



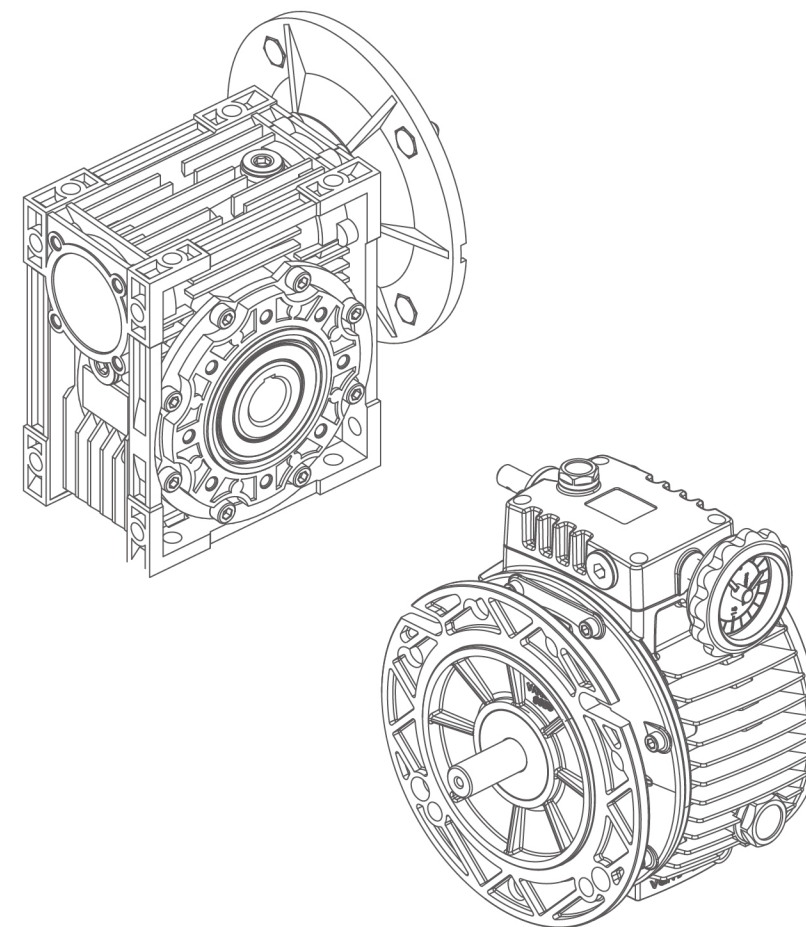
JIAOXING
椒星传动

JMRV **/ Series /**

Worm gear units
蜗轮蜗杆减速器

UDL **/ Series /**

Planetary cone&disk
step-less speed variator
行星锥盘无级变速器



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第二版第一次印刷
2019.10.18

台州椒星传动设备有限公司
Taizhou Jiaoxing transmission equipment Co.,Ltd

SINCE
1985

SINCE
1985

基本信息
GENERAL INFORMATION

A

标题 Heading	项目	Description	页码 Page
1.0	参数符号对应表	Symbols and units of measure	1
2.0	输出扭矩	Output torque	2
3.0	功率	Power	2
4.0	效率	Efficiency	2
5.0	工作系数	Service factor	3
6.0	应用限制	Critical applications	4
7.0	安装	Installation	5
8.0	电机与PAM法兰之连接	Motor mounting with PAM flange	5
9.0	无级变速器的使用和保养	Operation & Maintenance of Speed variator	5
10.0	润滑油	Lubrication	6
10.1	润滑油说明	Specifications of lubricants	6
10.2	推荐的润滑油	Specifications of lubricants recommended	6
10.3	计算润滑油加注量 (升)	Q.ty of oil in litres	7
11.0	PC的设计特点	Design features (PC)	7

JMRV 系列蜗轮蜗杆减速器
JMRV SERIES WORM GEAR UNITS

B

1.0	结构分解图和机型版本	Exploded view and Versions	9
1.1	JMRV 结构分解图	JMRV exploded view	9
1.2	PC 结构分解图	PC exploded view	10
1.3	蜗杆减速器机型版本	Versions	11
2.0	产品名称	Designation	12
3.0	配置和组合	Disposition and combinations	14
3.1	JMRV 基本配置	JMRV Pre-disposition	14
3.2	PC+JMRV 组合方式	PC+JMRV Possible combinations	15
3.3	JMRV+JMRV 组合方式	JMRV+JMRV Possible combinations	16
3.4	UDL+JMRV 组合方式	UDL+JMRV Possible combinations	17
4.0	传动不可逆性	Irreversibility	18
5.0	啮合参数	Mesh data	19
5.1	蜗杆螺旋线、蜗轮齿牙和效率	Worm thread, worm wheel tooth and efficiency data	19
5.2	旋转方向	Direction of rotation	20
6.0	安装方位	Mounting positions	21
7.0	附件位置图	Accessories positions diagram	23
8.0	径向负荷	Radial load	24
9.0	蜗杆减速器选型表	Worm-gear unit selection charts	26
9.1	JMRV, JMRV+JMRV, PC+JMRV 性能参数	JMRV, JMRV+JMRV, PC+JMRV Performance	26
9.2	JRV 性能参数	JRV Performance	47
9.3	JRV+JMRV 性能参数	JRV+JMRV Performance	53
9.4	UDL+JMRV 性能参数	UDL+JMRV Performance	55
10.0	减速器尺寸图	Speed reducer unit dimensions charts	59
10.1	JMRV 尺寸图	JMRV Dimensions charts	59
10.2	PC+JMRV 尺寸图	PC+JMRV Dimensions charts	70
10.3	JMRV+JMRV 尺寸图	JMRV+JMRV Dimensions charts	74
10.4	UDL+JMRV 尺寸图	UDL+JMRV Dimensions charts	78
10.5	JRV 尺寸图	JRV Dimensions charts	79
10.6	JRV+JMRV 尺寸图	JRV+JMRV Dimensions charts	79
10.7	输出轴	Output shaft	80
10.8	蜗轮盖	Cover	80
10.9	扭力臂	Torque arm	80
11.0	JMRV英制系列	JMRV-Inch series	81
12.0	扭矩限制器	Worm gear units with torque limiter	85

UDL 系列行星锥盘无级变速器
UDL SERIES PLANETARY CONE & DISK STEP-LESS SPEED VARIATOR

C

1.0	结构分解图	Exploded view	88
2.0	产品名称	Designation	89
3.0	无级变速器选型表	Stepless speed variator selection charts	90
4.0	输入电机接口	IEC motor interface	90
5.0	安装方式	Mounting positions	91
6.0	位置图	Positions diagram	91
7.0	无级变速器尺寸图	Speed variator dimensions charts	92



01

Enterprise Profile

企业简介

“

Taizhou Jiaoxing Transmission Equipment Co.,Ltd. is the member unit, employer's organization of variable-speed motor in the whole country. Develop the professionals factory of planet cone-disk stepless speed variator first at home.

Technical force is rich, the design and manufacturing capacity are strong, production is well equipped. It is self-contained to test, the management system is sound, and it had already passed ISO9000 quality certification system. Product quality is wide to receive the domestic and international user's favorable comment.

“开拓创新，质量为本。”

“一分承诺，十分努力。”



台州椒星传动设备有限公司系全国减、变速机行业协会成员单位，是国内最早研制行星锥盘无级变速器的专业生产企业之一，技术力量雄厚，设计制造能力强，生产设施完善，测试设备齐全，管理制度健全，已通过ISO9000质量保证体系，产品质量广受国内外用户好评。

本公司生产的方形系列蜗杆减速器在选用材料和制造工艺上完全按照欧洲同类产品标准，如采用优质合成油，选用进口名牌密封件等，使我们的产品真正实现了全方位安装及免维护保养。目前产品广销全国各地，及配套出口世界各国。



The purpose of the company is: "innovation, quality - oriented." To the user pursues "one minute pledge, very diligently" the policy, devotes to the creation China reduces, the speed change machine profession first-class brand. Welcome domestic and foreign users and people from all walks of life sincere cooperation.

本公司的宗旨是：“开拓创新，质量为本”。对用户奉行“一分承诺，十分努力”的方针，致力于创中国减、变速机行业的一等品牌。欢迎国内外用户和各界人士精诚合作。

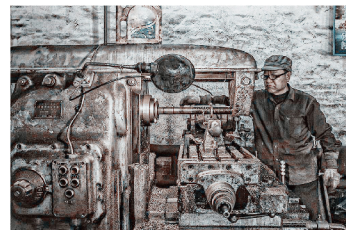


02

Company Course 企业历程

Haimen Machinery plant was Established in 1985.

海门机械厂始建于1985年。



In order to expand production , company moved to new workshop cover an area of about 2000 m². and changed name to Taizhou Planet Speed-Changing Machinery Factory.

为了扩大生产,公司搬到新厂房占地面积约2000 m²。并更名为台州行星变速机械厂。

Company joined China Reduction Transmission Industry Association and became the first members of the association.

公司加入中国减速器行业协会，成为协会首批会员单位。

1985

1993

1998

Company was purchased a building lot cover an area of 17000 m² as a reserve for future development. At the same year set up Taizhou Jiaoxing Transmission Equipment Co., Ltd.

公司购买建筑很多占地17000 m²为未来发展作为储备。同年成立台州椒星传动设备有限公司。



2017年通过ISO9001质量管理体系认证

2002

Company moved into new plant simultaneously Taizhou Planet Speed-Changing Machinery Factory merged into Taizhou Jiaoxing Transmission Equipment Co., Ltd., and created in-house R&D center to develop high precision gear unit - JDLB dual lead worm gearbox and XPG planetary gearbox.

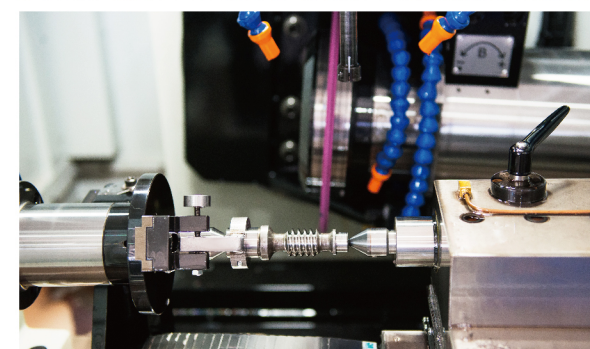
公司新厂同时迁入台州行星变速箱机械厂，并入台州椒星传动设备有限公司，并成立内部研发中心，研发高精度齿轮装置——JDLB双铅蜗杆变速箱和XPG行星变速箱。

2015

2017

2018年获国家级高新技术企业

2018

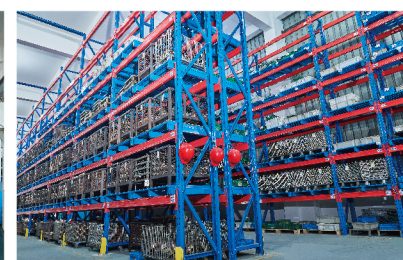


03

Quality Management 品质管理

Constantly absorb and introduce the world's advanced transmission design concept, and with independent innovation design and development, test has long manufacturing experience, every year constantly update and improve the reducer products. In the production and research and development always in the industry leader.

不断吸收与引进世界先进的传动设计理念，并融以自主创新设计研发，试验已经长久的制造经验，每年不断的更新和完善减速机产品。在生产和研发上总是处于行业领军地位。严格执行ISO9001:2008质量体系，定期对员工开展各类培训。并在行业内率先运用5S生产管理方法检验设备员工培训。



04

Including OPT Service Optimising 团队服务

The company manages with sincerity first, take the letter as this, always receives the good faith first management idea, wins the customer with the good faith, by the prestige occupation market.

公司经营以诚为先,以信为本,始终秉承诚信第一的经营理念,用诚信赢得客户,以信誉占领市场。

The huge customer service and after-sales technical personnel, 24-hour intimate service, professional pre-sales and after-sales service team and efficient factory production technology, to provide customers with professional and thoughtful technical services. According to customers encounter all kinds of difficult problems, to make specific technical solutions.

庞大的客服售后技术人员, 24小时贴心服务, 专业的售前售后服务团队和高效的工厂生产技术, 为客户提供专业周到的技术服务。可根据客户遇到各类疑难问题, 作出具体技术解决方案。实行高效的内部成本控制, 以及不断提高的数字化与机械化率, 从而降低了成本, 惠及客户。充足的产能, 便捷的物流, 能满足客户及时供货的各种需求。



With more than 30 years of industry accumulation and complete product system, you only need to provide your needs, we give you the corresponding custom solutions. The product variety is complete, only needs to submit your need, provides the choice plan for you by the specialized personnel, - the station type comfortable enjoys the service.

三十余年的行业积累和完整的产品体系, 您只需提供您的需求, 我们为您给出相应的定制解决方案。产品种类齐全, 只需提交您的需要, 由专业人员为您提供选择方案, 一站式舒心畅享服务。

1.0 参数符号对应表

符号 Symbols	单位 Units	注解	Description
P	[kW]	功率	Power
P₁	[kW]	输入功率	Transmitted power at input shaft
P₂	[kW]	输出功率	Transmitted power at output shaft
P_{n1}	[kW]	额定输入功率	Rated input power
M₂	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	Required torque at output shaft
n₁	min ⁻¹	输入转速	Angular input speed
n₂	min ⁻¹	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
Z₁	-	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	在电机轴上衰减的惯性矩	Moment of the external 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 radial load
F_{r2}	N	输出轴径向负荷	Output shaft radial load



重量标记



机型对应的尺寸图页码



电机



Symbol referring to weight



Columns marked with this symbol indicate the reference page showing the dimensions of the selected unit.



IEC motor

1.0 SYMBOLS AND UNITS OF MEASURE

基本信息

下列的标题包含选择减速器的原理以及正确使用它们的方法。
具体的数值参照相应的章节

2.0 输出扭矩

2.1 额定扭矩
M_{n2} [Nm]

扭矩作用于连续平稳运转的减速器且在工作系数f_s = 1 的情况下测出的数值。

2.2 需求的扭矩
M_{r2} [Nm]

基于实际所需，数值等于或小于减速器的额定扭矩M_{n2}。

2.3 计算扭矩
M_{c2} [Nm]

在选择减速器时有用。它要考虑实际需求的扭矩M_{r2}以及工作系数f_s，由以下关系式计算出：

$$M_{c2} = M_{r2} \cdot f_s \leq M_{n2}$$

3.0 功率

3.1 额定输入功率
P_{n1} [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f_s = 1的情况下得出的。

3.2 额定输出功率
P_{n2} [kW]

减速器的输出功率值，可以用下面的公式计算。

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

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

4.0 效率

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。在第21页上的啮合参数表上记录了动态及静态效率值(n₁=1400)。注意这些值只适用于磨合完成的在工作温度下运转的减速箱

GENERAL INFORMATION

The following headings contain information on essential elements for selection and correct use of gearbox.
For specific data on the gearbox range,see the relevant chapters.

2.0 OUTPUT TORQUE

2.1 Rated output torque
M_{n2} [Nm]

The torque that can be transmitted continuously through the output shaft, with the gear unit operated under a service factor f_s = 1.

2.2 Required torque
M_{r2} [Nm]

The torque demand based on application requirement. It is recommended to be equal to or less than torque M_{n2} the gearbox under study is rated for.

2.3 Calculated torque
M_{c2} [Nm]

Computational torque value to be used when selecting the gearbox.It is calculated considering the required torque M_{r2} and service factor f_s ,as per the relationship here after:

3.0 POWER

3.1 Rated input power
P_{n1} [kW]

The parameter can be found in the gearbox rating charts and represents the KW that can be safely transmitted to the gearbox, based on input speed n1 and service factor f_s = 1.

3.2 Rated output power
P_{n2} [kW]

This value is the power transmitted at gearbox output. it can be calculated with the following formulas:

4.0 EFFICIENCY

Efficiency is a parameter which has a major influence on the sizing of certain applications, and basically depends on gear pair designelements. The mesh data table on page 21 shows dynamic efficiency (n₁ =1400) and static efficiency values. Remember that these values are only achieved after the unit has been run in and is at the working temperature.

4.1 动态效率
[η_d]

动态效率和输出功率 P_2 以及输入功率 P_1 的关系:

$$\eta_d = \frac{P_2}{P_1}$$

4.2 静态效率
[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。

5.0 工作系数
[f_s]

减速器的工作系数(f_s)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:

1. 减速器的负载形式: **A - B - C**
2. 工作时间: 小时／天(Δ)
3. 开机频率: 次／小时(*)
- 负载类型: **A** - 均衡负荷, $f_a \leq 0.3$
- B** - 中等冲击, $f_a \leq 3$
- C** - 严重冲击, $f_a \leq 10$

$f_a = J_e / J_m$

$-J_e$ (kgm²): 在驱动轴上衰减的惯性矩

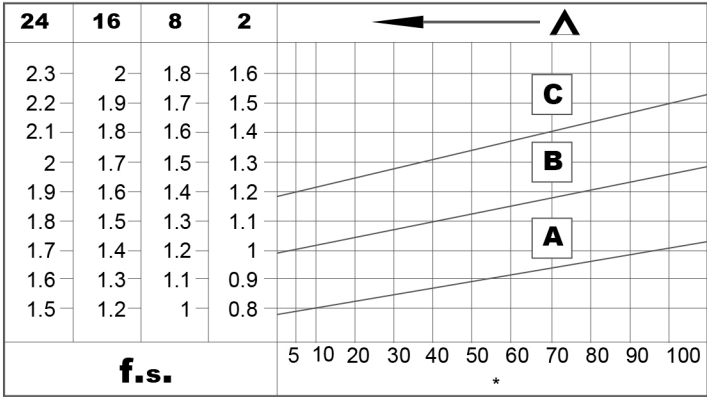
$-J_m$ (kgm²): 电机惯性矩

-如果 $f_a > 10$ 时请与技术服务部联系

A -轻质材料螺旋输送机, 风扇, 装配线, 轻质材料皮带输送机, 小型搅拌机, 提升机, 清洁机, 灌装机, 控制器。

B -卷绕装置, 木工机械, 货物提升机, 平衡器, 螺纹机, 介质搅拌机, 重型材料皮带输送机, 绞盘, 移动门, 刮机, 包装机, 混凝土搅拌机, 起重机, 磨割机, 卷板机, 齿轮泵。

C -重型材料搅拌机, 剪切机, 压力机, 离心机, 旋转支撑, 重型材料绞盘和提升机, 磨床, 石材, 升降机, 钻孔机, 锤式粉碎机, 凸轮压力机, 折叠机, 运输带, 翻斗车, 振动器, 撕碎机。



4.1 Dynamic efficiency
[η_d]

The dynamic efficiency is the relationship of power delivered at output shaft P_2 to power applied at input shaft P_1 :

4.2 Static efficiency
[η_s]

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 duty.

5.0 SERVICE FACTOR
[f_s]

The service factor (f_s) depends on the operating conditions the gearbox is subjected to the parameters that need to be taken into consideration to select the most adequate servies factor correctly comprise:

1. type of load of the operated machine : **A - B - C**
2. length of daily operating time: **hours/day**(Δ)
3. start-up frequency: **starts/hour** (*)
- TYPE OF LOAD: **A** - uniform, $f_a \leq 0.3$
- B** - moderate shocks, $f_a \leq 3$
- C** - heavy shocks, $f_a \leq 10$

$f_a = J_e / J_m$

$-J_e$ (kgm²) moment of the external inertia reduced at the drive shaft

$-J_m$ (kgm²) moment of inertia of motor

--If $f_a > 10$ please contact our Technical Service

A -Screw feeders for light materials, fans, assembly lines, conveyor belts for light materials, small mixers, lifts, cleaning machines, fillers, control machines.

B -Winding devices, woodworking machine feeders, goods lifts, balancers,-threading machines, medium mixers, conveyor belts for heavy materials,winches, sliding doors, fertilizer scrapers, packing machines, concrete mixers, crane mechanisms, milling cutters, folding machines, gear pumps.

C -Mixers for heavy materials, shears, presses, centrifuges, rotating supports, winches and lifts for heavy materials, grinding lathes, stone mills, bucket elevators, drilling machines, hammer mills, cam presses, folding machines, turntables, tumbling barrels, vibrators, shredders.

6.0 应用限制

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，请参阅以下突出每个减速机不同关键情形的表格。

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。

- 1.提高转速时；
- 2.使用时如果减速器故障会带来人员危险时；
- 3.有极高惯性的应用场合；
- 4.用作升降机绞盘；
- 5.在减速器外壳上有高动态应力的应用场合；
- 6.温度低于-5℃或高于 40℃ 时；
- 7.在有化工物质腐蚀的环境中使用；
- 8.在盐性环境中使用；
- 9.未在样本中示出的安装方位放置；
- 10.在放射性环境中使用；
- 11.在压力不同于大气压的环境中使用。

避免减速器局部或整台浸入液体或其他物质中。

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。

(*) 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。

JMRV	025	030	040	050	063	075	090	105/110	130	150
V5:1500<n1<3000	-	-	-	-	-	B	B	B	B	B
n1>3000	B	B	B	B	B	A	A	A	A	A
V6	B	B	B	B	B	B	B	B	B	B

A: 不建议使用的方式

B: 需检查应用的合适性或者请联系我们技术服务部

6.0 CRITICAL APPLICATIONS

The performance given in the catalogue correspond to mounting position B3 or similar, ie. when the first stage is not entirely immersed in oil. For other mounting positions and/or particular input speeds, refer to the tables that highlight different critical situations for each size of gear unit.

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

1. As a speed increasing
2. Application that could be hazardous for people if the reduction unit fails
3. Applications with especially high inertia
4. Application as a lifting winch
5. Application with an high dynamic strain on the case of the gear unit
6. In places with temperatures under -5°C or over 40°C
7. Use in chemically aggressures enviroments
8. Use in salty enviroment
9. Mounting position is not envisaged in the catalogue
10. Use in radioactive enviroment
- 11.Use in enviroments pressure other than atmospheric pressure

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

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

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

A: Application not recommended

B: Check the application and/or call our technical service



7.0 安装

安装减速器必须注意以下几点:

- 1.必须稳定地安装在机器上，避免有任何松动。
- 2.在把减速器固定于机器上之前，检查减速器输出轴的正确的旋转方向。
- 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。
- 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。
- 5.尽可能避免减速器在阳光下直照或暴露恶劣气候下。
- 6.确保电机风扇边的空气有良好的通道,以求有足够的冷却。
- 7.当使用时的绝对温度<-5° C或>40° C时，先与我们技术服务人员联系。
- 8.各种零件（滑轮、齿轮、联轴器、轴等）必须安装在实心或空心轴上，该用专用的螺栓孔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者氧化。
- 9.橡胶零件以及透气孔上不能沾有油漆。
- 10. 当遇见配有油塞的减速器时，把运输专用的塞子拆掉，再装上排气塞。
- 11.通过油视镜检查润滑油油量是否足够。
- 12.使用新减速器时,应该逐步加载负荷,不要立即提升到最大的负载。
- 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，应安装特殊的保护或遮挡。

8.0 电机与PAM法兰之连接

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。

- 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。
- 2.仔细清洁轴、联轴器和法兰表面，擦除污垢和灰尘。
- 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。
- 4.去除毛刺，电机键槽的位置和偏差要在规定的范围之内。
- 5.用润滑油来润滑接触表面避免卡死或氧化。

9.0 无级变速器的使用和保养

- 1.机械无级变速器不宜用于可能超负载或堵转使用场合。
- 2.调整应在运转中进行，严禁停车时转动调整手轮。
- 3.操作盒下的两端调整限位螺钉已调整好，请勿再动。

7.0 INSTALLATION

To install the reduction unit it is necessary to note the following recommendations:

- 1. The mounting on the machine must be stable to avoid any vibration.
- 2. Check the correct direction of rotation of the reduction unit output shaft before fitting the unit to the machine.
- 3. In the case of particularly lengthy periods of storage (4/6 months),if the oil seal is not immersed in the lubricant inside the unit, it is recommended to change it since the rubber could stick to the shaft or may even have lost the elasticity it needs to function properly.
- 4. 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. Whenever possible, protect the reduction unit against solar radiation and bad weather.
- 6. Ensure the motor cools correctly by assuring good passage of air from the fan side.
- 7. In the case of ambient temperatures < -5°C or > +40°C call the Technical Service.
- 8. The various parts (pulleys, gear wheels, couplings, shafts, etc.) must be mounted on the solid or hollow shafts using special threaded holes or other systems that anyhow ensure correct operation without risking damage to the bearings or external parts of the units. Lubricate the surfaces in contact to avoid seizure or oxidation.
- 9. Painting must definitely not go over rubber parts and the holes on the breather plugs, if any.
- 10. For units equipped with oil plugs, replace the closed plug used for shipping with the special breather plug.
- 11. Check the correct level of the lubricant through the indicator, if there is one.
- 12. Starting must take place gradually, without immediately applying the maximum load.
- 13. 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.

8.0 MOTOR MOUNTING WITH PAM FLANGE

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

- 1. Check that the tolerances for the motor shaft and flange correspond to the standard.
- 2. Carefully clean the shaft, couplings and surfaces of the flange removing traces of paint and dirt, and confirm the key is fitted correctly.
- 3. 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. Complete the assembly using the fixing bolts. Key-ways with tightened tolerances.
- 5.Lubricate the surfaces in contact to avoid seizure or oxidation.

9.0 OPERATION & MAINTENANCE OF SPEED VARIATOR

- 1. The mechanical stepless speed variator is not used in such an occasion where overload or running-blockage happen to occur.
- 2. Speed-regulation should be effected in running. Do not turn the hand wheel of speed-regulation when the machine stops!
- 3. The limit screws of speed-regulation on two ends under the operating box are well adjusted, Please don't touch them!



- 4.本机不宜工作在高于40° C的环境中，温升不得高于50° C。
- 5.出厂前已加足润滑油，首次使用1000小时后应更换润滑油，以后每5000小时换一次油。
- 6.变速器内润滑油应保持在油标三分之二高度，用户应经常检查油位高度。严禁在润滑不良的情况下使用。
- 7.操作盒上的透气螺母出厂时为防止搬运中漏油已旋紧，运转时须松开，禁止未松开使用。

10.0 润滑油

10.1 润滑油说明

如在图表中不能查到对应的温度，请与我们技术服务人员联系。如果温度低于-30° C或高于60° C时，必须使用特殊油封。如果在注油时的温度低于0° C时，必须注意以下几点:

- 1.电机选型必须符合周围环境与工作条件。

2.电机的功率选择必须考虑到在寒冷天气时较大的起动扭矩。

3.铸铁外壳的减速器要避免忽然承受过重的冲击负载，因为在-15° C或以下时铸铁的物理性能可能会变得较脆。

4.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10.000时必须更换，但也要视减速机的具体工作环境而定。对于没有注油孔的减速器来说,是永远不需要更换润滑油的。

10.2 推荐的润滑油

	JMRV 110-150		JMRV 025-105 PC 063-090	UDL 002-100
	Mineral oil 矿物油		Synthetic oil 合成油	Mineral oil 矿物油
T°C	(-5) - (+40)	(-15) - (+25)	(-25) - (+50)	(-25) - (+50)
ISO	ISO VG460	ISO VG220	ISO VG320	VG32
广研润滑	CKE460	CKE320		UB-3
AGIP	BLASIA 460	BLASIA 220	TELUM VSF320	A.T.F. DEXRON
SHELL	OMALA OIL460	OMALA OIL220	TIVELA OIL SC320	A.T.F. DEXRON
ESSO	SPARTAN EP460	SPARTAN EP220	S220	A.T.F. DEXRON
MOBIL	MOBILGEAR 634	MOBILGEAR 630	GLYGOYLE 30	A.T.F. 220
CASTROL	ALPHA MAX 460	ALPHA MAX 220	ALPHASYN PG320	TQ DEXRON II
BP	ENERGOL GR-XP460	ENERGOL GR-XP220	ENERGOL SG-XP320	AUTRAN DX

润滑油的具体加注量请参考相关的页面

For the quantity of oil,please refer to the pages relating



10.3 计算润滑油加注量(升)

JMRV	025	030	040	050	063	075	090	105	110	130	150
B3	0.02	0.04	0.08	0.15	0.3	0.55	1	1.6	3	4.5	7
B8									2.2	3.3	5.1
B6-B7									2.5	3.5	5.4
V5									3	4.5	7
V6									2.2	3.3	5.1

PC	063	071	080	090
	0.05	0.07	0.15	0.16

UDL	UDL002	UDL005	UDL010	UD020	UD030/050	UD100
B3	0.13	0.15	0.33	1.2	2	3.5
B8						
B6-B7						
V1	0.2	0.25	0.45	1.5	2.5	4
V3						

– 减速器JMRV025–030–040–050–063–075–090–105 出厂时均已加注合成润滑油，安装方式可参照样本相关页中所示方位。仅 075,090,105采用V5/V6的安装方式较特殊，如需要使用V5/V6的安装方式时请与技术服务人员联系以确定实际情况。

– 减速器JMRV110–130和150均提供了矿物润滑油。

– 当减速器型号为110–130和150时，必须预先在订货时说明安装位置。否则出厂时只会按照B3位置去提供相应数量的润滑油。

– 仅型号为 110 – 130 和150 的减速器配备排气装置、油镜和排油塞。在安装完毕后，必须拿掉油塞及装上排气装置

– 前置减速器 PC 已经预先注入了润滑油 AGIP TELIUM VSF，可以根据说明书的位置随意安装，它的润滑油系统是独立的。

– 无级变速器在出厂时均已加注了矿物润滑油,广研UB–3。

11.0 PC的设计特点

PC 结构是一种标准组件(模块)的产品，因此它可与任何型号的齿轮电机组合，组合使用时，各种不同的法兰/输出轴可以参见第17页。前置减速装置主要适用于安装方式为B14的所有马达。该装置不能单独使用，只能与减速机配套使用。

材料

压铸铝合金外壳
回火钢20CrMnTi表层硬化齿轮,精密渐开线齿形。

10.3 Q.ty of oil litres

- The reduction units size 025-030-040-050-063-075-090-105 are supplied complete with lubricant for life, synthetic oil, and can therefore be mounted in any position envisaged in the catalogue. The only exceptions are 075,090,105 in pos. V5/V6 for which you should call our Technical Service to assess the conditions of use.

- The reduction units size 110-130 and 150 are supplied complete with lubricant, mineral oil.

- For sizes 110-130 and 150 it is necessary to specify the position, otherwise the reduction units are supplied with the quantity of oil relating to pos. B3.

- Only reduction units 110-130 and 150 are fitted with breather, level and oil drainage plugs. It is necessary, after installation, to replace the closed plug used for transportation with the breather plug supplied with the unit.

- The pre-stage helical modules are supplied complete with life-long lubricant, synthetic oil,AGIP TELIUM VSF, and can therefore be mounted in all the positions. Lubrication is separated from that of the worm reduction unit.

The speed variator are supplied complete with lubricant, mineral oil,GUANGYAN UB-3.

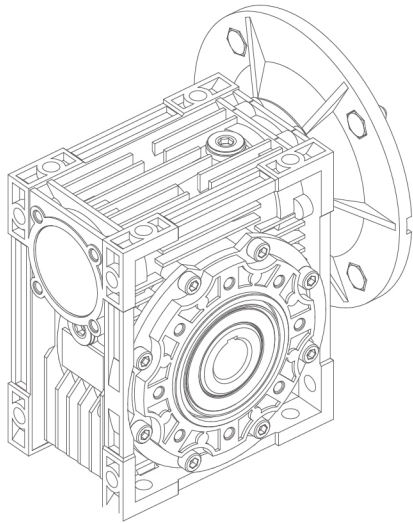
11.0 DESIGN FEATURES (PC)

The PC construction is modular and therefore it can be supplied as separate unit to be mounted on any type of fitted geared motor (PAM). In this connection, the various possibilities of flange/output shafts canbe found on page 17. Fitting the pre-stage helical module on the main reduction unit is easilydone as for any motor of type B14. The pre-stage unit cannot be used by itself, but only coupled withanother reduction unit.

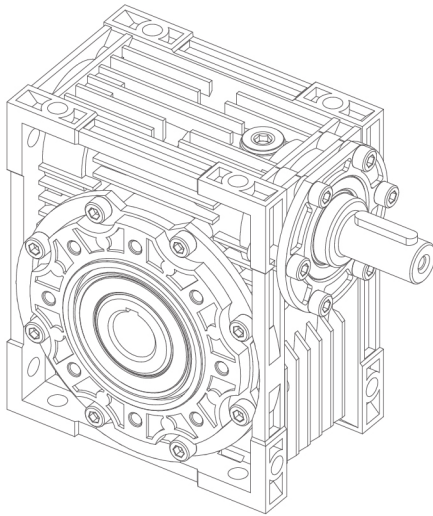
Materials

Case in aluminium alloy.
Gears in case hardened, tempered steel 20CrMnTi accurately ground on the involute.

