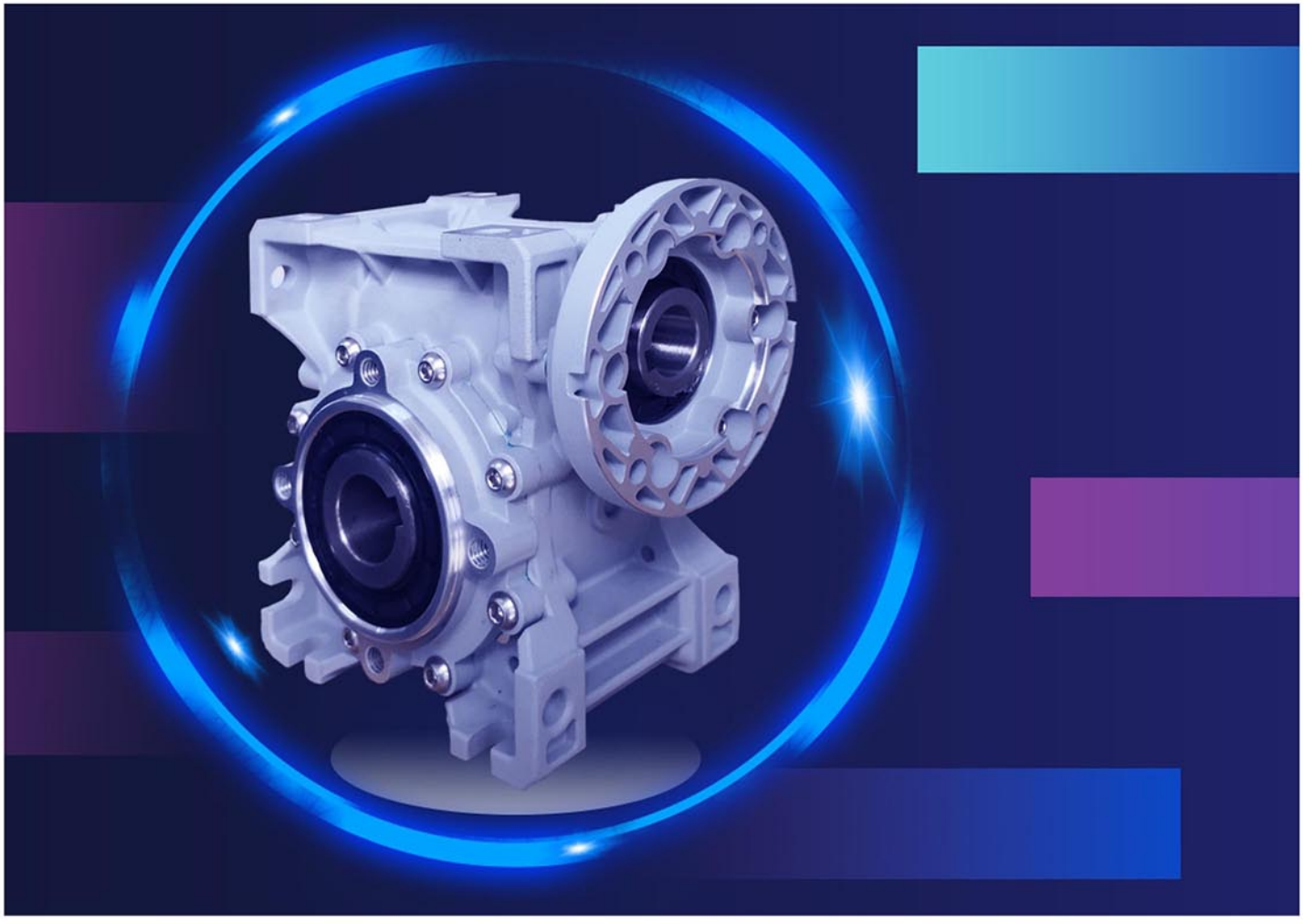
艾思捷

SSJ Group
Power Transmission

浙江艾思捷传动科技有限公司



让传动更有效！

让传动更有效！
LET DRIVE MORE EFFECTIVE!
做一个令人尊敬的传动行业引领者
BE A RESPECTABLE DRIVING INDUSTRY LEADER

产品宣传册
PRODUCTION CATALOG

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

2019.01

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、SJGV系列齿轮减速机、SJRT系列太阳能减速机、SJXV系列行星减速机、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

2019

浙江艾思捷传动科技有限公司成立

Zhejiang SSJ Transmission Technology Co.,ltd established

2010

SSJ Group

产值突破7,000,000欧元

The output value of SSJ Group exceeded €5,000,000

2017

SSJ品牌登陆中国

SSJ entered China

2014

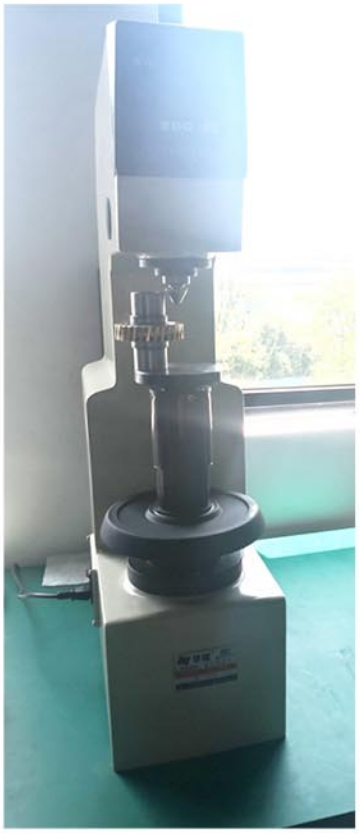
SSJ Group减速机挺进美洲市场

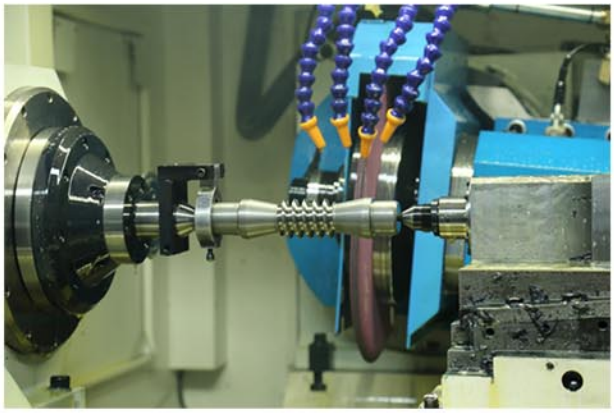
SSJ gearbox enters the American market

- 2010年SSJ Group产值突破7,000,000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

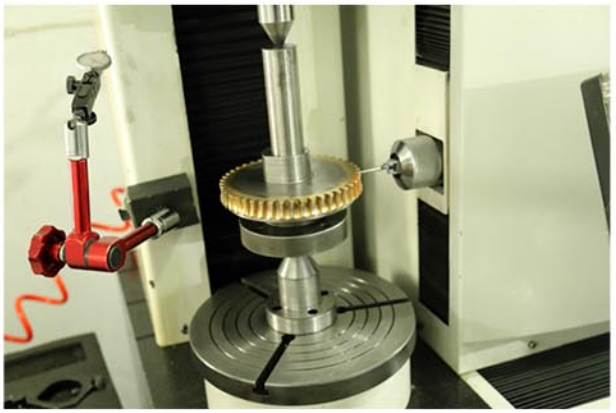
生产设备
PRODUCTION EQUIMENPMENT


Dachuan
大川机床
BK5018






G200CNC6



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.


