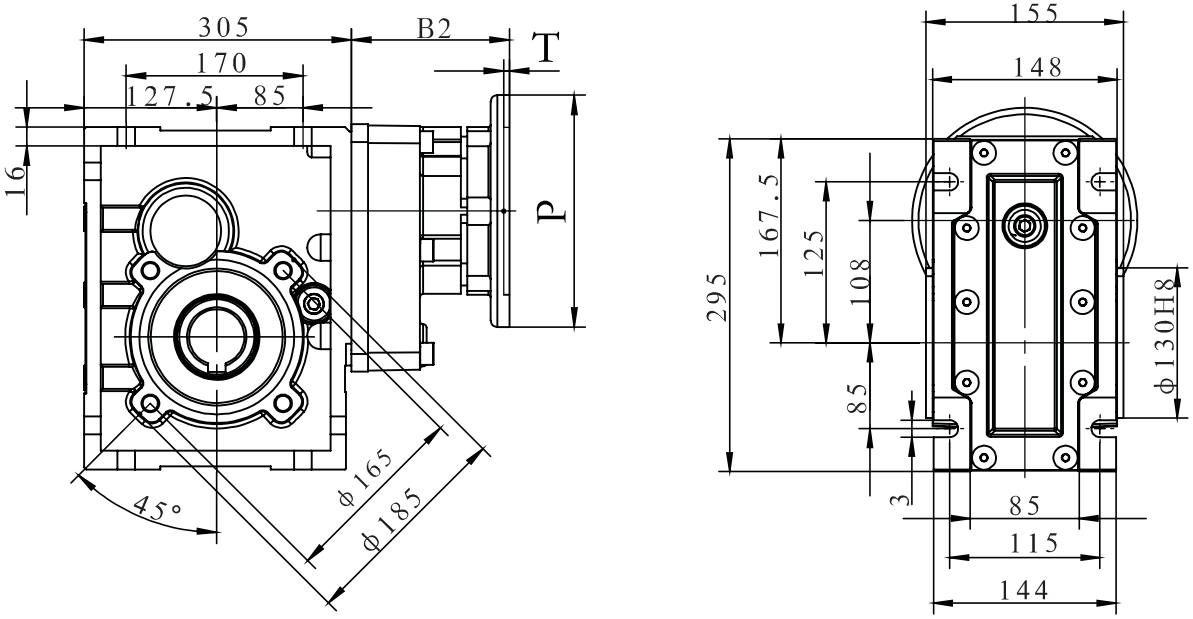
D1 H8	b1	t1
40*	12	43.3
42	12	45.3

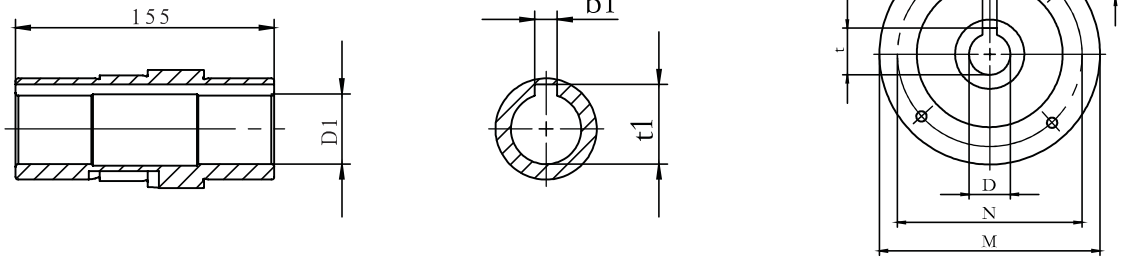
*非标孔，
订单时请说明。
*Only on request

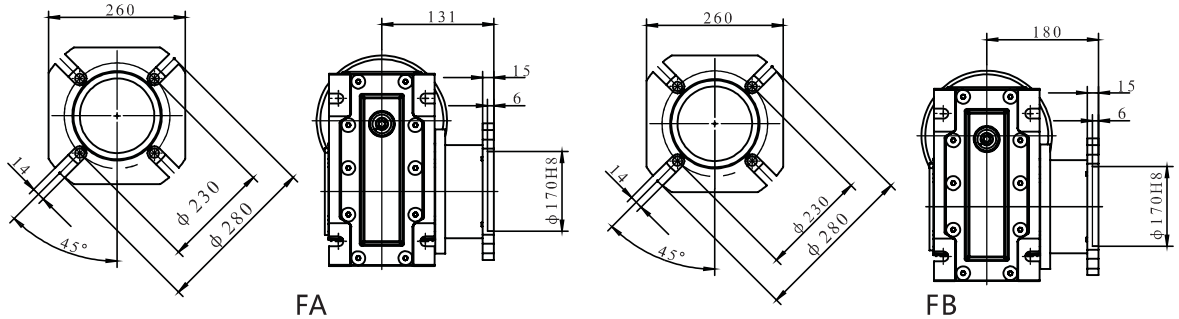
KM	Kg (重量)
110B	21.5

不包括马达
Weight without motor

KM110..(IEC)