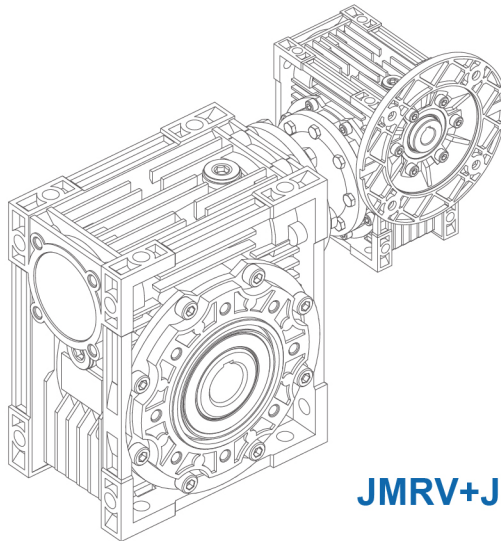
JMRV 系列蜗轮蜗杆减速器 JMRV SERIES WORM GEAR UNITS



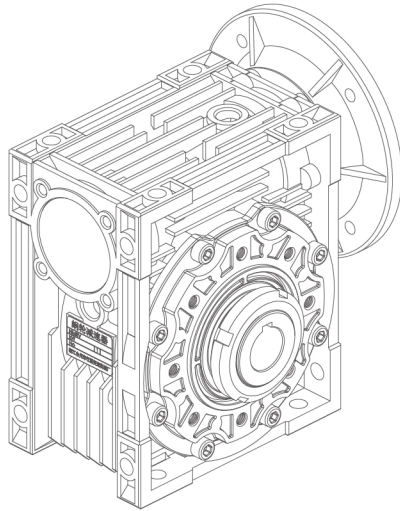
JMRV



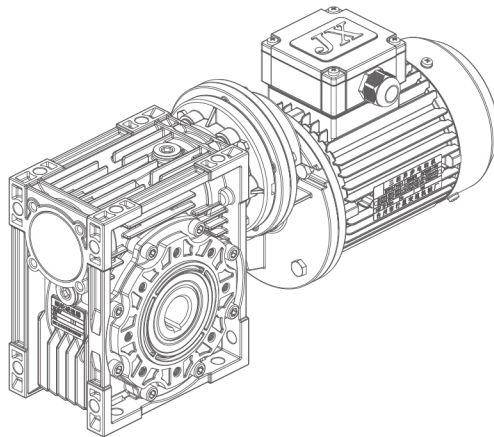
JRV



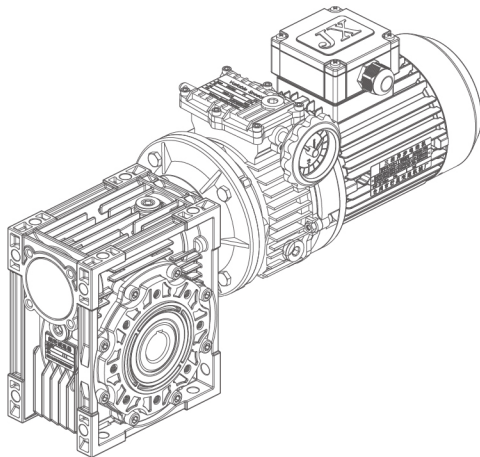
JMRV+JMRV



JMRL



PC+JMRV

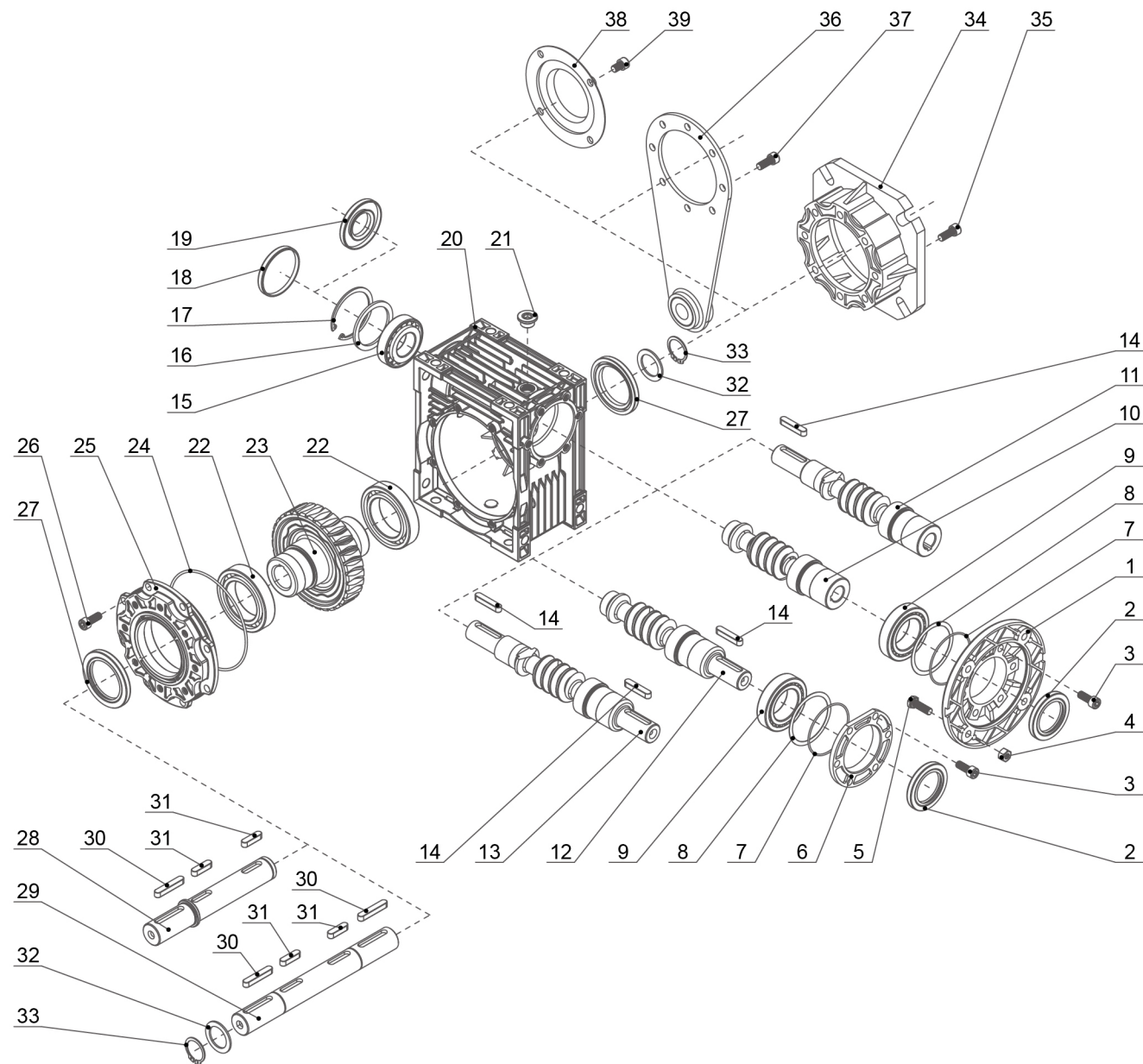


UDL+JMRV



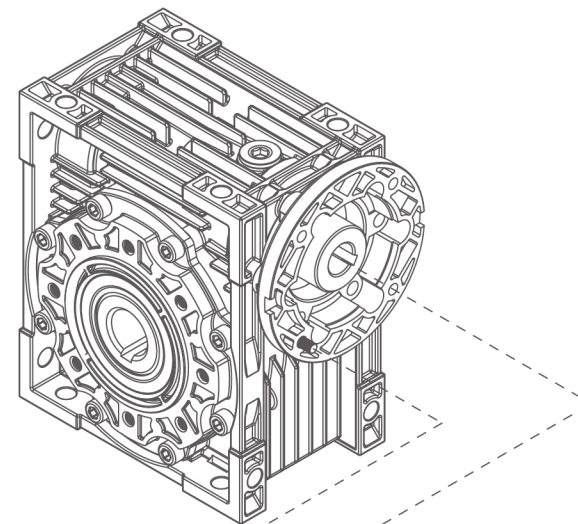
1.0 结构分解图和机型版本

1.1 JMRV 结构分解图

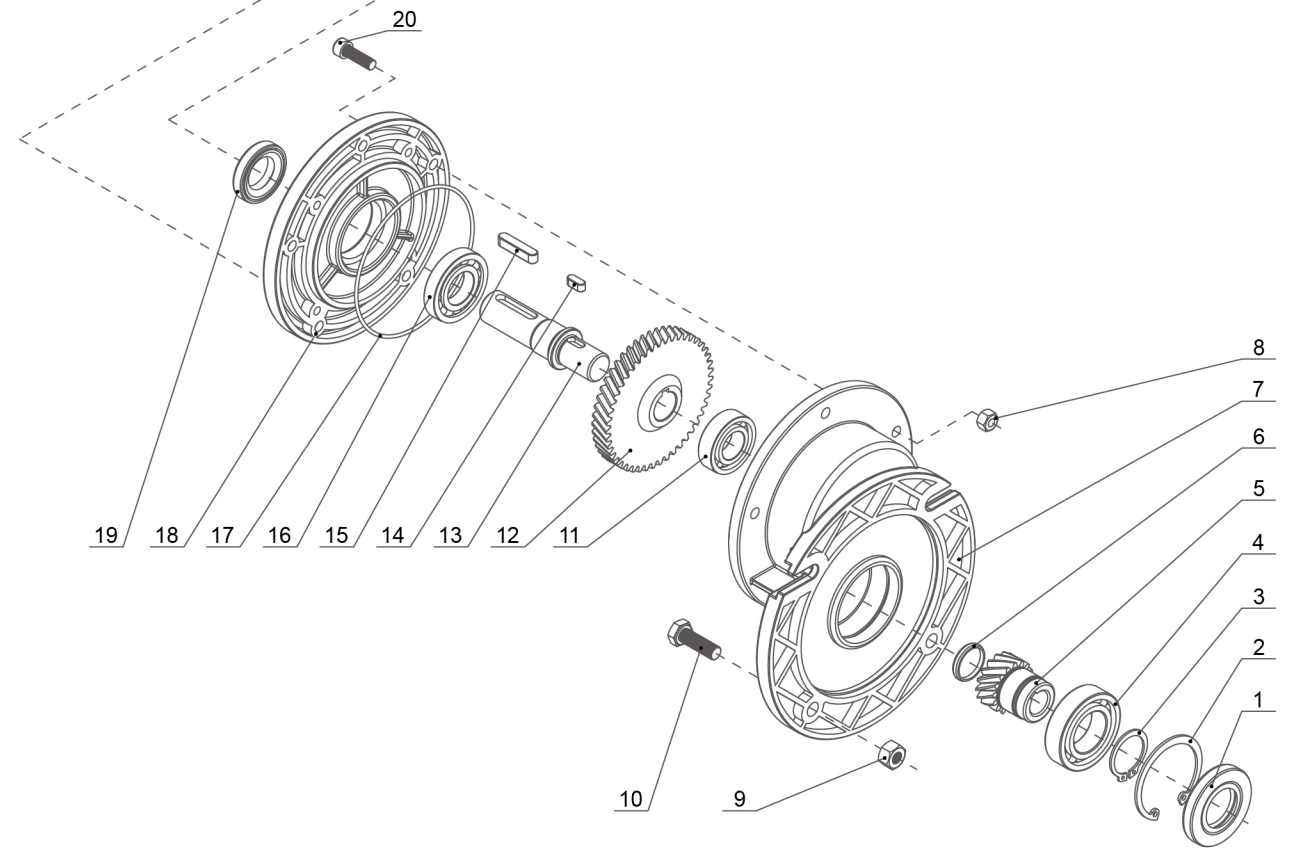


1	电机法兰 Flange PAM	11	孔输入轴输入蜗杆 Double ext. PAM worm shaft	21	油塞 Oil plug	31	平键 Parallel key
2	油封 Oil seal	12	轴输入蜗杆 RV worm shaft	22	轴承 Bearing	32	垫圈 Washer
3	内六角圆柱头螺钉 Hexagon socket head cap screw	13	双轴输入蜗杆 Double ext. RV worm shaft	23	蜗轮 Worm wheel	33	轴用弹性挡圈 Circlip for shaft
4	六角螺母 Hexagon nuts	14	平键 Parallel key	24	O形橡胶密封圈 O-ring	34	输出法兰 Output flange
5	六角头螺栓 Hexagon bolt	15	轴承 Bearing	25	侧盖 Bearing support cover	35	内六角圆柱头螺钉 Hexagon socket head cap screw
6	输入端盖 Gear unit cover	16	垫圈 Washer	26	内六角圆柱头螺钉 Hexagon socket head cap screw	36	扭力臂 Torque arm
7	O形橡胶密封圈 O-ring	17	孔用弹性挡圈 Circlip for hole	27	油封 Oil seal	37	内六角圆柱头螺钉 Hexagon socket head cap screw
8	调整垫片 Spacer shim	18	盖子 Cap	28	单向输出轴 Single output Shaft	38	保护盖 Protection cap
9	轴承 Bearing	19	油封 Oil seal	29	双向输出轴 Double output Shaft	39	内六角圆柱头螺钉 Hexagon socket head cap screw
10	孔输入蜗杆 PAM worm shaft	20	箱体 Case	30	平键 Parallel key		

1.2 PC 结构分解图



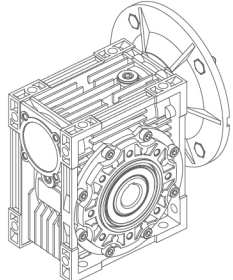
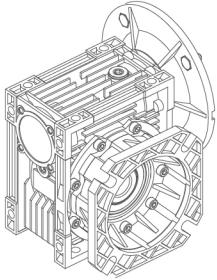
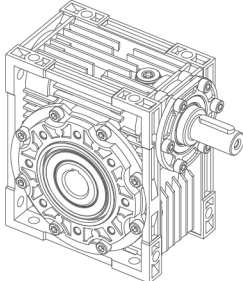
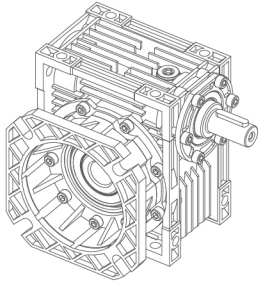
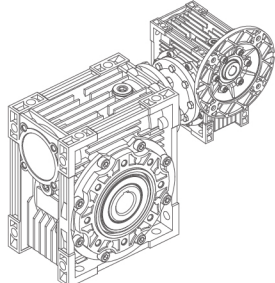
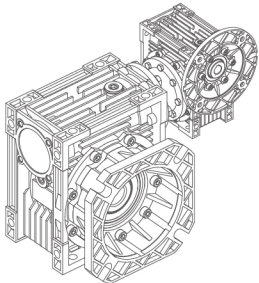
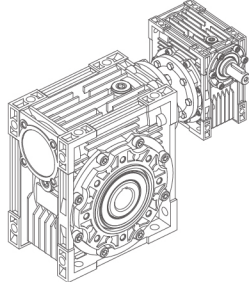
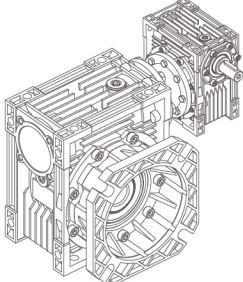
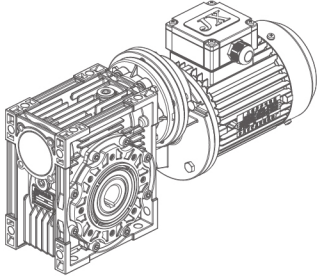
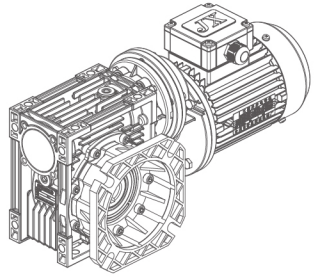
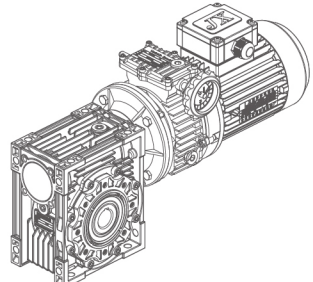
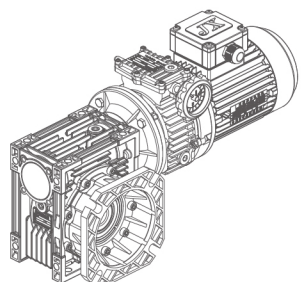
1.2 PC Exploded view



1	油封 Oil seal	6	盖子 Cap	11	轴承 Bearing	16	轴承 Bearing
2	孔用弹性挡圈 Circlip for hole	7	前置齿轮箱体 Pre-stage unit case	12	大齿轮 Gear	17	O形橡胶密封圈 O-ring
3	轴用弹性挡圈 Circlip for shaft	8	六角螺母 Hexagon nuts	13	输出轴 Low speed shaft	18	输出端盖 Output cover
4	轴承 Bearing	9	六角螺母 Hexagon nuts	14	平键 Parallel key	19	油封 Oil seal
5	孔输入小齿轮 Hollow pinion	10	六角头螺栓 Hexagon bolt	15	平键 Parallel key	20	内六角圆柱头螺钉 Hexagon socket head cap screw

1.3 蜗杆减速器机型版本

1.3 Versions

	JMRV 025 - 150	JMRV 025 - 150 F	
	JRV 025 - 150	JRV 025 - 150 F	
	JMRV-JMRV 025/030 - 063/150	JMRV-JMRV 025/030 - 063/150 F	
	JRV-JMRV 025/030 - 063/150	JRV-JMRV 025/030 - 063/150 F	
	PC-JMRV 063/040 - 090/130	PC-JMRV 063/040 - 090/130 F	
	UDL-JMRV 002/040 - 050/130	UDL-JMRV 002/040 - 050/130 F	



2.0 产品名称

2.0 DESIGNATION

2.1 JMRV - JRV
蜗杆减速器

2.1 JMRV - JRV
Worm speed reduction unit

类型
Type

减速比
Ratio

双向输入轴
Double input shaft

输出
Output

输入法兰
Input flange

安装方位
Mounting position

颜色
Color

电机
Electric motor

JMRV063 - 30 - VS - FA1-ASR-A1 - 80B5 - B3 - B - Y₂0.75-4 / 1

电机接线盒位置
Position of terminal box
1, 2, 3, 4

电机极数/Poles number
2, 4, 6, 8.....

电机功率
Motor power

电机类型/Type
Y₂, YD,YVF, Y₂EJ.....

颜色/Color
B = 银灰色/Silver gray **L** = 蓝色/Blue

安装方位/Mounting position
B3, B6, B7, B8, V5,V6

输入法兰 (电机类型)/Input flange(Motor mounting)
B5, B14

扭力臂/Torque arm
A1, A2

输出轴/Output shaft
ASL, ASR
(单向输出轴/Single output shaft)
AB
(双向输出轴/Double output shaft)

输出法兰/Flange mounting
FA, FB, FC, FD, FE
(型号/Version)
1, 2
(安装位置/Mounting side)

双向输入轴
Double input shaft

减速比/Reduction ratio
5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100

减速器尺寸 (中心距)/Gearbox size(Central distance)
025, 030, 040, 050, 063, 075, 090, 105, 110, 130, 150

蜗杆减速器类型/Worm gearbox type
JMRV = 带电机接口蜗杆减速器
JMRV = Worm-gear unit with IEC motor interface

JRV = 轴输入蜗杆减速器
JRV = Worm speed reducer with solid input shaft

2.2 PC+JMRV
前置齿轮蜗杆减速器

2.2 PC+JMRV
Worm geared motors with Pre-stage helical unit

前置斜齿轮模块
Pre-stage helical unit

类型
Type

减速比
Ratio

双向输入轴
Double input shaft

输出法兰
Output flange

输出轴
Output shaft

安装方位
Mounting position

电机
Electric motor

PC 071 - JMRV063 - 30 - VS - FA1 - ASR - B3 - Y₂0.37-4 / 1

..... (选项)
(Options)

蜗杆减速器类型/Worm gearbox type
JMRV = 带电机接口蜗杆减速器
JMRV = Worm-gear unit with IEC motor interface

减速器尺寸/Gearbox size
063, 071, 080, 090

前置一级斜齿轮减速箱
Pre-stage helical module



2.3 JMRV+JMRV - JRV+JMRV
双蜗杆减速器

类型
Type

减速比
Ratio

双向输入轴
Double input shaft

输出法兰
Output flange

输出轴
Output shaft

输入法兰
Input flange

安装方位
Mounting position

电机
Electric motor

JMRV 040/090 - 500 - VS - FA1 - ASR - 71B5 - AS1 - Y20.37-4 / 1

..... (选项)
(Options)

安装方位/Mounting position
AS1, AS2, BS1, BS2,
VS1, VS2, PS1, PS2

..... (选项)
(Options)

减速比/Reduction ratio
300, 400, 500, 600

减速器尺寸(中心距)/Gearbox size(Central distance)
025/030 - 063/150

蜗杆减速器类型/Worm gearbox type
JMRV= JMRV+JMRV 带电机接口蜗杆减速器
JMRV= JMRV+JMRV Worm-gear unit with IEC motor interface

JRV = JRV+JMRV 轴输入蜗杆减速器
JRV = JRV+JMRV Worm speed reducer with solid input shaft

2.4 UDL+JMRV
无级变速器和蜗杆减速器组合

无级变速器
Stepless speed variator

类型
Type

减速比
Ratio

双向输入轴
Double input shaft

输出法兰
Output flange

输出轴
Output shaft

安装方位
Mounting position

电机
Electric motor

UDL 010 - JMRV063 - 30 - VS - FA1 - ASR - B3 - Y20.75-4 / 1

..... (选项)
(Options)

蜗杆减速器类型/Worm gearbox type
JMRV = 带电机接口蜗杆减速器
JMRV = Worm-gear unit with IEC motor interface

无级变速器尺寸/Stepless speed variator size
002, 005, 010, 020, 030 ,050 ,100

无级变速器类型/Stepless speed variator type
UDL, UD 系列 (UDL= 铝合金壳体, UD= 铸铁壳体)
UDL, UD Series (UDL= Aluminium alloy housing, UD= Cast iron housing)

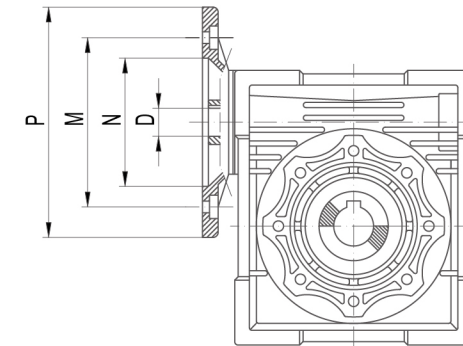


3.0 配置和组合

3.0 DISPOSITION AND COMBINATIONS

3.1 JMRV 基本配置

3.1 JMRV Pre-disposition

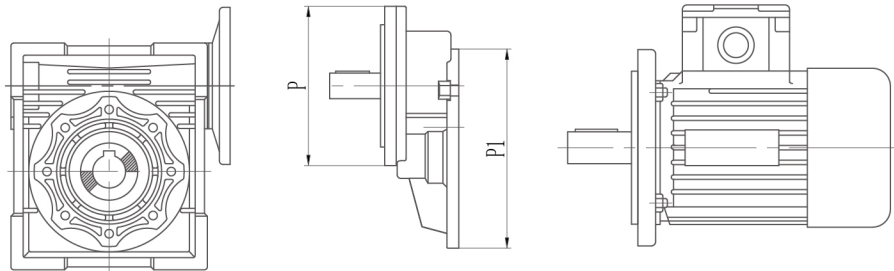


JMRV	PAM	N	M	P	D											
	IEC				5	7.5	10	15	20	25	30	40	50	60	80	100
025	56B14	50	65	80	9	9	9	9	9	-	9	9	9	9	-	-
	63B5	95	115	140	11	11	11	11	11	11	11	11	11	-	-	-
030	63B14	60	75	90	9	9	9	9	9	9	9	9	9	9	9	-
	56B5	80	100	120												
	56B14	50	65	80												
	71B5	110	130	160												
040	71B14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



3.2 PC+JMRV 组合方式

JMRV	PC063			PC071		PC080			PC090		
	IEC	105/11	105/14	120/14	120/19	160/19	160/24	160/28	160/19	160/24	160/28
	i	i=2.93	i=2.93	i=2.94	i=2.94	i=3	i=3	i=3	i=2.45	i=2.45	i=2.45
040	25										
	30										
	40										
	50										
	60										
	80										
	100										
050	25										
	30										
	40										
	50										
	60										
	80										
	100										
063	25										
	30										
	40										
	50										
	60										
075	25										
	30										
	40										
	50										
	60										
	80										
	100										
090	25										
	30										
	40										
	50										
	60										
105 110	25										
	30										
	40										
	50										
130	25										
	30										
	40										
	50										
	60										



TYPE	P1	P	(P)
PC 063	63B5-140/11	105/11	(105/14)
PC 071	71B5-160/14	120/14	(120/19)
PC 080	80B5-200/19	160/19	(160/24) (160/28)
PC 090	90B5-200/24	160/24	(160/19) (160/28)

(...) 根据用户要求定制
(...) Only on request



3.3 JMRV+JMRV
组合方式

TYPE	i	n ₂	IEC motor	i ₁	i ₂
JMRV 025/030	100	14	56	10	10
	150	9.3		10	15
	200	7		10	20
	250	5.6		10	25
	300	4.7		10	30
	400	3.5		20	20
	500	2.8		20	25
	600	2.3		20	30
	750	1.9		30	25
	900	1.6		30	30
	1200	1.2		40	30
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
	3000	0.47		60	50
JMRV 025/040	300	4.7	56	10	30
	400	3.5		10	40
	500	2.8		20	25
	600	2.3		20	30
	750	1.9		30	25
	900	1.6		30	30
	1200	1.2		40	30
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
	3000	0.47		60	50
	4000	0.35		50	80
	5000	0.28		50	100
JMRV 030/040	300	4.7	56	10	30
	400	3.5		10	40
	500	2.8		20	25
	600	2.3		20	30
	750	1.9		25	30
	900	1.6		30	30
	1200	1.2		30	40
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
	3200	0.44		80	40
	4000	0.35		50	80
	5000	0.28		50	100
JMRV 030/050	300	4.7	56 63	10	30
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		20	30
	750	1.9		25	30
	900	1.6		30	30
	1200	1.2		30	40
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
	3000	0.47		60	50
	4000	0.35		50	80
	4800	0.29		60	80
JMRV 030/063	300	4.7	56 63	7.5	40
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		15	40
	750	1.9		15	50
	900	1.6		15	60
	1200	1.2		30	40
	1500	0.93		30	50
	1800	0.78		30	60
	2400	0.58		60	40
	3000	0.47		60	50
	4000	0.35		50	80
	5000	0.28		50	100



3.3 JMRV+JMRV
Possible combinations

TYPE	i	n ₂	IEC motor	i ₁	i ₂
JMRV 040/075	300	4.7	56 63 71	10	30
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		20	30
	750	1.9		25	30
	900	1.6		30	30
	1200	1.2		30	40
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
	3000	0.47		60	50
	4000	0.35		50	80
	5000	0.28		50	100
JMRV 040/090	300	4.7	56 63 71	7.5	40
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		15	40
	750	1.9		15	50
	900	1.6		15	60
	1200	1.2		30	40
	1500	0.93		30	50
	1800	0.78		30	60
	2400	0.58		60	40
	3000	0.47		60	50
	4000	0.35		50	80
	5000	0.28		50	100
JMRV 050/105 050/110	300	4.7	63 71 80	10	30
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		15	40
	750	1.9		15	50
	900	1.6		15	60
	1200	1.2		30	40
	1500	0.93		30	50
	1800	0.78		30	60
	2400	0.58		60	40
	3000	0.47		60	50
	4000	0.35		50	80
	5000	0.28		50	100
JMRV 063/130	300	4.7	71 80 90	10	30
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		15	40
	750	1.9		15	50
	900	1.6		15	60
	1200	1.2		30	40
	1500	0.93		30	50
	1800	0.78		30	60
	2400	0.58		60	40
	3000	0.47		60	50
	4000	0.35		50	80
	5000	0.28		50	100
JMRV 063/150	150	9.3	71 80 90	10	15
	200	7.1		10	20
	250	5.6		10	25
	300	4.7		10	30
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		15	40
	750	1.9		15	50
	900	1.6		15	60
	1200	1.2		30	40
	1800	0.78		30	60
	2400	0.58		60	40
	3000	0.47		60	50
	4000	0.35		50	80
	5000	0.28		50	100

3.4UDL+JMRV组合方式

3.4UDL+JMRVPossible combinations

JMRV		UDL002	UDL005	UDL010	UD020	UD030	UD050
	IEC	63B5	71B5	80B5	90B5	100B5	112B5
	i	i=1.6-8.2	i=1.4-7	i=1.4-7	i=1.4-8.2	i=1.4-7	i=1.4-7
040	7.5						
	10						
	15						
	20						
	25						
	30						
	40						
	50						
050	7.5						
	10						
	15						
	20						
	25						
	30						
	40						
	50						
	60						
	80						
063	100						
	7.5						
	10						
	15						
	20						
	25						
	30						
	40						
	50						
	60						
075	80						
	100						
	7.5						
	10						
	15						
	20						
	25						
	30						
	40						
	50						
090	60						
	80						
	100						
	7.5						
	10						
	15						
	20						
	25						
	30						
	40						
105 110	50						
	60						
	80						
	100						
	7.5						
	10						
	15						
	20						
130	25						
	30						
	40						
	50						
	60						
	80						
	100						
	7.5						
	10						
	15						



4.0传动不可逆性

4.0IRREVERSIBILITY

4.1动态不可逆

4.1Dynamic irreversibility

减速器在运转过程中，当蜗杆脱开动力时，输出轴能同步停止转动。此时动态效率需要小于0.5(参照21页表格)

Dynamic irreversibility is achieved when the output shaft stops instantly when drive is no longer transmitted through the worm shaft .this condition requires a dynamic efficiency of η_d <0.5(see table on page 21) .

4.2静态不可逆

4.2Static irreversibility

减速器在静止状态时，不能通过向输出轴施加力矩带动输入蜗杆转动。此时静态效率需要小于0.5(参照21页表格)。

static irreversibility is achieved when,with the gear reducer at a standstill,the application of a load to the output shaft does not set in motion the worm shaft .this condition requires a static efficiency of η_s <0.5(see table on page 21) .

η_d	动态不可逆性	DYNAMIC IRREVERSIBILITY
> 0.6	动态可逆	dynamic reversibility
0.5 - 0.6	低动态可逆	low dynamic reversibility
0.4 - 0.5	较好的动态不可逆	good dynamic irreversibility
< 0.4	动态不可逆	dynamic irreversibility

η_s	静态不可逆性	STATIC IRREVERSIBILITY
> 0.55	静态可逆	Static reversibility
0.5 - 0.55	低静态可逆	low Static reversibility
< 0.5	静态不可逆	Static irreversibility

表中的分段只是近似值；
轻微的震动和冲击也会影响自锁性能；
双蜗轮减速器的自锁需考虑每个减速器的效率，总效率是两个的乘积，也就是： $\eta_{总} = \eta_1 * \eta_2$ 。

The table shows approximate irreversibility classes.
Vibrations and shocks can affect a gear reducers's irreversibility.
For the irreversibility conditions of a combined geared unit one must consider that the efficiency of the group is given by the product of the efficiency of each single reducer,i.e.: $\eta_{tot} = \eta_1 * \eta_2$.