CAR WASH

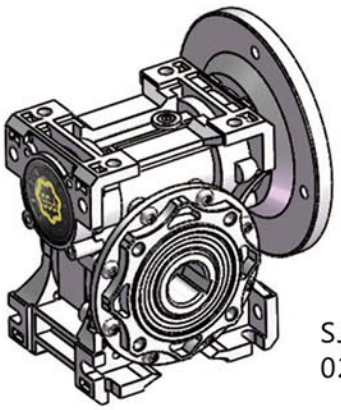

圆通速递
EXPRESS


3C行业自动化生产线

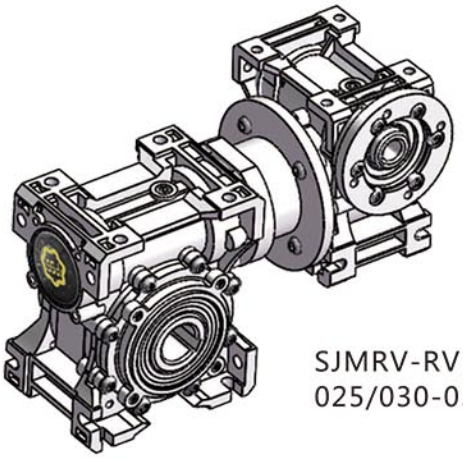
目录

CATALOGUE

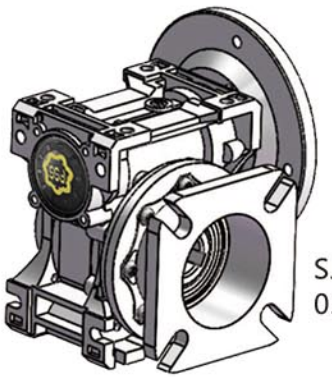
产品展示/PRODUCT DOSIPAY



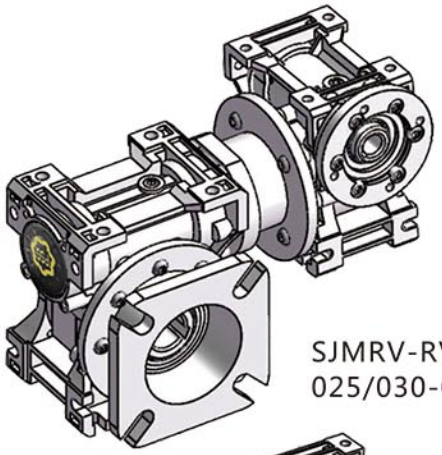
SJMRV
025-110



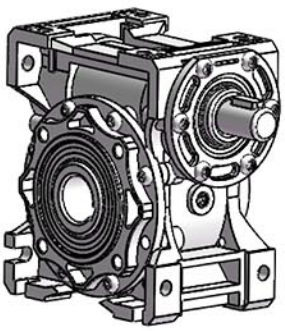
SJMRV-RV
025/030-050/110



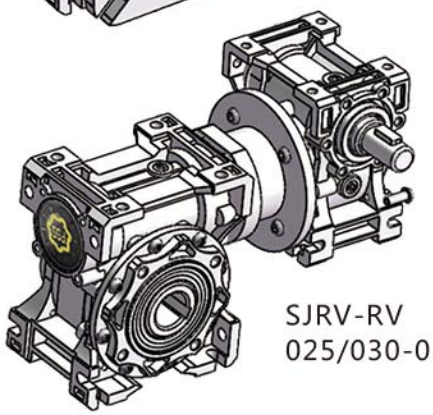
SJMRV
025-110F



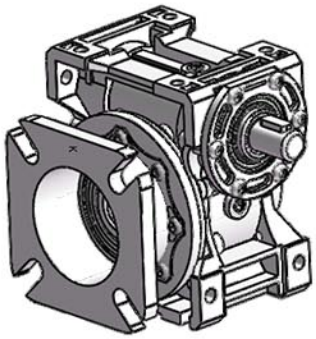
SJMRV-RV
025/030-050/110



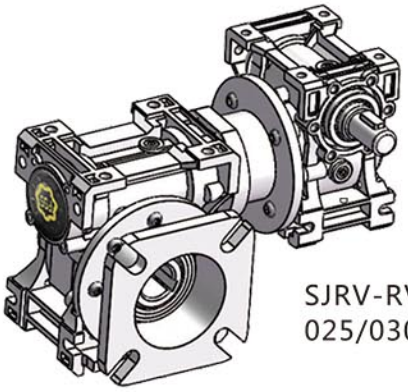
SJRV
025-110



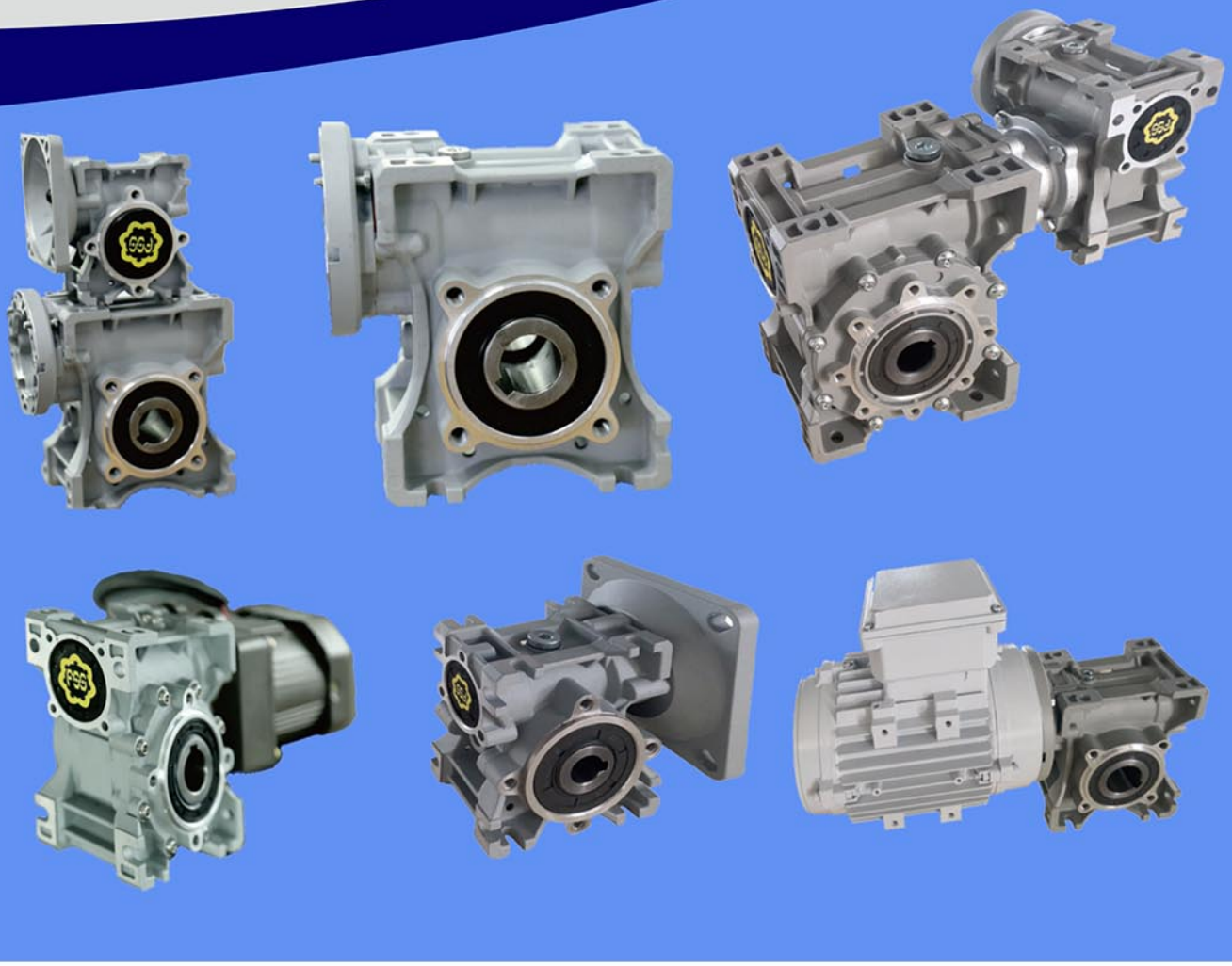
SJRV-RV
025/030-050/110



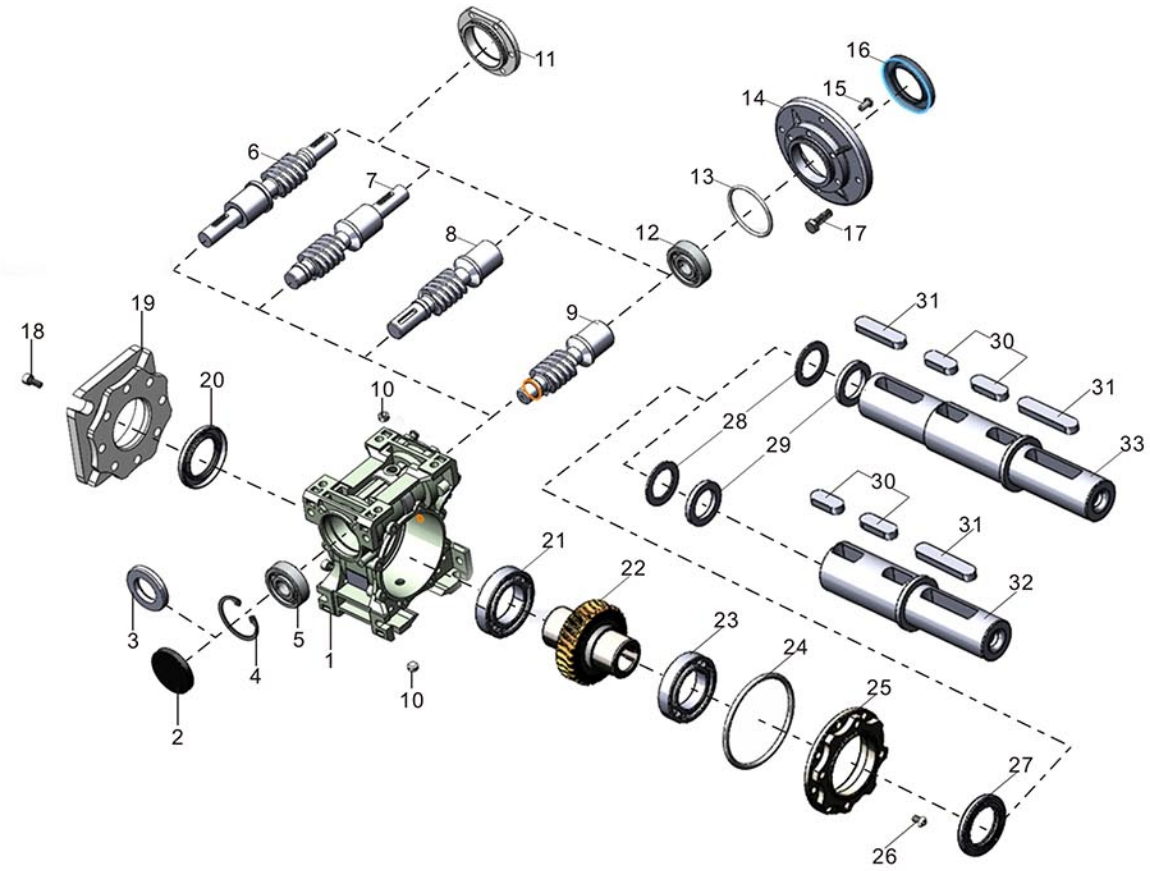
SJRV
025-110F



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		

性能特点/CHARACTERISTIC

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025-110共8种机座规格；传递功率范围从60W-11kW;
Frow size 025 to 110,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.

主要材料/Main Materials

1.外壳：铝合金（机座：025-110）；
Housing: die-casting aluminum alloy(Frame size 025 to 110);
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.

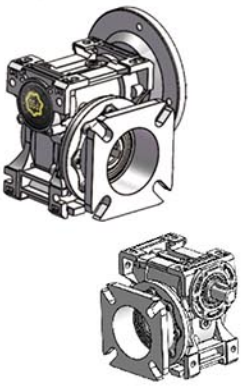
表面喷涂/Surface Painting

铝合金外表/Aluminum alloy surface：
经抛丸处理，磷化处理等防腐处理，喷RAL7047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

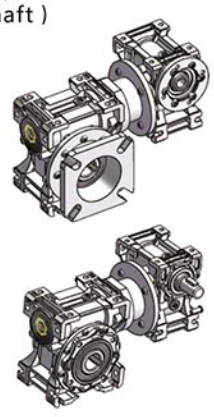
SJMRV 050 50 VS FA1 AS1 A1 71B5 B3 0.75-4 1

- 1 — 电机接线盒位置 Position of teminal box
  1，2，3，4
- 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
- SJMRV — 蜗轮减速器类型/Wom gearbox type
  SJMRV 孔输入型 Input with hole　SJRV 轴输入型 Input with shaft



SJMRV-RV 040/075 750 VS FA1 AS1 A1 71B5 AS1 0.37-4 1

- 1 — 电机接线盒位置 Position of teminal box
  1，2，3，4
- 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……
- SJMRV-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
  SJRV-RV=SJRV+SJMRV
  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

1、为正确选择SJMRV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 NMRV 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

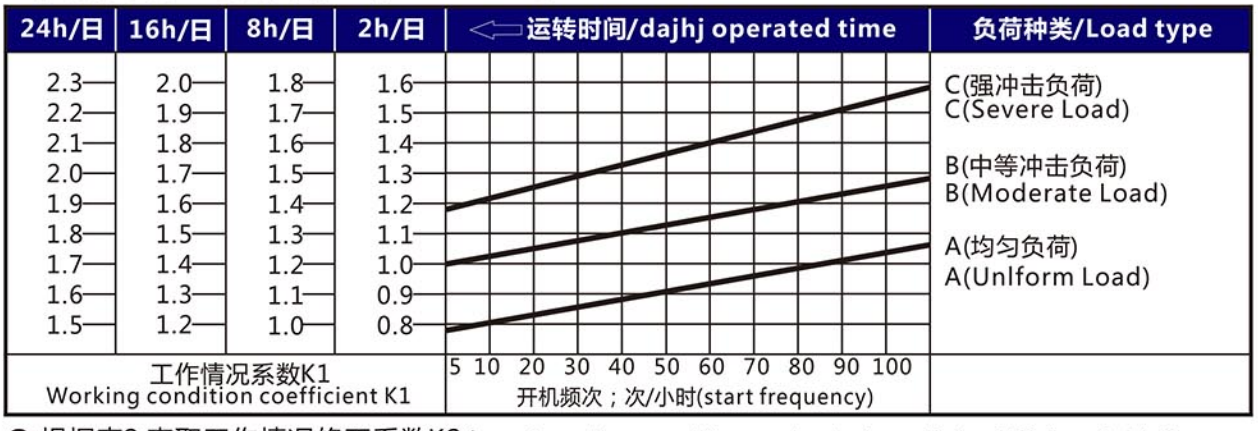
2、确定工作情况系数K1及工作情况修正系K2/Define working condition Coefficient K1 and revise coefficient K2

- 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	示例 Example	负荷种类 Load type
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℃	1
30℃~40℃	1.1~1.2

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：无沖击均匀负荷，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

7.1 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

7.2 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.

$$Pn2=Pn1.\eta d$$

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

7.3 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.

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

7.4 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.

7.5 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 lf 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

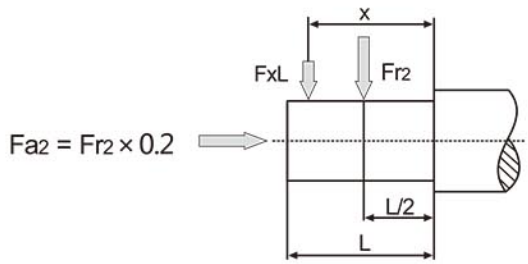
C-严重冲击，fs≤10

C-heavy shocks, fs≤10

7.6 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:

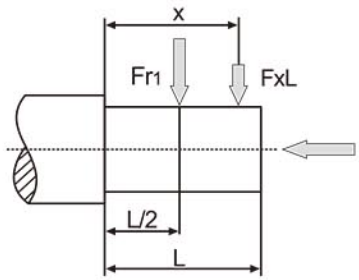
- **输出轴径向载荷/Output shafts radial loads**



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.

7.7 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	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

7.8 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
SJMRV	SJMRV025	0.02			
	SJMRV030	0.042			
	SJMRV040	0.081			
	SJMRV050	0.153			
	SJMRV063	0.30			
	SJMRV075	0.58			
	SJMRV090	1.02			
	SJMRV110	3.02	2.55	2.25	3.02

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.

7.9 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：$\eta_T=\eta1*\eta2$。

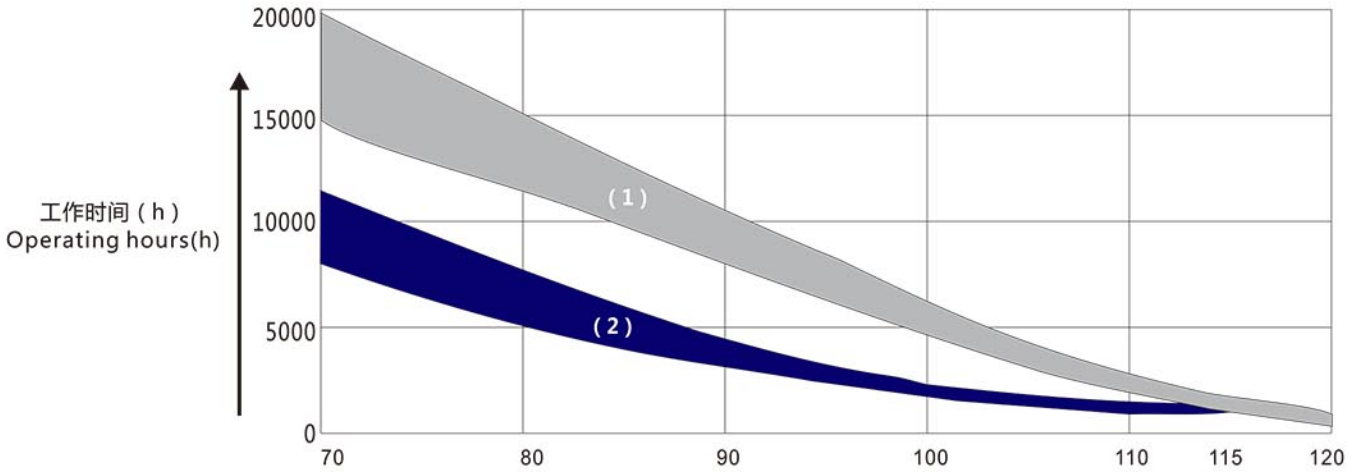
Note: Above table data are only for reference; vibration and impact also affect reducer self-lock function. It is necessary to achieve complete self - lock when reducer under use; we suggest external safety brake device is installed. For the combination type reducer, monomer reducer "functional efficiency must be considered, so overall self-lock function parameter is: $\eta_T=\eta1*\eta\ 2$.

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
SJMRV025-110	-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

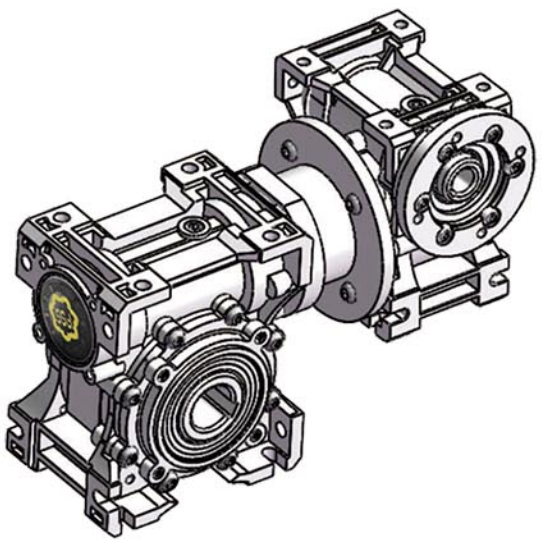
Oil change intervals for standard gear units under normal environment conditions

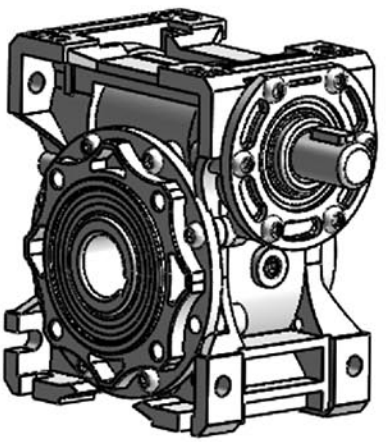


● 油池持续温度[℃] Sustained oil bath temperature[℃]