FA FB

IEC	De8	b	t	P	M	N	S	T	B2
71B5	14	5	16.3	160	130	110	9	4	62
80B5	19	6	21.8	200	165	130	11	4	72
90B5	24	8	27.3	200	165	130	11	4	82
100/112B5	28	8	31.3	250	215	180	13.5	4.5	97
100/112B14	28	8	31.3	160	130	110	9	4.5	97
132B5	38	10	41.3	300	265	230	14	4.5	120

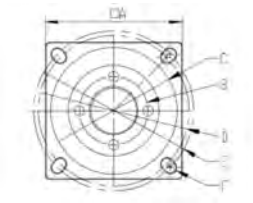
D1 H8	b1	t1
40*	12	43.3
42	12	45.3

*非标孔，
订单时请说明。
*Only on request

KM	Kg (重量)
110C	23.5

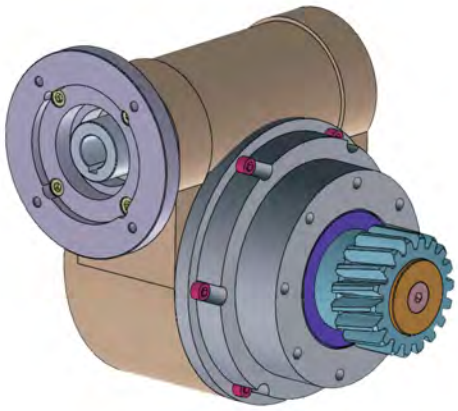
不包括马达
Weight without motor

19.2 KM050-110输入方法兰尺寸表/Size of Input Square Flange in 050-110

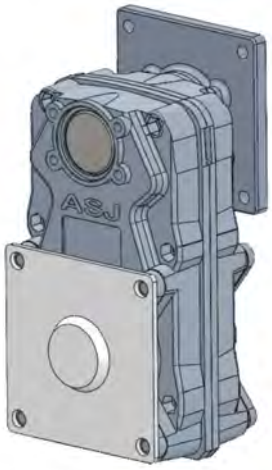


减速机型号 Gearbox Size	法兰规格 Flange size	A	B	C	D	E	F
KM050	80*80	80	65	60	90	94	6.6
	80*80	80	65	70	90	94	6.6
	85*85	85	65	60	90	98	6.6
	85*85	85	65	70	90	98	6.6
	90*90	90	65	83	102	106	6.6
	104*104	104	65	94	115	120	8.8
	104*104	104	65	95	115	120	8.8
	110*110	110	65	85	125	131	8.8
	112*112	112	65	85	125	131	8.8
	112*112	112	65	95	125	131	8.8
	130*130	130	65	100	125	140	8.8
	130*130	130	65	110	125	140	8.8
KM063	85*85	85	75	73	90	98	6.6
	85*85	85	75	80	90	98	6.6
	110*110	110	75	85	125	131	8.8
	112*112	112	75	85	125	131	8.8
	112*112	112	75	95	125	131	8.8
	130*130	130	75	100	125	140	8.8
	130*130	130	75	110	125	140	8.8
KM075 KM090	85*85	85	82	73	90	98	6.6
	85*85	85	82	80	90	98	6.6
	110*110	110	82	85	125	131	8.8
	110*110	110	82	92	125	131	8.8
	130*130	130	82	100	125	140	8.8
	130*130	130	82	110	125	140	8.8