5.0 啮合参数

5.1 蜗杆螺旋线、蜗轮齿牙和效率

JMRV	i	5	7.5	10	15	20	25	30	40	50	60	80	100
025	Z ₁	4	4	3	2	2		1	1	1	1		
	γ	30°57′	25°18′	19°31′	13°18′	10°53′		6°44′	5°29′	4°34′	3°56′		
	M _x	1.8	1.3	1.3	1.3	1		1.3	1	0.8	0.67		
	η _d	0.86	0.84	0.82	0.78	0.74		0.66	0.61	0.57	0.54		
	η _s	0.71	0.70	0.67	0.60	0.55		0.46	0.41	0.36	0.34		
030	Z ₁	4	4	3	2	2	1	1	1	1	1	1	
	γ	21°48′	18°50′	14°21′	9°40′	7°44′	5°34′	4°52′	3°53′	3°11′	2°46′	2°07′	
	M _x	2	1.44	1.44	1.44	1.1	1.7	1.44	1.1	0.88	0.75	0.56	
	η _d	0.86	0.84	0.81	0.76	0.72	0.67	0.64	0.58	0.54	0.50	0.44	
	η _s	0.71	0.66	0.62	0.54	0.50	0.43	0.39	0.35	0.31	0.27	0.23	
040	Z ₁	4	4	4	2	2	2	1	1	1	1	1	1
	γ	27°24′	21°48′	17°31′	11°18′	8°58′	7°41′	5°42′	4°30′	3°51′	3°17′	2°32′	2°05′
	M _x	2.8	2	1.5	2	1.5	1.25	2	1.5	1.25	1.04	0.78	0.63
	η _d	0.88	0.86	0.85	0.81	0.77	0.74	0.69	0.64	0.61	0.57	0.51	0.47
	η _s	0.72	0.69	0.65	0.58	0.53	0.5	0.44	0.4	0.36	0.32	0.28	0.24
050	Z ₁	4	4	4	2	2	2	1	1	1	1	1	1
	γ	23°49′	21°48′	17°42′	11°18′	9°04′	7°36′	5°42′	4°33′	3°49′	3°17′	2°33′	2°04′
	M _x	3.4	2.5	1.9	2.5	1.9	1.54	2.5	1.9	1.54	1.3	0.98	0.78
	η _d	0.87	0.86	0.84	0.8	0.77	0.74	0.7	0.65	0.61	0.57	0.51	0.49
	η _s	0.73	0.69	0.65	0.58	0.54	0.5	0.44	0.39	0.35	0.32	0.27	0.23
063	Z ₁		4	4	2	2	2	1	1	1	1	1	1
	γ		24°31′	20°19′	12°50′	10°29′	8°44′	6°30′	5°17′	4°23′	3°47′	2°59′	2°25′
	M _x		3.25	2.5	3.25	2.5	2	3.25	2.5	2	1.68	1.28	1.02
	η _d		0.87	0.86	0.82	0.8	0.77	0.73	0.69	0.65	0.61	0.56	0.5
	η _s		0.7	0.65	0.59	0.54	0.5	0.45	0.4	0.36	0.33	0.28	0.24
075	Z ₁		4	4	2	2	2	1	1	1	1	1	1
	γ		26°33′	21°48′	14°02′	11°18′	9°37′	7°07′	5°42′	4°50′	4°05′	3°15′	2°40′
	M _x		4	3	4	3	2.45	4	3	2.45	2	1.54	1.24
	η _d		0.88	0.87	0.84	0.81	0.79	0.75	0.71	0.68	0.64	0.59	0.54
	η _s		0.7	0.67	0.6	0.57	0.52	0.46	0.42	0.38	0.35	0.29	0.26
090	Z ₁		4	4	2	2	2	1	1	1	1	1	1
	γ		28°20′	23°26′	15°05′	12°14′	10°37′	7°40′	6°11′	5°21′	4°36′	3°36′	2°57′
	M _x		4.8	3.6	4.8	3.6	3	4.8	3.6	3	2.5	1.88	1.5
	η _d		0.89	0.88	0.85	0.83	0.81	0.77	0.74	0.71	0.68	0.62	0.58
	η _s		0.72	0.69	0.63	0.59	0.55	0.49	0.45	0.41	0.38	0.32	0.28
105 110	Z ₁		4	4	2	2	2	1	1	1	1	1	1
	γ		28°17′	27°35′	15°03′	14°38′	12°37′	7°39′	7°26′	6°23′	5°31′	4°23′	3°38′
	M _x		5.89	4.6	5.89	4.6	3.75	5.89	4.6	3.75	3.12	2.36	1.9
	η _d		0.89	0.88	0.85	0.84	0.83	0.78	0.77	0.74	0.71	0.66	0.62
	η _s		0.71	0.68	0.62	0.61	0.58	0.48	0.48	0.44	0.41	0.36	0.32
130	Z ₁		4	4	2	2	2	1	1	1	1	1	1
	γ		28°46′	26°15′	15°21′	13°51′	11°49′	7°48′	7°01′	5°58′	5°12′	4°05′	3°25′
	M _x		7	5.4	7	5.4	4.37	7	5.4	4.37	3.68	2.75	2.24
	η _d		0.9	0.88	0.86	0.85	0.83	0.79	0.77	0.74	0.71	0.67	0.63
	η _s		0.71	0.68	0.62	0.6	0.57	0.49	0.46	0.43	0.39	0.34	0.3
150	Z ₁		6	4	3	2	2	2	1	1	1	1	1
	γ		32°09′	24°35′	17°27′	12°53′	11°19′	9°50′	6°32′	5°43′	4°57′	3°55′	3°14′
	M _x		5.5	6.155	5.5	6.155	5	4.193	6.155	5	4.193	3.17	2.55
	η _d		0.91	0.9	0.88	0.86	0.84	0.83	0.78	0.76	0.73	0.68	0.64
	η _s		0.73	0.71	0.66	0.6	0.57	0.54	0.45	0.42	0.39	0.33	0.29

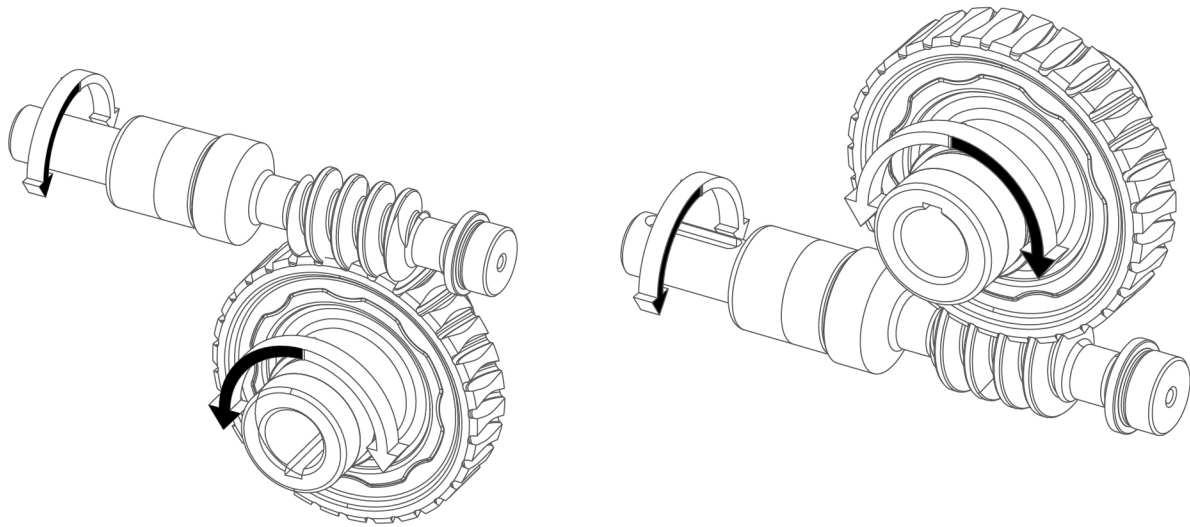
5.0 MESH DATA

5.1 Worm thread, worm wheel tooth and efficiency data

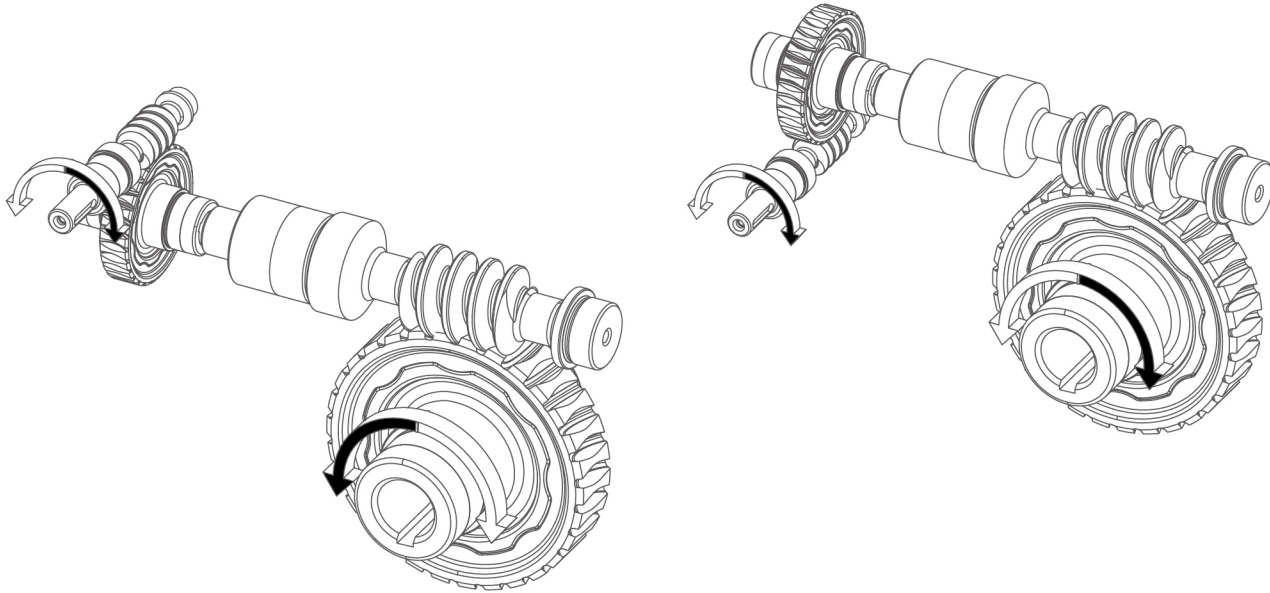
5.2 旋转方向

5.2 Direction of rotation

JMRV - JRV



JMRV+JMRV - JRV+JMRV

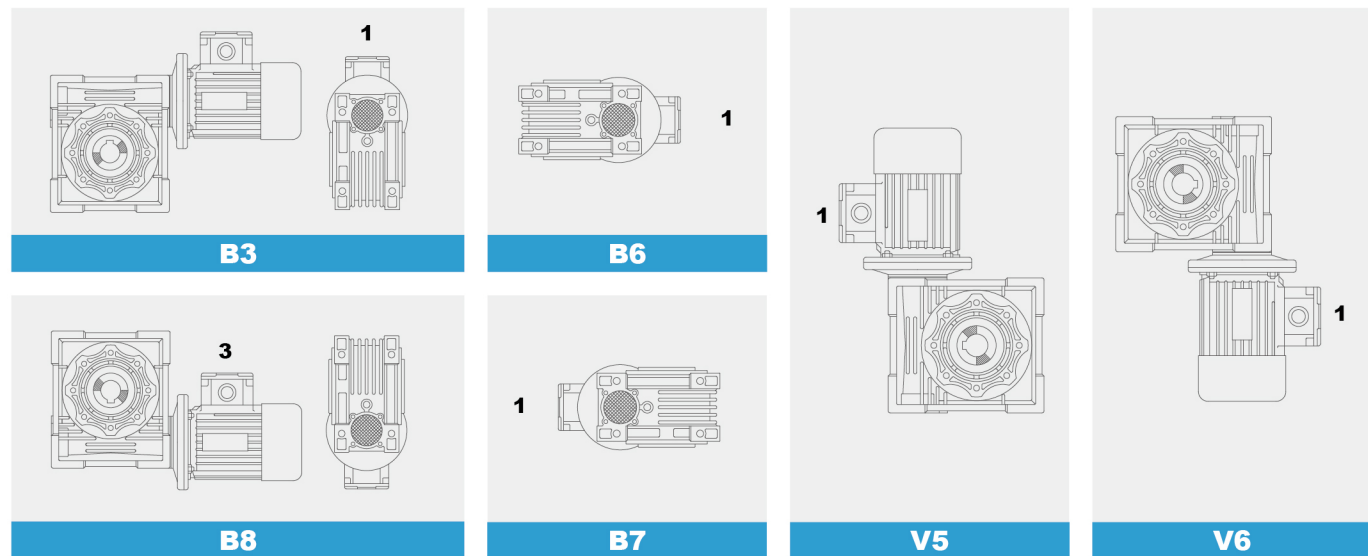


螺旋线为右旋
The helix is right-handed

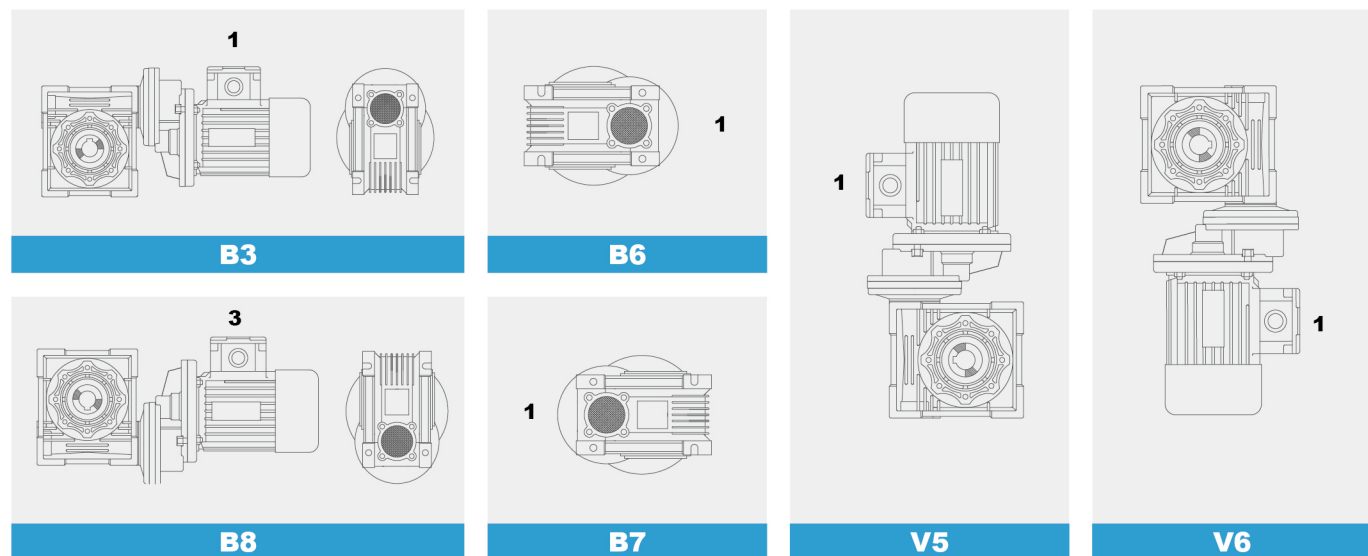


6.0 安装方位

6.1 JMRV - JRV 安装方位



6.2 PC+JMRV 安装方位



垂直安装时，请查看5页。
如无特殊说明，以B3为标准安装方式。
无相应的安装方式时，请与技术服务部联系。

6.0 MOUNTING POSITIONS

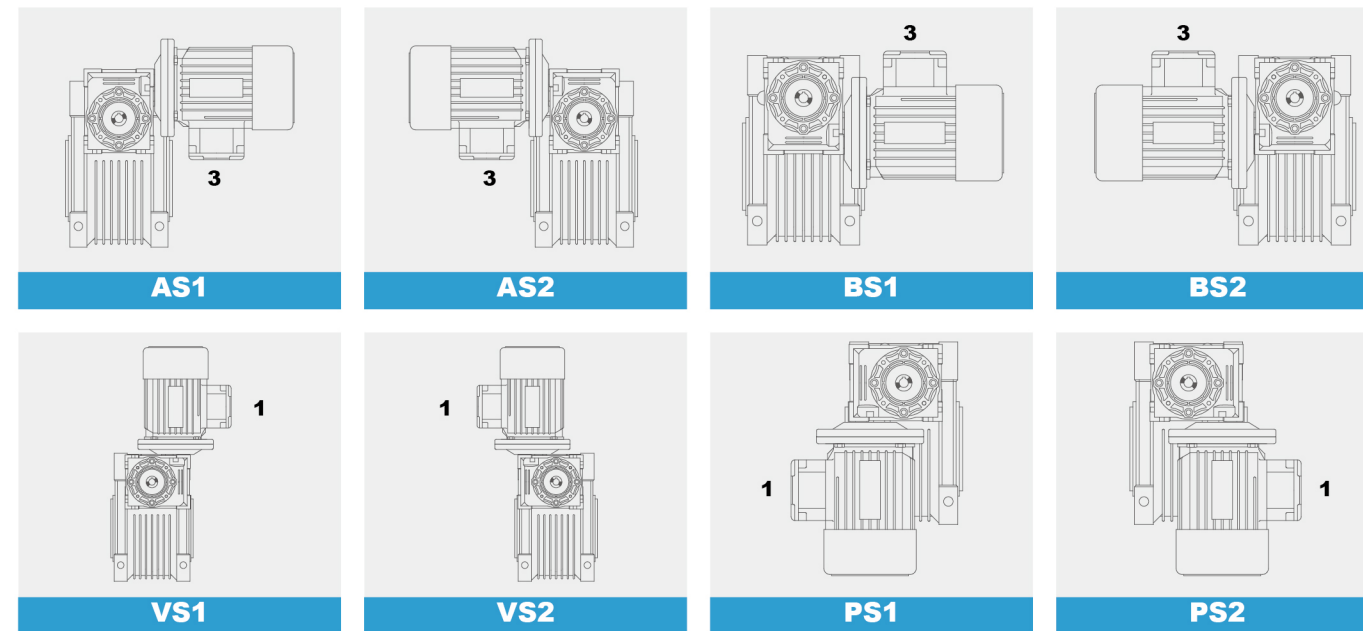
6.1 JMRV - JRV Mounting positions

6.2 PC+JMRV Mounting positions

For vertical positions,check with page 5.
Unless specified otherwise,fhe standard positions are B3.
For positions not envisaged,it is necessary to call our technical service.

6.3 JMRV+JMRV - JRV+JMRV 联接方式

6.3 JMRV+JMRV - JRV+JMRV Execution

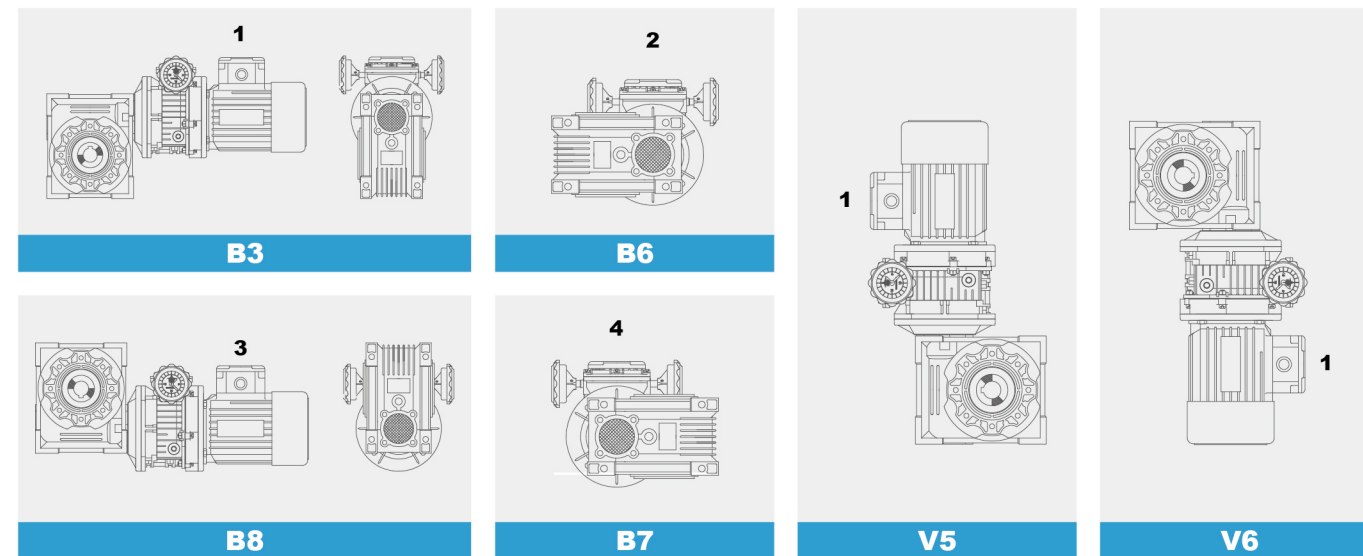


第一级和第二级减速器按上图方式组合，如在订货时没有特别说明,将按照BS2组合方式供货。第二级减速器实际的安装方式，参照23页的方位图。

The position of the 1st reducer with respect to the 2nd gear reducer on the version. Unless otherwise specified at the timeof the order,combination groups are supplied in version BS2. The specified mounting position refers to the 2nd gear reducer. See page 23 for the possible mounting positions.

6.4 UDL+JMRV 安装方位

6.4 UDL+JMRV Mounting positions

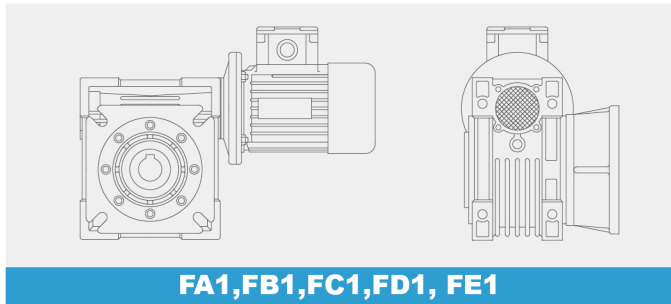


垂直安装时，请查看5页。
如无特殊说明，以B3为标准安装方式。
无相应的安装方式时，请与技术服务部练习。

For vertical positions,check with page 5.
Unless specified otherwise,fhe standard positions are B3.
For positions not envisaged,it is necessary to call our technical service.

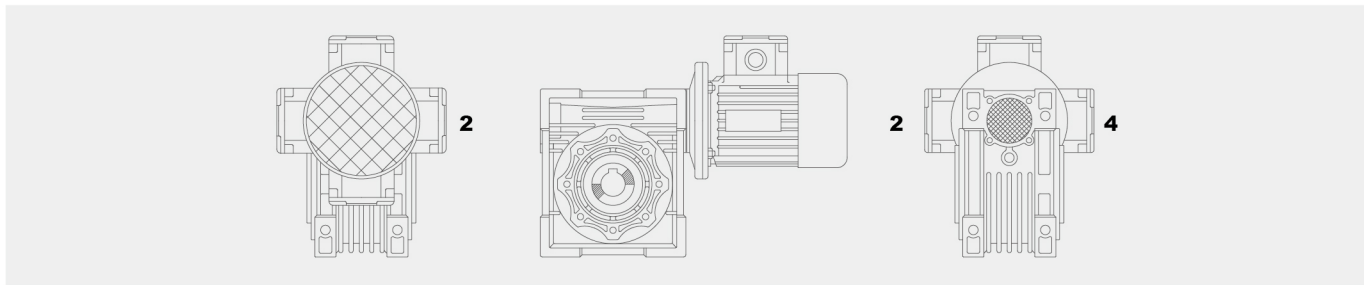
7.0 附件位置图

7.1 输出法兰位置



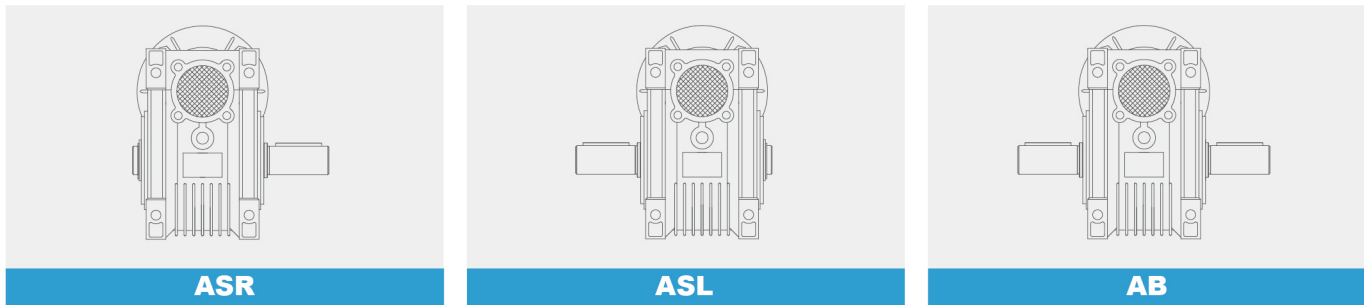
如没有特别说明,将按照如图F...1和B3安装方位的组合样式供货。

7.2 电机接线盒方位



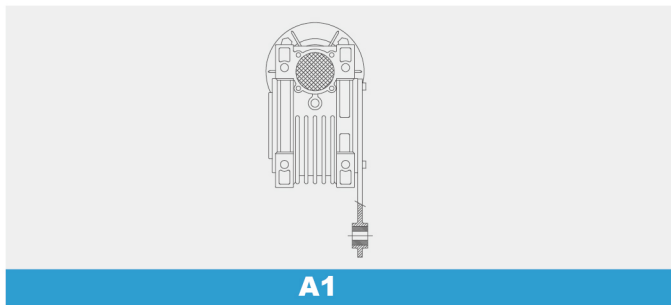
如对电机接线盒位置有特别要求，在下单时按图示注明方位。

7.3 输出轴配置



如没有特别说明, 将按照如图ASR和B3安装方位的组合样式供货。

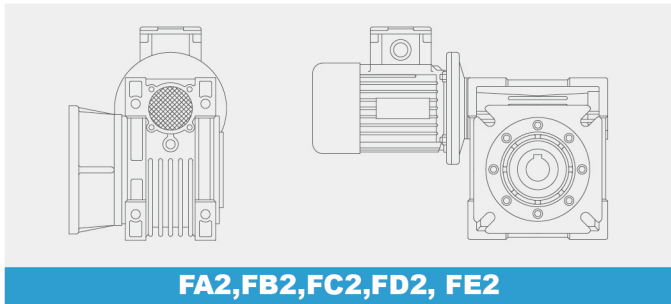
7.4 扭力臂配置



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。

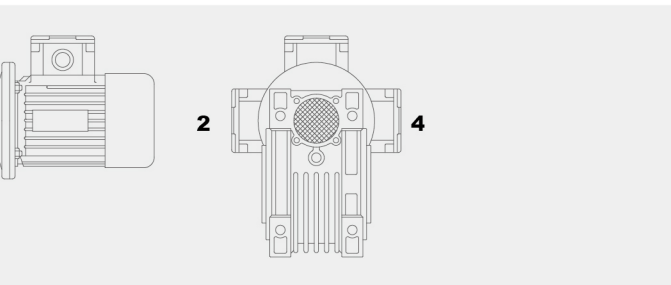
7.0 ACCESSORIES POSITIONS DIAGRAM

7.1 Flange mounting side



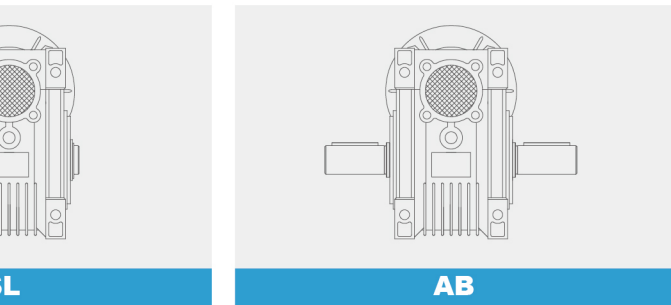
Unless specified otherwise,the reduction unit is supplied with the flange in pos. F...1 referred to position B3.

7.2 POS. of terminal box



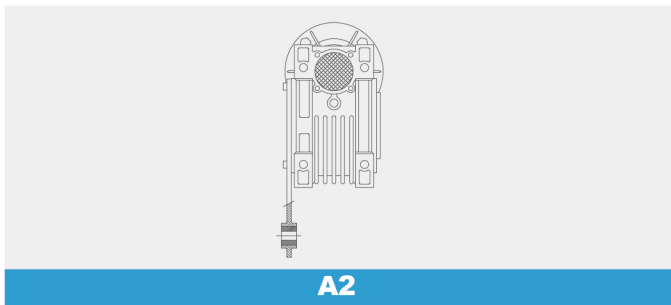
In the case of specific requirements,when ordering,specify the position of the terminal box as show in the diagram.

7.3 POS. of output shaft



Unless specified otherwise,the reduction unit is supplied with the flange in pos. ASR referred to position B3.

7.4 POS. of torque arm

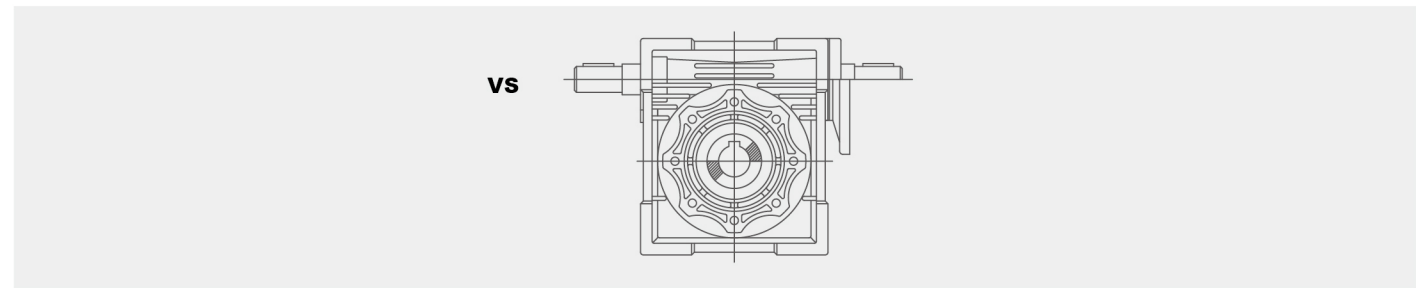


Unless specified otherwise,the reduction unit is supplied with the flange in pos. A1 referred to position B3..



7.5 双向输入轴

7.5 Double extension worm shaft



8.0 径向负荷

8.1 径向负荷

通过下列公式可计算轴上的承受重量:

$$F_{re} = \frac{2000 \cdot M \cdot f_z}{D} \leq F_{r1} \text{ 或 } F_{r2}$$

F_{re} = 轴所承受的径向负荷 (N)
M = 扭矩 (Nm)
D = 在轴上的传动元件之直径 (mm)
F_r = 最大径向承受力（参考有关图表）（N）

f_z = 1.1 齿轮
1.4 链轮
1.7 V-带轮
2.5 平直带轮

当径向负荷没有作用在轴伸中点时，就需要用以下公式计算：

$$F_{re} \leq \frac{F_r \cdot a}{(b+x)} \leq F_{r1} \text{ max 或 } F_{r2} \text{ max}$$

a , b , x: 有关参数表见第27页

8.0 RADIAL LOAD

8.1 Radial load

The radial load on the shaft is calculated with the following formula:

$$F_{re} = \frac{2000 \cdot M \cdot f_z}{D} \leq F_{r1} \text{ o } F_{r2}$$

F_{re} (N) Resulting radial load
M (Nm) Torque on the shaft
D (mm) Diameter of the transmission member mounted on the shaft
F_r (N) Value of the maximum admitted radial load (see relative tables)

f_z = 1,1 gear pinion
1,4 chain wheel
1,7 v-pulley
2,5 flat pulley

When the resulting radial load is not applied on the centre line of the shaft, it is necessary to calculate the effective load with the following formula:

$$F_{re} \leq \frac{F_r \cdot a}{(b+x)} \leq F_{r1} \text{ max o } F_{r2} \text{ max}$$

a , b , x = values given in the tables on page 27

8.2 径向负荷-技术说明

轴所允许负载的负荷(N)可从相关的图表中查找或从已推出的减速器相关资料中查找。它包括了当负荷与主轴在同一中心线的计算,也有不在同心线情况下的好几种可能角度和转向.当径向与轴向负载同时存在时,最大的允许轴向负载值只是径向负载值的五分之一.图表中所表示的是输出轴的最大承重量。在日常操作中,绝对不可以超过图表的数值,因为关系到外壳的承受极限。在特殊情况下，如轴的负载重量必须要超过这本样本中的数值极限。请与技术人员联系并查阅使用说明书：负载指示，轴的旋转方向，应用种类。

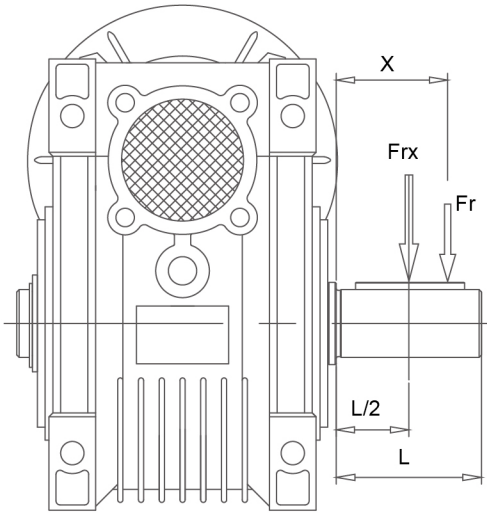
8.2 Radial load-Technical descriptions

The value of the admissible radial load (N) is given in the tables relating to the performance of the reduction unit at issue. It is related to the load applied on the centre line of the shaft and in the most unfavourable conditions of angle of application and direction of rotation. 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 load. The tables relating to the output shafts give the maximum admissible value. This value must never be exceeded since it relates to the strength of the case. Particular conditions of radial load higher than the limits of the catalogue may occur. In this case, call our Technical Service and provide details on the application: direction of the load, direction of rotation of the shaft, type.



8.3 输出轴径向负荷

8.3 Output shaft Radial load



JMRV	025	030	040	050	063	075	090	105	110	130	150
a	50	65	84	101	120	131	162	176	176	188	215
b	38	50	64	76	95	101	122	136	136	148	174
F _{r2} max	1350	1830	3490	4840	6270	7380	8180	10320	12000	13500	18000

(*)上述所有轴上的最大负载值是根据单转向并使用圆锥滚子轴承(非)的前提下计算的。

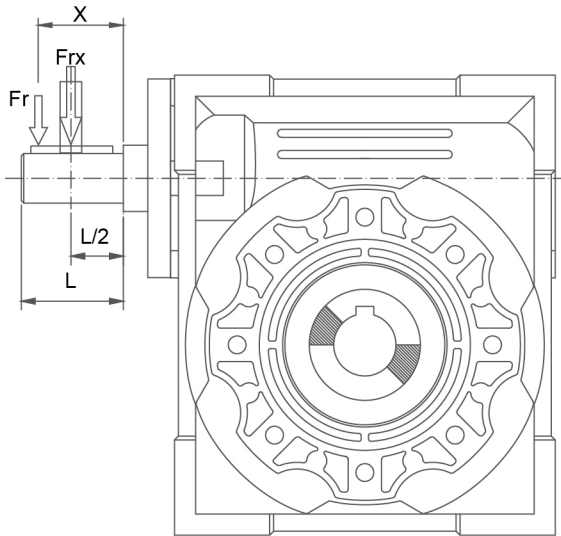
具体的径向负载值可参见相关性能表 (F_{r2})

(*) Maximum axial load values admissible in only one direction with the use of a thrust bearing (on request).