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

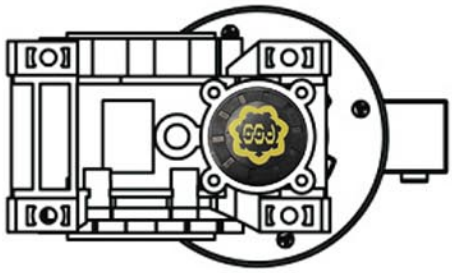




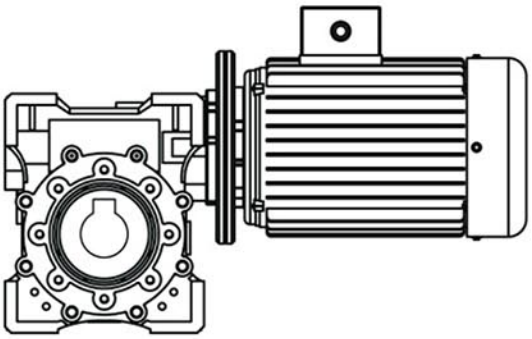
7.10 安装方式/Installation mode

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

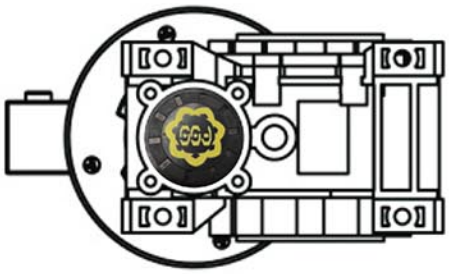
B6



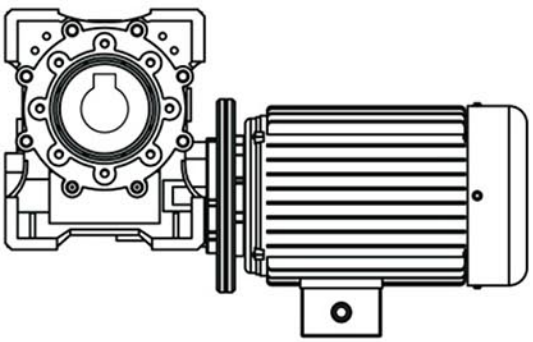
B3



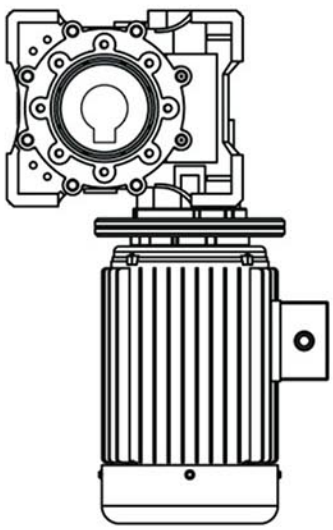
B7



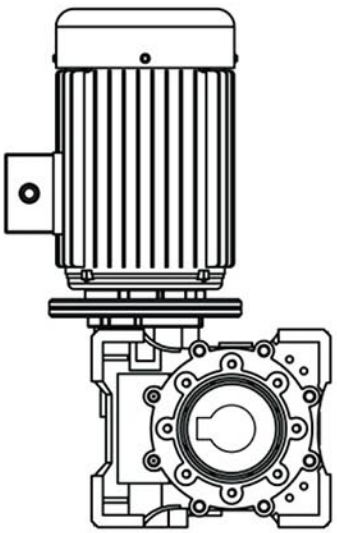
B8



V6

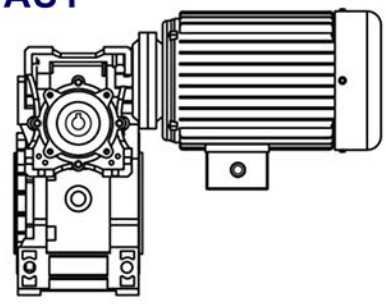


V5

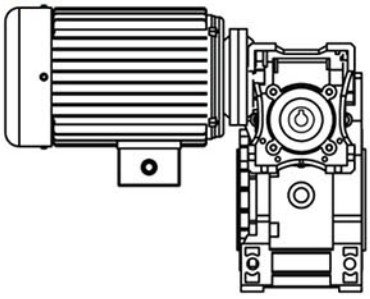


双联减速机安装位置/Inatallation mode for double gearbox

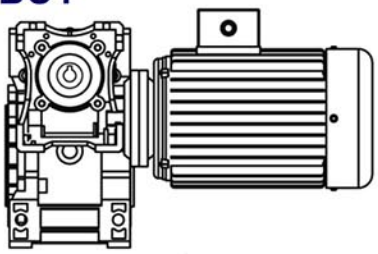
AS1



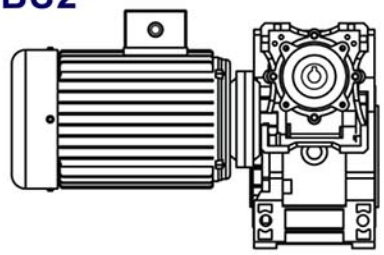
AS2



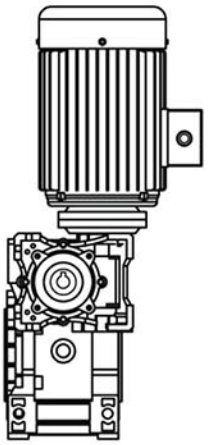
BS1



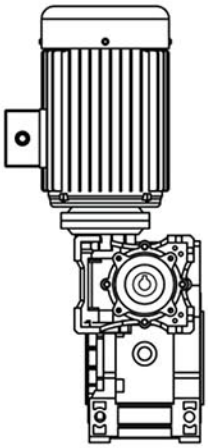
BS2



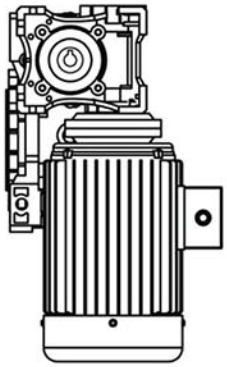
VS1



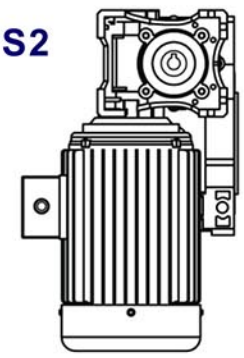
VS2



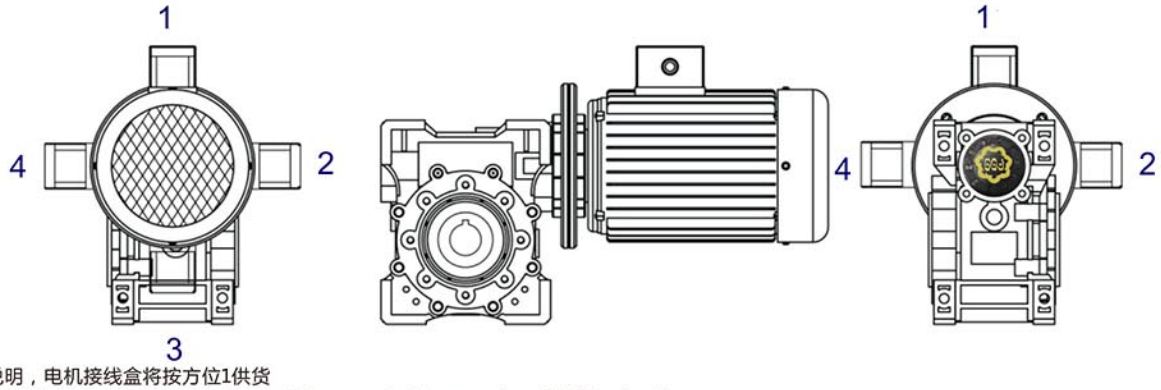
PS1



PS2



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

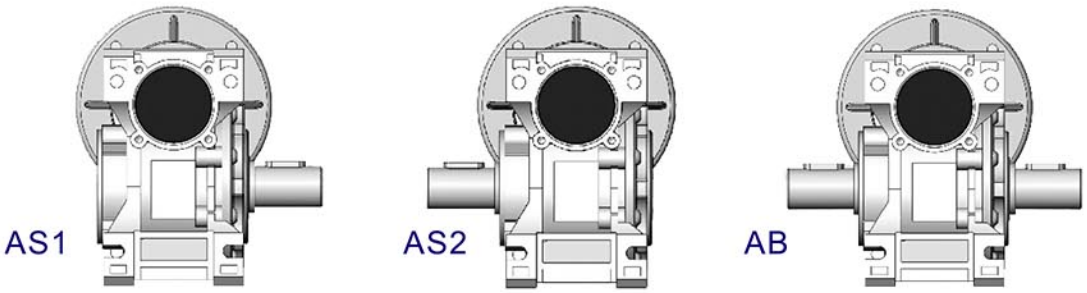


如没有特别说明，电机接线盒将按方位1供货
Unless specified,otherwise,the position of the terminal box as show No1 in the diagram.

输出法兰安装位置/Position of output flange

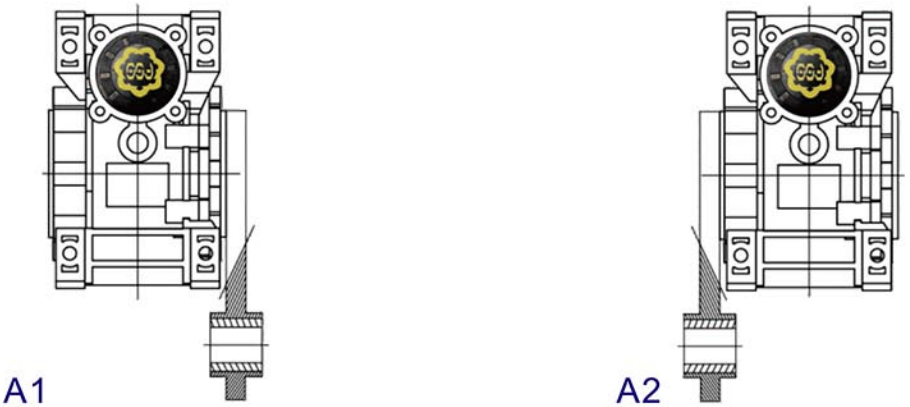
如没有特别说明，将按照如图F1和B3安装方位的组合样式供货。
Unless specified,otherwise,the reduclion unit is supplied with the flange in pos. F1 referred to position B3.

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.

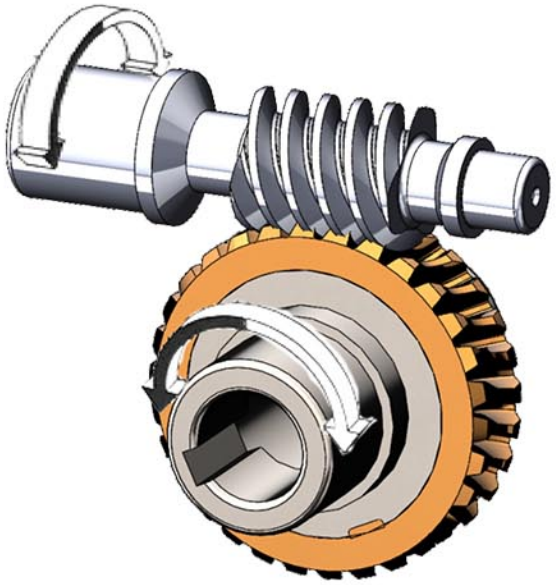
扭力臂安装位置/Position of torque arm



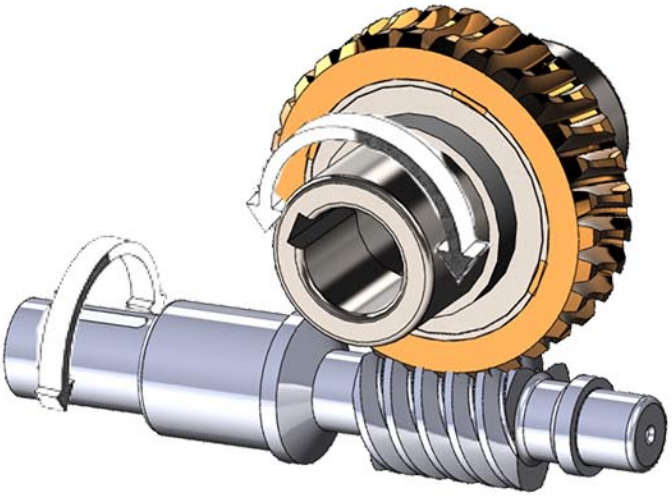
如没有特别说明，将按照如图A1和B3安装方位的组合样式供货。
Unless specified,otherwise,the reduclion unit is supplied with the flange in pos. A1 referred to position B3.

7.11 旋转方向/Direction of rotation

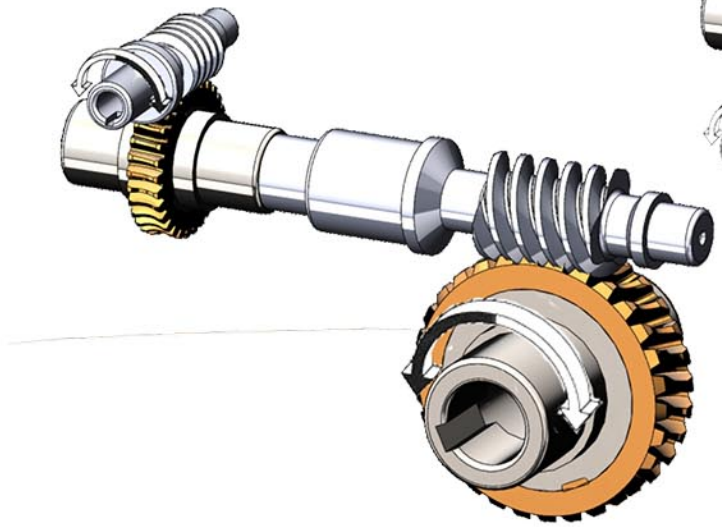
SJMRV



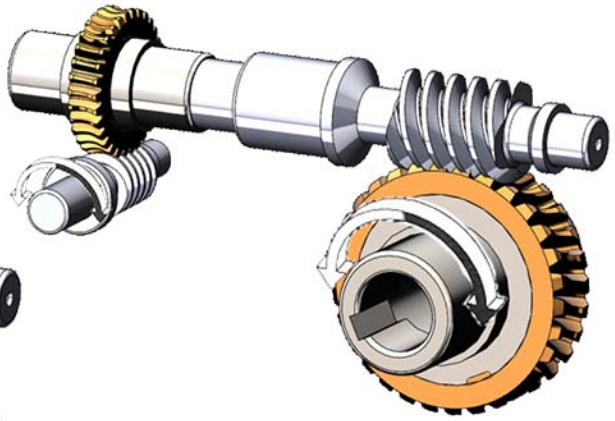
SJRV



SJMRV-RV



SJRV-RV

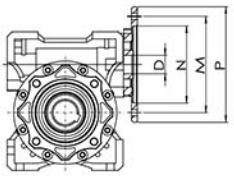


啮合参数/MESH DATA

SJMRV	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)

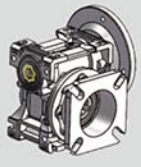
SJMRV选型表/SELECTION TABLE



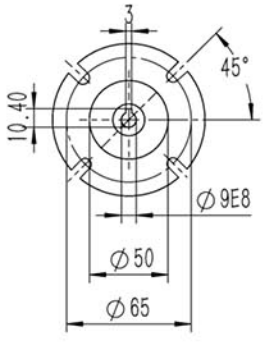
9.1 总体选型表/Overall Selection Table

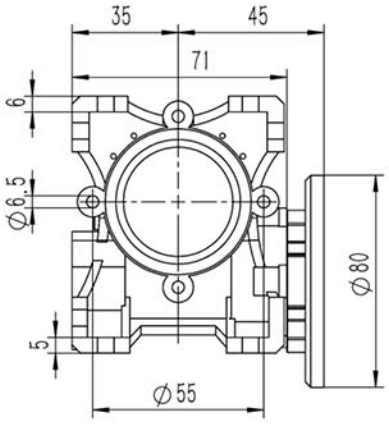
SJMRV	PAM / IEC	N	M	P	可配电机功率(KW)	D											
						5	7.5	10	15	20	25	30	40	50	60	80	100
25	56B14	50	65	80	0.06	9	9	9	9	9	9	9	9	9	9	-	-
	56B14				0.09	9	9	9	9	9	9	9	9	-	-	-	-
30	56B14	50	65	80	0.06	9	9	9	9	9	9	9	9	9	9	9	-
	56B5	80	100	120	0.09	9	9	9	9	9	9	9	9	9	9	9	-
	63B14	60	75	90	0.12	11	11	11	11	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	-	-	-	-	-	-	-

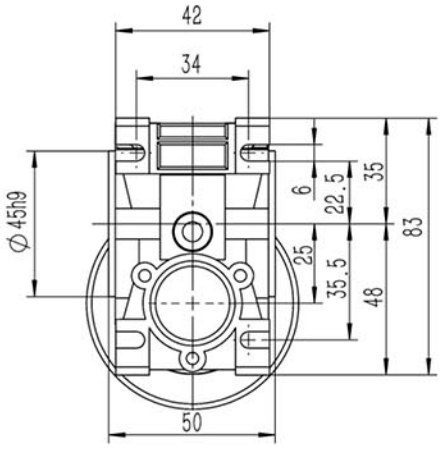
9.2 SJMRV025选型表/Selection Table

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	61
		280	2.7	439	4.1	562-4	0.09	61
		180	2.7	509	4.8	562-6	0.06	61
	7.5	186.7	2.6	503	4.2	561-4	0.06	61
		186.7	3.9	503	2.8	562-4	0.09	61
		120	4	583	3.2	562-6	0.06	61
	10	140	3.4	553	3.5	561-4	0.06	61
		140	5.1	553	2.4	562-4	0.09	61
		90	5.2	641	2.7	562-6	0.06	61
	15	93.3	4.9	633	2.5	561-4	0.06	61
		93.3	7.3	633	1.6	562-4	0.09	61
		60	7.4	734	1.9	562-6	0.06	61
	20	70	6.1	697	2.0	561-4	0.06	61
		70	9.2	697	1.3	562-4	0.09	61
		45	9.3	808	1.4	562-6	0.06	61
	25	56	8.2	747	1.8	561-4	0.06	61
		56	12	747	1.2	562-4	0.09	61
		36	12	867	1.3	562-6	0.06	61
	30	46.7	8.2	798	1.6	561-4	0.06	61
		46.7	12	798	1.1	562-4	0.09	61
		30	12	925	1.2	562-6	0.06	61
	40	35	10	878	1.3	561-4	0.06	61
		35	15	878	0.9	562-4	0.09	61
		22.5	15	1018	0.9	562-6	0.06	61
	50	28	12	946	0.9	561-4	0.06	61
		18	18	1096	0.7	562-6	0.06	61
	60	23.3	14	1006	0.7	561-4	0.06	61

SJMRV025


3
45°
10.40
Ø9E8
Ø50
Ø65


35
45
71
6
Ø6.5
5
Ø80
Ø55


42
34
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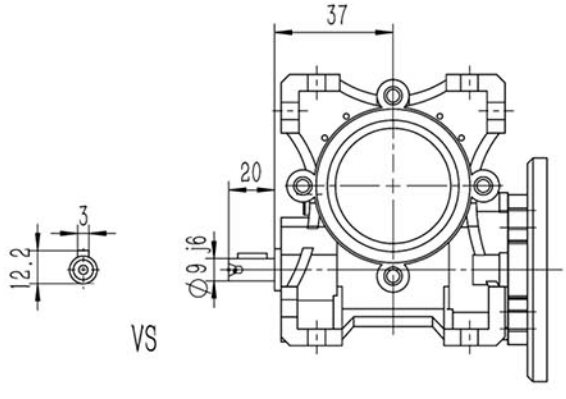
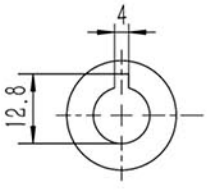
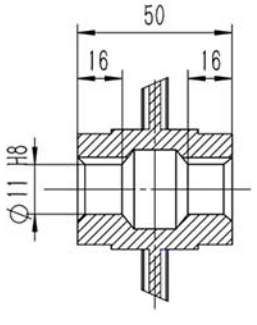
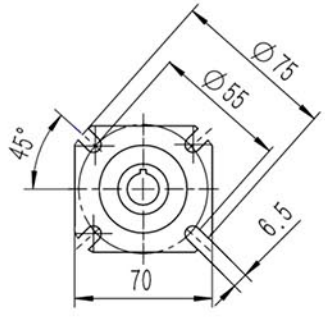
6
22.5
35
25
35.5
48
83
50