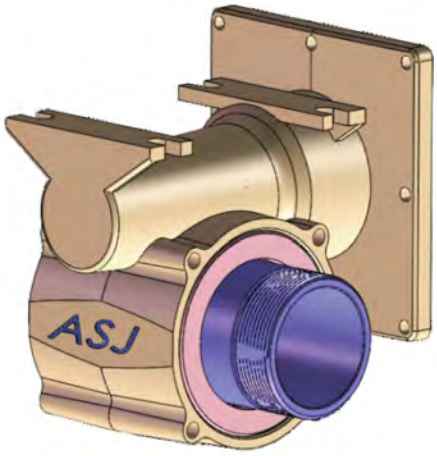
产品展示/PRODUCT DOSIPAY



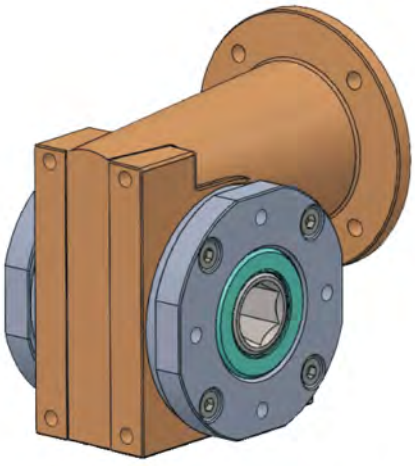
ZRV079



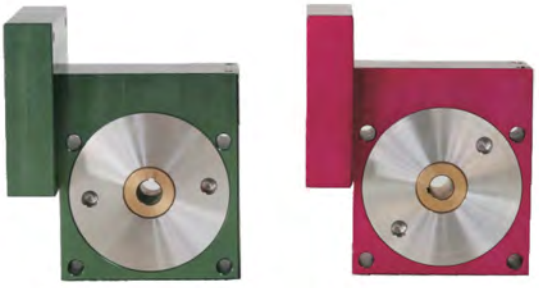
FGV105



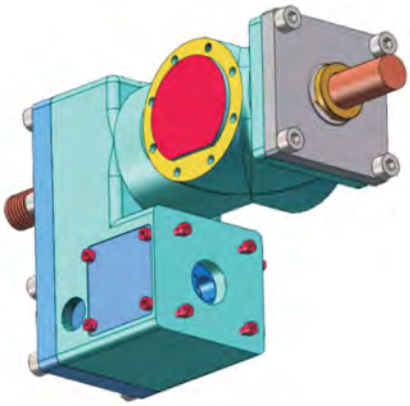
HFRV050



FRV035



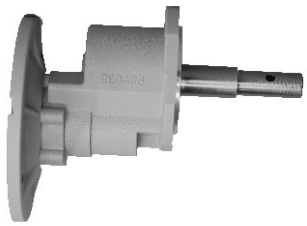
VRV030



SGV105


ASJ

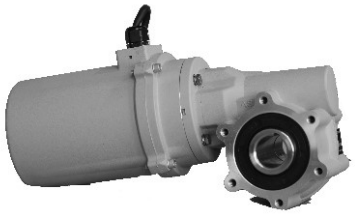
21项目产品预览/21 Project Product Preview



PGV035 Series Reducer	
Application Industry	Livestock and feed industries
Product description	The PGV035 series is mainly used for various animal husbandry and breeding equipment in animal husbandry. It adopts a combination of single stage helical gears and AC motors, with low cost and efficiencyHigh rate, with extremely high cost-effectiveness, canCustomizing different connecting rulers according to customer needsinch

PGV035 系列 减速器	
应用工业	畜牧业、饲料行业
产品说明	PGV035系列主要用于畜牧业各种畜牧、饲养设备，采率高，具有极高的性价比，可以按客户需求客户定制不同连接尺寸

22项目产品预览/22 Project Product Preview



XRV Series Reducer	
Application Industry	Car washing machine industry
Product description	Center distance 50, speed ratio 5-100, single stage worm gear transmission, worm 304 stainless steel material, box made of A44300 corrosion-resistant aviation aluminum, with strong rust and corrosion resistance, and higher overall strength

XRV系列 减速机	
应用工业	洗车机行业
产品说明	中心距50，速比5~100，单级蜗轮蜗杆传动，蜗论304不锈钢材质，箱体为A44300耐腐蚀航空铝，耐锈耐腐蚀能力强，整机强度更高

23项目产品预览/23 Project Product Preview

VRV040 Series Series reducer	
Application Industry	High precision industries such as healthcare and lithium batteries
Product description	The overall structure is similar to the SJMFV series, but the overall appearance is more compact, the volume is smaller, and the application range is wider

VRV040 系列 输送线体	
应用工业	医疗、锂电池等高精度行业
产品说明	整体结构类似于SJMFV系列，但整体外形更加紧凑，体积更小，适用范围更广

24项目产品预览/24 Project Product Preview

SRV086Series	Worm gear reducer
Application Industry	Forklift parts industry
Product description	Internally, there is a set of worm gear and worm drive, and the exposed part is a spline gear with a fully cast iron box, which has a high output torqueCapable of carrying high torque and low rotational speed

SRV086系列	涡轮蜗杆减速机
应用工业	叉车配件行业
产品说明	内部为一组蜗轮蜗杆传动，外露部分为花键齿轮，全铸铁箱体，输出扭矩大可承载扭矩大，转速较低

25项目产品预览/25 Project Product Preview

SRV138 Series	Worm gear reducer
Application Industry	Sawing machine industry
Product description	The main structure is a worm gear and worm drive, and the box body can be customized according to customer requirements to carry large torque, with small rotational backlash and high precision

SRV138系列	涡轮蜗杆减速机
应用工业	锯床行业
产品说明	主要结构为蜗轮蜗杆传动，箱体根据客户要求定制可承载较大扭矩，且回转侧隙较小，精密度较高

26项目产品预览/26 Project Product Preview

HRV104 Series	Worm gear reducer
Application Industry	Glass ceramic equipment industry
Product description	Integrated all cast iron shell with air/water cooling channels, capable of operating in extreme ambient temperatures ranging from -30 to 180 ℃Stable operation, stable cooling, high temperature resistance, stable operation with low noise.

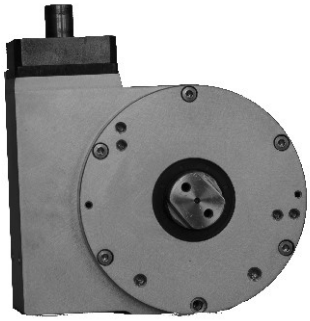
HRV104系列	涡轮蜗杆减速机
应用工业	玻璃陶瓷设备行业
产品说明	一体式全铸铁壳体，附带空冷/水冷通道，可在-30~180℃极端环境温度下稳定运行，稳定冷却耐高温，运转平稳低噪音。

27项目产品预览/27 Project Product Preview

ZRV040 Series Reducer	
Application Industry	Equipment industry
Product description	Composed of a single stage worm gear with a center distance of 40 and a cast iron casing, it can withstand large torque and axial force, suitable for low speed working conditions