The values of the admissible radial loads are given on the pages relating to performance (F_{r2})

8.4 输入轴径向负荷

8.4 Input shaft radial load



JRV	030	040	050	063	075	090	105/110	130	150
a	86	106	129	159	192	227	266	314	350
b	76	94.5	114	139	167	202	236	274	310
F _{r1} max	210	350	490	700	980	1270	1700	2100	2800

具体的径向负载值可参见相关性能表(F_{r1})

The values of the admissible radial loads are given on the pages relating to performance (F_{r1})



9.0 蜗杆减速器选型表
WORM-GEAR UNIT SELECTION CHARTS

9.1 JMRV, JMRV+JMRV, PC+JMRV 性能参数

9.1 JMRV, JMRV+JMRV, PC+JMRV Performance

P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.06	280.0	1.8	6.2	5	JMRV025	561-4	439	61
	186.7	2.6	4.2	7.5			503	
	140	3.4	3.5	10			553	
	93.3	4.9	2.5	15			633	
	70	6.1	2	20			697	
	46.7	8.2	1.6	30			798	
	35	10	1.3	40			878	
	28	12	0.9	50			946	
	23.3	14	0.7	60			1006	
	180	2.7	4.8	5		562-6	509	61
	120	4	3.2	7.5			583	
	90	5.2	2.7	10			641	
	60	7.4	1.9	15			734	
	45	9.3	1.4	20			808	
	30	12	1.2	30			925	
	22.5	15	0.9	40			1018	
	18	18	0.7	50			1096	
	280	1.8	10.1	5	JMRV030	561-4	597	62
	186.7	2.6	6.9	7.5			683	
	140	3.4	5.4	10			752	
	93.3	4.7	3.8	15			861	
	70	6	3	20			948	
	56	7	3	25			1021	
	46.7	8	2.5	30			1085	
	35	9.7	1.9	40			1194	
	28	11	1.5	50			1286	
	23.3	13	1.3	60			1367	
	17.5	14	0.9	80			1504	
	15	18	0.9	60	JMRV030	562-6	1583	62
	14	25	1.3	100	JMRV025/030	561-4	1620	76
	9.3	32	0.9	150			1830	
	7	41	0.7	200			1830	
	5.6	44	0.8	250			1830	
	18	18	2.3	50			2868	
	15	21	1.9	60	JMRV040	562-6	3047	63
	11.3	24	1.4	80			3354	
	9	27	1.2	100			3490	



9.1 JMRV, JMRV+JMRV, PC+JMRV 性能参数

P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.06	4.7	59	1.2	300	JMRV025/040		3490	76
	3.5	71	0.9	400			3490	
	2.8	82	0.7	500			3490	
	2.3	101	0.6	600			3490	
	1.9	116	0.5	750			3490	
	1.6	143	0.5	900			3490	
	1.2	171	0.4	1200			3490	
	0.9	197	0.3	1500			3490	
	0.8	217	0.3	1800			3490	
	0.6	268	0.2	2400			3490	
	0.5	324	0.2	3000			3490	
	0.4	294	0.1	4000			3490	
	0.3	356	0.1	5000			3490	
	4.7	57	1.3	300			3490	
	3.5	70	0.9	400			3490	
	2.8	96	0.6	500			3490	
	2.3	104	0.7	600			3490	

9.1 JMRV, JMRV+JMRV, PC+JMRV Performance

P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.06	1.9	121	0.6	750	JMRV030/040		3490	77
	1.6	139	0.5	900			3490	
	1.2	166	0.4	1200			3490	
	0.9	196	0.4	1500			3490	
	0.8	218	0.3	1800			3490	
	0.58	261	0.2	2400			3490	
	0.4	300	0.2	3200			3490	
	0.4	279	0.1	4000			3490	
	0.28	338	0.1	5000			3490	
	1.6	141	1	900	JMRV030/050		4840	77
	1.2	169	0.7	1200			4840	
	0.93	199	0.7	1500			4840	
	0.78	222	0.7	1800			4840	
	0.6	266	0.5	2400			4840	
	0.5	307	0.4	3000			4840	
	0.35	288	0.3	4000			4840	
	0.29	311	0.3	4800			4840	
	0.9	204	1.1	1500	JMRV030/063		6270	77
	0.78	225	0.9	1800			6270	
	0.58	276	0.8	2400			6270	
	0.47	319	0.7	3000			6270	
	0.35	306	0.6	4000			6270	
	0.28	360	0.4	5000			6270	
	0.6	330	1.1	2400	JMRV040/075		7380	78
	0.47	377	0.8	3000			7380	
	0.35	355	0.7	4000			7380	
	0.28	419	0.5	5000			7380	
	0.5	406	1.4	3000	JMRV040/090		8180	78
	0.35	365	1.3	4000			8180	
	0.28	431	1	5000			8180	
0.09	280	2.7	4.1	5	JMRV025		439	61
	186.7	3.9	2.8	7.5			503	
	140	5.1	2.4	10			553	
	93.3	7.3	1.6	15			633	
	70	9.2	1.3	20			697	
	46.7	12	1.1	30			798	
	35	15	0.9	40			878	
	280	2.7	6.7	5	JMRV030		597	62
	186.7	3.9	4.6	7.5			683	
	140	5	3.6	10			752	
	93.3	7.1	2.5	15			861	
	70	9	2	20			948	
	56	10	2	25			1021	
	46.7	12	1.7	30			1085	
	35	14	1.2	40			1194	
	28	17	1	50			1286	
	23.3	19	0.9	60			1367	
	180	4.1	4.9	5	JMRV030		692	62
	120	5.9	3.4	7.5			792	
	90	7.6	2.6	10			871	
	60	11	1.9	15			997	
	45	13	1.5	20			1098	
	36	15	1.5	25			1183	
	30	17	1.2	30			1257	
	22.5	21	1	40			1383	
	18	24	0.7	50			1490	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.09	14	38	0.8	100	JMRV025/030	562-4	1620	76
	9.3	49	0.6	150			1830	
	7	62	0.5	200			1830	
	5.6	66	0.5	250			1830	
	4.7	75	0.4	300			1830	
	3.5	107	0.3	400			1830	
	2.8	115	0.3	500			1830	
	2.3	135	0.2	600			1830	
	1.9	151	0.2	750			1830	
	1.6	178	0.2	900			1830	
	1.2	212	0.1	1200			1830	
	0.9	247	0.1	1500			1830	
	0.78	304	0.1	1800			1830	
	0.58	340	0.1	2400			1830	
	0.47	405	0.1	3000			1830	
	28	19	2	50	JMRV040	562-4	2475	63
	23.3	21	1.7	60			2630	
	17.5	26	1.3	80			2895	
	14	29	1	100			3118	
	30	19	2.6	30	JMRV040	631-6	2419	63
	22.5	24	1.9	40			2662	
	18	27	1.5	50			2868	
	15	31	1.3	60			3047	
	11.3	37	1	80			3354	
	9	41	0.8	100			3490	
	12.3	47	1.3	73.3	PC063+JMRV040	631-6	3283	72
	10.2	51	1.4	88			3488	
	7.7	62	1.1	117.3			3490	
	6.1	72	0.8	146.7			3490	
	5.1	79	0.7	176			3490	
	4.7	88	0.8	300	JMRV030/040	562-4	3490	77
	15	32	2.3	60	JMRV050	631-6	4183	64
	11.3	37	1.8	80			4604	
	9	42	1.3	100			4840	
	6.1	73	1.6	146.7	PC063+JMRV050	631-6	4840	72
	5.1	81	1.3	176			4840	
	3.8	94	0.9	234.6			4840	
	3	106	0.7	293.3			4840	
	3.5	107	1.2	400	JMRV030/050	562-4	4840	77
	2.8	123	1	500			4840	
	2.3	159	0.9	600			4840	
	1.9	185	0.8	750			4840	
	1.6	212	0.7	900			4840	
	3.8	99	1.7	234.6	PC063+JMRV063	631-6	6270	72
	3	109	1.4	293.3			6270	
	1.6	200	1	900	JMRV030/063	562-4	6270	77
	1.2	263	0.9	1200			6270	
	0.93	305	0.7	1500			6270	
	0.9	360	1.1	1500	JMRV040/075	562-4	7380	78
	0.78	404	1	1800			7380	
	0.58	496	0.7	2400			7380	
	0.5	609	0.9	3000	JMRV040/090	562-4	8180	78
	0.35	548	0.8	4000			8180	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.12	280	3.6	5.1	5	JMRV030	631-4	597	62
	186.7	5.2	3.4	7.5			683	
	140	6.7	2.7	10			752	
	93.3	9.5	1.9	15			861	
	70	12	1.5	20			948	
	56	14	1.5	25			1021	
	46.7	16	1.3	30			1085	
	35	19	0.9	40			1194	
	28	23	0.8	50			1286	
	180	5.4	3.7	5		632-6	692	62
	120	7.9	2.5	7.5			792	
	90	10	2	10			871	
	60	14	1.4	15			997	
	45	18	1.1	20			1098	
	36	20	1.1	25			1183	
	30	23	0.9	30			1257	
	46.7	17	2.6	30	JMRV040	631-4	2087	63
	35	21	1.9	40			2298	
	28	25	1.5	50			2475	
	23.3	28	1.3	60			2630	
	17.5	34	1	80			2895	
	14	38	0.8	100			3118	
	30	25	1.9	30	JMRV040	632-6	2419	63
	22.5	32	1.4	40			2662	
	18	36	1.2	50			2868	
	15	41	0.9	60			3047	
	19.1	42	1.2	73.3	PC063+JMRV040	631-4	2833	72
	15.9	46	1.2	88			3011	
	11.9	57	0.9	117.3			3314	
	9.5	66	0.7	146.7			3490	
	7.9	74	0.6	176			3490	
	12.3	62	1	73.3	PC063+JMRV040	632-6	3283	72
	10.2	68	1.1	88			3488	
	7.7	83	0.8	117.3			3490	
	23.3	29	2.3	60	JMRV050	631-4	3610	64
	17.5	35	1.9	80			3973	
	14	40	1.4	100			4280	
	22.5	32	2.6	40	JMRV050	632-6	3654	64
	18	38	2	50			3936	
	15	42	1.7	60			4183	
	11.3	50	1.4	80			4604	
	9	56	1	100			4840	
	9.5	68	1.3	146.7	PC063+JMRV050	631-4	4840	72
	8	75	1.1	176			4840	
	5.8	88	0.8	234.6			4840	
	4.8	98	0.7	293.3			4840	
	12.3	63	1.7	73.3	PC063+JMRV050	632-6	4506	72
	10.2	70	2.1	88			4788	
	7.7	84	1.5	117.3			4840	
	6.1	97	1.2	146.7			4840	
	5.1	108	1	176			4840	
	3.8	125	0.7	234.6			4840	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.12	4.7	119	1.2	300	JMRV030/050	631-4	4840	77
	3.5	142	0.9	400			4840	
	2.8	164	0.7	500			4840	
	6	92	1.5	234.6	PC063+JMRV063	631-4	6270	72
	4.8	103	1.2	293.3			6270	
	6.1	101	2.1	146.7	PC063+JMRV063	632-6	6270	72
	5.1	112	1.8	176			6270	
	3.8	131	1.3	234.6			6270	
	3.1	145	1	293.3			6270	
	2.8	171	1.3	500	JMRV030/063	631-4	6270	77
	2.3	208	1.1	600			6270	
	1.9	241	0.9	750			6270	
	1.6	325	1.2	900	JMRV040/075	631-4	7380	78
	1.2	399	0.9	1200			7380	
	0.8	547	0.9	1800	JMRV040/090	631-4	8180	78
	0.58	695	0.9	2400			8180	
	0.5	884	1.1	3000	JMRV050/105	631-4	10320	78
	0.35	784	1.0	4000			10320	
	0.28	928	0.76	5000			10320	
0.18	0.5	884	1.2	3000	JMRV050/110	631-4	10320	79
	0.35	784	1	4000			10320	
	0.28	928	0.8	5000			10320	
	280	5.3	3.4	5	JMRV030	632-4	597	62
	186.7	7.8	2.3	7.5			683	
	140	10	1.8	10			752	
	93.3	14	1.3	15			861	
	70	18	1	20			948	
	56	21	1	25			1021	
	46.7	24	0.8	30			1085	
	70	19	2	20	JMRV040	632-4	1824	63
	56	23	1.7	25			1964	
	46.7	26	1.7	30			2087	
	35	32	1.3	40			2298	
	28	38	1	50			2475	
	23.3	43	0.8	60			2630	
	45	29	1.5	20	JMRV040	711-6	2113	63
	36	34	1.3	25			2276	
	30	38	1.3	30			2419	
	22.5	47	1	40			2662	
	19.1	64	0.8	73.3	PC063+JMRV040	632-4	2833	72
	15.9	70	0.8	88			3011	
	11.9	85	0.6	117.3			3314	
	35	33	2.3	40	JMRV050	632-4	3153	64
	28	39	1.9	50			3397	
	23.3	43	1.6	60			3610	
	17.5	52	1.2	80			3973	
	14	60	0.9	100			4280	
	18	56	1.4	50	JMRV050	711-6	3936	64
	15	63	1.1	60			4183	
	11.3	75	0.9	80			4604	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.18	19.1	64	1.4	73.3	PC063+JMRV050	632-4	3889	72
	15.9	71	1.5	88			4132	
	11.9	87	1.1	117.3			4548	
	9.5	101	0.9	146.7			4840	
	7.9	113	0.7	176			4840	
	5.8	133	0.6	234.6			4840	
	12.2	95	1.2	73.5	PC071+JMRV050	711-6	4506	73
	10.2	105	1.4	88.2			4788	
	7.7	126	1	117.6			4840	
	15	66	2.1	60	JMRV063	711-6	5467	65
	11.3	79	1.6	80			6018	
	9	90	1.4	100			6270	
	9.5	103	1.7	146.7	PC063+JMRV063	632-4	6270	72
	8	117	1.4	176			6270	
	5.8	139	1	234.6			6270	
	4.8	155	0.8	293.3			6270	
	12.4	97	2.2	73.5	PC071+JMRV063	711-6	5889	73
	10.2	107	2.4	88.2			6259	
	7.7	131	1.8	117.6			6270	
	6.1	152	1.4	147			6270	
	5.1	168	1.2	176.4			6270	
	3.8	197	0.9	235.2			6270	
0.25	3.1	218	0.7	294			6270	
	3.5	222	1	400	JMRV030/063	632-4	6270	77
	2.8	257	0.8	500			6270	
	5.1	179	1.7	176.4	PC071+JMRV075	711-6	7380	73
	3.8	211	1.2	235.2			7380	
	3.1	235	1	294			7380	
	2.3	362	1.1	600	JMRV040/075	632-4	7380	78
	1.9	435	0.9	750			7380	
	1.6	487	0.8	900			7380	
	1.2	629	1	1200	JMRV040/090	632-4	8180	78
	0.93	735	0.8	1500			8180	
	0.8	861	1.3	1800	JMRV050/105	632-4	10320	78
	0.58	1113	0.9	2400			10320	
	0.8	861	1.5	1800	JMRV050/110	632-4	10320	79
	0.58	1113	1.1	2400			10320	
	280	8	4.5	5	JMRV040	711-4	1149	63
	186.7	11	3.6	7.5			1315	
	140	14	2.8	10			1447	
	93.3	21	1.9	15			1657	
	70	27	1.5	20			1824	
	56	32	1.2	25		712-6	1964	63
	46.7	36	1.3	30			2087	
	35	44	0.9	40			2298	
	180	12	3.5	5	JMRV040		1331	
	120	17	2.6	7.5			1524	
	90	22	2	10			1677	
	60	31	1.4	15			1920	
	45	40	1.1	20			2113	
	36	48	0.9	25			2276	
	30	53	0.9	30			2419	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.25	70	27	2.7	20	JMRV050	711-4	2503	64
	56	32	2.2	25			2696	
	46.7	37	2.3	30			2865	
	35	46	1.7	40			3153	
	28	54	1.4	50			3397	
	23.3	60	1.1	60			3610	
	17.5	72	0.9	80			3973	
	45	40	1.9	20	JMRV050	712-6	2900	64
	36	48	1.5	25			3124	
	30	54	1.7	30			3320	
	22.5	67	1.2	40			3654	
	18	78	1	50			3936	
	15	88	0.8	60			4183	
	19	88	1	73.5	PC071+JMRV050	711-4	3889	73
	15.9	98	1.1	88.2			4132	
	11.9	121	0.8	117.6			4548	
	28	56	2.4	50	JMRV063	711-4	4440	65
	23.3	63	2	60			4719	
	17.5	78	1.6	80			5193	
	14	87	1.4	100			5595	
	18	81	1.8	50	JMRV063	712-6	5145	65
	15	92	1.5	60			5467	
	11.3	110	1.2	80			6018	
	9	125	1	100			6270	
	19	91	1.8	73.5	PC071+JMRV063	711-4	5083	73
	15.9	100	2	88.2			5401	
	11.9	125	1.5	117.6			5945	
	9.5	143	1.2	147			6270	
	7.9	163	1	176.4			6270	
	6	192	0.7	235.2			6270	
	4.8	215	0.6	294			6270	
	12.4	135	1.6	73.5			5889	
	10.2	148	1.8	88.2	PC071+JMRV063	712-6	6259	73
	7.7	181	1.3	117.6			6270	
	6.1	211	1	147			6270	
	17.5	82	2.3	80	JMRV075	711-4	6130	66
	14	94	1.9	100			6603	
	11.3	117	1.7	80	JMRV075	712-6	7103	66
	9	133	1.4	100			7380	
	9.5	151	1.7	147	PC071+JMRV075	711-4	7380	73
	7.9	172	1.4	176.4			7380	
	6	201	1.1	235.2			7380	
	4.8	230	0.9	294			7380	
	12.4	139	2.4	73.5			6952	
	10.2	155	2.5	88.2	PC071+JMRV075	712-6	7380	73
	7.7	191	1.9	117.6			7380	
	6.1	219	1.5	147			7380	
	5.1	248	1.2	176.4			7380	
	3.5	336	1.1	400			7380	
	2.8	384	0.8	500	JMRV040/075	711-4	7380	78



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.25	5.1	263	1.9	176.4	PC071+JMRV090	712-6	8180	74
	3.8	318	1.4	235.2			8180	
	3.1	358	1.1	294			8180	
	2.3	512	1.2	600	JMRV040/090	711-4	8180	78
	1.9	598	0.9	750			8180	
	1.6	667	0.8	900			8180	
	1.2	943	1.1	1200	JMRV050/105	711-4	10320	78
	0.93	1064	1	1500			10320	
	0.78	1195	0.9	1800			10320	
	1.2	943	1.3	1200	JMRV050/110	711-4	10320	79
	0.93	1064	1.2	1500			10320	
	0.78	1195	1.1	1800			10320	
	0.6	1624	1	2400	JMRV063/130	711-4	13500	79
	0.47	1935	0.8	3000			13500	
	0.35	2046	0.6	4000			13500	
	0.28	2430	0.5	5000			13500	
	0.8	1199	1.8	1800	JMRV063/150	711-4	18000	79
	0.6	1446	1.8	2400			18000	
	0.5	1713	1.4	3000			18000	
	0.4	2026	0.9	4000			18000	
	0.3	2251	0.7	5000			18000	
0.37	280	11	3	5	JMRV040	712-4	1149	63
	186.7	16	2.4	7.5			1315	
	140	21	1.9	10			1447	
	93.3	31	1.3	15			1657	
	70	39	1	20			1824	
	56	47	0.8	25			1964	
	46.7	53	0.8	30			2087	
	140	22	3.3	10	JMRV050	712-4	1987	64
	93.3	31	2.4	15			2274	
	70	40	1.8	20			2503	
	56	48	1.5	25			2696	
	46.7	55	1.5	30			2865	
	35	68	1.1	40			3153	
	28	80	0.9	50			3397	
	23.3	89	0.8	60			3610	
	180	17	4.3	5	JMRV050	801-6	1827	64
	120	25	3.3	7.5			2091	
	90	33	2.5	10			2302	
	60	47	1.8	15			2635	
	45	60	1.3	20			2900	
	36	72	1	25	JMRV063	712-4	3124	65
	30	80	1.1	30			3320	
	35	71	2.1	40			4122	
	28	83	1.6	50			4440	
	23.3	94	1.4	60			4719	
	17.5	115	1.1	80	JMRV063	712-4	5193	65
	14	129	0.9	100			5595	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.37	45	60	2.4	20	JMRV063	801-6	3791	65
	36	74	1.9	25			4084	
	30	82	2.1	30			4339	
	22.5	102	1.6	40			4776	
	18	120	1.2	50			5145	
	15	137	1	60			5467	
	19	134	1.2	73.5	PC071+JMRV063	712-4	5083	73
	15.9	148	1.4	88.2			5401	
	11.9	185	1	117.6			5945	
	9.5	212	0.8	147			6270	
	23.3	98	2	60	JMRV075	712-4	5569	66
	17.5	121	1.6	80			6130	
	14	139	1.3	100			6603	
	18	126	1.8	50	JMRV075	801-6	6073	66
	15	144	1.5	60			6453	
	11.3	173	1.2	80			7103	
	9	196	1	100			7380	
	19	138	1.8	73.5	PC071+JMRV075	712-4	6000	73
	15.9	154	1.9	88.2			6375	
	11.9	191	1.5	117.6			7017	
	9.5	223	1.1	147			7380	
	7.9	254	0.9	176.4			7380	
	12	206	1.6	75	PC080+JMRV075	801-6	6952	74
	10	230	1.7	90			7380	
	7.5	283	1.3	120			7380	
	6	324	1	150			7380	
	4.7	405	1	300	JMRV040/075	712-4	7380	78
	3.5	498	0.7	400			7380	
	11.3	185	1.7	80	JMRV090	801-6	7859	67
	9	212	1.3	100			8180	
	7.9	268	1.5	176.4	PC071+JMRV090	712-4	8180	74
	6	321	1.1	235.2			8180	
	4.8	371	0.9	294			8180	
	6	347	1.6	150	PC080+JMRV090	801-6	8180	74
	5	389	1.3	180			8180	
	3.8	471	1	240			8180	
	4.7	402	1.5	300	JMRV040/090	712-4	8180	78
	3.5	523	1.2	400			8180	
	2.8	611	0.9	500			8180	
	2.3	757	0.8	600			8180	
	3.8	509	1.5	240	PC080+JMRV105	801-6	10320	75
	3	577	1.2	300			10320	
	1.9	950	1.2	750	JMRV050/105	712-4	10320	78
	1.6	1079	1	900			10320	
	1.2	1396	0.7	1200			10320	
	3.8	509	1.6	240	PC080+JMRV110	801-6	10320	75
	3	577	1.3	300			10320	
	1.9	950	1.3	750	JMRV050/110	712-4	10320	79
	1.6	1079	1.2	900			10320	
	1.2	1396	0.8	1200			10320	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.37	0.9	1674	1.1	1500	JMRV063/130	712-4	13500	79
	0.78	1887	0.9	1800			13500	
	0.8	1775	1.2	1800	JMRV063/150	712-4	18000	79
0.55	0.6	2141	1.2	2400			18000	
	0.5	2535	0.9	3000			18000	
	280	17	3.7	5	JMRV050	801-4	1577	64
	186.7	25	2.9	7.5			1805	
	140	32	2.2	10			1987	
	93.3	46	1.6	15			2274	
	70	59	1.2	20			2503	
	56	71	1	25			2696	
	46.7	81	1	30			2865	
	120	38	2.2	7.5	JMRV050	802-6	2091	64
	90	49	1.7	10			2302	
	60	69	1.2	15			2635	
	45	89	0.9	20			2900	
	70	61	2.2	20	JMRV063	801-4	3272	65
	56	73	1.8	25			3524	
	46.7	83	1.9	30			3745	
	35	105	1.4	40			4122	
	28	124	1.1	50			4440	
	23.3	140	0.9	60			4719	
	60	71	2.2	15	JMRV063	802-6	3444	65
	45	90	1.6	20			3791	
	36	109	1.3	25			4084	
	30	123	1.4	30			4339	
	22.5	152	1.1	40			4776	
	35	108	2	40	JMRV075	801-4	4865	66
	28	129	1.6	50			5241	
	23.3	146	1.4	60			5569	
	17.5	180	1.1	80			6130	
	14	206	0.9	100			6603	
	30	128	2	30	JMRV075	802-6	5122	66
	22.5	159	1.5	40			5637	
	18	187	1.2	50			6073	
	15	214	1	60			6453	
	18.7	205	1.2	75	PC080+JMRV075	801-4	6000	74
	15.6	230	1.3	90			6375	
	11.7	284	1	120			7017	
	9.3	332	0.8	150			7380	
	12	306	1.1	75	PC080+JMRV075	802-6	6952	74
	10	341	1.1	90			7380	
	17.5	189	1.5	80	JMRV090	801-4	6783	67
	14	221	1.2	100			7306	
	18	198	2	50	JMRV090	802-6	6719	67
	15	224	1.6	60			7140	
	11.3	275	1.1	80			7859	
	9	315	0.9	100			8180	
	15.6	240	2.3	90	PC080+JMRV090	801-4	7054	74
	11.7	297	1.6	120			7764	
	9.3	355	1.3	150			8180	
	7.8	398	1	180			8180	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.55	10	357	2	90	PC080+JMRV090	802-6	8174	74
	7.5	441	1.4	120			8180	
	6	516	1.1	150			8180	
	5	578	0.9	180			8180	
	17.5	201	2.4	80	JMRV105	801-4	8571	68
	14	236	1.9	100			9232	
	11.3	294	1.8	80	JMRV105	802-6	9931	68
	9	338	1.4	100			10320	
	7.8	425	1.7	180	PC080+JMRV105	801-4	10320	75
	5.8	513	1.2	240			10320	
	4.7	597	1	300			10320	
	7.5	462	2.2	120	PC080+JMRV105	802-6	10320	75
	6	552	1.8	150			10320	
	5	620	1.5	180			10320	
	3.8	756	1	240			10320	
	4.7	639	1.7	300	JMRV050/105	801-4	10320	78
	3.5	826	1.2	400			10320	
	2.8	984	1	500			10320	
	2.3	1181	0.9	600			10320	
	1.9	1411	0.8	750			10320	
	17.5	201	2.6	80			8571	69
	14	236	2	100	JMRV110	801-4	9232	
	11.3	294	1.9	80	JMRV110	802-6	9931	69
	9	338	1.5	100			10320	
	7.8	425	1.8	180	PC080+JMRV110	801-4	10320	75
	5.8	513	1.3	240			10320	
	4.7	597	1	300			10320	
	7.5	462	2.6	120	PC080+JMRV110	802-6	10320	75
	6	552	2	150			10320	
	5	620	1.6	180			10320	
	3.8	756	1.1	240			10320	
	4.7	639	2	300	JMRV050/110	801-4	10320	79
	3.5	826	1.4	400			10320	
	2.8	984	1.1	500			10320	
	2.3	1181	1	600			10320	
	1.9	1411	0.9	750			10320	
	3.8	756	1.6	240			13500	75
	3	858	1.3	300	PC080+JMRV130	802-6	13500	
	2.8	996	1.6	500	JMRV063/130	801-4	13500	79
	1.9	1471	1.2	750			13500	
	1.2	2132	0.8	1200			13500	
	0.8	2638	0.8	1800			18000	79
	0.6	3182	0.8	2400	JMRV063/150	801-4	18000	
0.75	280	23	2.7	5	JMRV050	802-4	1577	64
	186.7	34	2.1	7.5			1805	
	140	44	1.6	10			1987	
	93.3	63	1.2	15			2274	
	70	81	0.9	20			2503	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.75	93.3	64	2.2	15	JMRV063	802-4	2973	65
	70	83	1.6	20			3272	
	56	100	1.3	25			3524	
	46.7	114	1.4	30			3745	
	35	143	1	40			4122	
	120	52	2.9	7.5	JMRV063	90S-6	2734	65
	90	68	2.3	10			3009	
	60	97	1.6	15			3444	
	45	123	1.2	20			3791	
	36	149	0.9	25			4084	
	30	167	1	30			4339	
	56	102	2	25	JMRV075	802-4	4160	66
	46.7	117	2	30			4421	
	35	147	1.5	40			4865	
	28	177	1.2	50			5241	
	23.3	200	1	60			5569	
	60	98	2.4	15	JMRV075	90S-6	4065	66
	45	126	1.9	20			4474	
	36	153	1.4	25			4820	
	30	174	1.5	30			5122	
	22.5	216	1.1	40			5637	
	18.7	280	0.9	75	PC080+JMRV075	802-4	6000	74
	15.6	313	1	90			6375	
	28	184	1.8	50	JMRV090	802-4	5799	67
	23.3	212	1.5	60			6163	
	17.5	258	1.1	80			6783	
	14	302	0.9	100			7306	
	30	179	2.6	30	JMRV090	90S-6	5667	67
	22.5	226	1.8	40			6238	
	18	271	1.4	50			6719	
	15	306	1.1	60			7140	
	15.6	327	1.7	90	PC080+JMRV090	802-4	7054	74
	11.7	405	1.2	120			7764	
	9.3	483	0.9	150			8180	
	7.8	543	0.7	180			8180	
	17.5	274	1.8	80	JMRV105	802-4	8571	68
	14	322	1.4	100			9232	
	15	325	1.9	60	JMRV105	90S-6	9023	68
	11.3	401	1.3	80			9931	
	9	462	1.1	100			10320	
	11.7	430	1.9	120	PC080+JMRV105	802-4	9811	75
	9.3	506	1.6	150			10320	
	7.8	580	1.2	180			10320	
	5.8	700	0.9	240			10320	
	12.2	393	2.8	73.5	PC090+JMRV105	90S-6	9614	75
	9.2	508	2	98			10320	
	7.3	607	1.6	122.5			10320	
	6.1	682	1.3	147			10320	
	4.6	832	0.9	196			10320	
	4.7	871	1.3	300	JMRV050/105	802-4	10320	78
	3.5	1126	0.9	400			10320	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
0.75	17.5	274	1.9	80	JMRV110	802-4	8571	69
	14	322	1.5	100			9232	
	15	325	2.1	60	JMRV110	90S-6	9023	69
	11.3	401	1.4	80			9931	
	9	462	1.1	100			10320	
	11.7	430	2.2	120	PC080+JMRV110	802-4	9811	75
	9.3	506	1.7	150			10320	
	7.8	580	1.3	180			10320	
	5.8	700	0.9	240			10320	
	12.2	393	3.2	73.5	PC090+JMRV110	90S-6	9614	75
	9.2	508	2.3	98			10320	
	7.3	607	1.8	122.5			10320	
	6.1	682	1.5	147			10320	
	4.6	832	1	196			10320	
	4.7	871	1.5	300	JMRV050/110	802-4	10320	79
	3.5	1126	1.1	400			10320	
	11.3	407	2.1	80	JMRV130	90S-6	12989	70
	9	470	1.7	100			13500	
	5.8	712	1.4	240	PC080+JMRV130	802-4	13500	75
	4.7	813	1.1	300			13500	
1.10	12.2	399	4.4	73.5	PC090+JMRV130	90S-6	12575	75
	9.2	508	3.2	98			13500	
	7.3	607	2.6	122.5			13500	
	6.1	682	2.1	147			13500	
	4.6	832	1.5	196			13500	
	3.7	944	1.2	245			13500	
	2.8	1358	1.1	500	JMRV063/130	802-4	13500	79
	2.3	1631	1	600			13500	
	1.9	2005	0.9	750			13500	
	1.6	2283	0.8	900			13500	
	2.8	1291	1.8	500	JMRV063/150	802-4	18000	79
	2.3	1529	1.7	600			18000	
	1.9	1783	1.3	750			18000	
	1.6	2215	0.9	900			18000	
	1.2	2680	1	1200			18000	
	120	76	2	7.5	JMRV063	90L-6	2734	65
	90	99	1.5	10			3009	
	60	142	1.1	15			3444	
	45	180	0.8	20			3791	
	186.7	50	2.6	7.5	JMRV063	90S-4	2359	65
	140	65	2	10			2597	
1.10	93.3	93	1.5	15			2973	
	70	122	1.1	20			3272	
	56	146	0.9	25			3524	
	46.7	167	1	30			3745	
	90	100	2.3	10	JMRV075	90L-6	3551	66
	60	144	1.6	15			4065	
	45	184	1.3	20			4474	
	36	225	1	25			4820	
	30	256	1	30			5122	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
1.10	93.3	96	2.1	15	JMRV075	90S-4	3509	66
	70	123	1.7	20			3862	
	56	150	1.3	25			4160	
	46.7	171	1.3	30			4421	
	35	216	1	40			4865	
	36	231	1.6	25	JMRV090	90L-6	5333	67
	30	263	1.8	30			5667	
	22.5	331	1.2	40			6238	
	18	397	1	50			6719	
	15	448	0.8	60			7140	
	35	225	1.6	40	JMRV090	90S-4	5383	67
	28	270	1.3	50			5799	
	23.3	311	1	60			6163	
	22.5	345	2	40	JMRV105	90L-6	7882	68
	18	414	1.6	50			8491	
	15	476	1.3	60			9023	
	11.3	588	0.9	80			9931	
	28	281	2.1	50	JMRV105	90S-4	7328	68
	23.3	324	1.7	60			7787	
	17.5	402	1.2	80			8571	
	14	473	1	100			9232	
1.10	12.2	576	1.9	73.5	PC090+JMRV105	90L-6	9614	75
	9.2	746	1.4	98			10320	
	7.3	890	1.1	122.5			10320	
	6.1	1000	0.9	147			10320	
	19	392	2.2	73.5	PC090+JMRV105	90S-4	8298	75
	14.3	508	1.6	98			9133	
	11.4	599	1.3	122.5			9838	
	9.5	686	1	147			10320	
	7.1	828	0.8	196			10320	
	22.5	345	2.3	40	JMRV110	90L-6	7882	69
	18	414	1.8	50			8491	
	15	476	1.4	60			9023	
	11.3	588	1	80			9931	
	28	281	2.3	50	JMRV110	90S-4	7328	69
	23.3	324	1.9	60			7787	
	17.5	402	1.3	80			8571	
	14	473	1	100			9232	
	12.2	576	2.2	73.5	PC090+JMRV110	90L-6	9614	75
	9.2	746	1.6	98			10320	
	7.3	890	1.2	122.5			10320	
	6.1	1000	1	147			10320	
1.10	19	392	2.5	73.5	PC090+JMRV110	90S-4	8298	75
	14.3	508	1.8	98			9133	
	11.4	599	1.5	122.5			9838	
	9.5	686	1.1	147			10320	
	7.1	828	0.8	196			10320	
	11.3	598	1.4	80	JMRV130	90L-6	12989	70
	9	689	1.1	100			13500	
	17.5	408	2.1	80	JMRV130	90S-4	11210	70
	14	480	1.5	100			12076	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
1.10	12.2	585	3	73.5	PC090+JMRV130	90L-6	12575	75
	9.2	746	2.2	98			13500	
	7.3	890	1.7	122.5			13500	
	6.1	1000	1.4	147			13500	
	4.6	1220	1	196			13500	
	19	398	3.5	73.5	PC090+JMRV130	90S-4	10853	75
	14.3	508	2.6	98			11945	
	11.4	608	2	122.5			12868	
	9.5	686	1.6	147			13500	
	7.1	843	1.2	196			13500	
	5.7	962	0.9	245			13500	
	4.7	1312	1.3	300	JMRV063/130	90S-4	13500	79
	3.5	1671	1	400			13500	
	2.8	1991	0.8	500			13500	
	9.3	753	3.1	150	JMRV063/150	90S-4	18000	79
	7	966	2.4	200			18000	
	5.6	1175	1.7	250			18000	
	4.7	1364	1.7	300			18000	
	3.5	1619	1.6	400			18000	
	2.8	1893	1.2	500			18000	
	2.3	2242	1.2	600			18000	
	1.9	2616	0.9	750			18000	
1.50	186.7	68	1.9	7.5	JMRV063	90L-4	2359	65
	140	89	1.5	10			2597	
	93.3	127	1.1	15			2973	
	70	166	0.8	20			3272	
	120	105	2	7.5	JMRV075	100L-6	3227	66
	90	137	1.7	10			3551	
	60	196	1.2	15			4065	
	140	90	2.2	10	JMRV075	90L-4	3065	66
	93.3	130	1.5	15			3509	
	70	168	1.3	20			3862	
	56	205	1	25			4160	
	46.7	233	1	30			4421	
	90	138	2.7	10	JMRV090	100L-6	3929	67
	60	201	2.1	15			4498	
	45	258	1.5	20			4951	
	36	314	1.2	25			5333	
	30	358	1.3	30			5667	
	70	172	2.1	20	JMRV090	90L-4	4273	67
	56	210	1.6	25			4603	
	46.7	239	1.7	30			4891	
	35	307	1.2	40			5383	
	28	368	0.9	50			5799	
	23.3	424	0.8	60			6163	
	45	264	2.4	20	JMRV105	100L-6	6256	68
	36	322	2	25			6739	
	30	363	2	30			7161	
	22.5	471	1.5	40			7882	
	18	565	1.2	50			8491	
	15	649	1	60			9023	
	35	319	1.9	40	JMRV105	90L-4	6803	68
	28	384	1.6	50			7328	
	23.3	442	1.3	60			7787	
	17.5	548	0.9	80			8571	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
1.50	19.3	535	1.6	73	PC090+JMRV105	90L-4	8298	
	14.5	693	1.2	96.8			9133	
	11.6	817	1	121			9838	
	9.6	936	0.8	145.2			10320	
	45	264	2.7	20	JMRV110	100L-6	6256	
	36	322	2.4	25			6739	
	30	363	2.3	30			7161	
	22.5	471	1.7	40			7882	
	18	565	1.3	50			8491	
	15	649	1.1	60			9023	
	35	319	2.2	40	JMRV110	90L-4	6803	
	28	384	1.7	50			7328	
	23.3	442	1.4	60			7787	
	17.5	548	0.9	80			8571	
	19	535	1.9	73.5	PC090+JMRV110	90L-4	8298	
	14.3	693	1.3	98			9133	
	11.4	817	1.1	122.5			9838	
	9.5	936	0.8	147			10320	
	22.5	478	2.3	40	JMRV130	100L-6	10309	
	18	573	1.8	50			11105	
	15	659	1.4	60			11801	
	11.3	815	1.1	80			12989	
	17.5	557	1.5	80	JMRV130	90L-4	11210	
	14	655	1.1	100			12076	
	19	542	2.6	73.5	PC090+JMRV130	90L-4	10853	
	14.3	693	1.9	98			11945	
	11.4	830	1.5	122.5			12868	
	9.5	936	1.1	147			13500	
	7.1	1149	0.8	196			13500	
	4.7	1789	1	300	JMRV063/130	90L-4	13500	
	3.5	2279	0.7	400			13500	
	9.3	1026	2.3	150	JMRV063/150	90L-4	18000	
	7	1317	1.8	200			18000	
	5.6	1602	1.3	250			18000	
	4.7	1860	1.3	300			18000	
	3.5	2208	1.2	400			18000	
	2.8	2582	0.9	500			18000	
	2.3	3057	0.9	600			18000	
2.20	186.7	100	1.8	7.5	JMRV075	100L1-4	2785	
	140	132	1.5	10			3065	
	93.3	191	1	15			3509	
	186.7	101	2.9	7.5	JMRV090	100L1-4	3081	
	140	134	2.3	10			3391	
	93.3	194	1.9	15			3882	
	70	252	1.4	20			4273	
	56	308	1.1	25			4603	
	46.7	351	1.2	30			4891	
	120	156	2.2	7.5	JMRV090	112M-6	3570	
	90	203	1.8	10			3929	
	60	294	1.4	15			4498	
	45	378	1	20			4951	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
2.20	70	255	2.2	20	JMRV105	100L1-4	5399	68
	56	315	1.9	25			5816	
	46.7	356	1.8	30			6181	
	35	468	1.3	40			6803	
	28	563	1.1	50			7328	
	23.3	648	0.9	60			7787	
	90	205	3	10	JMRV105	112M-6	4965	68
	60	298	2.2	15			5684	
	45	388	1.6	20			6256	
	36	473	1.4	25			6739	
	30	532	1.4	30			7161	
	70	255	2.5	20	JMRV110	100L1-4	5399	69
	56	315	2.2	25			5816	
	46.7	356	2	30			6181	
	35	468	1.5	40			6803	
	28	563	1.2	50			7328	
	23.3	648	1	60			7787	
	90	205	3.5	10	JMRV110	112M-6	4965	69
	60	298	2.6	15			5684	
	45	388	1.9	20			6256	
	36	473	1.6	25			6739	
	30	532	1.6	30			7161	
	35	468	2.2	40	JMRV130	100L1-4	8897	70
	28	563	1.7	50			9584	
	23.3	648	1.4	60			10185	
	17.5	816	1	80			11210	
	36	479	2.2	25	JMRV130	112M-6	8814	70
	30	546	2.1	30			9366	
	22.5	700	1.6	40			10309	
	18	840	1.2	50			11105	
	15	966	1	60			11801	
	28	570	2.5	50	JMRV150	100L1-4	13103	71
	23.3	657	1.9	60			13924	
	17.5	816	1.4	80			15325	
	14	960	1	100			16508	
3.00	186.7	137	1.4	7.5	JMRV075	100L2-4	2785	66
	140	180	1.1	10			3065	
	93.3	261	0.8	15			3509	
	186.7	138	2.1	7.5	JMRV090	100L2-4	3081	67
	140	182	1.7	10			3391	
	93.3	264	1.4	15			3882	
	70	344	1	20			4273	
	56	420	0.8	25			4603	
	46.7	479	0.9	30			4891	
	93.3	264	2.2	15	JMRV105	100L2-4	4905	68
	70	348	1.6	20			5399	
	56	430	1.4	25			5816	
	46.7	485	1.3	30			6181	
	35	638	1	40			6803	
	28	767	0.8	50			7328	
	120	212	2.7	7.5	JMRV105	132S-6	4511	68
	90	280	2.2	10			4965	
	60	406	1.6	15			5684	
	45	528	1.2	20			6256	
	120	212	3.1	7.5	JMRV110	132S-6	4511	69
	90	280	2.5	10			4965	
	60	406	1.9	15			5684	
	45	528	1.4	20			6256	
	56	430	2.2	25	JMRV130	100L2-4	7607	70
	46.7	491	2.1	30			8084	
	35	638	1.6	40			8897	
	28	767	1.3	50			9584	
	23.3	884	1	60			10185	
	17.5	1113	0.8	80			11210	
	90	280	3.4	10	JMRV130	132S-6	6494	70
	60	406	2.6	15			7434	
	45	535	1.9	20			8182	
	36	653	1.6	25			8814	
	30	745	1.6	30			9366	
	22.5	955	1.2	40			10309	
	28	778	1.8	50	JMRV150	100L2-4	13103	71
	23.3	896	1.4	60			13924	
	17.5	1113	1	80			15325	
	14	1310	0.8	100			16508	
4.00	186.7	182	1	7.5	JMRV075	112M-4	2785	66
	140	240	0.8	10			3065	
	186.7	184	1.6	7.5	JMRV090	112M-4	3081	67
	140	243	1.3	10			3391	
	93.3	352	1	15			3882	
	70	458	0.8	20			4273	
	140	243	2.1	10	JMRV105	112M-4	4285	68
	93.3	352	1.6	15			4905	
	70	464	1.2	20			5399	
	56	573	1	25			5816	
	46.7	647	1	30			6181	
	120	283	2	7.5	JMRV105	132M1-6	4511	68
	90	374	1.7	10			4965	
	60	541	1.2	15			5684	
	140	243	2.5	10	JMRV110	112M-4	4285	69
	93.3	352	1.9	15			4905	
	70	464	1.4	20			5399	
	56	573	1.2	25			5816	
	46.7	647	1.1	30			6181	
	120	283	2.3	7.5	JMRV110	132M1-6	4511	69
	90	374	1.9	10			4965	
	60	541	1.4	15			5684	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
3.00	93.3	264	2.5	15	JMRV110	100L2-4	4905	69
	70	348	1.9	20			5399	
	56	430	1.6	25			5816	
	46.7	485	1.5	30			6181	
	35	638	1.1	40			6803	
	28	767	0.9	50			7328	
	120	212	3.1	7.5	JMRV110	132S-6	4511	69
	90	280	2.5	10			4965	
	60	406	1.9	15			5684	
	45	528	1.4	20			6256	
	56	430	2.2	25	JMRV130	100L2-4	7607	70
	46.7	491	2.1	30			8084	
	35	638	1.6	40			8897	
	28	767	1.3	50			9584	
	23.3	884	1	60			10185	
	17.5	1113	0.8	80			11210	
	90	280	3.4	10	JMRV130	132S-6	6494	70
	60	406	2.6	15			7434	
	45	535	1.9	20			8182	
	36	653	1.6	25			8814	
	30	745	1.6	30			9366	
	22.5	955	1.2	40			10309	
	28	778	1.8	50	JMRV150	100L2-4	13103	71
	23.3	896	1.4	60			13924	
	17.5	1113	1	80			15325	
	14	1310	0.8	100			16508	
4.00	186.7	182	1	7.5	JMRV075	112M-4	2785	66
	140	240	0.8	10			3065	
	186.7	184	1.6	7.5	JMRV090	112M-4	3081	67
	140	243	1.3	10			3391	
	93.3	352	1	15			3882	
	70	458	0.8	20			4273	
	140	243	2.1	10	JMRV105	112M-4	4285	68
	93.3	352	1.6	15			4905	
	70	464	1.2	20			5399	
	56	573	1	25			5816	
	46.7	647	1	30			6181	
	120	283	2	7.5	JMRV105	132M1-6	4511	68
	90	374	1.7	10			4965	
	60	541	1.2	15			5684	
	140	243	2.5	10	JMRV110	112M-4	4285	69
	93.3	352	1.9	15			4905	
	70	464	1.4	20			5399	
	56	573	1.2	25			5816	
	46.7	647	1.1	30			6181	
	120	283	2.3	7.5	JMRV110	132M1-6	4511	69
	90	374	1.9	10			4965	
	60	541	1.4	15			5684	