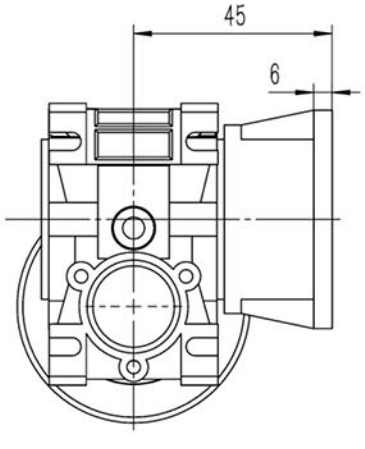

37
20
3
12.2
Ø9 j6
VS


4
12.8


50
16
16
Ø11 H8


Ø75
Ø55
45°
6.5
70

F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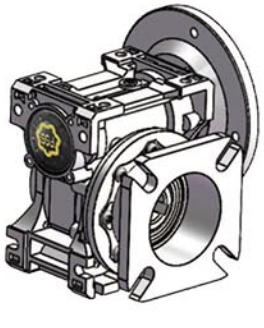
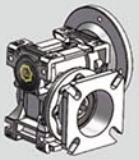
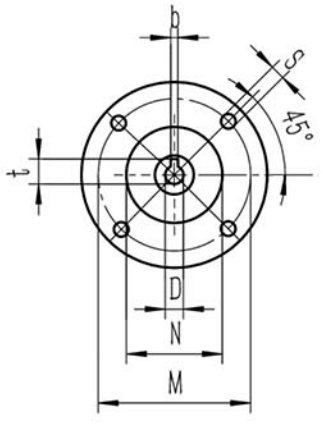
6

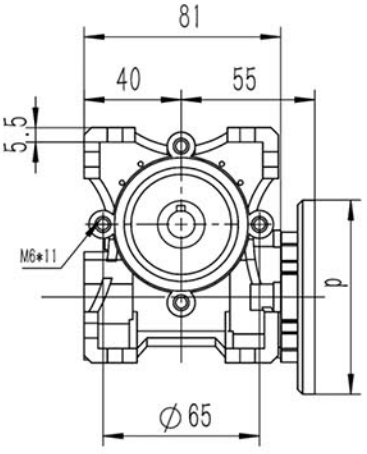


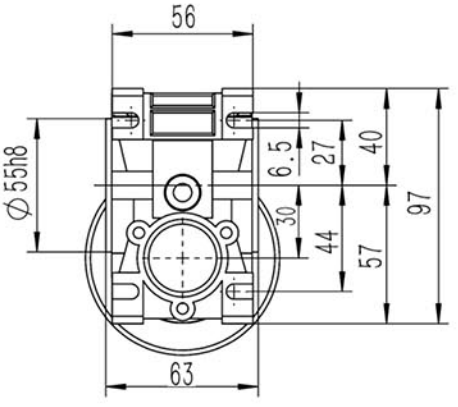
9.3 SJMRV030选型表/Selection Table

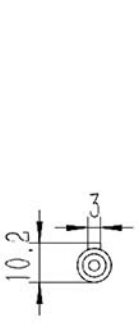
减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV030 	5	280	1.8	597	8.1	561-4	0.06	62
		280	2.7	597	6.7	562-4	0.09	62
		280	3.6	597	5.1	631-4	0.12	62
		280	5.3	597	3.4	632-4	0.18	62
		180	4.1	692	4.9	631-6	0.09	62
		180	5.4	692	3.7	632-6	0.12	62
	7.5	186.7	2.6	683	6.9	561-4	0.06	62
		186.7	3.9	683	4.6	562-4	0.09	62
		186.7	5.2	683	3.4	631-4	0.12	62
		186.7	7.8	683	2.3	632-4	0.18	62
		120	5.9	792	3.4	631-6	0.09	62
		120	7.9	792	2.5	632-6	0.12	62
	10	140	3.4	752	5.4	561-4	0.06	62
		140	5	752	3.6	562-4	0.09	62
		140	6.7	752	2.7	631-4	0.12	62
		140	10	752	1.8	632-4	0.18	62
		90	7.6	871	2.6	631-6	0.09	62
		90	10	871	2.0	632-6	0.12	62
	15	93.3	4.7	861	3.8	561-4	0.06	62
		93.3	7.1	861	2.5	562-4	0.09	62
		93.3	9.5	861	1.9	631-4	0.12	62
		93.3	14	861	1.3	632-4	0.18	62
		60	11	997	1.9	631-6	0.09	62
		60	14	997	1.4	632-6	0.12	62
	20	70	6	948	3.0	561-4	0.06	62
		70	9	948	2.0	562-4	0.09	62
		70	12	948	1.5	631-4	0.12	62
		70	18	948	1.0	632-4	0.18	62
		45	13	1098	1.5	631-6	0.09	62
		45	18	1098	1.1	632-6	0.12	62
	25	56	7	1021	3.0	561-4	0.06	62
		56	10	1021	2.0	562-4	0.09	62
		56	14	1021	1.5	631-4	0.12	62
		56	21	1021	1.0	632-4	0.18	62
		36	15	1183	1.5	631-6	0.09	62
		36	20	1183	1.1	632-6	0.12	62
	30	46.7	8	1085	2.5	561-4	0.06	62
		46.7	12	1085	1.7	562-4	0.09	62
		46.7	16	1085	1.3	631-4	0.12	62
		46.7	24	1085	0.8	632-4	0.18	62
		30	17	1257	1.2	631-6	0.09	62
		30	23	1257	0.9	632-6	0.12	62
	40	35	9.7	1194	1.9	561-4	0.06	62
		35	14	1194	1.2	562-4	0.09	62
		35	19	1194	0.9	631-4	0.12	62
		22.5	21	1383	1.0	631-6	0.09	62
	50	28	11	1286	1.5	561-4	0.06	62
		28	17	1286	1.0	562-4	0.09	62
		28	23	1286	0.8	631-4	0.12	62
		18	24	1490	0.7	631-6	0.09	62
	60	23.3	13	1367	1.3	561-4	0.06	62
		23.3	19	1367	0.9	562-4	0.09	62
		15	18	1583	0.9	562-6	0.06	62
	80	17.5	14	1504	0.9	561-4	0.06	62

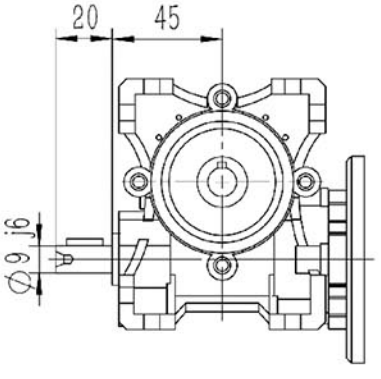
SJMRV030



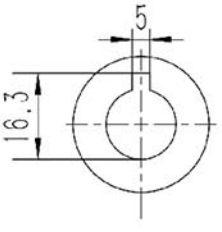


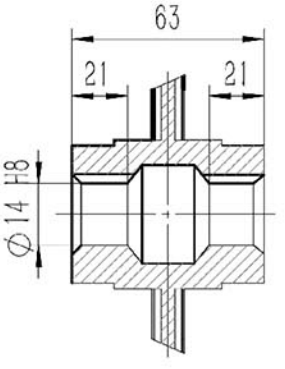


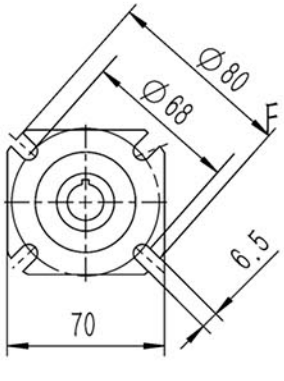


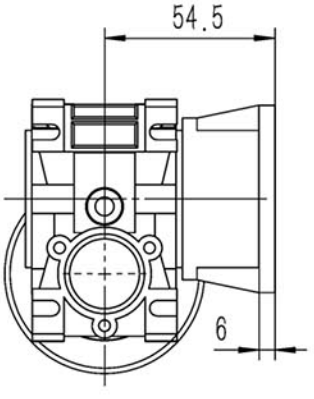


VS



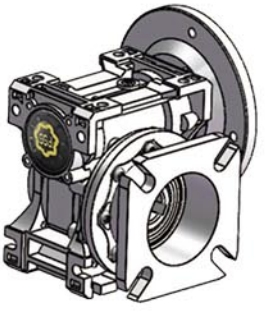




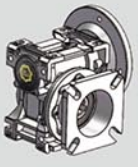


F

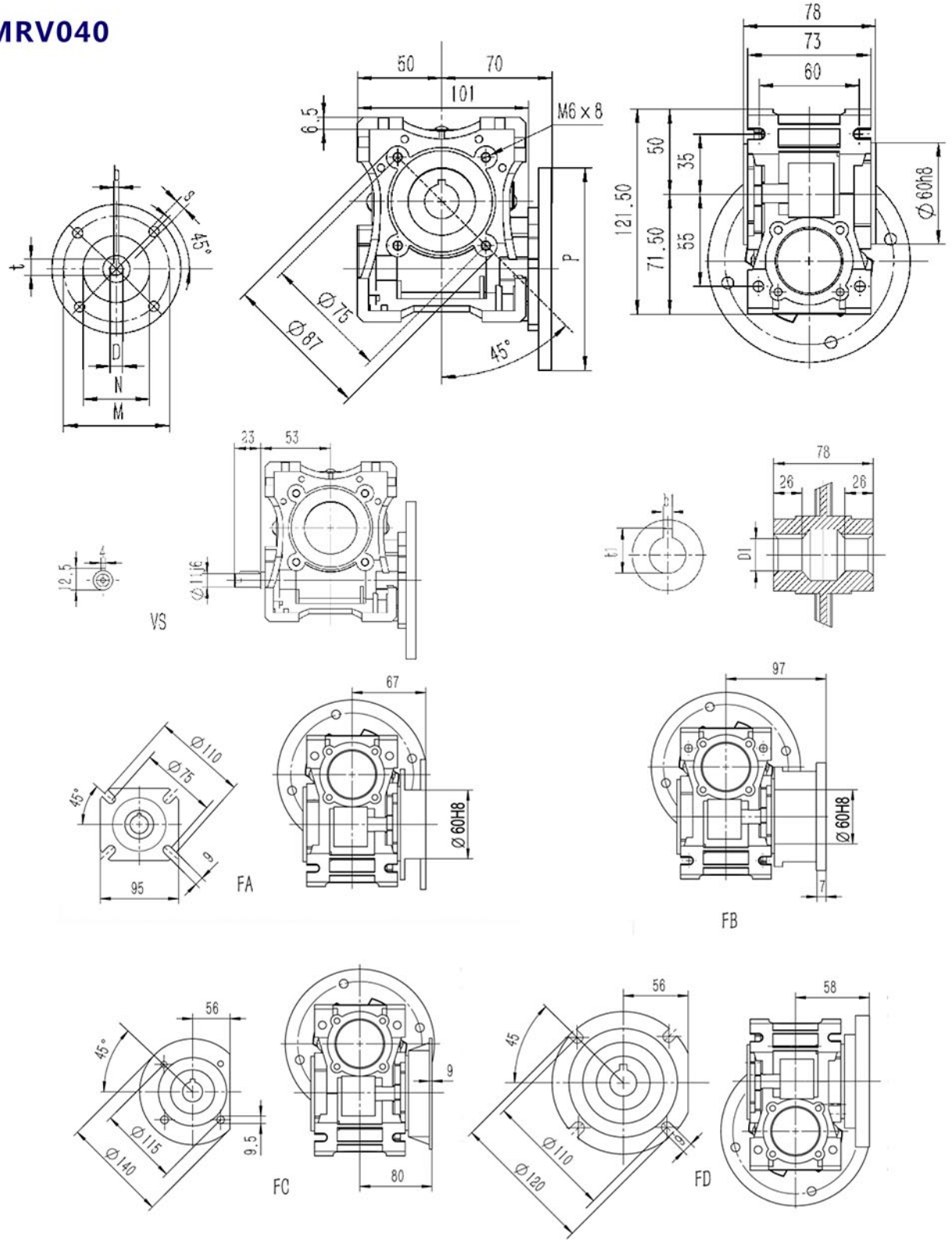
PAM / IEC	DE8	b	t	P	M	N	S
63B5	11	4	12.8	140	115	95	9
63B14	11	4	12.8	90	75	60	5.5
56B5	9	3	10.4	120	100	80	6.5
56B14	9	3	10.4	80	65	50	5.5



9.4 SJMRV040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 of Motor (mm)
SJMRV040 	5	280	8	1149	4.5	711-4	0.25	63
		280	11	1149	3.0	712-4	0.37	63
		180	12	1331	3.5	712-6	0.25	63
	7.5	186.7	11	1315	3.6	711-4	0.25	63
		186.7	16	1315	2.4	712-4	0.37	63
		120	17	1524	2.6	712-6	0.25	63
	10	140	14	1447	2.8	711-4	0.25	63
		140	21	1447	1.9	712-4	0.37	63
		90	22	1677	2.0	712-6	0.25	63
	15	93.3	21	1657	1.9	711-4	0.25	63
		93.3	31	1657	1.3	712-4	0.37	63
		60	31	1920	1.4	712-6	0.25	63
	20	70	19	1824	2.0	632-4	0.18	63
		70	27	1824	1.5	711-4	0.25	63
		70	39	1824	1.0	712-4	0.37	63
		45	29	2113	1.5	711-6	0.18	63
		45	40	2113	1.1	712-6	0.25	63
	25	56	23	1964	1.7	632-4	0.18	63
		56	32	1964	1.2	711-4	0.25	63
		56	47	1964	0.8	712-4	0.37	63
		36	34	2276	1.3	711-6	0.18	63
		36	48	2276	0.9	712-6	0.25	63
	30	46.7	17	2087	2.6	631-4	0.12	63
		46.7	26	2087	1.7	632-4	0.18	63
		46.7	36	2087	1.3	711-4	0.25	63
		46.7	53	2087	0.8	712-4	0.37	63
		30	19	2419	2.6	631-6	0.09	63
		30	25	2419	1.9	632-6	0.12	63
		30	38	2419	1.3	711-6	0.18	63
		30	53	2419	0.9	712-6	0.25	63
	40	35	21	2298	1.9	631-4	0.12	63
		35	32	2298	1.3	632-4	0.18	63
		35	44	2298	0.9	711-4	0.25	63
		22.5	24	2662	1.9	631-6	0.09	63
		22.5	32	2662	1.4	632-6	0.12	63
		22.5	47	2662	1.0	711-6	0.18	63
	50	28	19	2475	2.0	562-4	0.09	63
		28	25	2475	1.5	631-4	0.12	63
		28	38	2475	1.0	632-4	0.18	63
		18	18	2868	2.3	562-6	0.06	63
		18	27	2868	1.5	631-6	0.09	63
		18	36	2868	1.2	632-6	0.12	63
	60	23.3	21	2630	1.7	562-4	0.09	63
		23.3	28	2630	1.3	631-4	0.12	63
		23.3	43	2630	0.8	632-4	0.18	63
		15	21	3047	1.9	562-6	0.06	63
		15	31	3047	1.3	631-6	0.09	63
		15	41	3047	0.9	632-6	0.12	63
	80	17.5	26	2895	1.3	562-4	0.09	63
		17.5	34	2895	1.0	631-4	0.12	63
		11.3	24	3354	1.4	562-6	0.06	63
		11.3	37	3354	1.0	631-6	0.09	63
	100	14	29	3118	1.0	562-4	0.09	63
		14	38	3118	0.8	631-4	0.12	63
		9	27	3490	1.2	562-6	0.06	63
		9	41	3490	0.8	631-6	0.09	63