ZRV040系列 减速器	
应用工业	设备行业
产品说明	由单级蜗轮蜗杆组成，中心距40，整机壳铸铁，可承受较大扭矩及轴向力，适用于低转速工况

28项目产品预览/28 Project Product Preview



Huawei custom Reducer	
Application Industry	The cover plate opensand closes
Product description	Hob, custom parameters, ightweight fuselage,heavy load bearing,self-locking torque up to 900 nm,axia radial load more than 3000 N

华为定制 减速器	
应用工业	盖板打开和关闭
产品说明	滚刀，自定义参数，重量轻的机身，重量重的轴承，自锁扭矩高达900nm，轴径向载荷超过3000N

29项目产品预览/29 Project Product Preview

HSRV Series Series reducer	
Application Industry	Environmental protection industry
Product description	The main structure is similar to the SJMRV series, but the entire machine is made of 304 stainless steel, which has good rust and corrosion resistance and can be used in various extreme working conditions

HSRV系列 输送线体	
应用工业	环保行业
产品说明	主要结构与SJMRV系列相似，但整机采用304不锈钢材质，耐锈耐腐蚀性能良好，可用于各种极端工况

30项目产品预览/30 Project Product Preview

VRV035 Worm gear reducer	
Application Industry	Special for conveying line equipment
Product description	Long-term continuous full load operation, low temperature rise, high efficiency, can be customized hexagonal output or flat key output

VRV035：蜗轮蜗杆减速机	
应用工业	输送线设备专用
产品说明	可长期连续满负载运转，低温升，高效率，可定制六方孔输出或平键输出

31项目产品预览/31 Project Product Preview

BGV Series Series reducer	
Application Industry	Ice maker industry
Product description	Composed of one in two out or one in one out helical gears, with small volume, low operating noise, and good stability

BGV系列 减速器	
应用工业	制冰机行业
产品说明	由一入二出或一入一出斜齿轮组成，体积较小，运行噪音低，稳定性好

32项目产品预览/32 Project Product Preview

VRV030 Series Reducer	
Application Industry	Industrial robot
Product description	No oil seal worm gear reducer, high precision, small size, integrated colorful casing, no oil leakage risk, suitable for various low torque industrial robots

VRV030 系列 输送线体	
应用工业	工业机器人
产品说明	无油封蜗轮蜗杆减速机，精度高，体积小，一体化炫彩机壳，无漏油风险，适用于各种低扭矩工业机器人

33项目产品预览/33 Project Product Preview

MGV188 Series Reducer	
Application Industry	Door machine industry
Product description	Composed of multiple sets of small helical gears, it has a compact structure, high accuracy, and smooth operation without noise

MGV188 系列 输送线体	
应用工业	门机行业
产品说明	由多组小型斜齿轮组成，结构紧凑，精度较高，运行平稳无噪音

34项目产品预览/34 Project Product Preview

Rr Series Series reducer	
Application Industry	Metallurgical Industry
Product description	The entire machine is composed of a worm gear reducer and an bevel gear reducer, with a weight of 500-2000kg. It has a large volume, high torque, and low speed, and is made of cast iron

Rr系列 组合式减速机	
应用工业	冶金行业
产品说明	由蜗轮蜗杆减速机和伞齿轮减速机组合成整机500~2000kg，体积大，扭矩大转速低全铸铁箱体

35项目产品预览/35 Project Product Preview

Rr Series Series reducer	
Application Industry	Metallurgical Industry
Product description	The entire machine is composed of a worm gear reducer and an bevel gear reducer, with a weight of 500-2000kg. It has a large volume, high torque, and low speed, and is made of cast iron

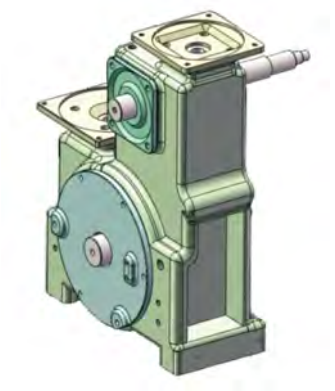
Rr系列 减速器	
应用工业	冶金行业
产品说明	由蜗轮蜗杆减速机和伞齿轮减速机组合成整机500~2000kg，体积大，扭矩大转速低全铸铁箱体

36项目产品预览/36 Project Product Preview

Rr Series Series reducer	
Application Industry	Metallurgical Industry
Product description	The entire machine is composed of a worm gear reducer and an bevel gear reducer, with a weight of 500-2000kg. It has a large volume, high torque, and low speed, and is made of cast iron

Rr系列 减速器	
应用工业	冶金行业
产品说明	由蜗轮蜗杆减速机和伞齿轮减速机组合成整机500~2000kg，体积大，扭矩大转速低全铸铁箱体

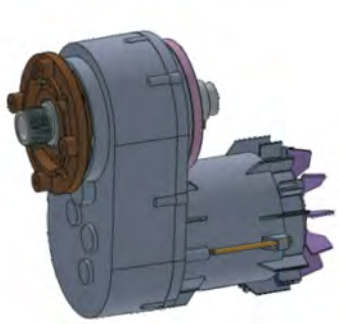
37项目产品预览/37 Project Product Preview



SRV70120 Series Reducer	
Application Industry	Equipment industry
Product description	Used for heavy-duty equipment, with dual input and output terminals, it can achieve simultaneous operation of two reducers in a small volume without affecting each other