P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
4.00	56	573	1.6	25	JMRV130	112M-4	7607	70
	46.7	655	1.6	30			8084	
	35	851	1.2	40			8897	
	28	1023	1	50			9584	
	23.3	1179	0.8	60			10185	
	120	287	3.1	7.5	JMRV130	132M1-6	5901	70
	90	374	2.6	10			6494	
	60	541	2	15			7434	
	45	713	1.5	20			8182	
	36	870	1.2	25			8814	
	28	1037	1.4	50	JMRV150	112M-4	13103	71
	23.3	1195	1.1	60			13924	
	17.5	1484	0.8	80			15325	
5.50	186.7	253	1.9	7.5	JMRV105	132S-4	3893	68
	140	334	1.6	10			4285	
	93.3	484	1.2	15			4905	
	70	638	0.9	20			5399	
	186.7	253	2.2	7.5	JMRV110	132S-4	3893	69
	140	334	1.8	10			4285	
	93.3	484	1.4	15			4905	
	70	638	1	20			5399	
	140	334	2.5	10	JMRV130	132S-4	5605	70
	93.3	490	1.9	15			6416	
	70	645	1.4	20			7062	
	56	788	1.2	25			7607	
	46.7	900	1.2	30			8084	
	35	1171	0.9	40			8897	
	70	645	2	20	JMRV150	132S-4	9654	71
	56	788	1.5	25			10400	
	46.7	934	1.3	30			11051	
	35	1171	1.3	40			12163	
	28	1426	1	50			13103	
	23.3	1643	0.8	60			13924	
7.50	186.7	345	1.4	7.5	JMRV105	132M-4	3893	68
	140	455	1.1	10			4285	
	93.3	660	0.9	15			4905	
	186.7	345	1.6	7.5	JMRV110	132M-4	3893	69
	140	455	1.3	10			4285	
	93.3	660	1	15			4905	
	186.7	349	2.1	7.5	JMRV130	132M-4	5092	70
	140	455	1.8	10			5605	
	93.3	668	1.4	15			6416	
	70	880	1	20			7062	
	56	1074	0.9	25			7607	
	46.7	1228	0.8	30			8084	
	35	1596	0.7	40			8897	
	70	880	1.5	20	JMRV150	132M-4	9654	71
	56	1074	1.1	25			10400	
	46.7	1274	0.9	30			11051	
	35	1596	1	40			12163	



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f.s.	i	减速器型号 Type		Fr ₂ (N)	
11.00	186.7	512	2.3	7.5	JMRV150	160M-4	6962	71
	140	675	1.8	10			7663	
	93.3	990	1.3	15			8771	
	70	1291	1	20			9654	
	56	1576	0.8	25			10400	
15.00	186.7	698	1.7	7.5	JMRV150	160L-4	6962	71
	140	921	1.3	10			7663	
	93.3	1351	0.9	15			8771	
	70	1760	0.7	20			9654	



9.2 JRV 性能参数

9.2 JRV Performance

n ₁ =1400							
M ₂ (Nm)	i	P ₁ (kW)	n ₂ (min ⁻¹)	减速器型号 Type	Fr ₂ (N)	Fr ₁ (N)	
18	5	0.61	280.0	JRV030	597	150	81
18	7.5	0.41	186.7		683	150	
18	10	0.32	140.0		752	169	
18	15	0.23	93.3		861	169	
18	20	0.18	70.0		948	190	
21	25	0.18	56.0		1021	210	
20	30	0.15	46.7		1085	210	
18	40	0.11	35.0		1194	210	
17	50	0.09	28.0		1286	210	
16	60	0.08	23.3		1367	210	
13	80	0.05	17.5		1504	210	
34	5	1.1	280.0	JRV040	1149	250	81
40	7.5	0.90	186.7		1315	294	
40	10	0.69	140.0		1447	331	
40	15	0.48	93.3		1657	331	
39	20	0.37	70.0		1824	350	
38	25	0.30	56.0		1964	350	
45	30	0.31	46.7		2087	350	
41	40	0.23	35.0		2298	350	
39	50	0.18	28.0		2475	350	
36	60	0.15	23.3		2630	350	
33	80	0.12	17.5		2895	350	
29	100	0.09	14.0		3118	350	
62	5	2.0	280.0	JRV050	1577	350	81
71	7.5	1.6	186.7		1805	401	
72	10	1.2	140.0		1987	490	
74	15	0.88	93.3		2274	490	
73	20	0.68	70.0		2503	490	
70	25	0.54	56.0		2696	490	
84	30	0.57	46.7		2865	490	
76	40	0.42	35.0		3153	490	
73	50	0.34	28.0		3397	490	
68	60	0.28	23.3		3610	490	
65	80	0.22	17.5		3973	490	
55	100	0.16	14.0		4280	490	
128	7.5	2.8	186.7	JRV063	2359	500	81
130	10	2.2	140.0		2597	571	
140	15	1.6	93.3		2973	615	
135	20	1.2	70.0		3272	667	
130	25	1.0	56.0		3524	700	
160	30	1.1	46.7		3745	700	
145	40	0.76	35.0		4122	700	
135	50	0.60	28.0		4440	700	
130	60	0.51	23.3		4719	700	
122	80	0.39	17.5		5193	700	
118	100	0.34	14.0		5595	700	
185	7.5	4.1	186.7	JRV075	2785	700	81
195	10	3.2	140.0		3065	830	
200	15	2.3	93.3		3509	851	
210	20	1.9	70.0		3862	980	
200	25	1.5	56.0		4160	980	
230	30	1.5	46.7		4421	980	
220	40	1.1	35.0		4865	980	
210	50	0.89	28.0		5241	980	
200	60	0.75	23.3		5569	980	
190	80	0.58	17.5		6130	980	
180	100	0.48	14.0		6603	980	



n₁=1400

M ₂ (Nm)	i	P ₁ (kW)	n ₂ (min ⁻¹)	减速器型号 Type	Fr ₂ (N)	Fr ₁ (N)	
290	7.5	6.3	186.7	JRV090	3081	900	81
310	10	5.1	140.0		3391	1082	
360	15	4.1	93.3		3882	1257	
355	20	3.1	70.0		4273	1270	
340	25	2.4	56.0		4603	1270	
410	30	2.6	46.7		4891	1270	
360	40	1.8	35.0		5383	1270	
340	50	1.4	28.0		5799	1270	
320	60	1.1	23.3		6163	1270	
285	80	0.83	17.5		6783	1270	
270	100	0.67	14.0		7306	1270	
480	7.5	10.4	186.7	JRV105	3893	1200	81
520	10	8.6	140.0		4285	1463	
570	15	6.5	93.3		4905	1603	
560	20	4.8	70.0		5399	1700	
590	25	4.1	56.0		5816	1700	
630	30	3.9	46.7		6181	1700	
610	40	2.9	35.0		6803	1700	
600	50	2.3	28.0		7328	1700	
560	60	1.9	23.3		7787	1700	
490	80	1.3	17.5		8571	1700	
460	100	1.1	14.0		9232	1700	
552	7.5	12.0	186.7	JRV110	3893	1200	81
598	10	9.8	140.0		4285	1463	
656	15	7.5	93.3		4905	1604	
644	20	5.6	70.0		5399	1700	
679	25	4.7	56.0		5816	1700	
725	30	4.5	46.7		6181	1700	
702	40	3.3	35.0		6803	1700	
660	50	2.6	28.0		7328	1700	
616	60	2.1	23.3		7787	1700	
515	80	1.4	17.5		8571	1700	
483	100	1.1	14.0		9232	1700	
750	7.5	16.1	186.7	JRV130	5092	1500	81
820	10	13.5	140.0		5605	1845	
920	15	10.3	93.3		6416	2070	
910	20	7.8	70.0		7062	2100	
930	25	6.5	56.0		7607	2100	
1040	30	6.4	46.7		8084	2100	
1050	40	4.9	35.0		8897	2100	
980	50	3.8	28.0		9584	2100	
900	60	3.1	23.3		10185	2100	
840	80	2.3	17.5		11210	2100	
740	100	1.7	14.0		12076	2100	
1200	7.5	25.8	186.7	JRV150	6962	1950	81
1240	10	20.2	140.0		7663	2267	
1250	15	13.9	93.3		8771	2285	
1300	20	11.1	70.0		9654	2674	
1200	25	8.4	56.0		10400	2800	
1200	30	7.1	46.7		11051	2800	
1550	40	7.3	35.0		12163	2800	
1400	50	5.4	28.0		13103	2800	
1260	60	4.2	23.3		13924	2800	
1150	80	3.1	17.5		15325	2800	
1000	100	2.3	14.0		16508	2800	



n₁=900

M ₂ (Nm)	i	P ₁ (kW)	n ₂ (min ⁻¹)	减速器型号 Type	Fr ₂ (N)	Fr ₁ (N)	
20	5	0.44	180.0	JRV030	692	175	81
20	7.5	0.30	120.0		792	175	
20	10	0.24	90.0		871	197	
20	15	0.17	60.0		997	197	
20	20	0.13	45.0		1098	210	
23	25	0.14	36.0		1183	210	
21	30	0.11	30.0		1257	210	
20	40	0.09	22.5		1383	210	
18	50	0.07	18.0		1490	210	
17	60	0.06	15.0		1583	210	
15	80	0.04	11.3		1743	210	
40	5	0.87	180.0	JRV040	1331	290	81
44	7.5	0.65	120.0		1524	319	
44	10	0.50	90.0		1677	350	
45	15	0.36	60.0		1920	350	
44	20	0.28	45.0		2113	350	
43	25	0.23	36.0		2276	350	
49	30	0.23	30.0		2419	350	
45	40	0.17	22.5		2662	350	
42	50	0.14	18.0		2868	350	
39	60	0.11	15.0		3047	350	
35	80	0.09	11.3		3354	350	
32	100	0.07	9.0		3490	350	
75	5	1.6	180.0	JRV050	1827	400	81
84	7.5	1.2	120.0		2091	448	
84	10	0.94	90.0		2302	490	
84	15	0.67	60.0		2635	490	
77	20	0.48	45.0		2900	490	
75	25	0.39	36.0		3124	490	
90	30	0.42	30.0		3320	490	
82	40	0.31	22.5		3654	490	
77	50	0.25	18.0		3936	490	
72	60	0.21	15.0		4183	490	
68	80	0.16	11.3		4604	490	
56	100	0.12	9.0		4840	490	
151	7.5	2.2	120.0	JRV063	2734	580	81
153	10	1.7	90.0		3009	661	
155	15	1.2	60.0		3444	670	
148	20	0.91	45.0		3791	700	
137	25	0.69	36.0		4084	700	
175	30	0.79	30.0		4339	700	
160	40	0.58	22.5		4776	700	
145	50	0.45	18.0		5145	700	
138	60	0.37	15.0		5467	700	
128	80	0.29	11.3		6018	700	
124	100	0.25	9.0		6270	700	
215	7.5	3.1	120.0	JRV075	3227	810	81
230	10	2.5	90.0		3551	975	
235	15	1.8	60.0		4065	980	
235	20	1.4	45.0		4474	980	
215	25	1.1	36.0		4820	980	
260	30	1.1	30.0		5122	980	
240	40	0.83	22.5		5637	980	
220	50	0.65	18.0		6073	980	
210	60	0.54	15.0		6453	980	
200	80	0.43	11.3		7103	980	
190	100	0.36	9.0		7380	980	



n₁=900

M ₂ (Nm)	i	P ₁ (kW)	n ₂ (min ⁻¹)	减速器型号 Type	Fr ₂ (N)	Fr ₁ (N)	
340	7.5	4.8	120.0	JRV090	3570	1040	81
370	10	4.0	90.0		3929	1270	
420	15	3.1	60.0		4498	1270	
390	20	2.3	45.0		4951	1270	
370	25	1.8	36.0		5333	1270	
460	30	1.9	30.0		5667	1270	
410	40	1.4	22.5		6238	1270	
390	50	1.1	18.0		6719	1270	
350	60	0.86	15.0		7140	1270	
315	80	0.63	11.3		7859	1270	
280	100	0.49	9.0		8180	1270	
565	7.5	8.0	120.0	JRV105	4511	1390	81
620	10	6.6	90.0		4965	1700	
660	15	4.9	60.0		5684	1700	
630	20	3.6	45.0		6256	1700	
660	25	3.1	36.0		6739	1700	
730	30	3.0	30.0		7161	1700	
690	40	2.2	22.5		7882	1700	
680	50	1.8	18.0		8491	1700	
620	60	1.4	15.0		9023	1700	
540	80	1.0	11.3		9931	1700	
490	100	0.80	9.0		10320	1700	
650	7.5	9.2	120.0	JRV110	4511	1390	81
713	10	7.6	90.0		4965	1700	
759	15	5.6	60.0		5684	1700	
725	20	4.1	45.0		6256	1700	
759	25	3.5	36.0		6739	1700	
840	30	3.5	30.0		7161	1700	
794	40	2.5	22.5		7882	1700	
748	50	2.0	18.0		8491	1700	
682	60	1.6	15.0		9023	1700	
567	80	1.1	11.3		9931	1700	
515	100	0.84	9.0		10320	1700	
880	7.5	12.3	120.0	JRV130	5901	1740	81
960	10	10.3	90.0		6494	2100	
1060	15	7.8	60.0		7434	2100	
1040	20	5.8	45.0		8182	2100	
1050	25	4.8	36.0		8814	2100	
1170	30	4.7	30.0		9366	2100	
1100	40	3.5	22.5		10309	2100	
1050	50	2.7	18.0		11105	2100	
940	60	2.1	15.0		11801	2100	
860	80	1.6	11.3		12989	2100	
780	100	1.2	9.0		13500	2100	
1400	7.5	19.5	120.0	JRV150	8067	2270	81
1480	10	15.7	90.0		8878	2700	
1450	15	10.5	60.0		10163	2645	
1500	20	8.4	45.0		11186	2800	
1380	25	6.3	36.0		12050	2800	
1400	30	5.4	30.0		12805	2800	
1800	40	5.7	22.5		14094	2800	
1600	50	4.1	18.0		15182	2800	
1440	60	3.2	15.0		16133	2800	
1300	80	2.4	11.3		17757	2800	
1150	100	1.8	9.0		18000	2800	



n₁=500

M ₂ (Nm)	i	P ₁ (kW)	n ₂ (min ⁻¹)	减速器型号 Type	Fr ₂ (N)	Fr ₁ (N)	
24	5	0.30	100.0	JRV030	841	210	81
24	7.5	0.21	66.7		963	210	
24	10	0.16	50.0		1060	210	
24	15	0.12	33.3		1213	210	
23	20	0.09	25.0		1336	210	
29	25	0.10	20.0		1439	210	
26	30	0.08	16.7		1529	210	
23	40	0.06	12.5		1683	210	
21	50	0.05	10.0		1813	210	
19	60	0.04	8.3		1830	210	
17	80	0.03	6.3		1830	210	
49	5	0.60	100.0	JRV040	1619	350	81
54	7.5	0.45	66.7		1853	350	
54	10	0.35	50.0		2040	350	
55	15	0.26	33.3		2335	350	
52	20	0.19	25.0		2570	350	
49	25	0.15	20.0		2769	350	
58	30	0.16	16.7		2942	350	
53	40	0.12	12.5		3238	350	
49	50	0.10	10.0		3488	350	
46	60	0.08	8.3		3490	350	
40	80	0.06	6.3		3490	350	
36	100	0.05	5.0		3490	350	
92	5	1.1	100.0	JRV050	2222	490	81
103	7.5	0.86	66.7		2544	490	
103	10	0.67	50.0		2800	490	
103	15	0.47	33.3		3205	490	
93	20	0.33	25.0		3528	490	
91	25	0.28	20.0		3800	490	
108	30	0.29	16.7		4038	490	
98	40	0.22	12.5		4445	490	
91	50	0.17	10.0		4788	490	
83	60	0.14	8.3		4840	490	
75	80	0.11	6.3		4840	490	
65	100	0.09	5.0		4840	490	
184	7.5	1.5	66.7	JRV063	3325	700	81
185	10	1.2	50.0		3660	700	
187	15	0.85	33.3		4190	700	
178	20	0.63	25.0		4611	700	
164	25	0.48	20.0		4967	700	
200	30	0.54	16.7		5279	700	
185	40	0.40	12.5		5810	700	
173	50	0.32	10.0		6259	700	
160	60	0.26	8.3		6270	700	
137	80	0.19	6.3		6270	700	
128	100	0.16	5.0		6270	700	
260	7.5	2.1	66.7	JRV075	3925	980	81
270	10	1.7	50.0		4320	980	
280	15	1.2	33.3		4945	980	
285	20	0.98	25.0		5443	980	
255	25	0.73	20.0		5863	980	
300	30	0.77	16.7		6231	980	
280	40	0.58	12.5		6858	980	
250	50	0.44	10.0		7380	980	
240	60	0.37	8.3		7380	980	
215	80	0.29	6.3		7380	980	
210	100	0.24	5.0		7380	980	



n₁=500

M ₂ (Nm)	i	P ₁ (kW)	n ₂ (min ⁻¹)	减速器型号 Type	Fr ₂ (N)	Fr ₁ (N)	
410	7.5	3.3	66.7	JRV090	4343	1270	81
435	10	2.7	50.0		4780	1270	
490	15	2.1	33.3		5472	1270	
470	20	1.6	25.0		6022	1270	
440	25	1.2	20.0		6487	1270	
550	30	1.4	16.7		6894	1270	
480	40	0.95	12.5		7588	1270	
450	50	0.75	10.0		8174	1270	
400	60	0.59	8.3		8180	1270	
365	80	0.45	6.3		8180	1270	
330	100	0.35	5.0		8180	1270	
690	7.5	5.5	66.7	JRV105	5488	1700	81
740	10	4.6	50.0		6040	1700	
790	15	3.4	33.3		6914	1700	
750	20	2.5	25.0		7610	1700	
790	25	2.1	20.0		8198	1700	
870	30	2.1	16.7		8711	1700	
810	40	1.5	12.5		9588	1700	
800	50	1.3	10.0		10320	1700	
710	60	0.98	8.3		10320	1700	
630	80	0.72	6.3		10320	1700	
570	100	0.56	5.0		10320	1700	
794	7.5	6.4	66.7	JRV110	5488	1700	81
851	10	5.2	50.0		6040	1700	
909	15	3.9	33.3		6914	1700	
863	20	2.8	25.0		7610	1700	
909	25	2.4	20.0		8198	1700	
1000	30	2.4	16.7		8711	1700	
932	40	1.7	12.5		9588	1700	
880	50	1.4	10.0		10320	1700	
781	60	1.1	8.3		10320	1700	
662	80	0.76	6.3		10320	1700	
599	100	0.59	5.0		10320	1700	
1080	7.5	8.6	66.7	JRV130	7178	2100	81
1160	10	7.1	50.0		7900	2100	
1300	15	5.5	33.3		9043	2100	
1230	20	4.0	25.0		9953	2100	
1200	25	3.2	20.0		10722	2100	
1400	30	3.3	16.7		11394	2100	
1300	40	2.4	12.5		12540	2100	
1220	50	1.9	10.0		13500	2100	
1070	60	1.5	8.3		13500	2100	
970	80	1.1	6.3		13500	2100	
860	100	0.85	5.0		13500	2100	
1700	7.5	13.5	66.7	JRV150	9812	2800	81
1780	10	10.7	50.0		10800	2800	
1730	15	7.2	33.3		12363	2800	
1820	20	5.9	25.0		13607	2800	
1630	25	4.3	20.0		14658	2800	
1670	30	3.8	16.7		15576	2800	
2120	40	3.9	12.5		17144	2800	
1870	50	2.9	10.0		18000	2800	
1680	60	2.3	8.3		18000	2800	
1530	80	1.7	6.3		18000	2800	
1350	100	1.3	5.0		18000	2800	



9.3 JRV+JMRV 性能参数

9.3 JRV+JMRV Performance

n₁=1400

M ₂ (Nm)	i	P ₁ (kW)	n ₂ (min ⁻¹)	减速器型号 Type	Fr ₂ (N)	Fr ₁ (N)	
73	300	0.08	4.7	JRV030/040	3490	210	81
65	400	0.06	3.5		3490	210	
61	500	0.04	2.8		3490	210	
73	600	0.04	2.3		3490	210	
73	750	0.04	1.9		3490	210	
73	900	0.03	1.6		3490	210	
65	1200	0.02	1.2		3490	210	
73	1500	0.02	0.9		3490	210	
73	1800	0.02	0.8		3490	210	
65	2400	0.01	0.58		3490	210	
65	3200	0.01	0.4		3490	210	
33	4000	0.01	0.4		3490	210	
29	5000	0.01	0.28		3490	210	
145	300	0.15	4.7	JRV030/050	4840	210	81
124	400	0.10	3.5		4840	210	
120	500	0.09	2.8		4840	210	
145	600	0.08	2.3		4840	210	
145	750	0.07	1.9		4840	210	
145	900	0.06	1.6		4840	210	
124	1200	0.04	1.2		4840	210	
145	1500	0.04	0.93		4840	210	
145	1800	0.04	0.78		4840	210	
124	2400	0.03	0.6		4840	210	
120	3000	0.02	0.5		4840	210	
82	4000	0.02	0.35		4840	210	
82	4800	0.02	0.29		4840	210	
230	300	0.24	4.7	JRV030/063	6270	210	81
230	400	0.19	3.5		6270	210	
216	500	0.15	2.8		6270	210	
230	600	0.13	2.3		6270	210	
216	750	0.11	1.9		6270	210	
198	900	0.09	1.6		6270	210	
230	1200	0.08	1.2		6270	210	
216	1500	0.06	0.93		6270	210	
198	1800	0.05	0.78		6270	210	
230	2400	0.05	0.58		6270	210	
216	3000	0.04	0.47		6270	210	
172	4000	0.03	0.35		6270	210	
150	5000	0.02	0.28		6270	210	
390	300	0.36	4.7	JRV040/075	7380	350	81
360	400	0.27	3.5		7380	350	
320	500	0.21	2.8		7380	350	
390	600	0.19	2.3		7380	350	
390	750	0.16	1.9		7380	350	
390	900	0.14	1.6		7380	350	
360	1200	0.11	1.2		7380	350	
390	1500	0.10	0.93		7380	350	
390	1800	0.09	0.78		7380	350	
360	2400	0.07	0.58		7380	350	
320	3000	0.05	0.47		7380	350	
250	4000	0.04	0.35		7380	350	
230	5000	0.03	0.28		7380	350	
610	300	0.56	4.7	JRV040/090	8180	350	81
610	400	0.43	3.5		8180	350	
560	500	0.34	2.8		8180	350	
610	600	0.30	2.3		8180	350	
560	750	0.23	1.9		8180	350	
505	900	0.19	1.6		8180	350	
610	1200	0.17	1.2		8180	350	
560	1500	0.14	0.93		8180	350	



n₁=1400

M ₂ (Nm)	i	P ₁ (kW)	n ₂ (min ⁻¹)	减速器型号 Type	Fr ₂ (N)	Fr ₁ (N)	
505	1800	0.11	0.78	JRV040/090	8180	350	81
610	2400	0.11	0.58		8180	350	
560	3000	0.08	0.47		8180	350	
460	4000	0.08	0.35		8180	350	
410	5000	0.06	0.28		8180	350	
1100	300	0.95	4.7	JRV050/105	10320	490	81
1030	400	0.69	3.5		10320	490	
1000	500	0.56	2.8		10320	490	
1030	600	0.48	2.3		10320	490	
1100	750	0.43	1.9		10320	490	
1100	900	0.38	1.6		10320	490	
1030	1200	0.27	1.2		10320	490	
1100	1500	0.26	0.93		10320	490	
1100	1800	0.23	0.78		10320	490	
1030	2400	0.17	0.58		10320	490	
1000	3000	0.14	0.47		10320	490	
780	4000	0.12	0.35		10320	490	
710	5000	0.09	0.28		10320	490	
1265	300	1.1	4.7	JRV050/110	10320	490	81
1185	400	0.79	3.5		10320	490	
1100	500	0.61	2.8		10320	490	
1185	600	0.55	2.3		10320	490	
1265	750	0.49	1.9		10320	490	
1265	900	0.43	1.6		10320	490	
1185	1200	0.31	1.2		10320	490	
1265	1500	0.30	0.93		10320	490	
1265	1800	0.26	0.78		10320	490	
1185	2400	0.19	0.58		10320	490	
1100	3000	0.15	0.47		10320	490	
819	4000	0.13	0.35		10320	490	
746	5000	0.10	0.28		10320	490	
1760	300	1.5	4.7	JRV063/130	13500	700	81
1650	400	1.1	3.5		13500	700	
1550	500	0.86	2.8		13500	700	
1650	600	0.76	2.3		13500	700	
1760	750	0.66	1.9		13500	700	
1760	900	0.58	1.6		13500	700	
1650	1200	0.43	1.2		13500	700	
1760	1500	0.39	0.93		13500	700	
1760	1800	0.35	0.78		13500	700	
1650	2400	0.25	0.58		13500	700	
1550	3000	0.20	0.47		13500	700	
1220	4000	0.15	0.35		13500	700	
1100	5000	0.11	0.28		13500	700	
2340	150	3.4	9.3	JRV063/150	18000	700	81
2340	200	2.7	7.0		18000	700	
2050	250	1.9	5.6		18000	700	
2340	300	1.9	4.7		18000	700	
2670	400	1.8	3.5		18000	700	
2330	500	1.4	2.8		18000	700	
2670	600	1.3	2.3		18000	700	
2330	750	0.98	1.9		18000	700	
2100	900	0.71	1.6		18000	700	
2670	1200	0.75	1.2		18000	700	
2100	1800	0.44	0.8		18000	700	
2670	2400	0.46	0.6		18000	700	
2330	3000	0.34	0.5		18000	700	
1880	4000	0.23	0.4		18000	700	
1650	5000	0.18	0.3		18000	700	



9.4 UDL+JMRV 性能参数

P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	i	减速器型号 Type		
0.18	117~22.5	9~18	12~61.5	UDL002-JMRV040	632-4	80
	88~17	12~23	16~82			
	58.7~11.3	17~32	24~123			
	44~8.5	22~40	32~164			
	35.2~6.8	27~47	40~205			
	29.3~5.7	30~51	48~246			
	22~4.3	37~62	64~328			
	17.6~3.4	43~60	80~410			
	22~4.3	38~63	64~328	UDL002-JMRV050	632-4	80
	17.6~3.4	44~73	80~410			
	14.7~2.8	50~80	96~492			
	11~2.1	59~82	128~656			
	8.8~1.7	66~79	160~820			
0.25	133~26.7	13~30	10.5~52.5	UDL005-JMRV040	711-4	80
	100~20	16~38	14~70			
	66.7~13.3	24~53	21~105			
	50~10	32~68	28~140			
	40~8	38~80	35~175			
	33.3~6.7	43~89	42~210			
	12.5~2.5	48~96	56~280			
	25~5	54~112	56~280	UDL005-JMRV050	711-4	80
	20~4	59~122	70~350			
	16.7~3.3	66~135	84~420			
	12.5~2.5	72~120	112~560			
0.37	133~26.7	19~36	10.5~52.5	UDL005-JMRV050	712-4	80
	100~20	25~47	14~70			
	66.7~13.3	36~65	21~105			
	50~10	46~82	28~140			
	40~8	55~97	35~175			
	33.3~6.7	61~107	42~210			
	25~5	76~124	56~280			
	20~4	89~120	70~350	UDL005-JMRV063	712-4	80
	25~5	79~134	56~280			
	20~4	92~155	70~350			
	16.7~3.3	104~173	84~420			
	12.5~2.5	125~173	112~560			
	10~2	139~150	140~700			
0.55	133~26.7	26~49	10.5~52.5	UDL010-JMRV063	801-4	80
	100~20	34~63	14~70			
	66.7~13.3	48~88	21~105			
	50~10	62~112	28~140			
	40~8	75~133	35~175			
	33.3~6.7	81~146	42~210			
	25~5	105~179	56~280			
	20~4	123~207	70~350	UDL010-JMRV075	801-4	80
	20~4	129~216	70~350			
	16.7~3.3	146~242	84~420			
	12.5~2.5	176~250	112~560	UDL010-JMRV090	801-4	80
	12.5~2.5	189~309	112~560			
	10~2	218~350	140~700			