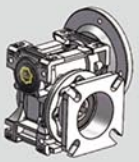
SJMRV040



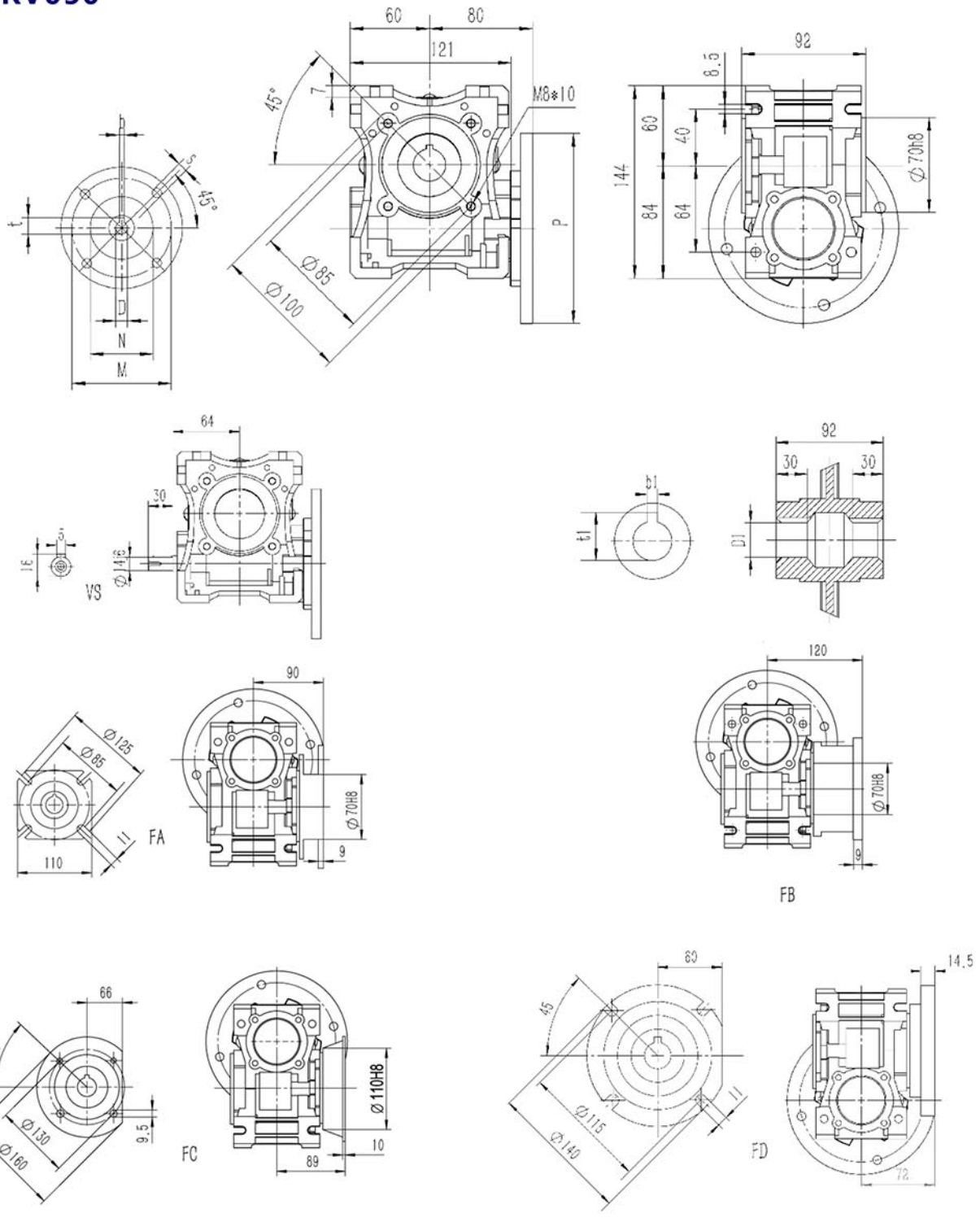
PAM / IEC	DE8	b	t	P	M	N	S
71B5	14	5	16.3	160	130	110	8.5
71B14	14	5	16.3	105	85	70	6.5
63B5	11	4	12.8	140	115	95	9
63B14	11	4	12.8	90	75	60	6
56B5	9	3	10.4	120	100	80	6.5

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		

9.5 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	64
		280	23	1577	2.7	802-4	0.75	64
		180	17	1827	4.3	801-6	0.37	64
	7.5	186.7	25	1805	2.9	801-4	0.55	64
		186.7	34	1805	2.1	802-4	0.75	64
		120	25	2091	3.3	801-6	0.37	64
		120	38	2091	2.2	802-6	0.55	64
	10	140	22	1987	3.3	712-4	0.37	64
		140	32	1987	2.2	801-4	0.55	64
		140	44	1987	1.6	802-4	0.75	64
		90	33	2302	2.5	801-6	0.37	64
		90	49	2302	1.7	802-6	0.55	64
	15	93.3	31	2274	2.4	712-4	0.37	64
		93.3	46	2274	1.6	801-4	0.55	64
		93.3	63	2274	1.2	802-4	0.75	64
		60	47	2635	1.8	801-6	0.37	64
		60	69	2635	1.2	802-6	0.55	64
	20	70	27	2503	2.7	711-4	0.25	64
		70	40	2503	1.8	712-4	0.37	64
		70	59	2503	1.2	801-4	0.55	64
		70	81	2503	0.9	802-4	0.75	64
		45	40	2900	1.9	712-6	0.25	64
		45	60	2900	1.3	801-6	0.37	64
		45	89	2900	0.9	802-6	0.55	64
	25	56	32	2696	2.2	711-4	0.25	64
		56	48	2696	1.5	712-4	0.37	64
		56	71	2696	1.0	801-4	0.55	64
		36	48	3124	1.5	712-6	0.25	64
		36	72	3124	1.0	801-6	0.37	64
	30	46.7	37	2865	2.3	711-4	0.25	64
		46.7	55	2865	1.5	712-4	0.37	64
		46.7	81	2865	1.0	801-4	0.55	64
		30	54	3320	1.7	712-6	0.25	64
		30	80	3320	1.1	801-6	0.37	64
	40	35	33	3153	2.3	632-4	0.18	64
		35	46	3153	1.7	711-4	0.25	64
		35	68	3153	1.1	712-4	0.37	64
		22.5	32	3654	2.6	632-6	0.12	64
		22.5	67	3654	1.2	712-6	0.25	64
	50	28	39	3397	1.9	632-4	0.18	64
		28	54	3397	1.4	711-4	0.25	64
		28	80	3397	0.9	712-4	0.37	64
		18	38	3936	2.0	632-6	0.12	64
		18	56	3936	1.4	711-6	0.18	64
		18	78	3936	1.0	712-6	0.25	64
	60	23.3	29	3610	2.3	631-4	0.12	64
		23.3	43	3610	1.6	632-4	0.18	64
		23.3	60	3610	1.1	711-4	0.25	64
		23.3	89	3610	0.8	712-4	0.37	64
		15	32	4183	2.3	631-6	0.09	64
		15	42	4183	1.7	632-6	0.12	64
		15	63	4183	1.1	711-6	0.18	64
		15	88	4183	0.8	712-6	0.25	64
	80	17.5	35	3973	1.9	631-4	0.12	64
		17.5	52	3973	1.2	632-4	0.18	64
		17.5	72	3973	0.9	711-4	0.25	64
		11.3	37	4604	1.8	631-6	0.09	64
		11.3	50	4604	1.4	632-6	0.12	64
		11.3	75	4604	0.9	711-6	0.18	64
	100	14	40	4280	1.4	631-4	0.12	64
		14	60	4280	0.9	632-4	0.18	64
		9	42	4840	1.3	631-6	0.09	64
		9	56	4840	1.0	632-6	0.12	64

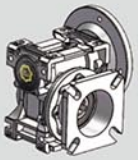
SJMRV050



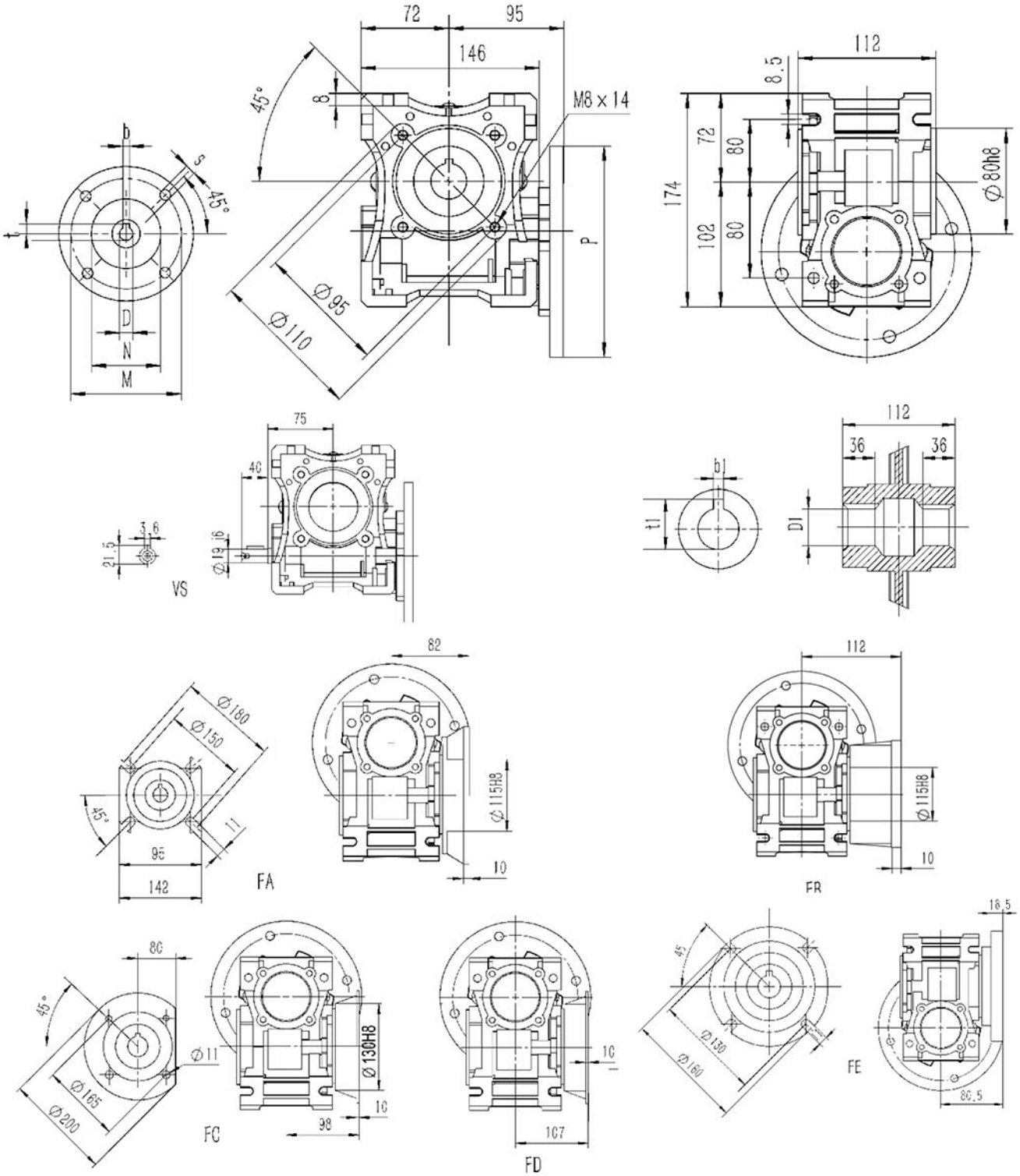
PAM / IEC	DE8	b	t	P	M	N	S
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	6.5
71B5	14	5	16.3	160	130	110	8.5
71B14	14	5	16.3	105	85	70	7
63B5	11	4	12.8	140	115	95	8.5

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

9.6 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	65
		280	44	2076	2.3	90L-4	1.5	65
		180	33	2406	3.7	90S-6	0.75	65
		180	49	2406	2.5	90L-6	1.1	65
	7.5	186.7	50	2359	2.6	90S-4	1.1	65
		186.7	68	2359	1.9	90L-4	1.5	65
		120	52	2734	2.9	90S-6	0.75	65
		120	76	2734	2.0	90L-6	1.1	65
	10	140	65	2597	2.0	90S-4	1.1	65
		140	89	2597	1.5	90L-4	1.5	65
		90	68	3009	2.3	90S-6	0.75	65
		90	99	3009	1.5	90L-6	1.1	65
	15	93.3	64	2973	2.2	802-4	0.75	65
		93.3	93	2973	1.5	90S-4	1.1	65
		93.3	127	2973	1.1	90L-4	1.5	65
		60	71	3444	2.2	802-6	0.55	65
		60	97	3444	1.6	90S-6	0.75	65
		60	142	3444	1.1	90L-6	1.1	65
	20	70	61	3272	2.2	801-4	0.55	65
		70	83	3272	1.6	802-4	0.75	65
		70	166	3272	0.8	90L-4	1.5	65
		70	122	3272	1.1	90S-4	1.1	65
		45	60	3791	2.4	801-6	0.37	65
		45	90	3791	1.6	802-6	0.55	65
		45	123	3791	1.2	90S-6	0.75	65
		45	180	3791	0.8	90L-6	1.1	65
	25	56	73	3524	1.8	801-4	0.55	65
		56	100	3524	1.3	802-4	0.75	65
		56	146	3524	0.9	90S-4	1.1	65
		36	74	4084	1.9	801-6	0.37	65
		36	109	4084	1.3	802-6	0.55	65
		36	149	4084	0.9	90S-6	0.75	65
	30	46.7	83	3745	1.9	801-4	0.55	65
		46.7	114	3745	1.4	802-4	0.75	65
		46.7	167	3745	1.0	90S-4	1.1	65
		30	82	4339	2.1	801-6	0.37	65
		30	123	4339	1.4	802-6	0.55	65
		30	167	4339	1.0	90S-6	0.75	65
	40	35	71	4122	2.1	712-4	0.37	65
		35	105	4122	1.4	801-4	0.55	65
		35	143	4122	1.0	802-4	0.75	65
		22.5	102	4776	1.6	801-6	0.37	65
		22.5	152	4776	1.1	802-6	0.55	65
	50	28	56	4440	2.4	711-4	0.25	65
		28	83	4440	1.6	712-4	0.37	65
		28	124	4440	1.1	801-4	0.55	65
		18	81	5145	1.8	712-6	0.25	65
		18	120	5145	1.2	801-6	0.37	65
	60	23.3	63	4719	2.0	711-4	0.25	65
		23.3	94	4719	1.4	712-4	0.37	65
		23.3	140	4719	0.9	801-4	0.55	65
		15	66	5467	2.1	711-6	0.18	65
		15	92	5467	1.5	712-6	0.25	65
		15	137	5467	1.0	801-6	0.37	65
	80	17.5	78	5193	1.6	711-4	0.25	65
		17.5	115	5193	1.1	712-4	0.37	65
		11.3	79	6018	1.6	711-6	0.18	65
		11.3	110	6018	1.2	712-6	0.25	65
	100	14	87	5595	1.4	711-4	0.25	65
		14	129	5595	0.9	712-4	0.37	65
		9	90	6270	1.4	711-6	0.18	65
		9	125	6270	1.0	712-6	0.25	65

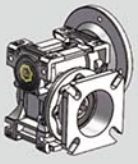
SJMRV063



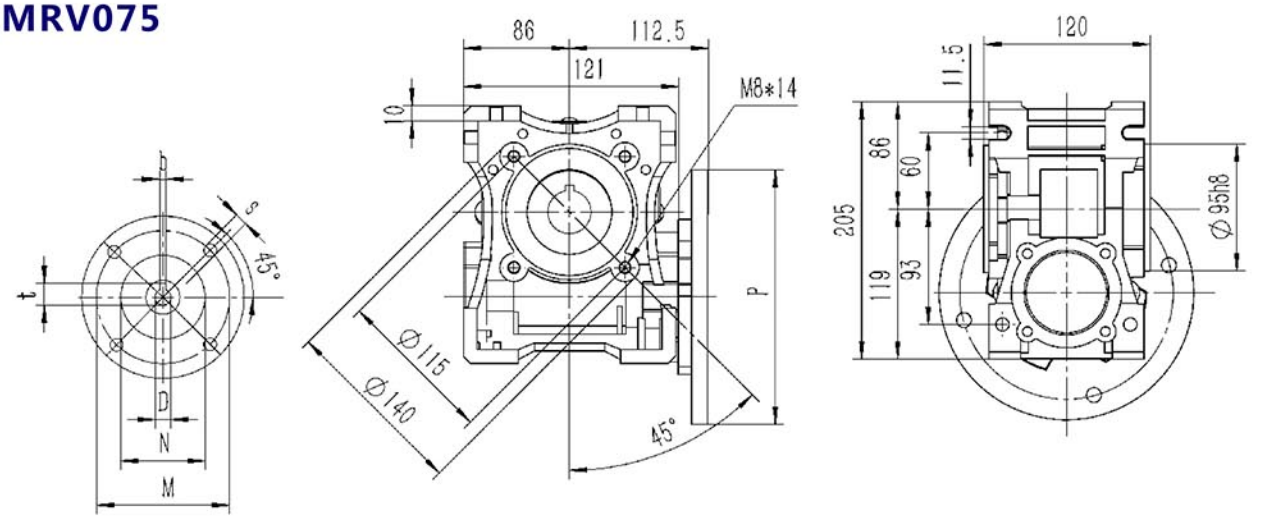
PAM / IEC	DE8	b	t	p	M	N	S
90B5	24	8	27.3	200	165	130	11
90B14	24	8	27.3	140	115	95	9
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	7
71B5	14	5	16.3	160	130	110	8.5
71B14	14	5	16.3	105	85	70	7