SRV70120 系列 减速器	
应用工业	设备行业
产品说明	重型设备使用，双输入端，双输出端，可以以较小的体积实现两台减速机的同时工作，互不影响

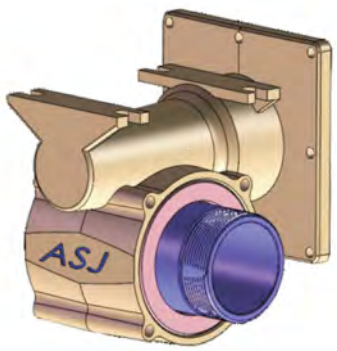
38项目产品预览/38 Project Product Preview



TGV089 Series Worm gear reducer	
Application Industry	Transportation industry
Product description	Parallel axis helical gear reducer, used for heavy-duty conveying equipment, with integrated motor reducer, smaller volume, and higher transmission efficiency

TGV089 系列 减速机	
应用工业	输送行业
产品说明	平行轴式斜齿轮减速机，用于重型输送设备，电机减速机一体化，体积更小，传动效率更高

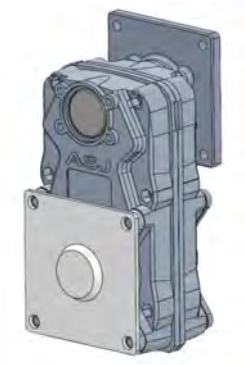
39项目产品预览/39 Project Product Preview



HFRV050 Series Series reducer	
Application Industry	Fountain and irrigation industry
Product description	Stainless steel shell, nitrided wheel core, waterproof grade up to IP68, output end can be used in various corrosion-resistant scenarios such as water pipes and pipelines

HFRV050 系列 减速机	
应用工业	喷泉、灌溉行业
产品说明	不锈钢壳体，氮化处理轮芯，防水等级可以达到IP68级，输出端可用于水管线管等耐腐蚀场景多种

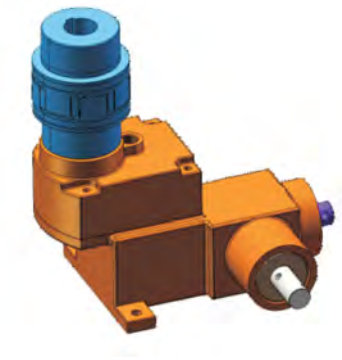
40项目产品预览/40 Project Product Preview



FGV105 Series Reducer	
Application Industry	High precision equipment, AGV sports
Product description	Parallel shaft multi-stage helical gear reducer, standard with servo flange, small size, high transmission efficiency, and mostly used in high-precision equipment scenarios

FGV105 系列 减速器	
应用工业	高精设备、**AGV**运动
产品说明	平行轴式多级斜齿轮减速机，标配伺服法兰，体积较小，传动效率高，多用于高精度设备场景

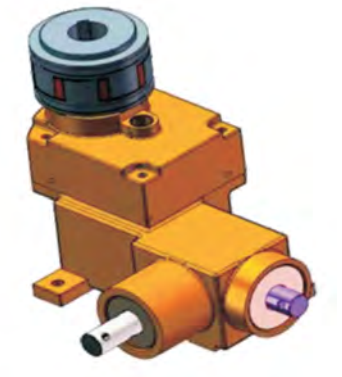
41项目产品预览/41 Project Product Preview



XXGV050 Series Worm gear reducer	
Application Industry	Special equipment
Product description	Multi stage helical bevel gear reducer, single shaft input, three shaft output, can be used on customized special equipment to achieve multi shaft synchronous motion, stable and reliable

XXGV050 系列 减速机	
应用工业	特种设备
产品说明	多级斜齿伞齿减速机，单轴输入，三轴输出，可用于客户定制的特种设备上，实现多轴同步运动，稳定可靠

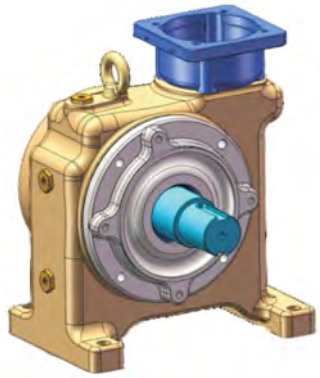
42项目产品预览/42 Project Product Preview



XXGV050 Series Worm gear reducer	
Application Industry	Special equipment
Product description	Multi stage helical bevel gear reducer, single shaft input, three shaft output, can be used on customized special equipment to achieve multi shaft synchronous motion, stable and reliable

XXGV050 系列 减速机	
应用工业	特种设备
产品说明	多级斜齿伞齿减速机，单轴输入，三轴输出，可用于客户定制的特种设备上，实现多轴同步运动，稳定可靠

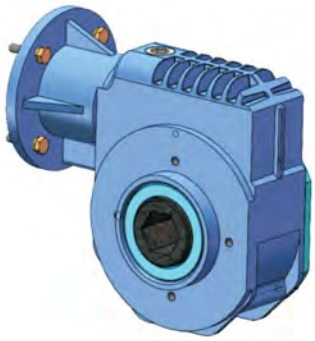
43项目产品预览/43 Project Product Preview



SRV130 Series Reducer	
Application Industry	Equipment industry
Product description	Single stage worm gear reducer for customized heavy-duty equipment, foot mounted