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	i	减速器型号 Type		
0.75	133~26.7	39~73	10.5~52.5	UDL010-JMRV063	802-4	80
	100~20	51~94	14~70			
	66.7~13.3	72~132	21~105			
	50~10	92~168	28~140			
	40~8	112~199	35~175			
	33.3~6.7	126~219	42~210			
	25~5	156 ~ 232	56~280			
	20~4	185~310	70~350	UDL010-JMRV075	802-4	80
	20~4	192~320	70~350			
	16.7~3.3	219~300	84~420	UDL010-JMRV090	802-4	80
	16.7~3.3	230~389	84~420			
	12.5~2.5	265~428	112~560			
	10~2	303~410	140~700	UDL010-JMRV105	802-4	80
	12.5~2.5	302~503	112~560			
1.1	10~2	348~575	140~700	UDL010-JMRV110	802-4	80
	12.5~2.5	302~503	112~560			
	10~2	348~575	140~700	UD020-JMRV075	90S-4	80
	133~26.7	59~111	10.5~52.5			
	100~20	77~144	14~70			
	66.7~13.3	110~203	21~105			
	50~10	142~258	28~140			
	40~8	172~308	35~175			
	33.3~6.7	195~340	42~210			
	25~5	245~360	56~280	UD020-JMRV090	90S-4	80
	100~20	78~146	14~70			
	66.7~13.3	113~208	21~105			
	50~10	146~266	28~140			
	40~8	177~320	35~175			
	33.3~6.7	202~356	42~210			
	25~5	256~442	56~280	UD020-JMRV105	90S-4	80
	20~4	304~517	70~350			
	20~4	320~550	70~350			
	16.7~3.3	368~625	84~420			
	12.5~2.5	455~754	112~560			
	10~2	522~710	140~700			
	20~4	320~550	70~350	UD020-JMRV110	90S-4	80
	16.7~3.3	368~625	84~420			
	12.5~2.5	455~754	112~560			
	10~2	522~710	140~700	UD020-JMRV130	90S-4	80
	16.7~3.3	373~623	84~420			
	12.5~2.5	460~749	112~560			
	10~2	531~868	140~700			



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	i	减速器型号 Type		
1.5	133~26.7	78~148	10.5~52.5	UD020-JMRV075	90L-4	80
	100~20	102~192	14~70			
	66.7~13.3	147~270	21~105			
	50~10	190~344	28~140			
	40~8	229~330	35~175			
	33.3~6.7	260~390	42~210			
	25~5	327~360	56~280			
	133~26.7	77~150	10.5~52.5	UD020-JMRV090	90L-4	80
	100~20	104~195	14~70			
	66.7~13.3	150~277	21~105			
	50~10	194~355	28~140			
	40~8	236~427	35~175			
	33.3~6.7	270~474	42~210			
	25~5	341~589	56~280			
	20~4	406~560	70~350			
	20~4	426~733	70~350	UD020-JMRV105	90L-4	80
	16.7~3.3	490~833	84~420			
	20~4	426~733	70~350	UD020-JMRV110	90L-4	80
	16.7~3.3	490~833	84~420			
	16.7~3.3	498~831	84~420	UD020-JMRV130	90L-4	80
	12.5~2.5	614~999	112~560			
	10~2	696~1100	140~700			
2.2	133~26.7	120~226	10.5~52.5	UD030-JMRV105	100L1-4	80
	100~20	157~294	14~70			
	66.7~13.3	228~418	21~105			
	50~10	298~549	28~140			
	40~8	364~664	35~175			
	33.3~6.7	413~717	42~210			
	25~5	533~931	56~280			
	133~26.7	120~226	10.5~52.5	UD030-JMRV110	100L1-4	80
	100~20	157~294	14~70			
	66.7~13.3	228~418	21~105			
	50~10	298~549	28~140			
	40~8	364~664	35~175			
	33.3~6.7	413~717	42~210			
	25~5	533~931	56~280			
	25~5	542~932	56~280	UD030-JMRV130	100L1-4	80
	20~4	648~1097	70~350			
	16.7~3.3	746~1246	84~420			
	12.5~2.5	921~1499	112~560			
	10~2	1040~1690	140~700			



P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	i	减速器型号 Type		
3.0	133~26.7	160~302	10.5~52.5	UD030-JMRV105	100L2-4	80
	100~20	210~392	14~70			
	66.7~13.3	304~558	21~105			
	50~10	398~732	28~140			
	40~8	485~885	35~175			
	33.3~6.7	547~956	42~210			
	25~5	711~1030	56~280			
	133~26.7	160~302	10.5~52.5	UD030-JMRV110	100L2-4	80
	100~20	210~392	14~70			
	66.7~13.3	304~558	21~105			
	50~10	398~732	28~140			
	40~8	485~885	35~175			
	33.3~6.7	547~956	42~210			
	25~5	711~1030	56~280			
	133~26.7	160~301	10.5~52.5	UD030-JMRV130	100L2-4	80
	100~20	211~395	14~70			
	66.7~13.3	307~563	21~105			
	50~10	402~733	28~140			
	40~8	490~885	35~175			
	33.3~6.7	562~973	42~210			
	25~5	720~1242	56~280			
	20~4	864~1463	70~350			
4.0	133~26.7	213~402	10.5~52.5	UD050-JMRV105	112M4	80
	100~20	279~523	14~70			
	66.7~13.3	405~744	21~105			
	50~10	530~975	28~140			
	40~8	647~1020	35~175			
	133~26.7	213~402	10.5~52.5	UD050-JMRV110	112M4	80
	100~20	279~523	14~70			
	66.7~13.3	405~744	21~105			
	50~10	530~975	28~140			
	40~8	647~1020	35~175			
	133~26.7	214~401	10.5~52.5	UD050-JMRV130	112M4	80
	100~20	281~527	14~70			
	66.7~13.3	410~751	21~105			
	50~10	536~978	28~140			
	40~8	653~1180	35~175			
	33.3~6.7	749~1298	42~210			
	25~5	960~1650	56~280			



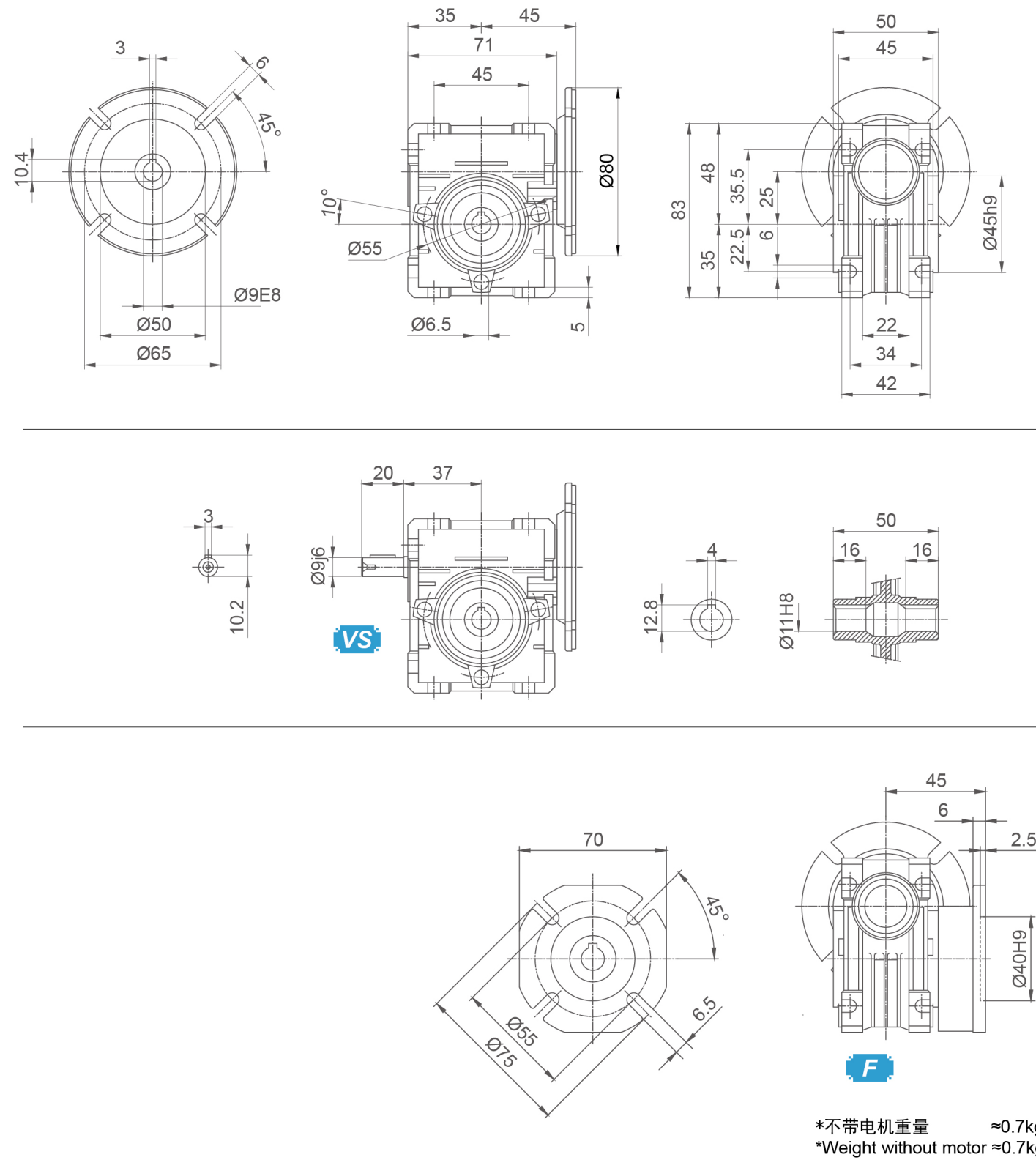
10.0 减速机尺寸图

SPEED REDUCER UNIT DIMENSIONS CHARTS

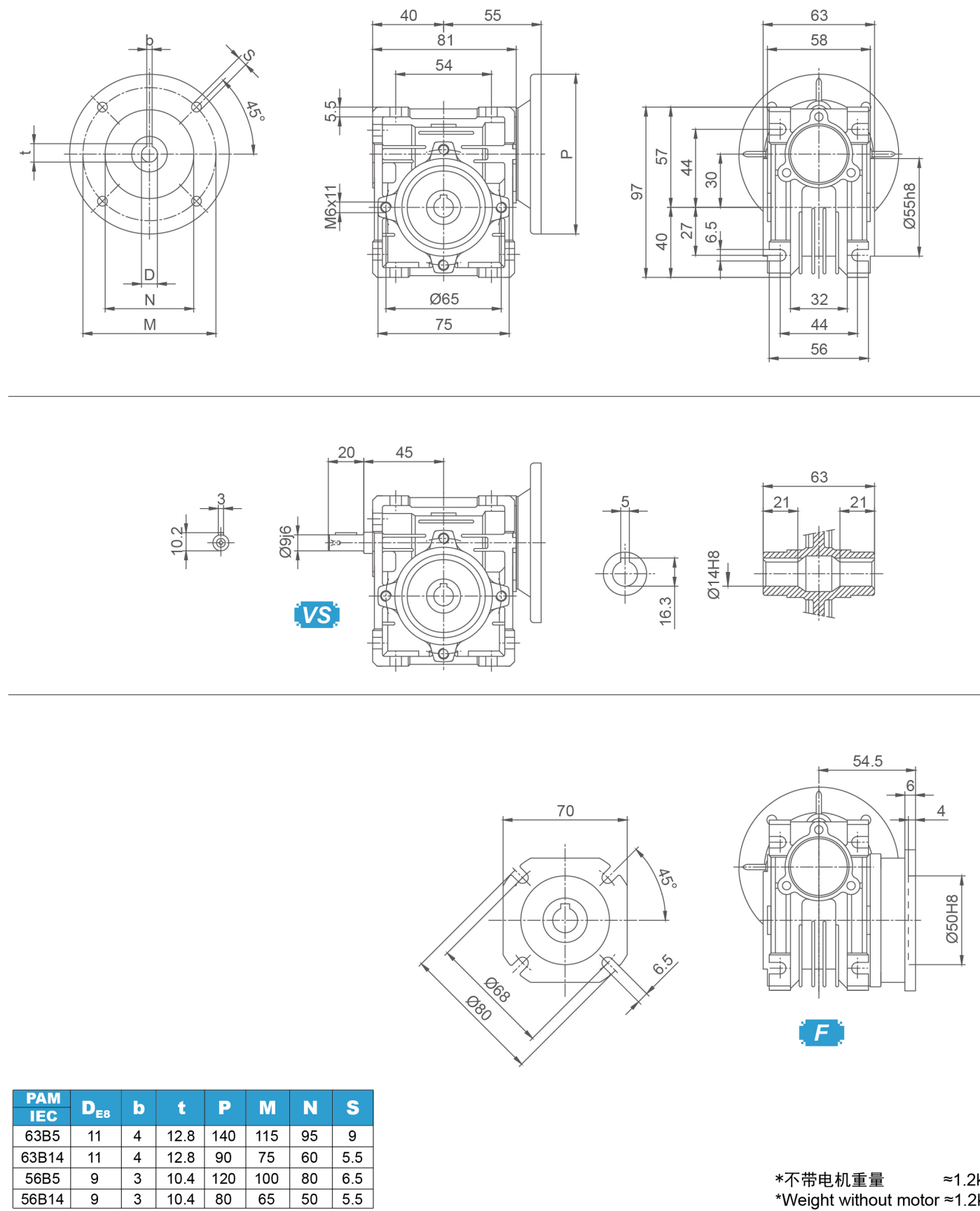
10.1 JMRV 尺寸图

10.1 JMRV Dimensions charts

JMRV025

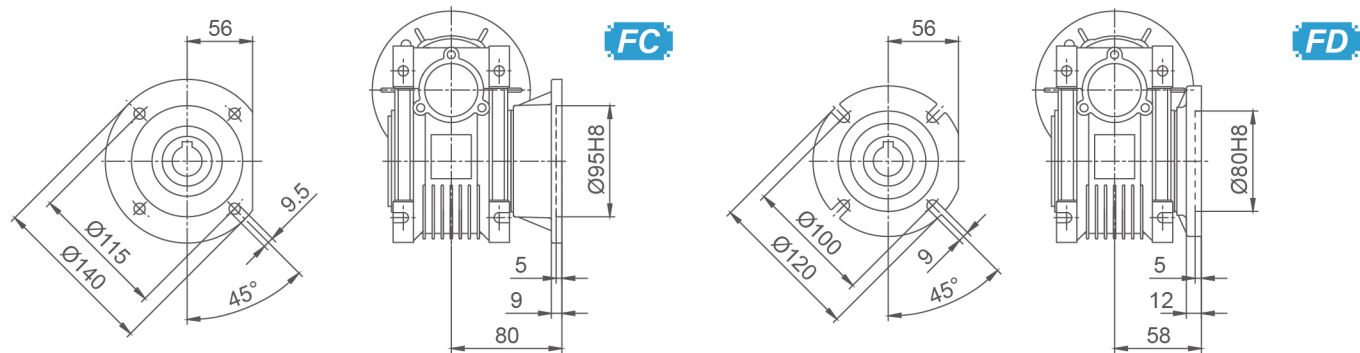
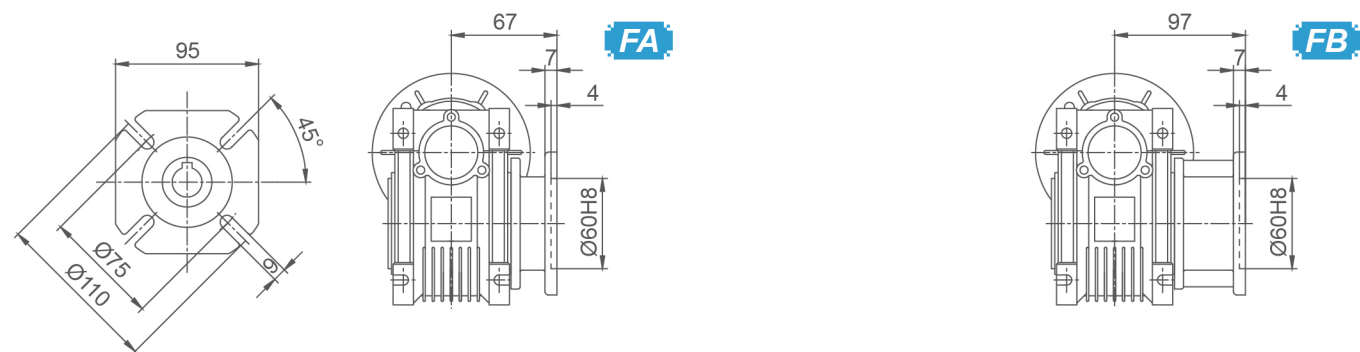
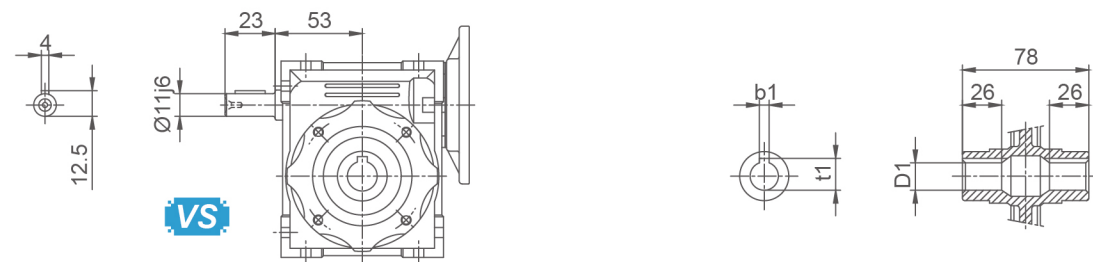
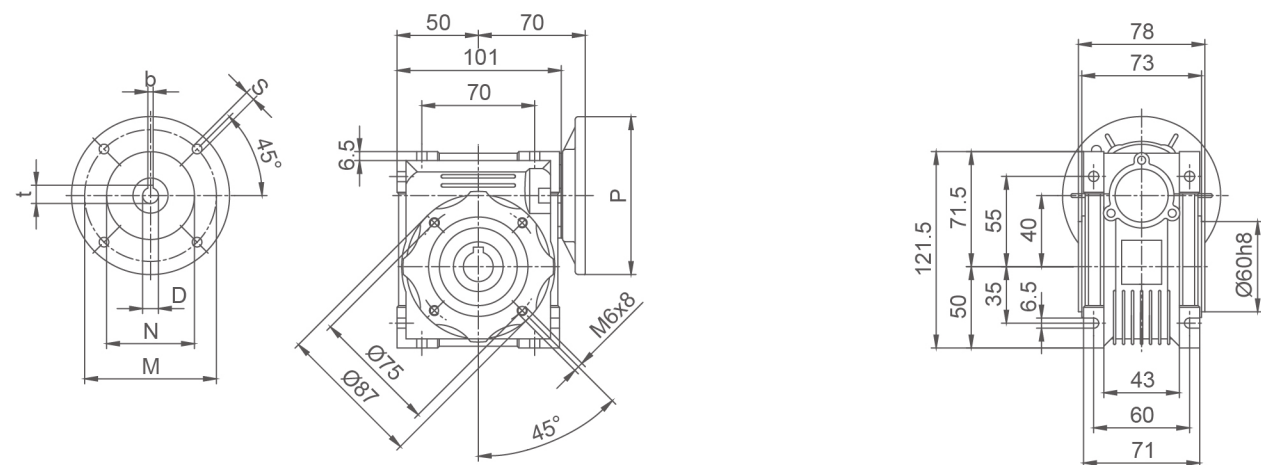


JMRV030



PAM IEC	D _{E8}	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

JMRV040

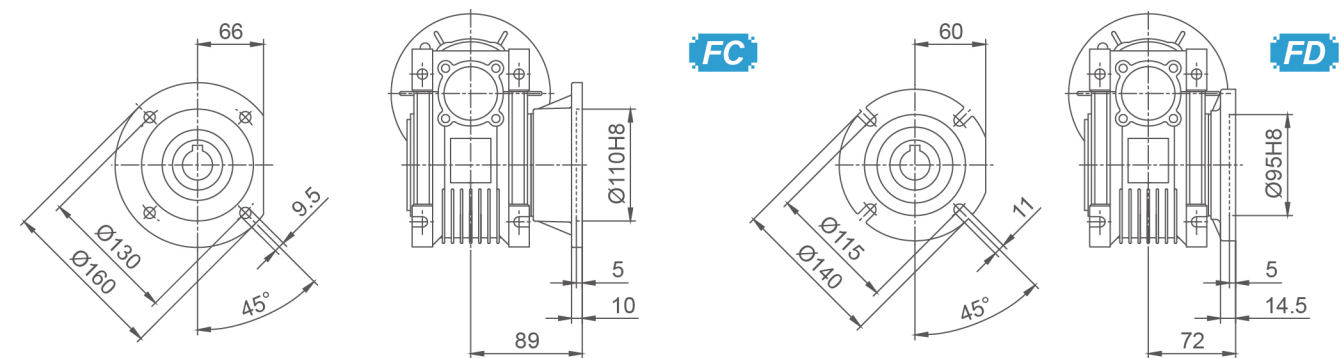
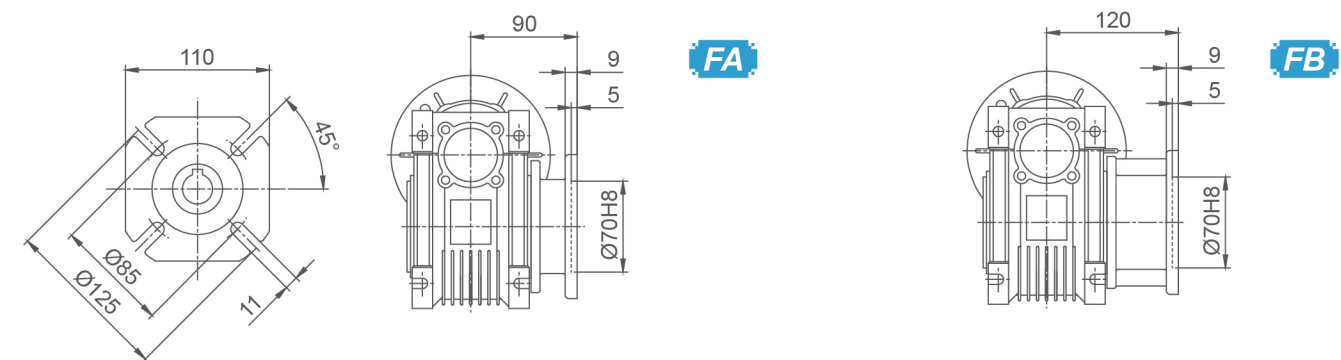
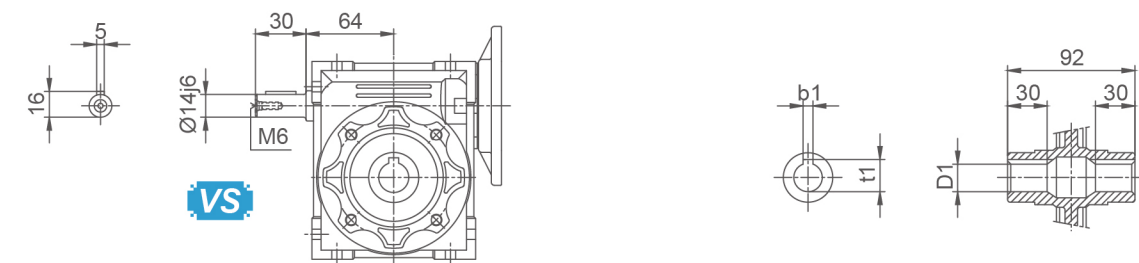
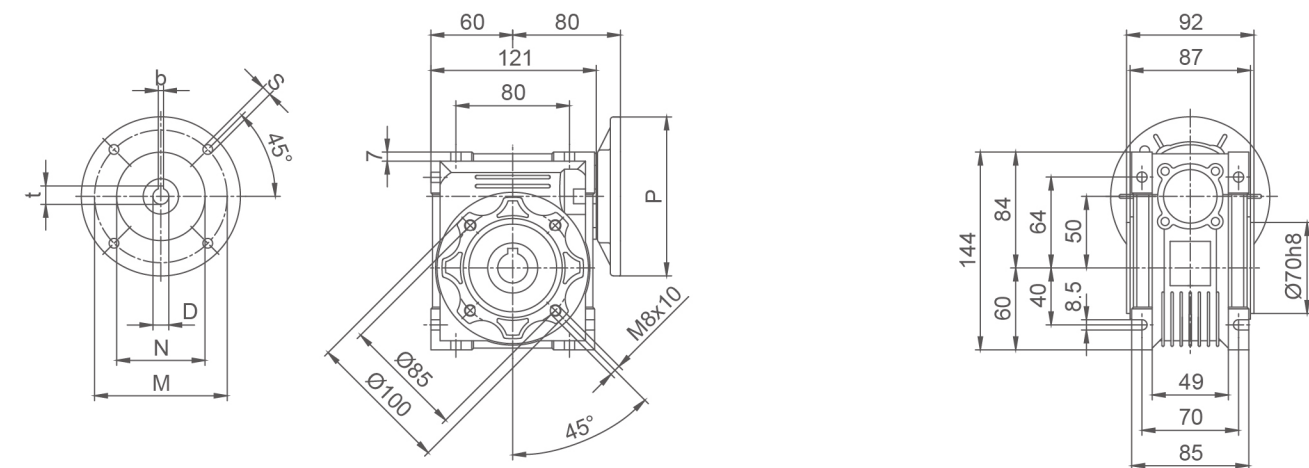


PAM IEC	D _{E8}	b	t	P	M	N	S	D1 _{H8}	b1	t1
71B5	14	5	16.3	160	130	110	8.5	18	6	20.8
71B14	14	5	16.3	105	85	70	6.5	(19)	(6)	(21.8)
63B5	11	4	12.8	140	115	95	9	(..) 根据用户要求定制		
63B14	11	4	12.8	90	75	60	6	(..) Only on request		
56B5	9	3	10.4	120	100	80	6.5			

*不带电机重量 ≈2.3kg
*Weight without motor ≈2.3kg



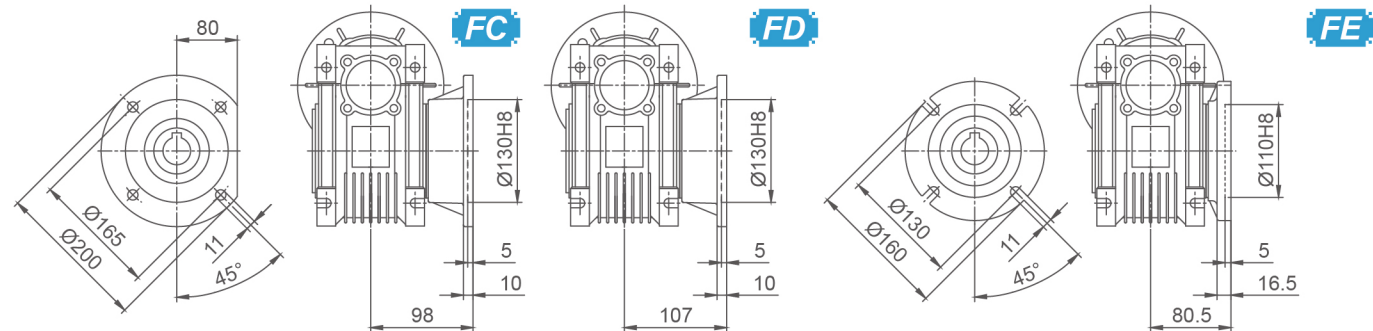
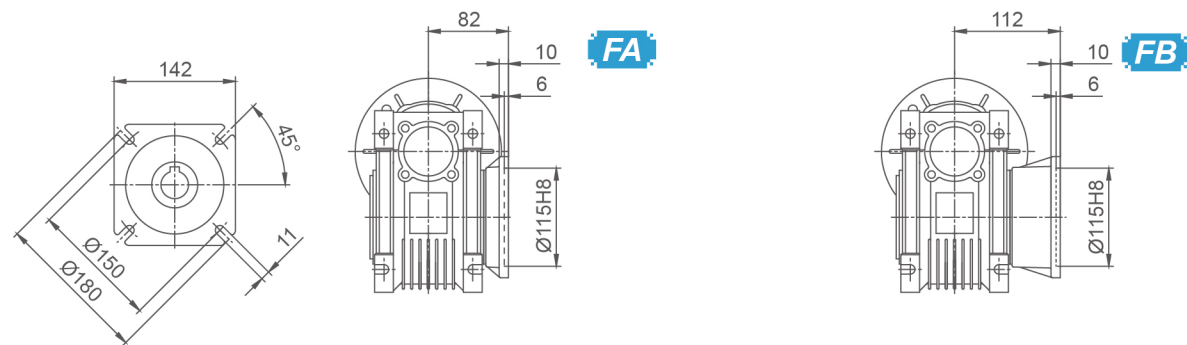
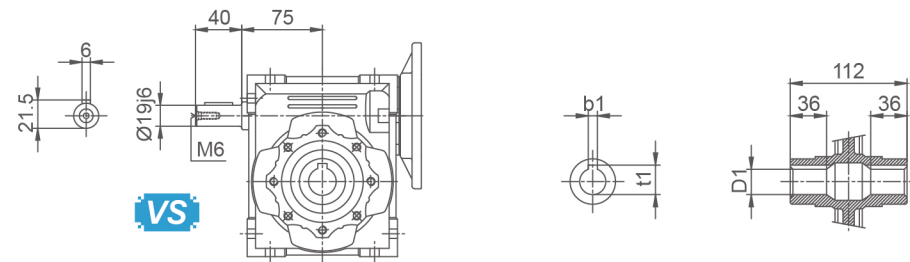
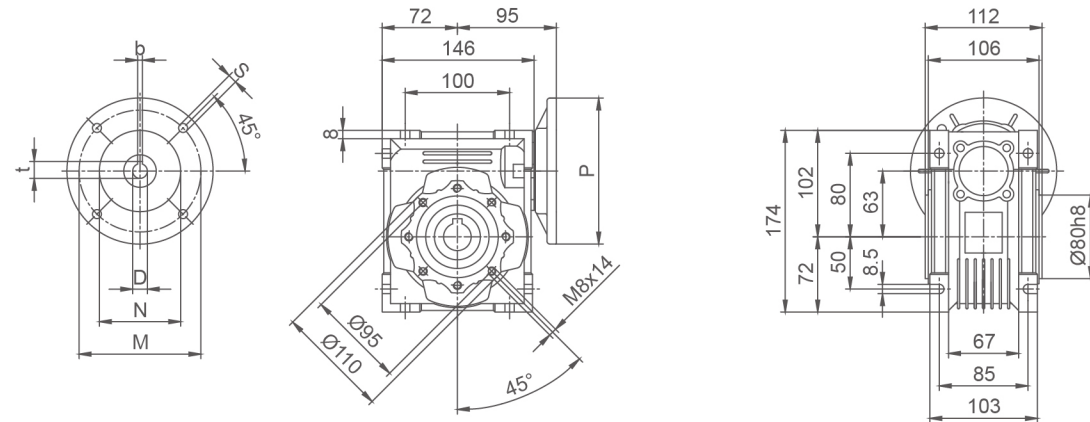
JMRV050



PAM IEC	D _{E8}	b	t	P	M	N	S	D1 _{H8}	b1	t1
80B5	19	6	21.8	200	165	130	11	25	8	28.3
80B14	19	6	21.8	120	100	80	6.5	(24)	(8)	(27.3)
71B5	14	5	16.3	160	130	110	8.5	(..) 根据用户要求定制		
71B14	14	5	16.3	105	85	70	7	(..) Only on request		
63B5	11	4	12.8	140	115	95	8.5			