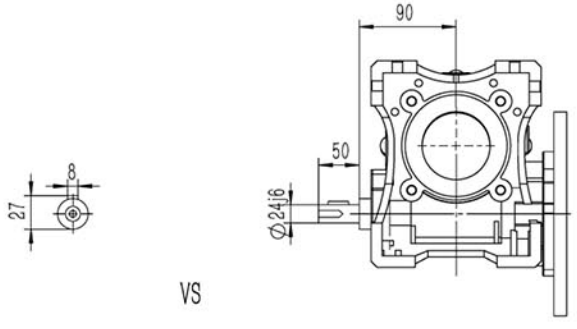
输出 output	$D1_{H8}$	b1	t1
	25	8	28.3
	(28)	(8)	(31.3)
	(...)根据用户要求定制 (...)Only on request		

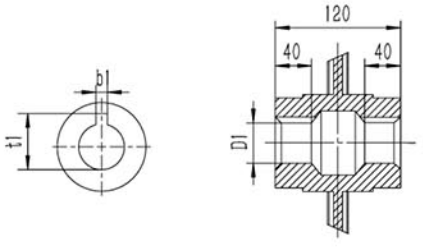
9.7 SJMRV075选型表/Selection Table

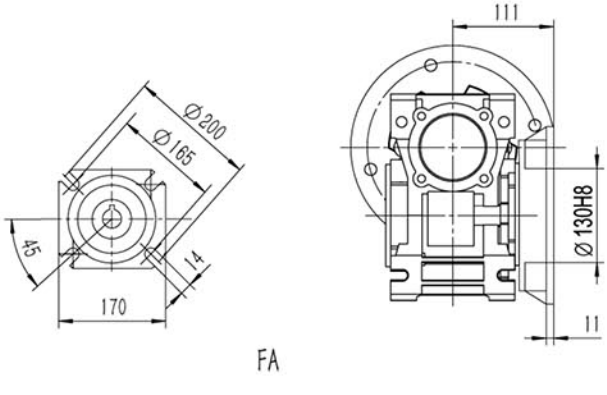
减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV075 	7.5	186.7	100	2785	1.8	100L1-4	2.2	68
		186.7	137	2785	1.4	100L2-4	3.0	66
		186.7	182	2785	1.0	112M-4	4.0	66
		120	105	3227	2.0	100L-6	1.5	66
	10	140	90	3065	2.2	90L-4	1.5	66
		140	132	3065	1.5	100L1-4	2.2	68
		140	180	3065	1.1	100L2-4	3.0	66
		140	240	3065	0.8	112M-4	4.0	66
		90	100	3551	2.3	90L-6	1.1	66
		90	137	3551	1.7	100L-6	1.5	66
	15	93.3	96	3509	2.1	90S-4	1.1	66
		93.3	130	3509	1.5	90L-4	1.5	66
		93.3	191	3509	1.0	100L1-4	2.2	68
		93.3	261	3509	0.8	100L2-4	3.0	66
		60	98	4065	2.4	90S-6	0.75	66
		60	144	4065	1.6	90L-6	1.1	66
		60	196	4065	1.2	100L-6	1.5	66
	20	70	123	3862	1.7	90S-4	1.1	66
		70	168	3862	1.3	90L-4	1.5	66
		45	126	4474	1.9	90S-6	0.75	66
		45	184	4474	1.3	90L-6	1.1	66
	25	56	102	4160	2.0	802-4	0.75	66
		56	150	4160	1.3	90S-4	1.1	66
		56	205	4160	1.0	90L-4	1.5	66
		36	153	4820	1.4	90S-6	0.75	66
		36	225	4820	1.0	90L-6	1.1	66
	30	46.7	117	4421	2.0	802-4	0.75	66
		46.7	171	4421	1.3	90S-4	1.1	66
		46.7	233	4421	1.0	90L-4	1.5	66
		30	128	5122	2.0	802-6	0.55	66
		30	174	5122	1.5	90S-6	0.75	66
		30	256	5122	1.0	90L-6	1.1	66
	40	35	108	4865	2.0	801-4	0.55	66
		35	147	4865	1.5	802-4	0.75	66
		35	216	4865	1.0	90S-4	1.1	66
		22.5	159	5637	1.5	802-6	0.55	66
		22.5	216	5637	1.1	90S-6	0.75	66
	50	28	129	5241	1.6	801-4	0.55	66
		28	177	5241	1.2	802-4	0.75	66
		18	126	6073	1.8	801-6	0.37	66
		18	187	6073	1.2	802-6	0.55	66
	60	23.3	98	5569	2.0	712-4	0.37	66
		23.3	146	5569	1.4	801-4	0.55	66
		23.3	200	5569	1.0	802-4	0.75	66
		15	144	6453	1.5	801-6	0.37	66
		15	214	6453	1.0	802-6	0.55	66
	80	17.5	82	6130	2.3	711-4	0.25	66
		17.5	121	6130	1.6	712-4	0.37	66
		17.5	180	6130	1.1	801-4	0.55	66
		11.3	117	7103	1.7	712-6	0.25	66
		11.3	173	7103	1.2	801-6	0.37	66
	100	14	94	6603	1.9	711-4	0.25	66
		14	139	6603	1.3	712-4	0.37	66
		14	206	6603	0.9	801-4	0.55	66
		9	133	7380	1.4	712-6	0.25	66
		9	196	7380	1.0	801-6	0.37	66

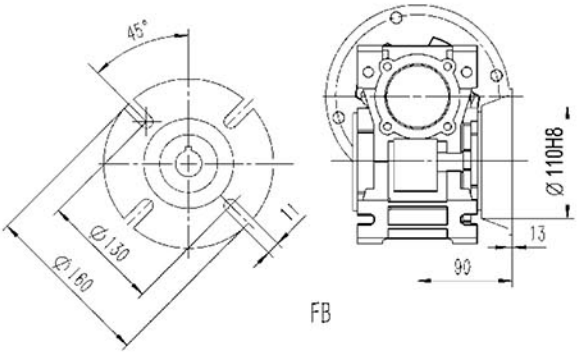
SJMRV075







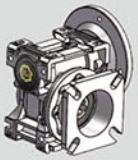




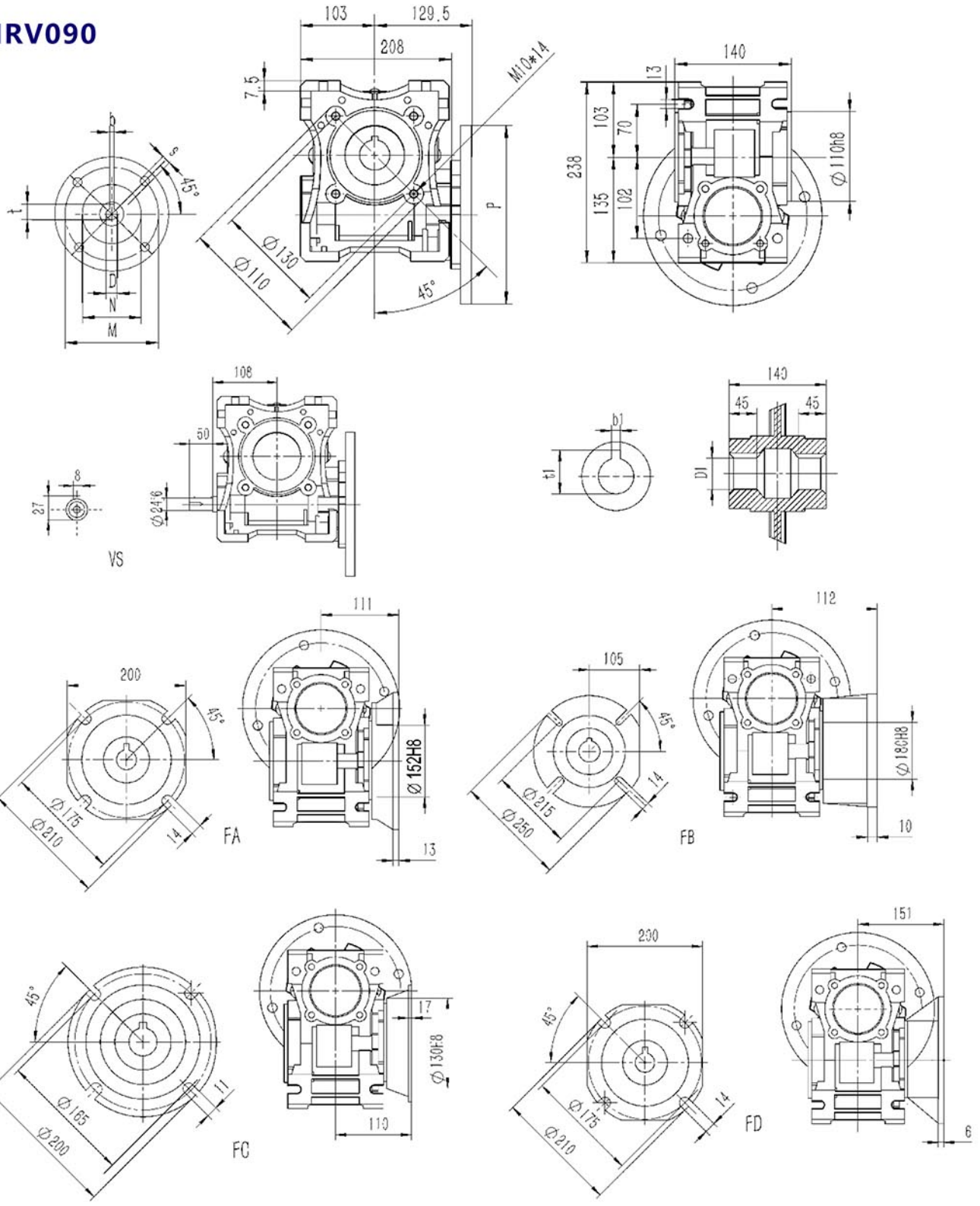
PAM / IEC	DE8	b	t	p	M	N	S
100/112B5	28	8	31.3	250	215	180	13
100/112B14	28	8	31.3	160	130	110	9
90B5	24	8	27.3	200	165	130	11
90B14	24	8	27.3	140	115	95	9
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	6.5
71B5	14	5	16.3	160	130	110	9

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		

9.8 SJMRV090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 of Motor (mm)
SJMRV090 	7.5	186.7	101	3081	2.9	100L1-4	2.2	68
		186.7	138	3081	2.1	100L2-4	3	67
		186.7	184	3081	1.6	112M-4	4	67
		120	156	3570	2.2	112M-6	2.2	68
	10	140	134	3391	2.3	100L1-4	2.2	68
		140	182	3391	1.7	100L2-4	3	67
		140	243	3391	1.3	112M-4	4	67
		90	138	3929	2.7	100L-6	1.5	67
		90	203	3929	1.8	112M-6	2.2	68
	15	93.3	194	3882	1.9	100L1-4	2.2	68
		93.3	264	3882	1.4	100L2-4	3	67
		93.3	352	3882	1.0	112M-4	4	67
		60	201	4498	2.1	100L-6	1.5	67
		60	294	4498	1.4	112M-6	2.2	68
	20	70	172	4273	2.1	90L-4	1.5	67
		70	252	4273	1.4	100L1-4	2.2	68
		70	344	4273	1.0	100L2-4	3	67
		70	458	4273	0.8	112M-4	4	67
		45	258	4951	1.5	100L-6	1.5	67
		45	378	4951	1.0	112M-6	2.2	68
	25	56	210	4603	1.6	90L-4	1.5	67
		56	308	4603	1.1	100L1-4	2.2	68
		56	420	4603	0.8	100L2-4	3	67
		36	231	5333	1.6	90L-6	1.1	67
		36	314	5333	1.2	100L-6	1.5	67
	30	46.7	239	4891	1.7	90L-4	1.5	67
		46.7	351	4891	1.2	100L1-4	2.2	68
		46.7	479	4891	0.9	100L2-4	3	67
		30	179	5667	2.6	90S-6	0.75	67
		30	263	5667	1.8	90L-6	1.1	67
		30	358	5667	1.3	100L-6	1.5	67
	40	35	225	5383	1.6	90S-4	1.1	67
		35	307	5383	1.2	90L-4	1.5	67
		22.5	226	6238	1.8	90S-6	0.75	67
		22.5	331	6238	1.2	90L-6	1.1	67
	50	28	184	5799	1.8	802-4	0.75	67
		28	270	5799	1.3	90S-4	1.1	67
		28	368	5799	0.9	90L-4	1.5	67
		18	198	6719	2.0	802-6	0.55	67
		18	271	6719	1.4	90S-6	0.75	67
		18	397	6719	1.0	90L-6	1.1	67
	60	23.3	212	6163	1.5	802-4	0.75	67
		23.3	311	6163	1.0	90S-4	1.1	67
		23.3	424	6163	0.8	90L-4	1.5	67
		15	224	7140	1.6	802-6	0.55	67
		15	306	7140	1.1	90S-6	0.75	67
		15	448	7140	0.8	90L-6	1.1	67
	80	17.5	189	6783	1.5	801-4	0.55	67
		17.5	258	6783	1.1	802-4	0.75	67
		11.3	185	7859	1.7	801-6	0.37	67
		11.3	275	7859	1.1	802-6	0.55	67
	100	14	221	7306	1.2	801-4	0.55	67
		14	302	7306	0.9	802-4	0.75	67
		9	212	8180	1.3	801-6	0.37	67
		9	315	8180	0.9	802-6	0.55	67

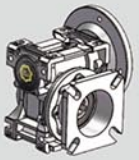
SJMRV090



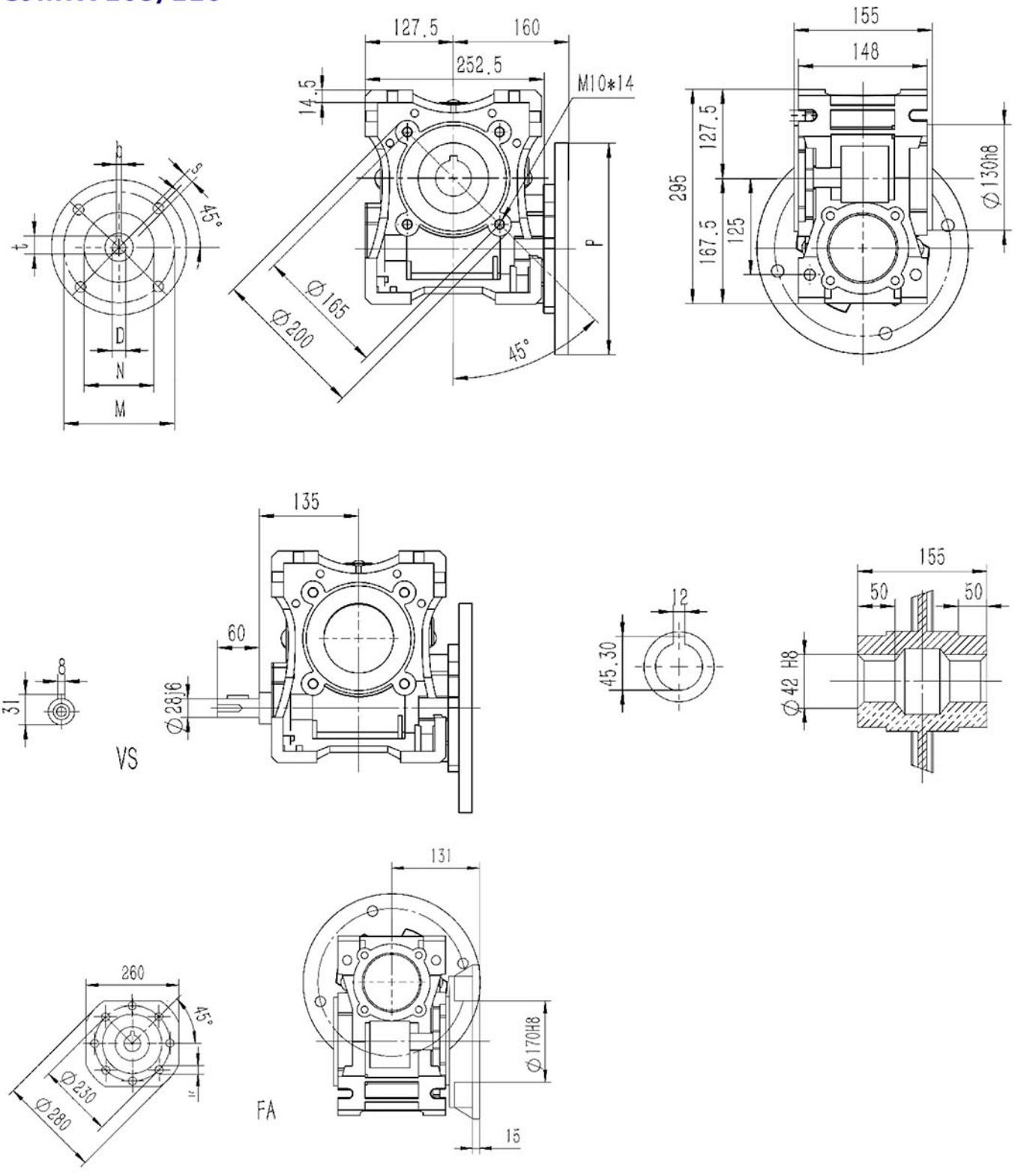
PAM / IEC	DE8	b	t	p	M	N	S
100/112B5	28	8	31.3	250	215	180	13
100/112B14	28	8	31.3	160	130	110	9
90B5	24	8	27.3	200	165	130	11
90B14	24	8	27.3	140	115	95	9
80B5	19	6	21.8	200	165	130	11
80B14	19	6	21.8	120	100	80	6.5