SRV130系列 减速器	
应用工业	设备行业
产品说明	单级蜗轮蜗杆减速机，用于定制化重载设备，底脚安装

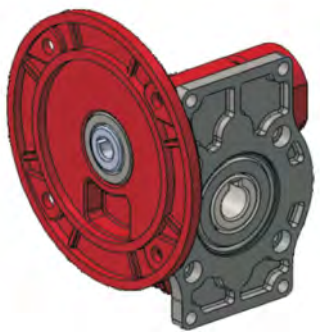
44项目产品预览/44 Project Product Preview



SRV063 Series Worm gear reducer	
Application Industry	Animal husbandry, fire protection
Product description	Large module worm gear reducer with reinforced heat dissipation ribs, suitable for high torque continuous operation equipment

SRV063 系列 减速机	
应用工业	畜牧业、消防
产品说明	大模数蜗轮蜗杆减速机，带加强散热筋，适用于大扭矩连续运转设备

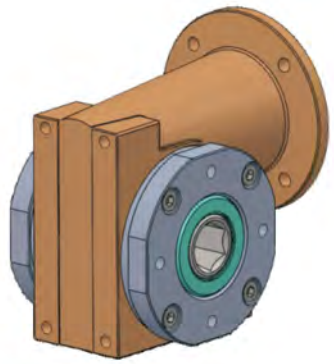
45项目产品预览/45 Project Product Preview



FRV030B Series Series reducer	
Application Industry	Textile industry, conveying equipment
Product description	Small worm gear reducer, customized installation flange according to customer requirements, small size, and exquisite appearance

FRV030B 系列 输送线体	
应用工业	纺织业、输送设备
产品说明	小型蜗轮蜗杆减速机，根据客户要求定制安装法兰，体积小，外观精致

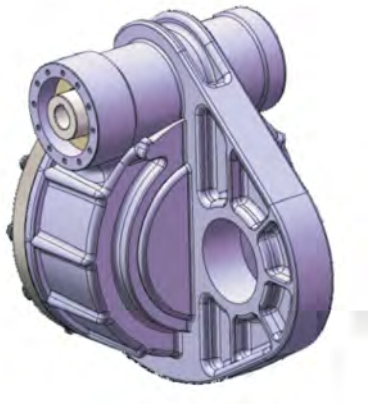
46项目产品预览/46 Project Product Preview



FRV035 Series Reducer	
Application Industry	Transportation industry, high-precision equipment
Product description	Worm gear reducer with hexagonal hole output, high efficiency, suitable for 7x24 hours of continuous operation, all imported lubricating oil and oil seal brands

FRV035 系列 减速器	
应用工业	输送行业、高精设备
产品说明	蜗轮蜗杆减速机，六方孔输出，效率高，可适应7x24小时连续运转，全进口润滑油及油封品牌

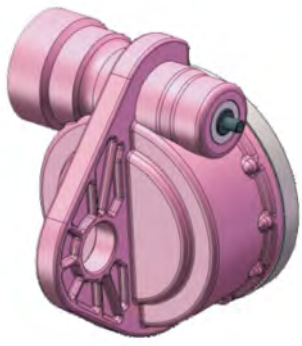
47项目产品预览/47 Project Product Preview



SRV250 Series Worm gear reducer	
Application Industry	Military Industry
Product description	Heavy duty worm gear reducer, fully self-locking, with an output torque of up to 2000Nm and a rated speed of 3000rpm, suitable for harsh environments such as outdoors

SRV250 系列 涡轮蜗杆减速机	
应用工业	军工行业
产品说明	重型蜗轮蜗杆减速机，完全自锁，输出扭矩高达**2000Nm**，额定转速3000rpm，适应野外等恶劣环境

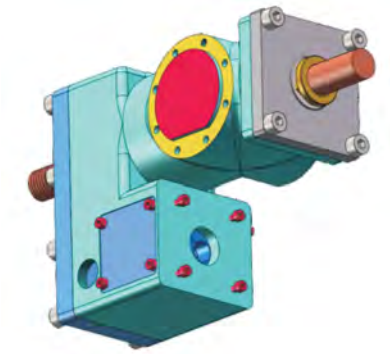
48项目产品预览/48 Project Product Preview



SRV180 Series Series reducer	
Application Industry	Military Industry
Product description	Heavy duty worm gear reducer, fully self-locking, with an output torque of up to 3100Nm and a rated speed of 3000rpm, suitable for harsh environments such as outdoors

SRV180 系列 输送线体	
应用工业	军工行业
产品说明	重型蜗轮蜗杆减速机，完全自锁，输出扭矩高达3100Nm，额定转速3000rpm，适应野外等恶劣环境

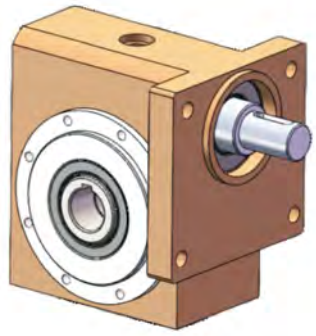
49项目产品预览/49 Project Product Preview



SGV105 Series Reducer	
Application Industry	High precision equipment, water treatment
Product description	Double output gear reducer, dual input, single output, with internal observation window, easy to replace lubricating oil, customizable structure