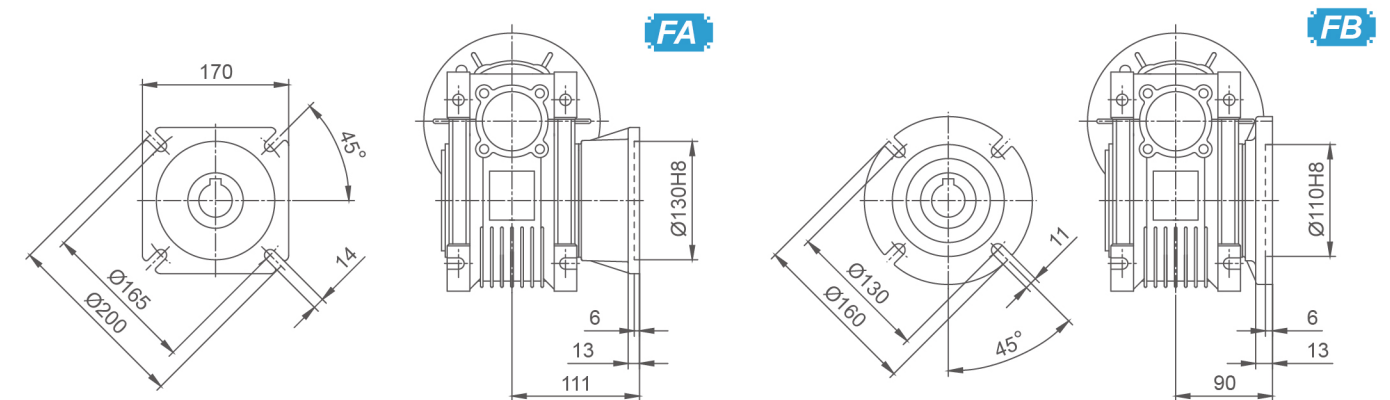
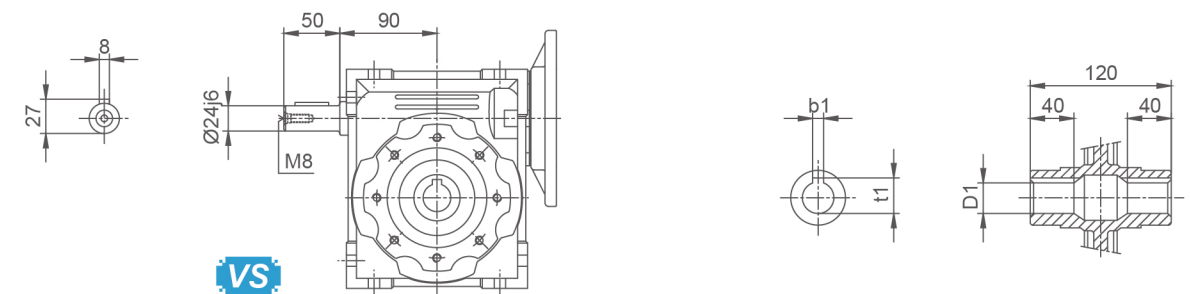
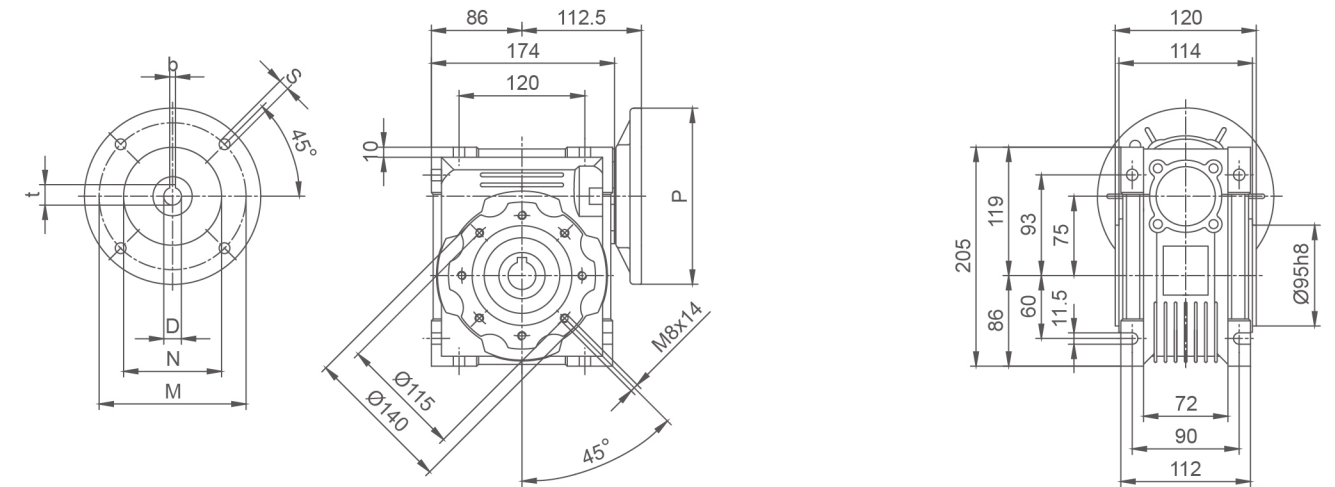
*不带电机重量 ≈3.5kg
*Weight without motor ≈3.5kg



JMRV063

PAM	D_{E8}	b	t	P	M	N	S	输出 Output	D1_{H8} b1 t1		
IEC									25	8	28.3
90B5	24	8	27.3	200	165	130	11		(28)	(8)	(31.3)
90B14	24	8	27.3	140	115	95	9		(..) 根据用户要求定制 (..) Only on request		
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				

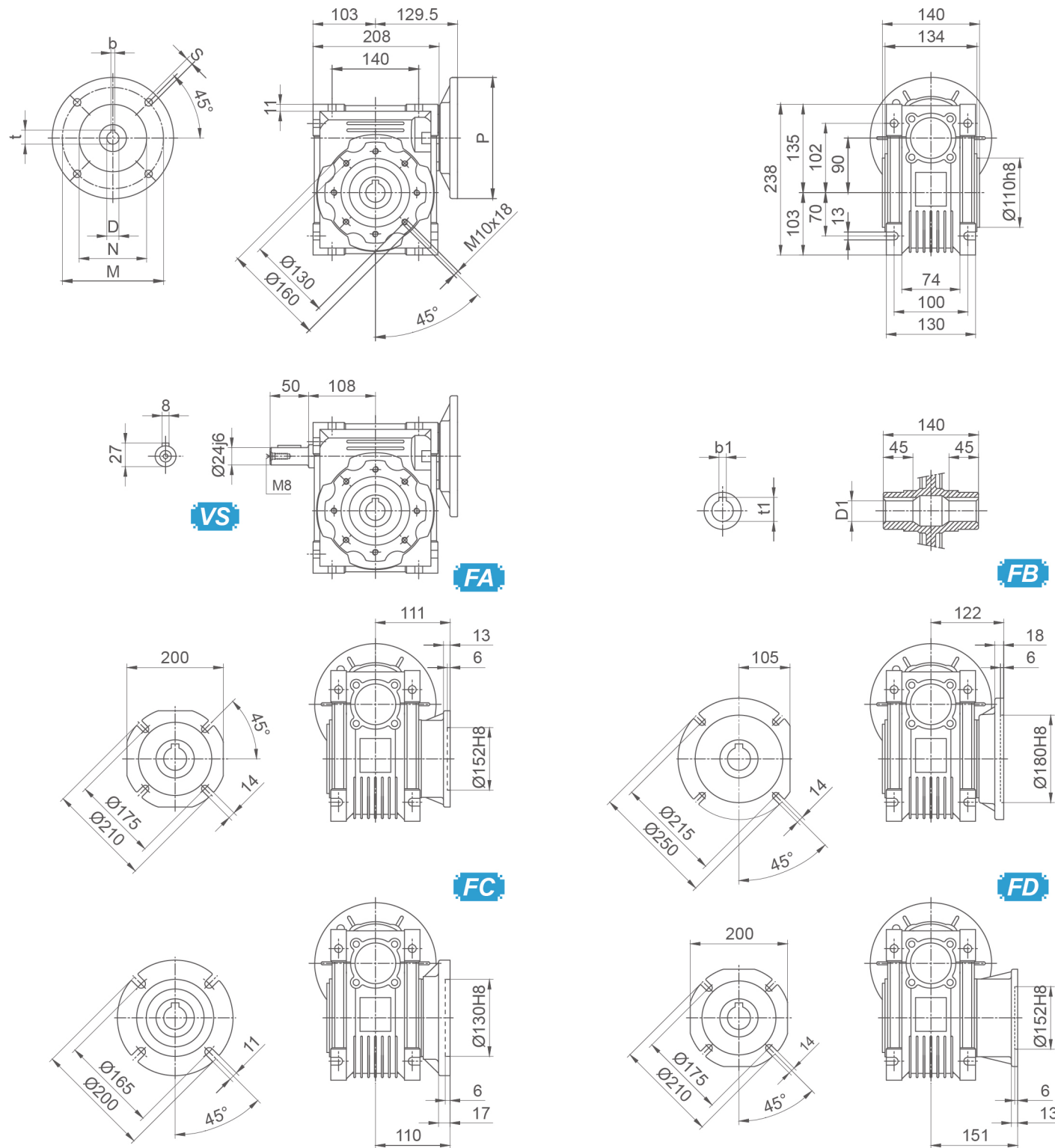
*不带电机重量 ≈6.2kg
*Weight without motor ≈6.2kg

**JMRV075**

PAM IEC	D _{EB}	b	t	P	M	N	S	
100/112B5	28	8	31.3	250	215	180	13	输出 Output D1_{H8} b1 t1 28 8 31.3 (35) (10) (38.3) (..) 根据用户要求定制 (..) Only on request
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	

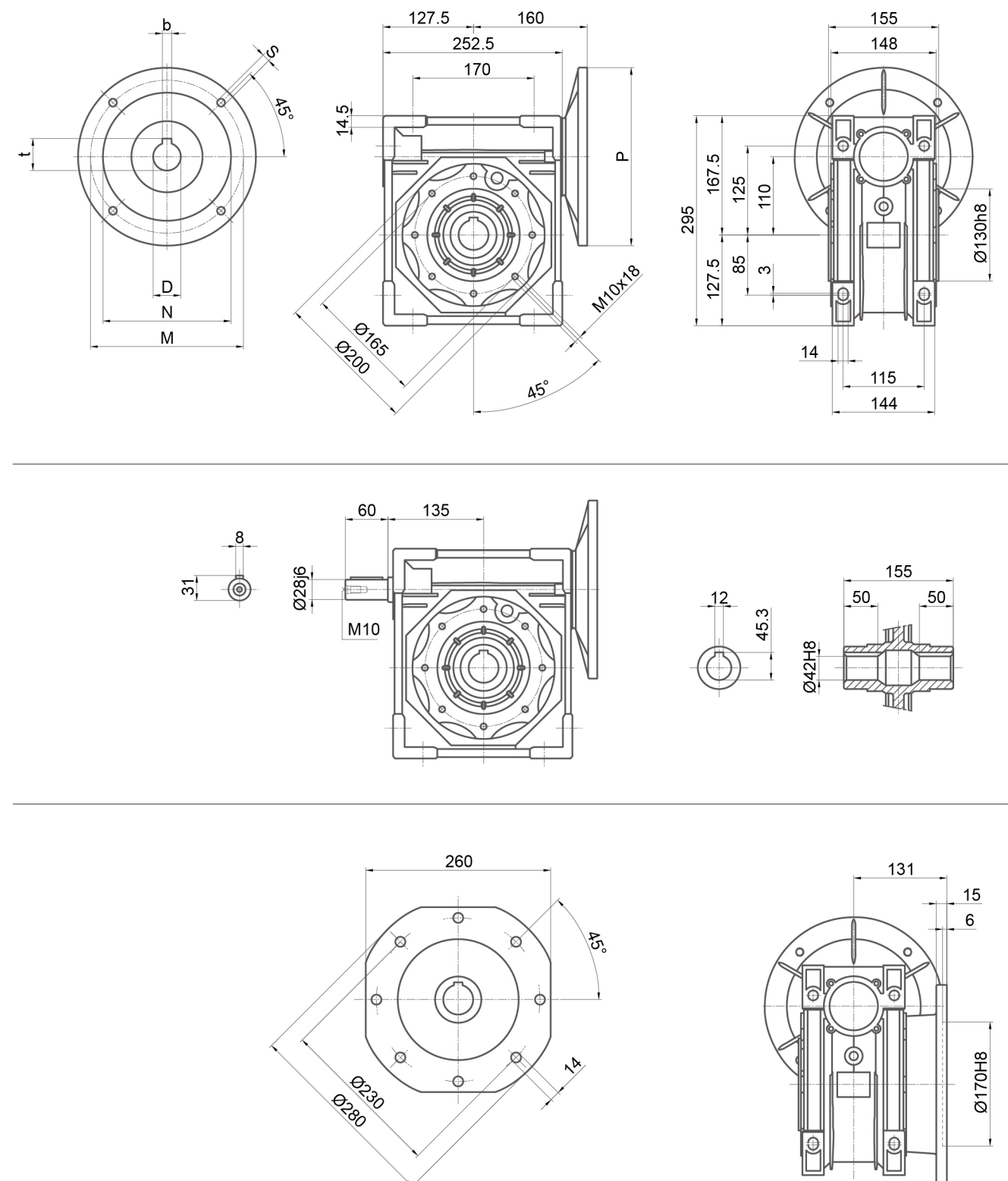
*不带电机重量 ≈9.0kg
*Weight without motor ≈9.0kg



JMRV090

PAM IEC	D _{E8}	b	t	P	M	N	S	输出 Output	D1 _{H8} b1 t1		
100/112B5	28	8	31.3	250	215	180	13		35	10	38.3
100/112B14	28	8	31.3	160	130	110	9		(38)	(10)	(41.3)
90B5	24	8	27.3	200	165	130	11		(.) 根据用户要求定制		
90B14	24	8	27.3	140	115	95	9		(.) Only on request		
80B5	19	6	21.8	200	165	130	11				
80B14	19	6	21.8	120	100	80	6.5				

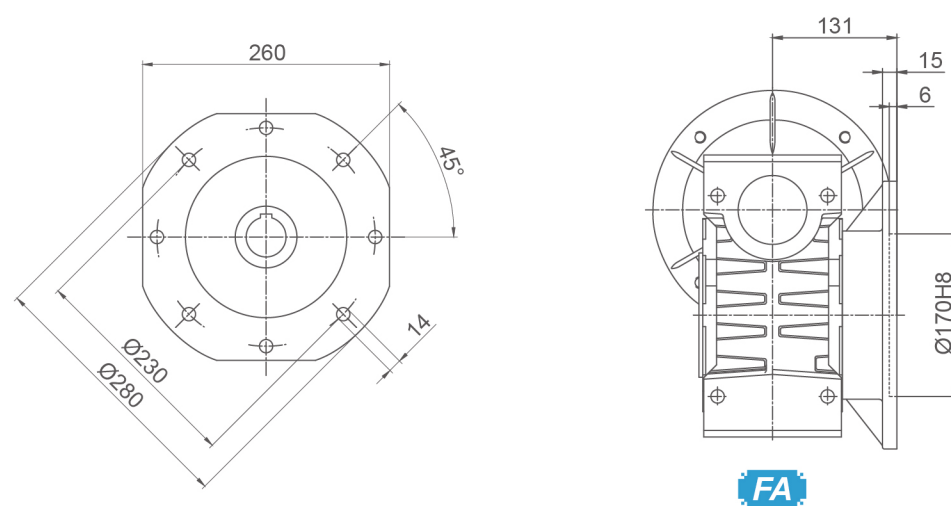
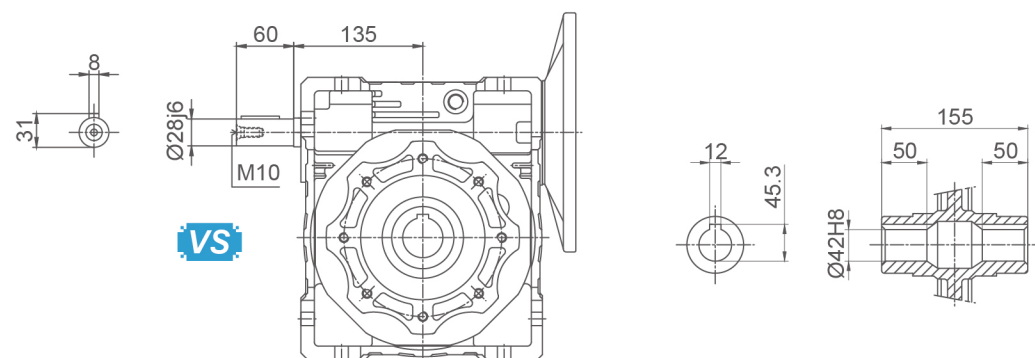
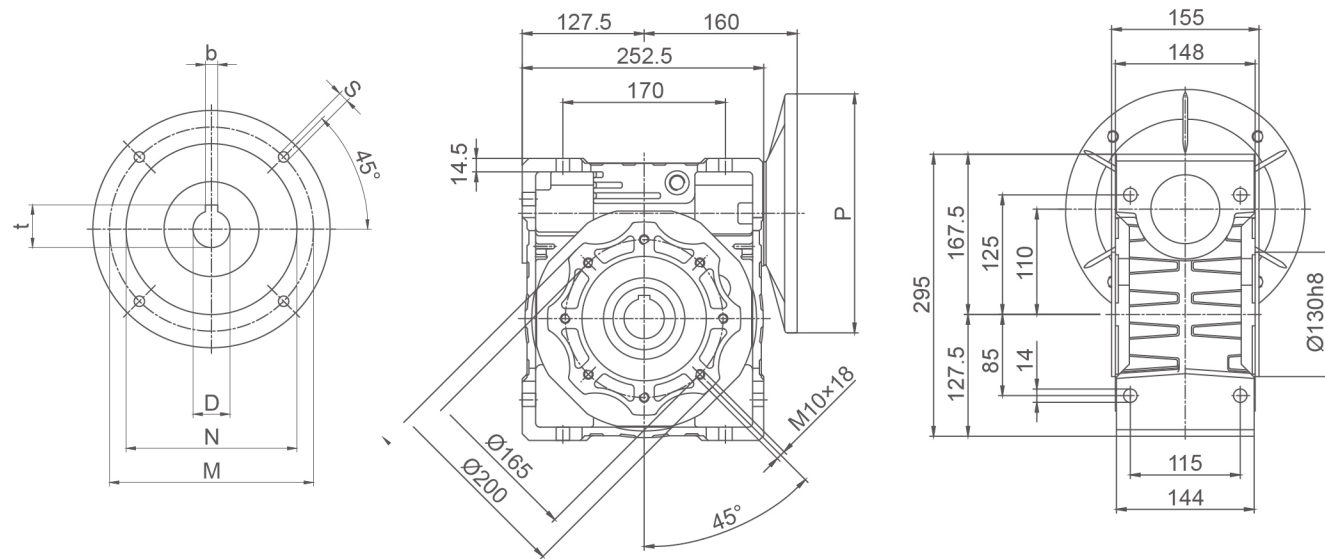
*不带电机重量 ≈13kg
*Weight without motor ≈13kg

JMRV105

PAM IEC	D _{Es}	b	t	P	M	N	S
132B5	38	10	41.3	300	265	230	M1
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

*不带电机重量 ≈21kg
*Weight without motor ≈21kg

JMRV110

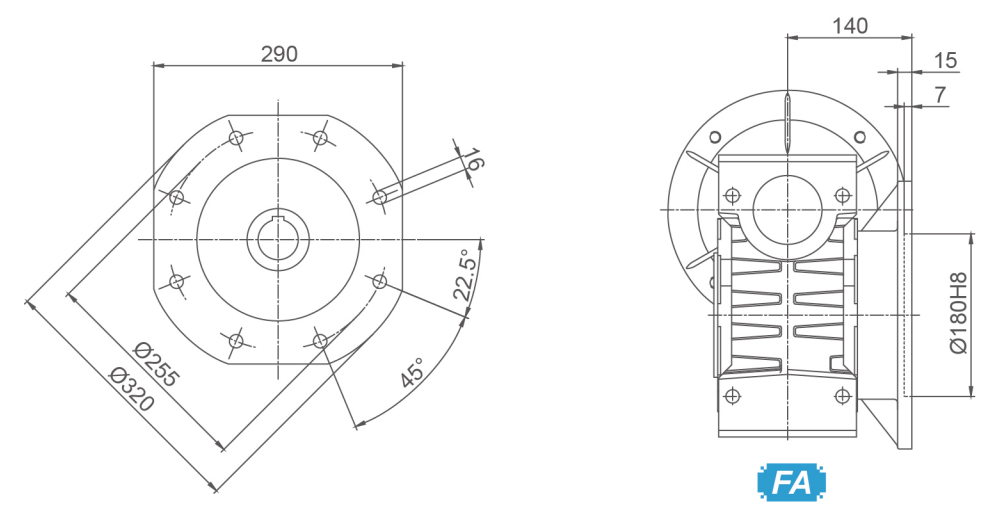
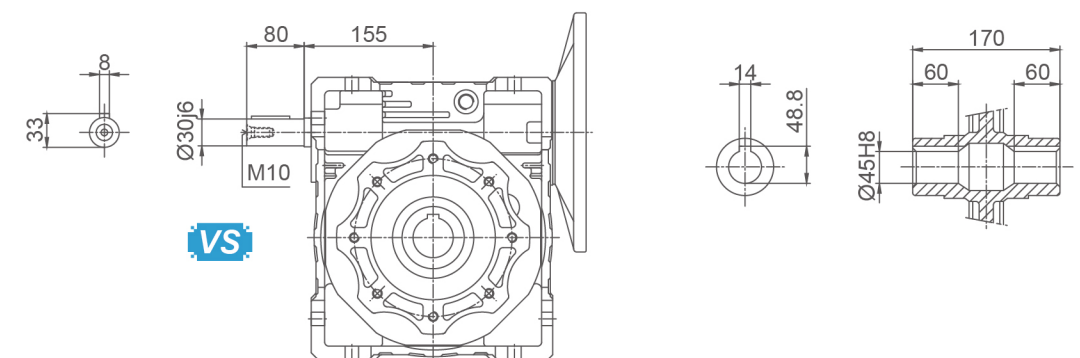
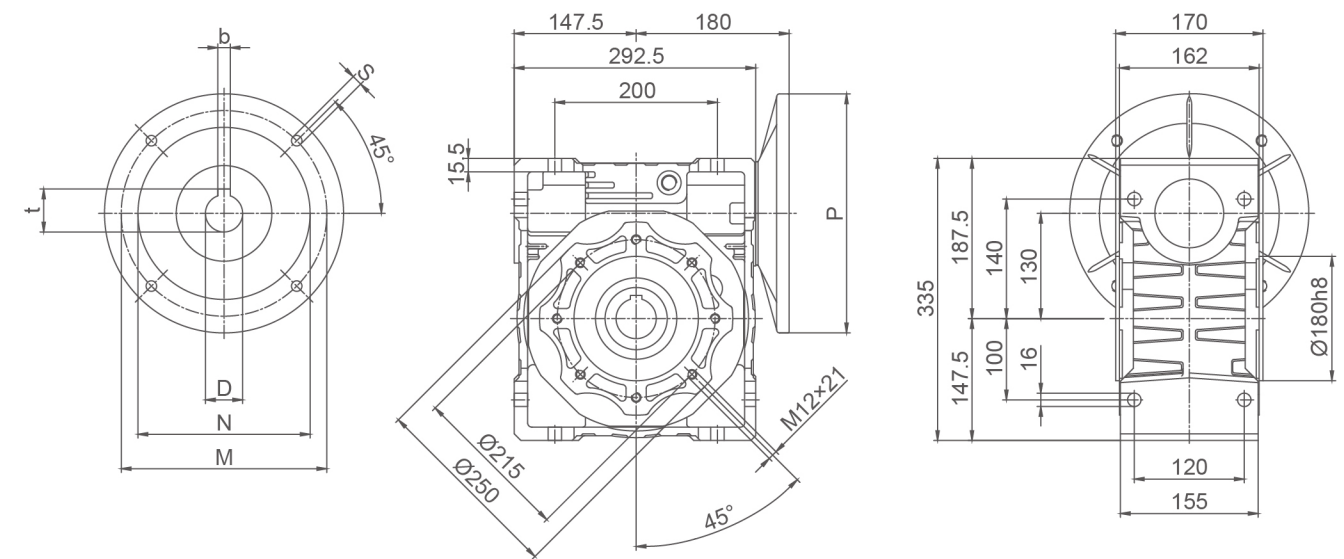


PAM IEC	D _{E8}	b	t	P	M	N	S
132B5	38	10	41.3	300	265	230	M12
100/112B5	28	8	31.3	250	215	180	13
90B5	24	8	27.3	200	165	130	11
80B5	19	6	21.8	200	165	130	11

*不带电机重量 $\approx 35\text{kg}$
 *Weight without motor $\approx 35\text{kg}$



JMRV130

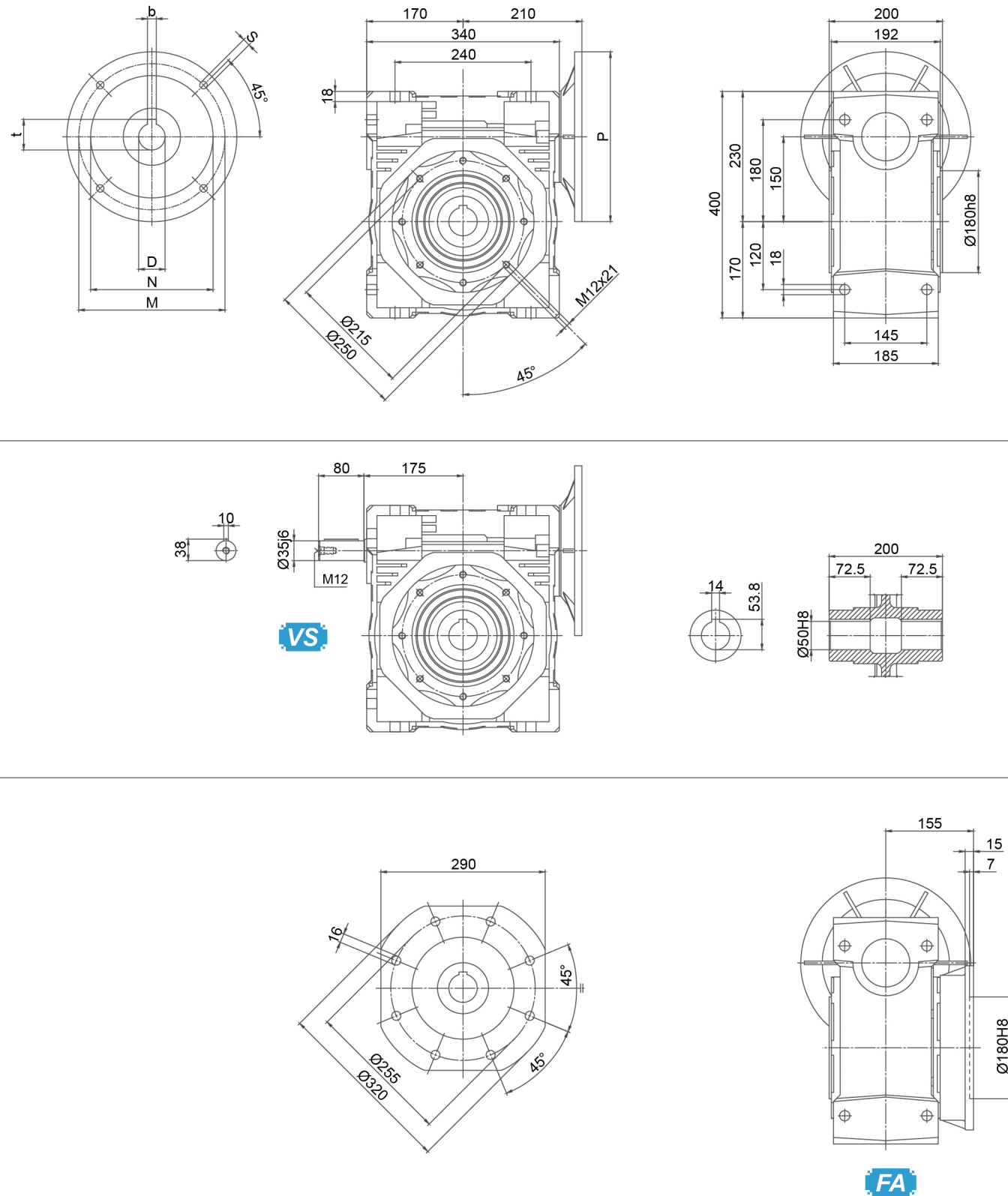


PAM IEC	D _{E8}	b	t	P	M	N	S
132B5	38	10	41.3	300	265	230	M12
100/112B5	28	8	31.3	250	215	180	13
90B5	24	8	27.3	200	165	130	11

*不带电机重量 $\approx 48\text{kg}$
 *Weight without motor $\approx 48\text{kg}$



JMRV150



PAM IEC	D _{Es}	b	t	P	M	N	S
160B5	42	12	45.3	350	300	250	19
132B5	38	10	41.3	300	265	230	M12
100/112B5	28	8	31.3	250	215	180	M12

*不带电机重量 ≈84kg
*Weight without motor ≈84kg

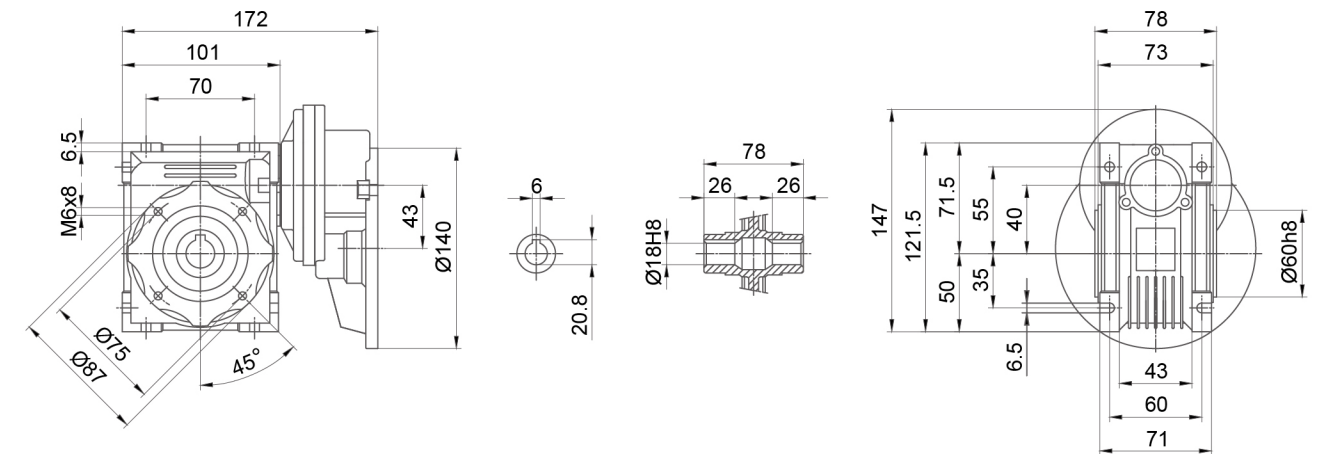
10.2 PC+JMRV 尺寸图

- 关于输出法兰的尺寸, 请参考JMRV有关图纸。
- 关于空心输出轴的尺寸, 请参考JMRV的相关图纸。
- 关于双轴伸蜗杆的尺寸, 请参考JMRV的相关图纸。

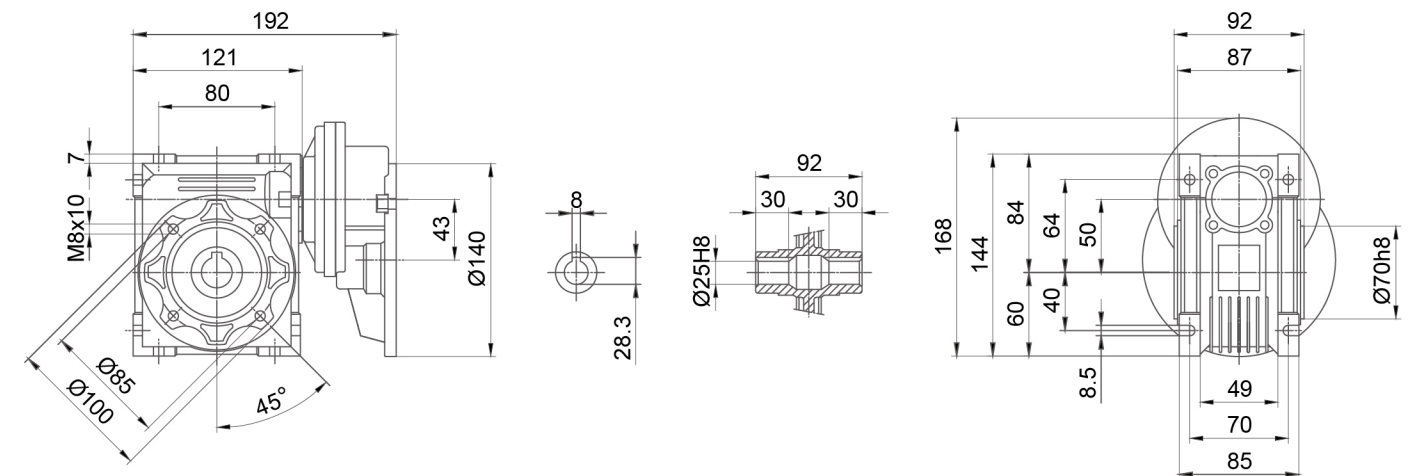
10.2 PC+JMRV Dimensions charts

- For the dimensions of the output flanges, please consider the drawing of relevant JMRV size.
- For the dimensions of the hollow shafts in option, please consider the drawing of relevant JMRV size.
- For the dimensions of the double extension worm shafts, please consider the drawing of relevant JMRV size.