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		

9.9 SJMRV105、110选型表/Selction table

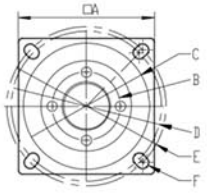
减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV105/110 	7.5	186.7	253	3893	1.9	132S-4	5.5	68
		186.7	345	3893	1.4	132M-4	7.5	68
		120	212	4511	2.7	132S-6	3	68
		120	283	4511	2	132M1-6	4	68
	10	140	243	4285	2.1	112M-4	4	68
		140	334	4285	1.6	132S-4	5.5	68
		140	455	4285	1.1	132M-4	7.5	68
		90	205	4965	3	112M-6	2.2	68
		90	280	4965	2.2	132S-6	3	68
		90	374	4965	1.7	132M1-6	4	68
	15	93.3	264	4905	2.2	100L2-4	3	68
		93.3	352	4905	1.6	112M-4	4	68
		93.3	484	4905	1.2	132S-4	5.5	68
		93.3	660	4905	0.9	132M-4	7.5	68
		60	298	5684	2.2	112M-6	2.2	68
		60	406	5684	1.6	132S-6	3	68
		60	541	5684	1.2	132M1-6	4	68
	20	70	255	5399	2.2	100L1-4	2.2	68
		70	348	5399	1.6	100L2-4	3	68
		70	464	5399	1.2	112M-4	4	68
		70	638	5399	0.9	132S-4	5.5	68
		45	264	6256	2.4	100L-6	1.5	68
		45	388	6256	1.6	112M-6	2.2	68
		45	528	6256	1.2	132S-6	3	68
	25	56	315	5816	1.9	100L1-4	2.2	68
		56	430	5816	1.4	100L2-4	3	68
		56	573	5816	1	112M-4	4	68
		36	322	6739	2	100L-6	1.5	68
		36	473	6739	1.4	112M-6	2.2	68
	30	46.7	356	6181	1.8	100L1-4	2.2	68
		46.7	485	6181	1.3	100L2-4	3	68
		46.7	647	6181	1	112M-4	4	68
		30	363	7161	2	100L-6	1.5	68
		30	532	7161	1.4	112M-6	2.2	68
	40	35	319	6803	1.9	90L-4	1.5	68
		35	468	6803	1.3	100L1-4	2.2	68
		35	638	6803	1	100L2-4	3	68
		22.5	345	7882	2	90L-6	1.1	68
		22.5	471	7882	1.5	100L-6	1.5	68
	50	28	281	7328	2.1	90S-4	1.1	68
		28	384	7328	1.6	90L-4	1.5	68
		28	563	7328	1.1	100L1-4	2.2	68
		28	767	7328	0.8	100L2-4	3	68
		18	414	8491	1.6	90L-6	1.1	68
		18	565	8491	1.2	100L-6	1.5	68
	60	23.3	324	7787	1.7	90S-4	1.1	68
		23.3	442	7787	1.3	90L-4	1.5	68
		23.3	648	7787	0.9	100L1-4	2.2	68
		15	325	9023	1.9	90S-6	0.75	68
		15	476	9023	1.3	90L-6	1.1	68
		15	649	9023	1	100L-6	1.5	68
	80	17.5	201	8571	2.4	801-4	0.55	68
		17.5	274	8571	1.8	802-4	0.75	68
		17.5	402	8571	1.2	90S-4	1.1	68
		17.5	548	8571	0.9	90L-4	1.5	68
		11.3	294	9931	1.8	802-6	0.55	68
		11.3	401	9931	1.3	90S-6	0.75	68
		11.3	588	9931	0.9	90L-6	1.1	68
	100	14	236	9232	1.9	801-4	0.55	68
		14	322	9232	1.4	802-4	0.75	68
		14	473	9232	1	90S-4	1.1	68
		9	338	10320	1.4	802-6	0.55	68
		9	462	10320	1.1	90S-6	0.75	68

SJMRV105/110



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

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



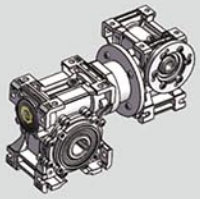
减速机型号 Gearbox Size	法兰规格 Flange size	A	B	C	D	E	F
SJMRV030	60*60	60	45	50	70	/	M5
	80*80	80	45	60	90	94	6.6
	80*80	80	45	70	90	94	6.6
	85*85	85	45	60	90	98	6.6
	85*85	85	45	70	90	98	6.6
	90*90	90	45	83	102	106	6.6
	104*104	104	45	94	115	120	8.8
	104*104	104	45	98	115	120	8.8
SJMRV040	60*60	60	57	50	70	/	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

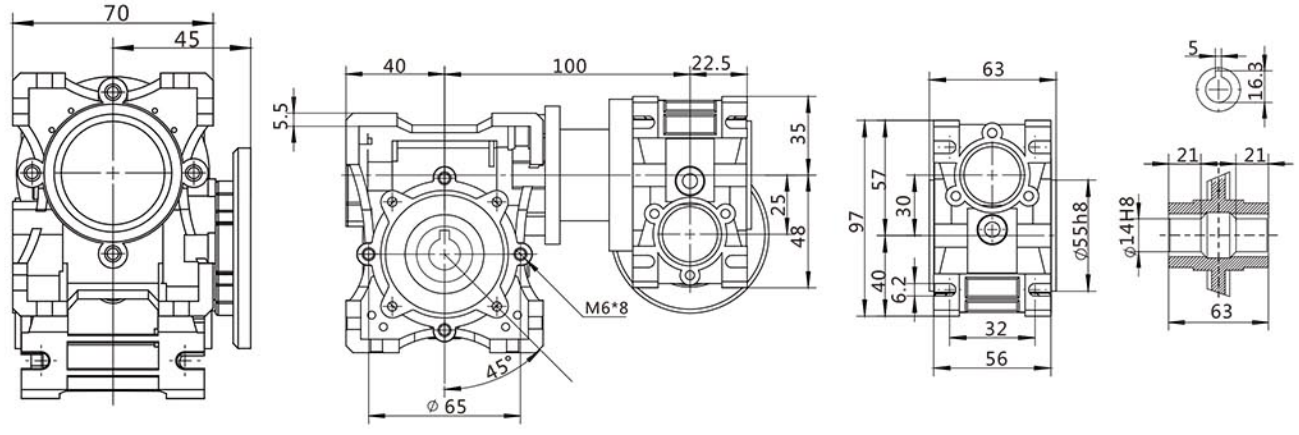
10.1 SJMRV-RV组合表/Combination Table

SJMRV+SJMRV	i=il*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												

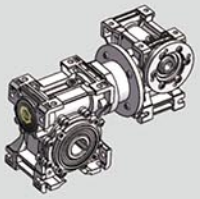
10.2 SJMRV-RV025/030选型表/Selection Table

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	76
		14	38	1620	0.8	562-4	0.09	76
	150	9.3	32	1830	0.9	561-4	0.06	76
		9.3	49	1830	0.6	562-4	0.09	76
	200	7	41	1830	0.7	561-4	0.06	76
		7	62	1830	0.5	562-4	0.09	76
	250	5.6	44	1830	0.8	561-4	0.06	76
		5.6	66	1830	0.5	562-4	0.09	76
	300	4.7	75	1830	0.4	562-4	0.09	76
	400	3.5	107	1830	0.3	562-4	0.09	76
	500	2.8	115	1830	0.3	562-4	0.09	76
	600	2.3	135	1830	0.2	562-4	0.09	76
	750	1.9	151	1830	0.2	562-4	0.09	76
	900	1.6	178	1830	0.2	562-4	0.09	76
	1200	1.2	212	1830	0.1	562-4	0.09	76
	1500	0.9	247	1830	0.1	562-4	0.09	76
	1800	0.78	304	1830	0.1	562-4	0.09	76
	2400	0.58	340	1830	0.1	562-4	0.09	76
	3000	0.47	405	1830	0.1	562-4	0.09	76

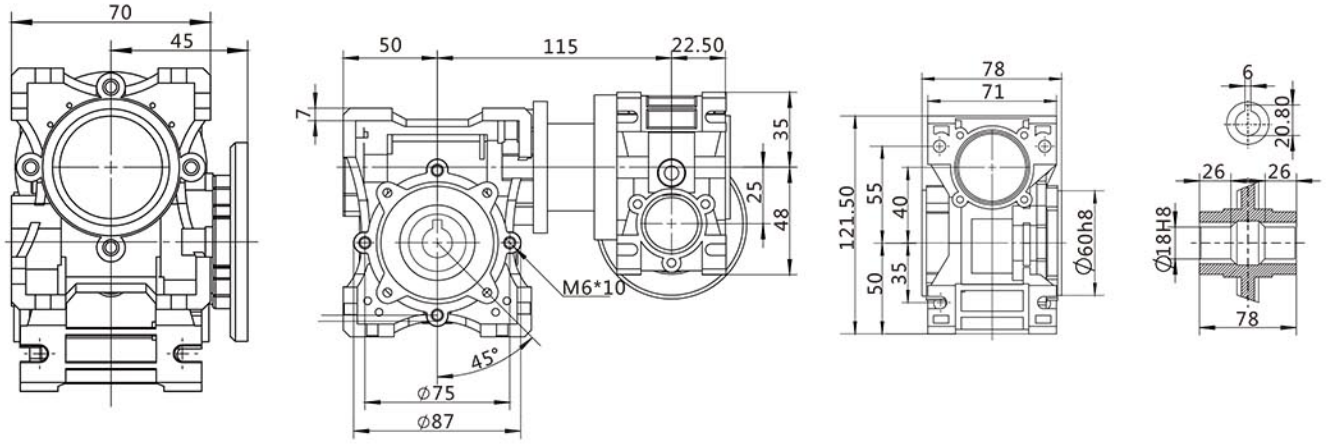
SJMRV-RV025/030



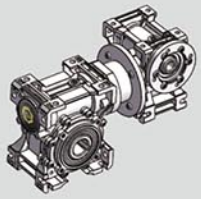
10.3 SJMRV-RV025/040选型表/Selection Table

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	76
	400	3.5	71	3490	0.9	561-4	0.06	76
	500	2.8	82	3490	0.7	561-4	0.06	76
	600	2.3	101	3490	0.6	561-4	0.06	76
	750	1.9	116	3490	0.5	561-4	0.06	76
	900	1.6	143	3490	0.5	561-4	0.06	76
	1200	1.2	171	3490	0.4	561-4	0.06	76
	1500	0.9	197	3490	0.3	561-4	0.06	76
	1800	0.8	217	3490	0.3	561-4	0.06	76
	2400	0.6	268	3490	0.2	561-4	0.06	76
	3000	0.5	324	3490	0.2	561-4	0.06	76
	4000	0.4	294	3490	0.1	561-4	0.06	76
	5000	0.3	356	3490	0.1	561-4	0.06	76

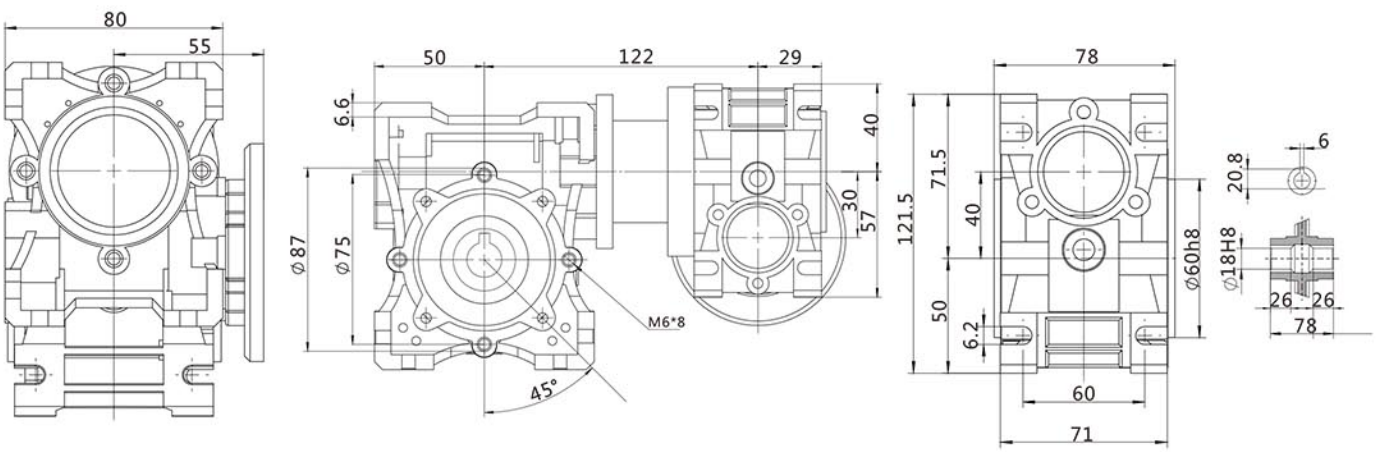
SJMRV-RV025/040



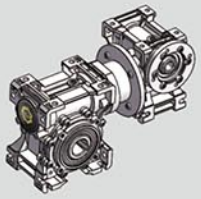
10.4 SJMRV-RV030/040选型表/Selection Table

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	77
		4.7	88	3490	0.8	562-4	0.09	77
	400	3.5	70	3490	0.9	561-4	0.06	77
	500	2.8	96	3490	0.6	561-4	0.06	77
	600	2.3	104	3490	0.7	561-4	0.06	77
	750	1.9	121	3490	0.6	561-4	0.06	77
	900	1.6	139	3490	0.5	561-4	0.06	77
	1200	1.2	166	3490	0.4	561-4	0.06	77
	1500	0.9	196	3490	0.4	561-4	0.06	77
	1800	0.8	218	3490	0.3	561-4	0.06	77
	2400	0.58	261	3490	0.2	561-4	0.06	77
	3000	0.47	350	3490	0.2	561-4	0.06	77
	4000	0.4	279	3490	0.1	561-4	0.06	77
	5000	0.28	338	3490	0.1	561-4	0.06	77