SGV105 系列 减速器	
应用工业	高精设备、水处理
产品说明	双输出齿轮减速机，双边输入，单边输出，附有内部观察窗，易于更换润滑油，可定制化结构

50项目产品预览/50 Project Product Preview



VRV063 Series Worm gear reducer	
Application Industry	Printing and papermaking
Product description	Medium size worm gear reducer, with a square and simple appearance, stable quality, and high design margin

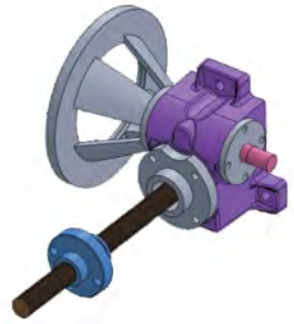
VRV063系列 涡轮蜗杆减速机	
应用工业	印刷、造纸
产品说明	中型蜗轮蜗杆减速机，外形方正简约，质量稳定，设计余量高

51项目产品预览/51 Project Product Preview

VRV050 Series Series reducer	
Application Industry	Radar, solar energy
Product description	Fully self-locking worm gear reducer with customized appearance and hydraulic motor input port, which can meet large torque requirements

VRV050 系列 输送线体	
应用工业	雷达、太阳能
产品说明	完全自锁蜗轮蜗杆减速机，客户定制化外形，液压马达输入端接口，可满足较大扭矩需求

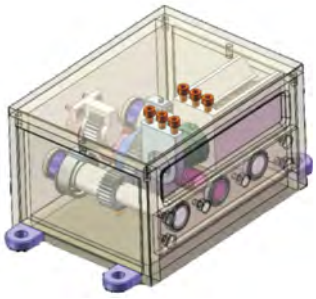
52项目产品预览/52 Project Product Preview



TGV040 Series Reducer	
Application Industry	Animal Elevatorsand
Product description	Reducer for lifting machine, modular design, can replace different models of flanges, screw rods, installation holes, etc. according to customer requirements

TGV040系列 减速器	
应用工业	升降电梯
产品说明	提升机用减速机，模块化设计，可根据客户要求更换不同型号法兰、丝杆、安装孔等

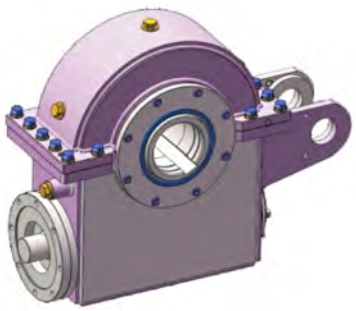
53项目产品预览/53 Project Product Preview



LGV045 Series Worm gear reducer	
Application Industry	Trains, subways
Product description	The speed reducer used for mileage counting can achieve normal mileage accumulation regardless of forward or reverse rotation, with a maximum support of 100000 to 10 million kilometers

LGV045系列 涡轮蜗杆减速机	
应用工业	火车、地铁
产品说明	里程计数用减速机，可实现无论正转反转均正常累计里程数，最多支持里程数**10~1000**万公里

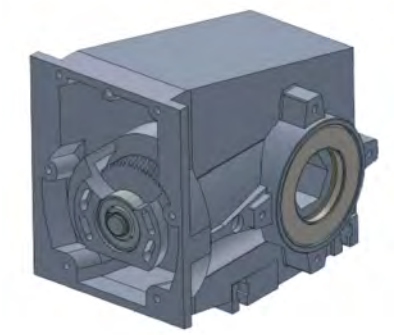
54项目产品预览/54 Project Product Preview



HGV130 Series Series reducer	
Application Industry	Industrial equipment, water treatment
Product description	Cast iron casing worm gear reducer, suitable for large loads and loads, easy to install, and low in price

HGV130 系列 输送线体	
应用工业	工业设备、水处理
产品说明	铸铁外壳蜗轮蜗杆减速机，可适用于较大载荷及较大负载，安装方便，价格低廉

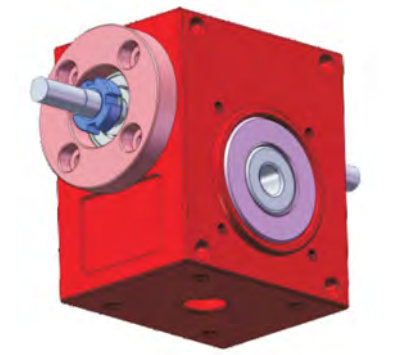
55项目产品预览/55 Project Product Preview



FGV063 Series Reducer	
Application Industry	Transportation industry, high-precision equipment
Product description	High precision helical bevel gear reducer with a large inner cavity in the casing, which is conducive to self cooling during long-term continuous operation and can operate under overload for a long time