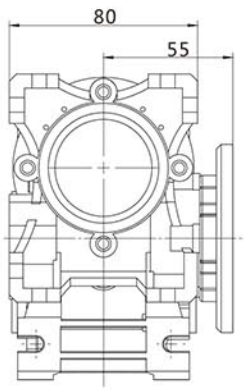
SJMRV-RV030/040

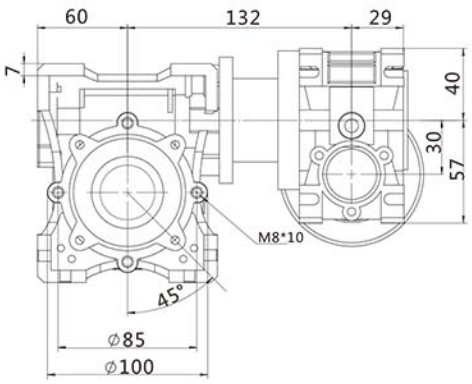


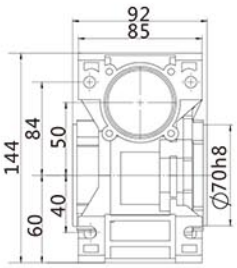
10.5 SJMRV-RV030/050选型表/Selection Table

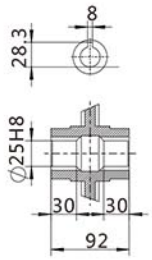
减速器型号	减速比	输出转速	输出扭矩	输出载荷	工作系数	电机型号	输入功率	电机长度
Type	i	n2 (min-1)	Mn2 (Nm)	Fr2 (N)	f.s.	Motor size	P1 (kW)	Lenth of Motor (mm)
SJMRV-RV030/050 	300	4.7	119	4840	1.2	631-4	0.12	77
		4.7	155	4840	0.8	631-4	0.18	77
	400	3.5	107	4840	1.2	562-4	0.09	77
		3.5	142	4840	0.9	631-4	0.12	77
	500	2.8	123	4840	1	562-4	0.09	77
		2.8	164	4840	0.7	631-4	0.12	77
	600	2.3	159	4840	0.9	562-4	0.09	77
	750	1.9	185	4840	0.8	562-4	0.09	77
	900	1.6	141	4840	1	561-4	0.06	77
		1.6	212	4840	0.7	562-4	0.09	77
	1200	1.2	169	4840	0.7	561-4	0.06	77
	1500	0.93	199	4840	0.7	561-4	0.06	77
	1800	0.78	222	4840	0.7	561-4	0.06	77
	2400	0.6	266	4840	0.5	561-4	0.06	77
	3000	0.5	307	4840	0.4	561-4	0.06	77
	4000	0.35	288	4840	0.3	561-4	0.06	77
	4800	0.29	311	4840	0.3	561-4	0.06	77

SJMRV-RV030/050

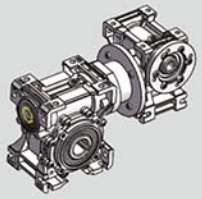




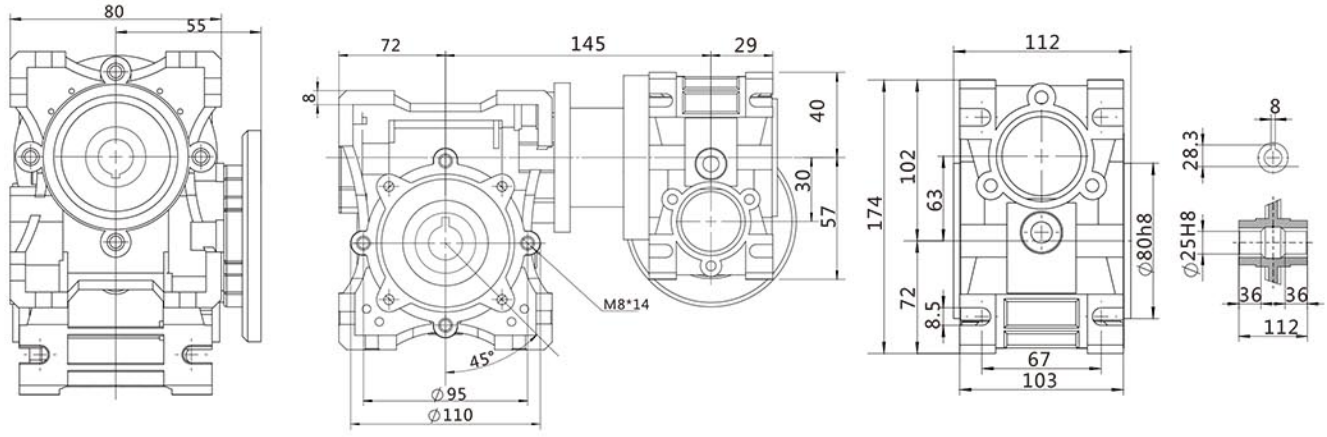




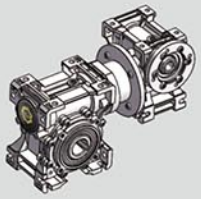
10.6 SJMRV-RV030/063选型表/Selection Table

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	77
	400	3.5	222	6270	1	632-4	0.18	77
	500	2.8	171	6270	1.3	631-4	0.12	77
		2.8	257	6270	0.8	632-4	0.18	77
	600	2.3	208	6270	1.1	631-4	0.12	77
	750	1.9	241	6270	0.9	631-4	0.12	77
	900	1.6	200	6270	1	562-4	0.09	77
	1200	1.2	263	6270	0.9	562-4	0.09	77
	1500	0.9	204	6270	1.1	561-4	0.06	77
		0.93	305	6270	0.7	562-4	0.09	77
	1800	0.78	225	6270	0.9	561-4	0.06	77
	2400	0.58	276	6270	0.8	561-4	0.06	77
	3000	0.47	319	6270	0.7	561-4	0.06	77
	4000	0.35	306	6270	0.6	561-4	0.06	77
	4800	0.29	348	6270	0.4	561-4	0.06	77

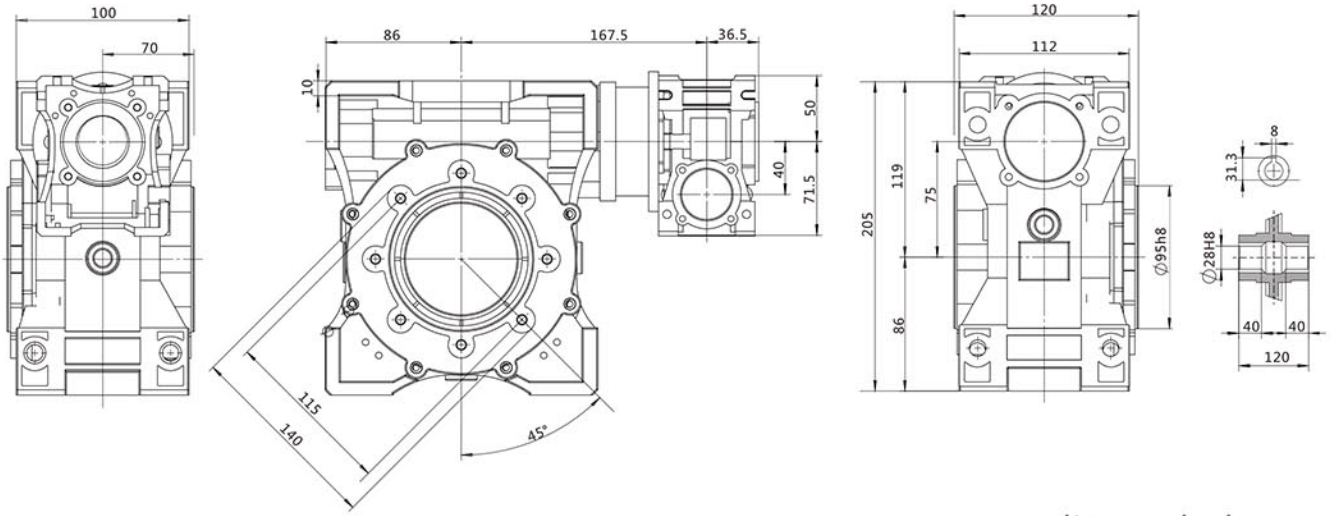
SJMRV-RV030/063



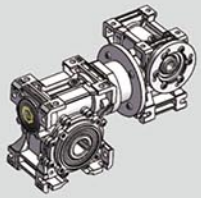
10.7 SJMRV-RV040/075选型表/Selection Table

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	78
		4.7	405	7380	1	712-4	0.37	78
	400	3.5	336	7380	1.1	711-4	0.25	78
		3.5	498	7380	0.7	712-4	0.37	78
	500	2.8	384	7380	0.8	711-4	0.25	78
		2.3	362	7380	1.1	632-4	0.18	78
	600	1.9	435	7380	0.9	632-4	0.18	78
	750	1.6	325	7380	1.2	631-4	0.12	78
	900	1.6	487	7380	0.8	632-4	0.18	78
		1.2	399	7380	0.9	631-4	0.12	78
	1200	0.9	360	7380	1.1	562-4	0.09	78
	1500	0.78	404	7380	1	562-4	0.09	78
	1800	0.6	330	7380	1.1	561-4	0.06	78
	2400	0.58	496	7380	0.7	562-4	0.09	78
	3000	0.47	377	7380	0.8	561-4	0.06	78
	4000	0.35	355	7380	0.7	561-4	0.06	78
	4800	0.29	399	7380	0.5	561-4	0.06	78

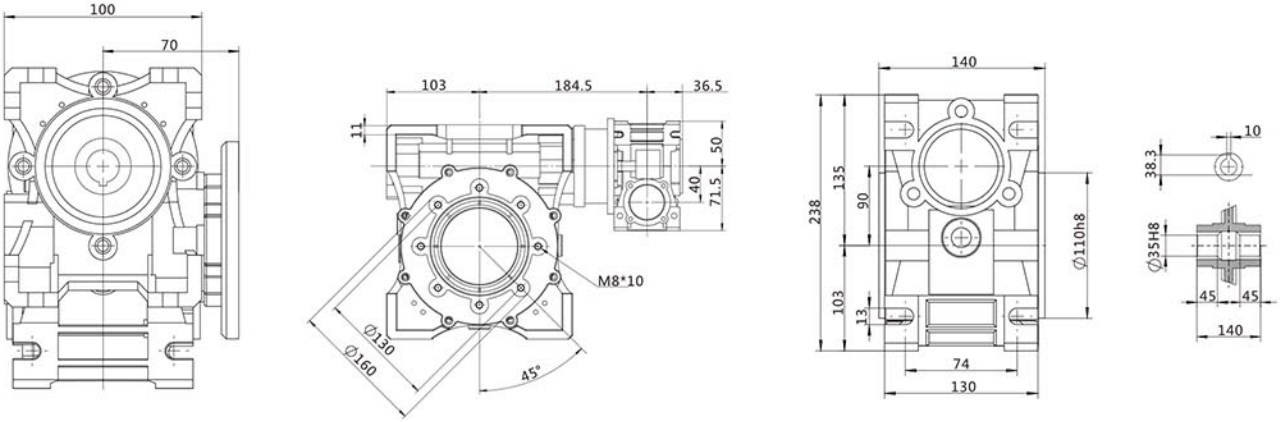
SJMRV-RV040/075



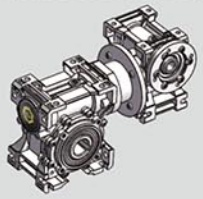
10.8 SJMRV-RV040/090选型表/SelectionTable

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	78
	400	3.5	523	8180	1.2	712-4	0.37	78
	500	2.8	611	8180	0.9	712-4	0.37	78
	600	2.3	512	8180	1.2	711-4	0.25	78
		2.3	757	8180	0.8	712-4	0.37	78
	750	1.9	598	8180	0.9	711-4	0.25	78
	900	1.6	450	8180	1.2	632-4	0.18	78
		1.6	667	8180	0.8	711-4	0.25	78
	1200	1.2	629	8180	1	632-4	0.18	78
	1500	0.93	495	8180	1.2	631-4	0.12	78
		0.93	735	8180	0.8	632-4	0.18	78
	1800	0.8	547	8180	0.9	631-4	0.12	78
	2400	0.58	469	8180	1.4	562-4	0.09	78
		0.58	695	8180	0.9	631-4	0.12	78
	3000	0.5	406	8180	1.4	561-4	0.06	78
		0.5	609	8180	0.9	562-4	0.09	78
	4000	0.35	365	8180	1.3	561-4	0.06	78
		0.35	548	8180	0.8	562-4	0.09	78
	5000	0.28	431	8180	1	561-4	0.06	78

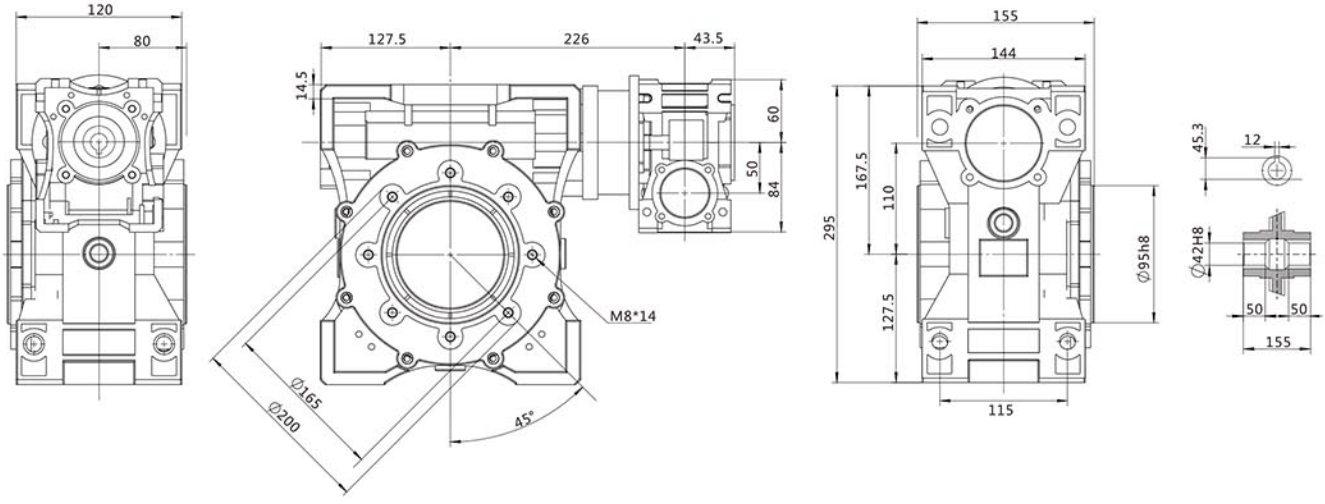
SJMRV-RV040/090



10.9 SJMRV-RV050/105(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	78
		4.7	841	9987	1.3	802-4	0.75	78
	400	3.5	797	9987	1.2	801-4	0.55	78
		3.5	1087	9987	0.9	802-4	0.75	78
	500	2.8	950	9987	1	801-4	0.55	78
	600	2.3	1140	9987	0.9	801-4	0.55	78
	750	1.9	915	9987	1.2	712-4	0.37	78
		1.9	1361	9987	0.8	801-4	0.55	78
	900	1.6	1041	9987	1	712-4	0.37	78
	1200	1.2	910	9987	1.1	711-4	0.25	78
		1.2	1347	9987	0.7	712-4	0.37	78
	1500	0.93	1026	9987	1	711-4	0.25	78
	1800	0.8	831	9987	1.3	632-4	0.18	78
		0.78	1153	9987	0.9	711-4	0.25	78
	2400	0.58	1074	9987	0.9	632-4	0.18	78
	3000	0.5	853	9987	1.1	631-4	0.12	78
	4000	0.35	756	9987	1	631-4	0.12	78
	5000	0.28	895	9987	0.76	631-4	0.12	78

SJMRV-RV050/105 050/110



安装说明与售后/INSTALLATION AND AFTER SALE

11.1 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.

11.2 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.

11.3 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)SJMRV025、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 SJMRV025、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系列的减速机，在特定的工作环境，需配排气阀(可选配件)。

SJMRV 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.

11.5 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.

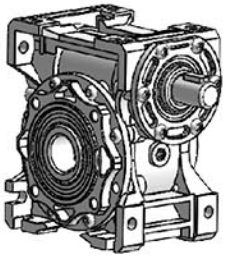
(3)开箱后暂不使用的减速机在其加工表面涂上防锈油，并应及时放置于包装箱内。
The opened but not used gear units should be added with the anti-corrosive oil on its surface, and then return to the packing containers timely.

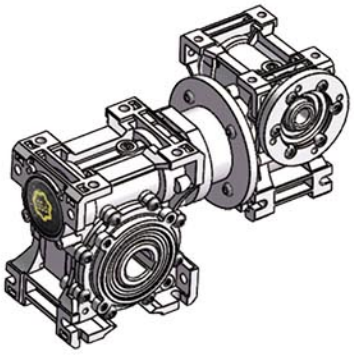
(4)在定期检查的情况下，两年以及更长时间。在进行检查时，应检查清洁度和机械损伤，检查防诱层是否完好。
Two years or more given regular inspections. Check for cleanliness and mechanical damage as part of the inspection, Check corrosion protection.

11.6 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/l** 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
捧坯切乳机** 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
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).

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:

用户单位（Name）:

地址（Add）:

电话（Tel）:

传真（Fax）:

邮编（Post):

联系人（Link man）:

选型登记表/SLECTION REGISTRATION FORM

选型登记表/SLECTION REGISTRATION FORM

系列2产品预览/SERIES 2PRODUCT PREVIEW

系列3产品预览/SERIES 3PRODUCT PREVIEW

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