FGV063 系列 减速器	
应用工业	输送行业、高精设备
产品说明	高精度斜齿伞齿减速机，壳体内腔较大，利于长时间连续运转情况下自身散热，可长时间超负荷运行

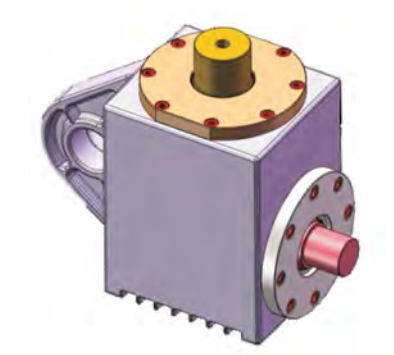
56项目产品预览/56 Project Product Preview



SSRV040 Series Worm gear reducer	
Application Industry	Mechanical equipment
Product description	Dual lead dual input reducer, which can change the meshing lead angle according to actual needs, achieving seamless switching

SSRV040 系列 涡轮蜗杆减速机	
应用工业	机械设备
产品说明	双导程双输入减速机，可根据实际需求改变啮合导程角，实现无缝切换

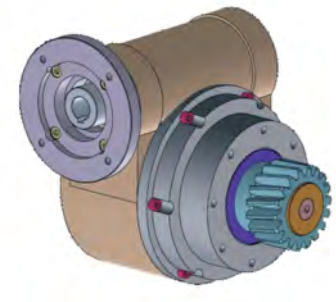
57项目产品预览/57 Project Product Preview



HGV070 Series Series reducer	
Application Industry	Mechanical equipment, metallurgical equipment
Product description	The reducer commutator can achieve 90 degree commutation in any direction according to customer needs, and the speed ratio can be customized according to customer requirements

HGV070 系列 输送线体	
应用工业	机械设备、冶金设备
产品说明	减速机换向器，可根据客户需求实现任意方向的90度换向，速比可根据客户要求定制

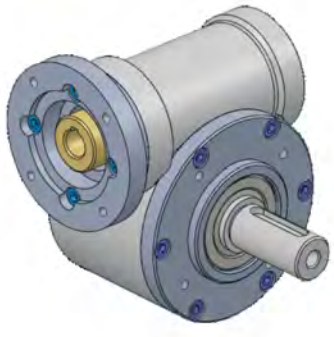
58项目产品预览/58 Project Product Preview



ZRV079 Series turbo-Worm Reducer	
Application Industry	Dedicated to the medical industry
Product description	It has the advantages of silence, high load, small side clearance, etc., and can be used for connecting racks, sprockets, and pulleys, with a long service life

ZRV079 系列 蜗轮蜗杆减速机	
应用工业	医疗行业专用
产品说明	具有静音、高负载、小侧隙等优点，可适用于齿条、链轮、皮带轮连接，使用寿命长

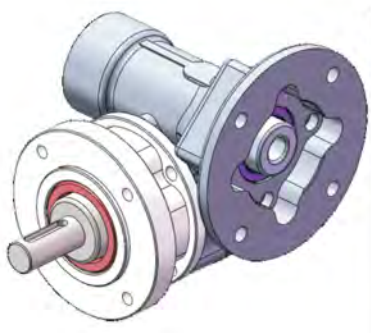
59项目产品预览/59 Project Product Preview



ZRV052 Series turbo-Worm Reducer	
Application Industry	Dedicated to the medical industry
Product description	Low noise and high accuracy. Long service life

ZRV052 系列 涡轮蜗杆减速机	
应用工业	医疗行业专用
产品说明	噪音较小、精度较高。使用寿命长

60项目产品预览/60 Project Product Preview

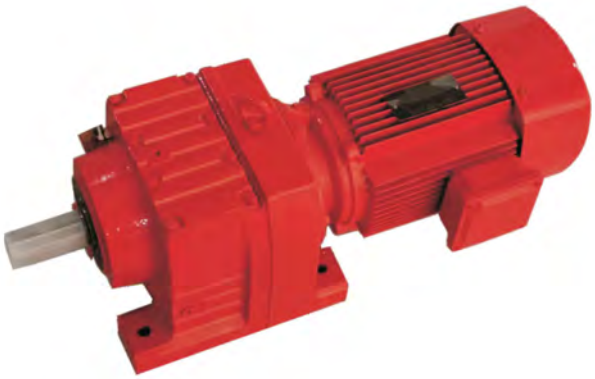


FRV030C Series Customized worm gear reducer	
Application Industry	Dedicated to the medical industry
Product description	Suitable for reciprocating motion mechanisms, with high operating accuracy and long service life

FRV030C系列 定制化蜗轮蜗杆减速机	
应用工业	医疗行业专用
产品说明	适用于往复式运动机构，运转精度高，使用寿命长

61项目四大系列产品预览/61 Project Four Series Product Preview

斜齿轮系列、平行轴系列、伞齿斜齿系列、直交轴系列统称四大系列减速机，采用模块化设计方案，速比细分精细，安装形式多样，传递效率较高，可满足多种行业客户的不同需求



质量反馈/QUALITY FEEDBACK

客户发现有质量问题时，不要先拆卸零件，应先说明一下情况后与本公司售后服务联系，说明现象后确认问题所在再采用比较理想的方法处理。

Customer have found the problem, do not remove parts, should show the company after contactwith after-sale service, after the phenomennon that problem, then confirm the method do deal with.

型号规格Mode:

出厂日期Date:

编号Number:

已使用时间 Use time:

质量问题Problem:

选型登记表/SLECTION REGISTRATION FORM

选型登记表/SLECTION REGISTRATION FORM

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