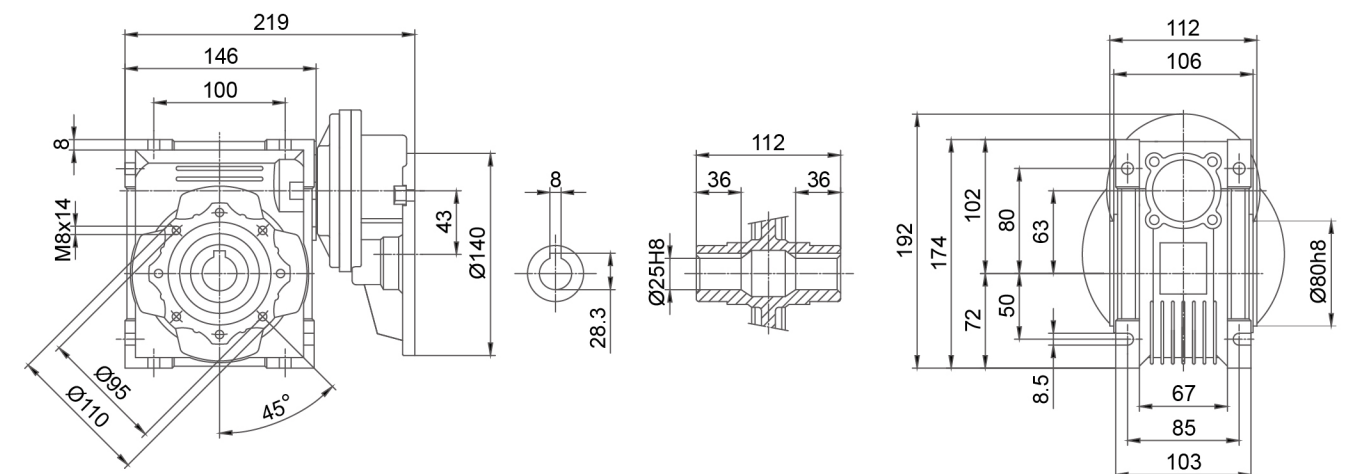
PC063 - JMRV040

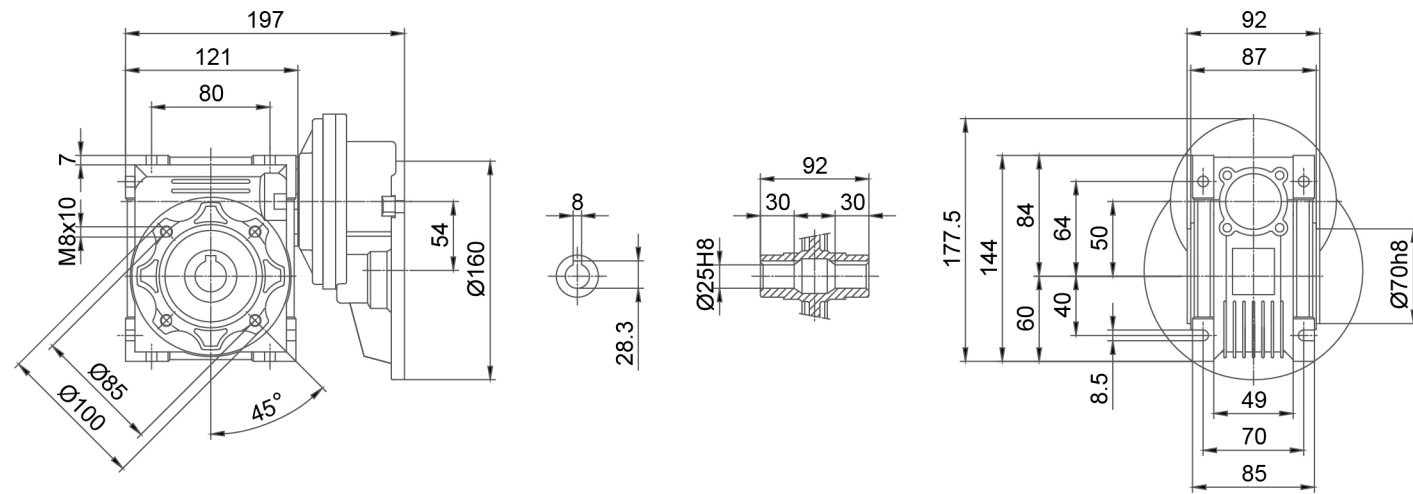
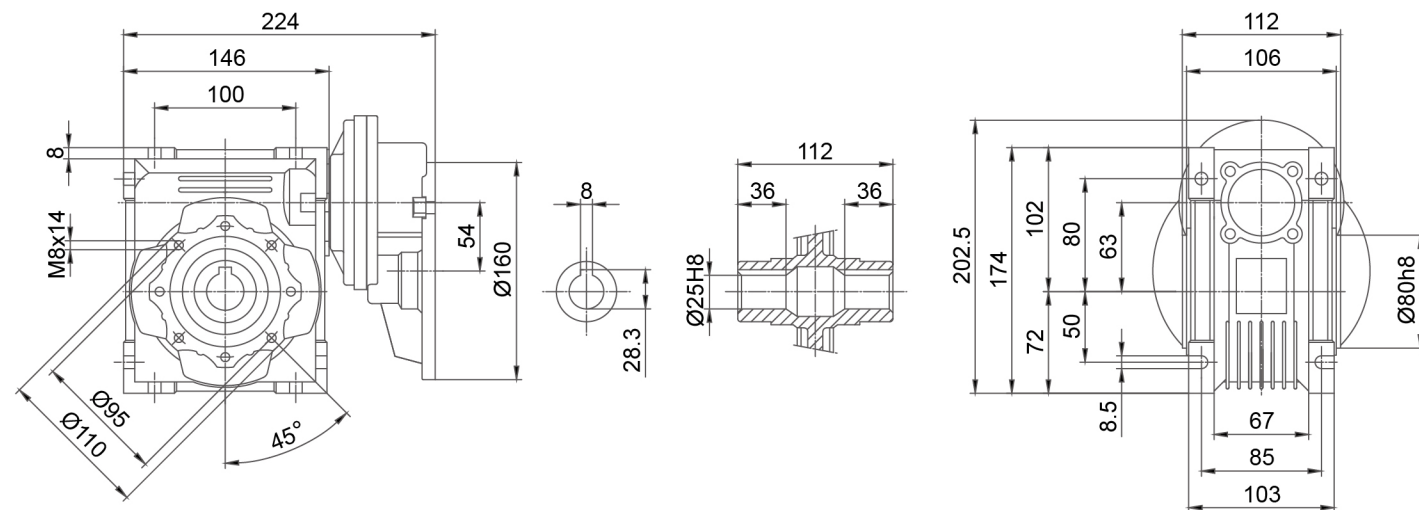
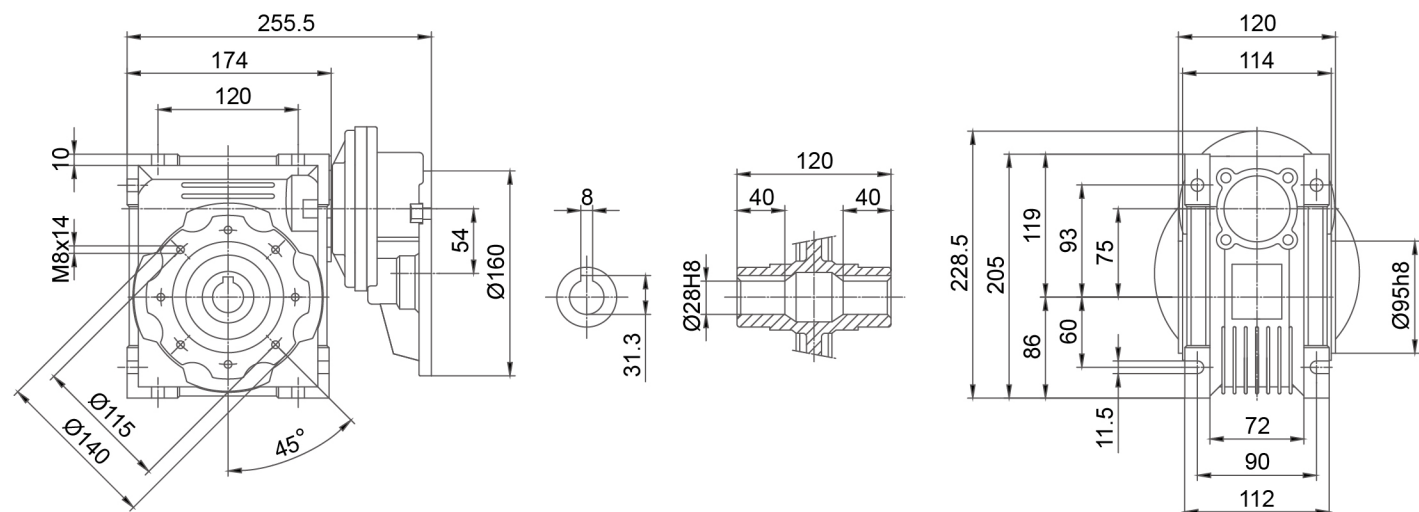
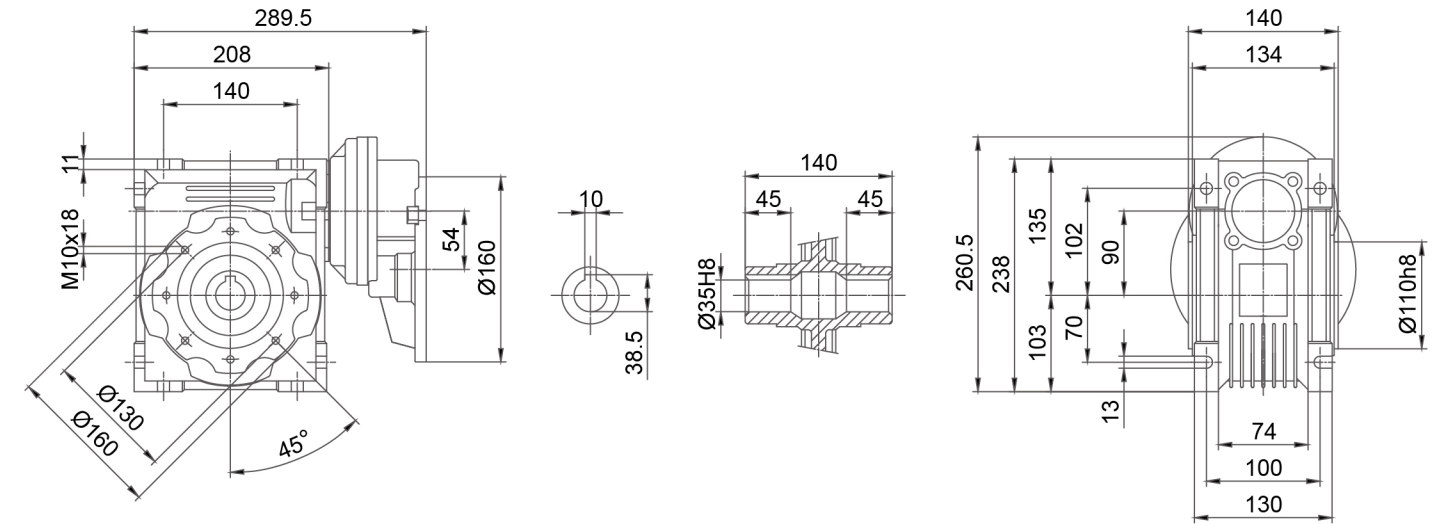
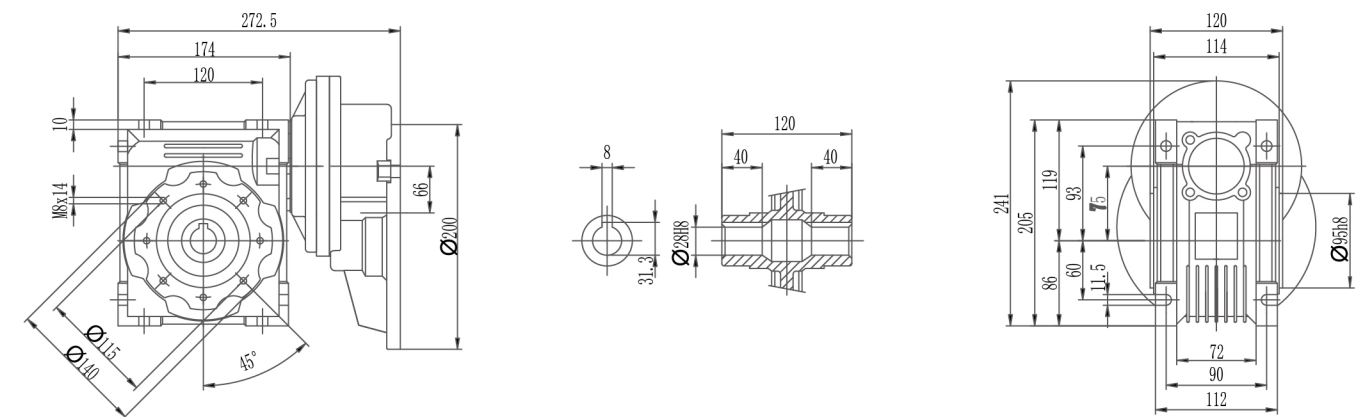
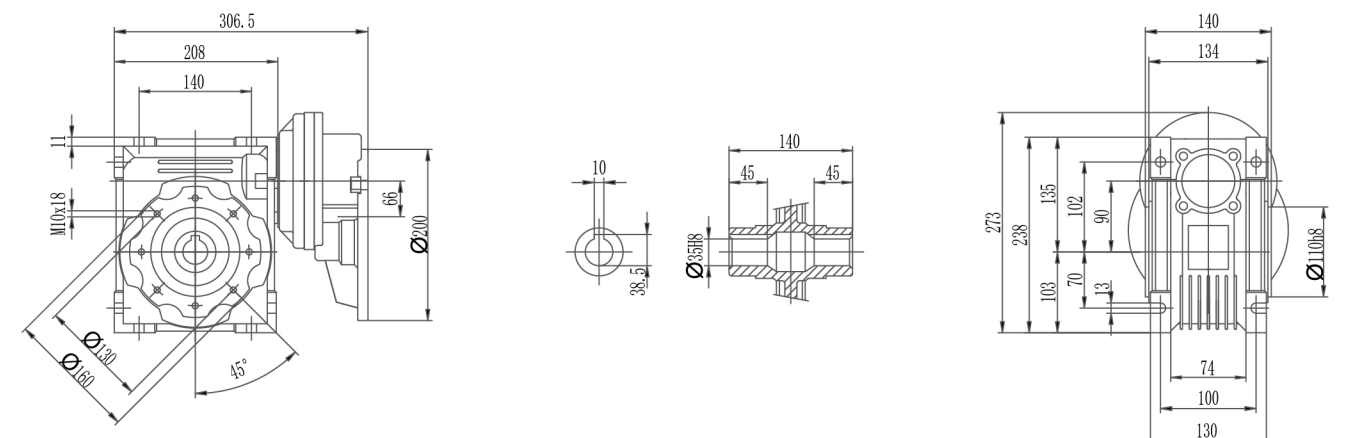


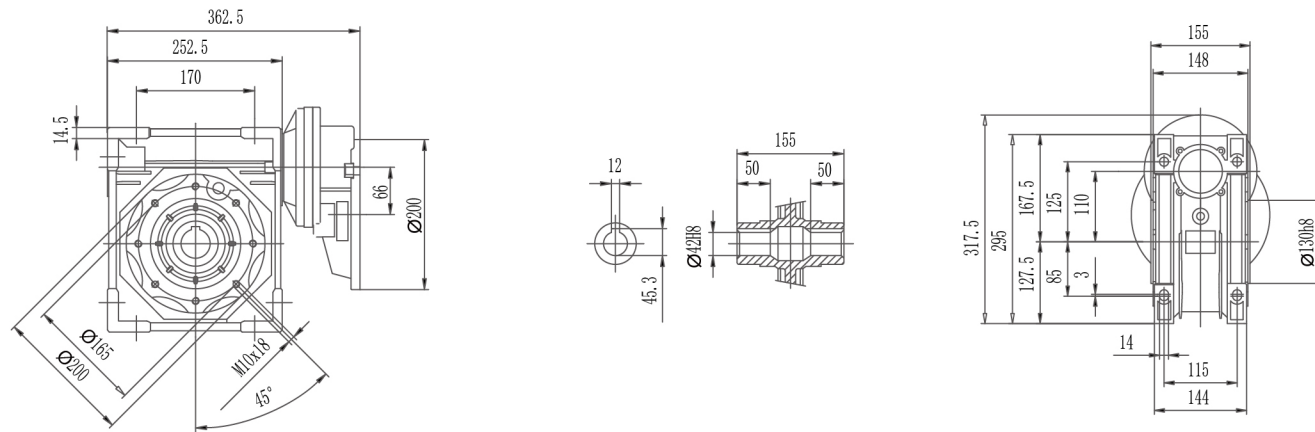
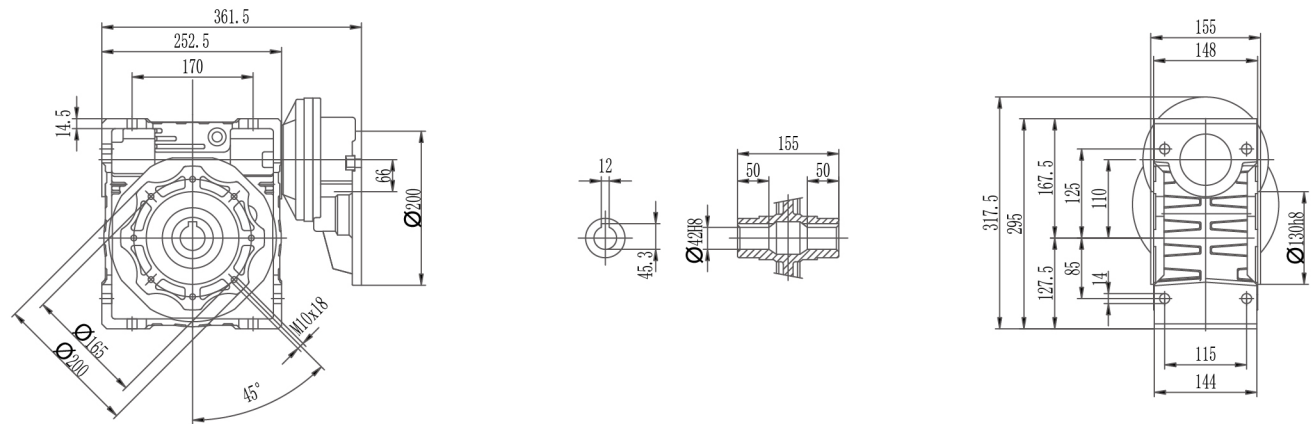
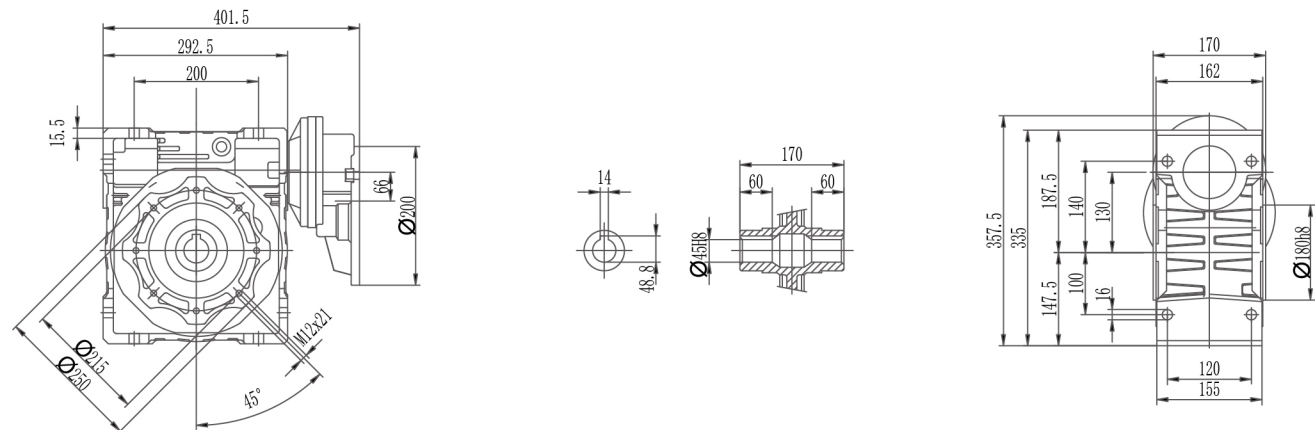
PC063 - JMRV050



PC063 - JMRV063



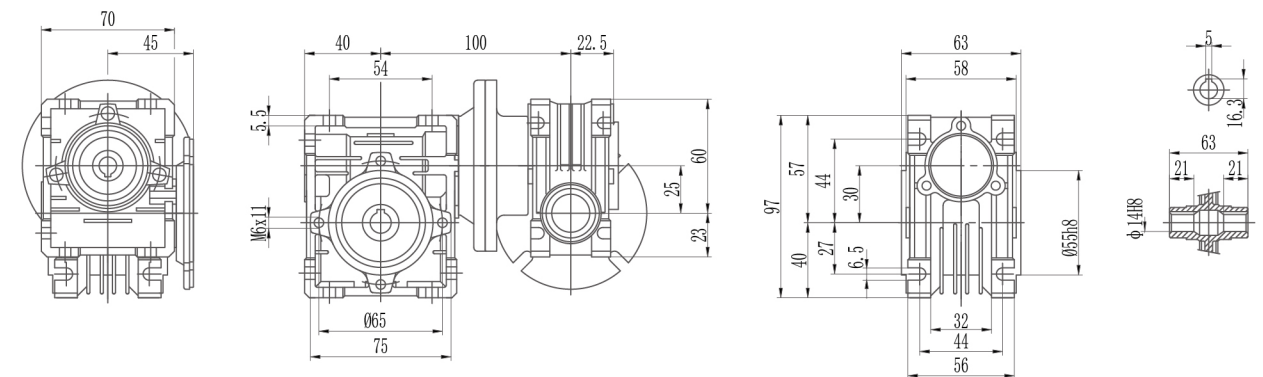
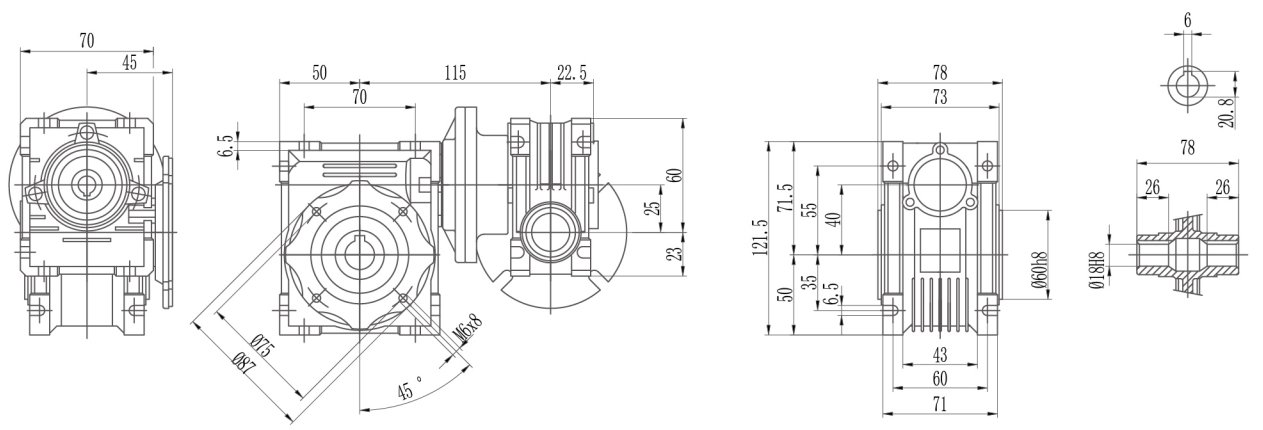
PC071 - JMRV050**PC071 - JMRV063****PC071 - JMRV075****PC071 - JMRV090****PC080 - JMRV075****PC080 - JMRV090**

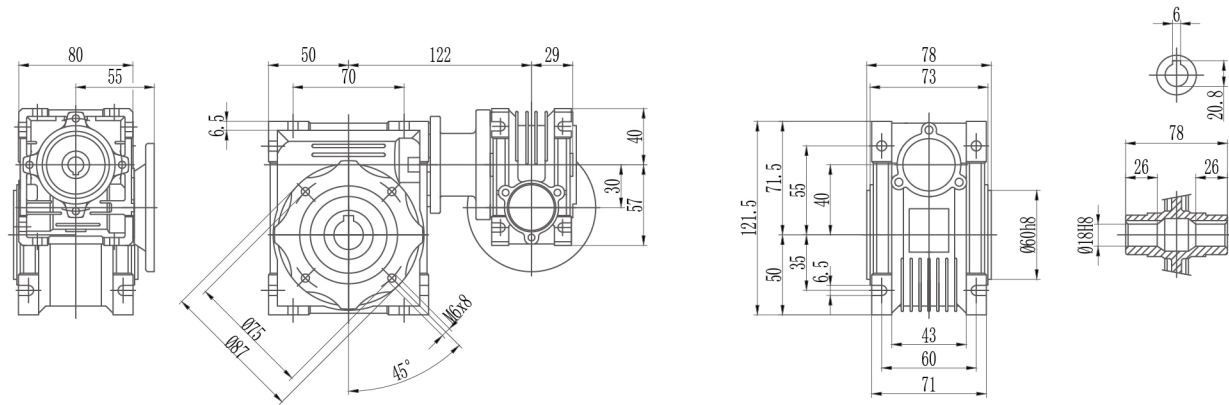
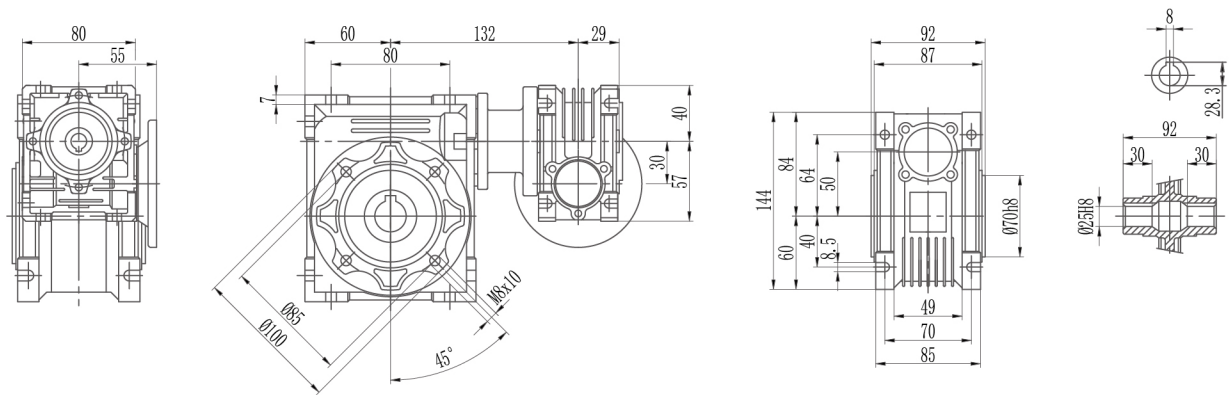
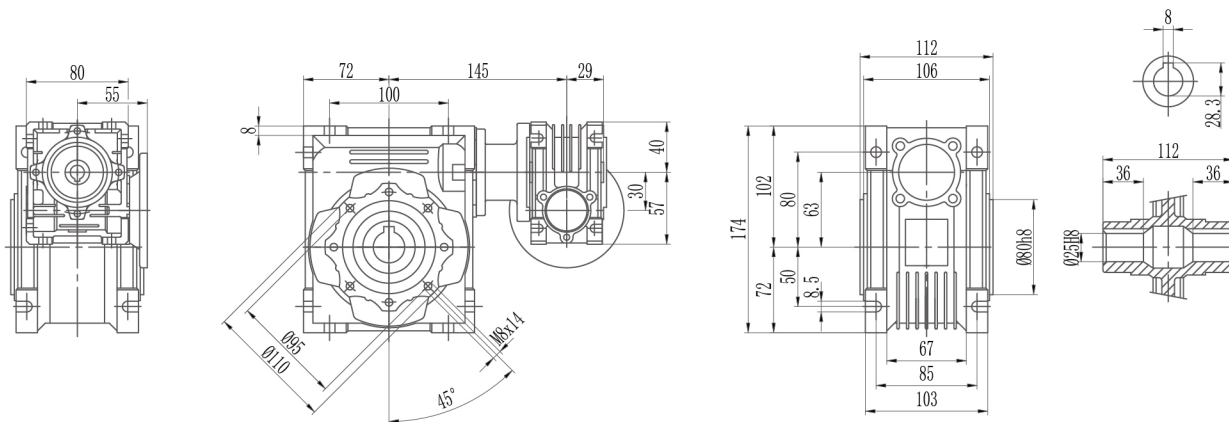
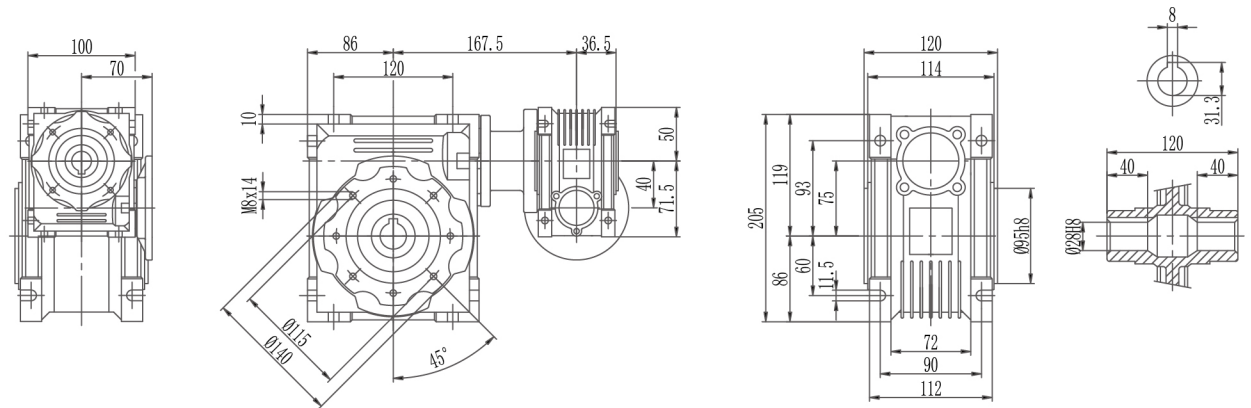
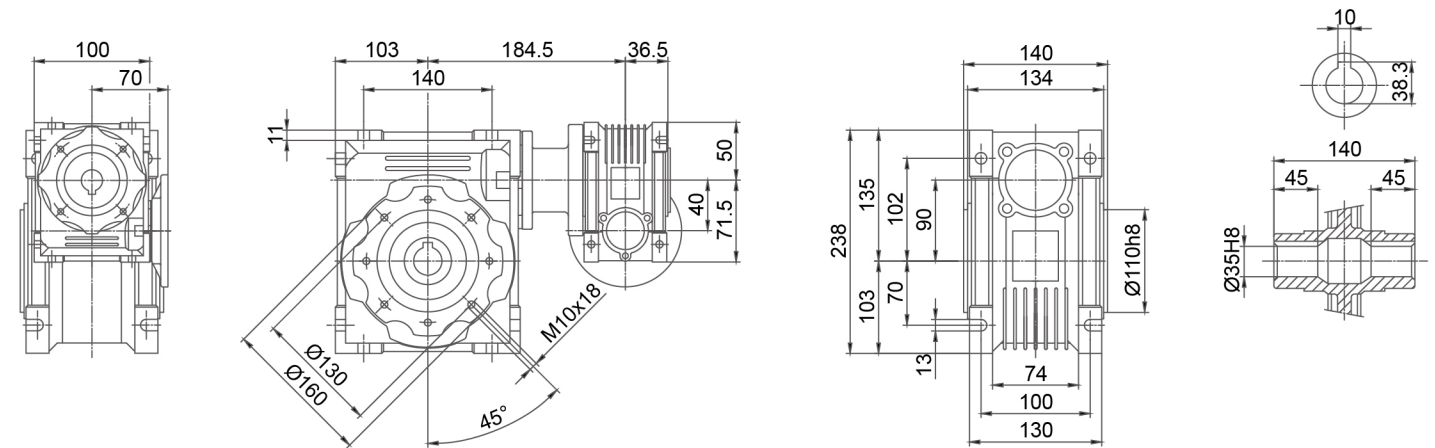
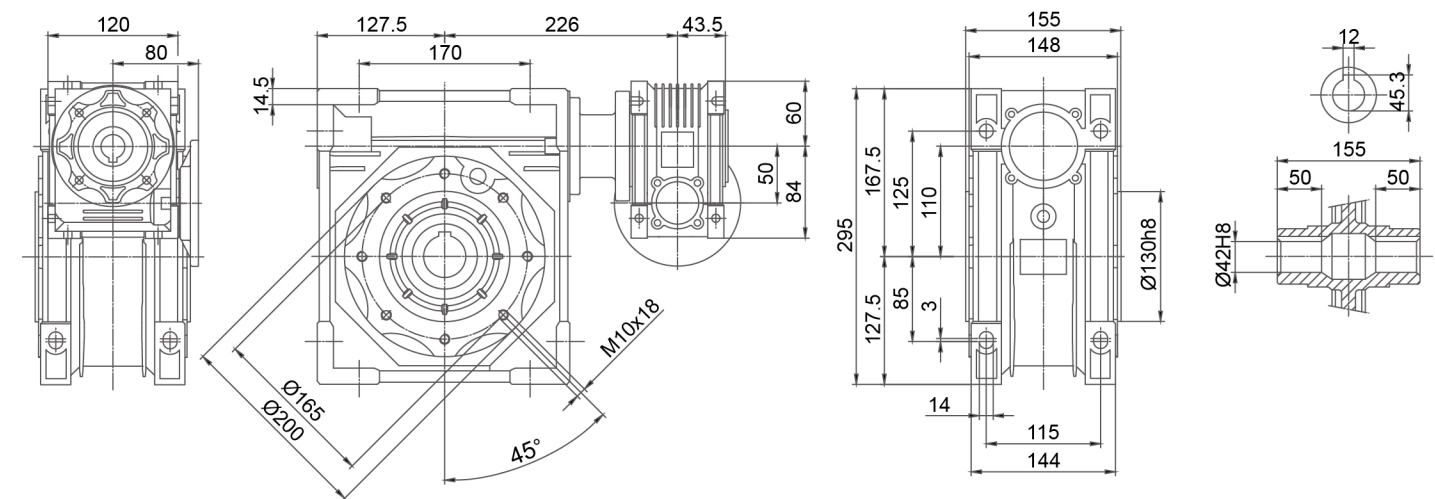
PC080(090) - JMRV105**PC080(090) - JMRV110****PC080(090) - JMRV130****10.3 JMRV+JMRV 尺寸图**

- 关于输出法兰的尺寸, 请参考JMRV有关图纸。
- 关于空心输出轴的尺寸, 请参考JMRV的相关图纸。
- 关于双轴伸蜗杆的尺寸, 请参考JMRV的相关图纸。

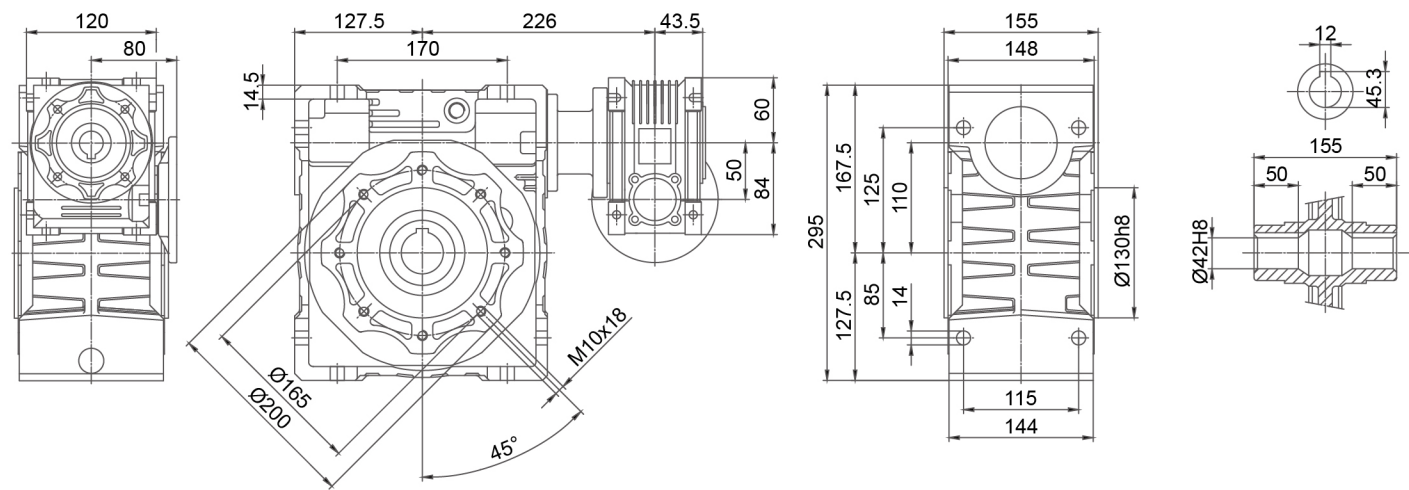
10.3 JMRV+JMRV Dimensions charts

- For the dimensions of the output flanges, please consider the drawing of relevant JMRV size.
- For the dimensions of the hollow shafts in option, please consider the drawing of relevant JMRV size.
- For the dimensions of the double extension worm shafts, please consider the drawing of relevant JMRV size.

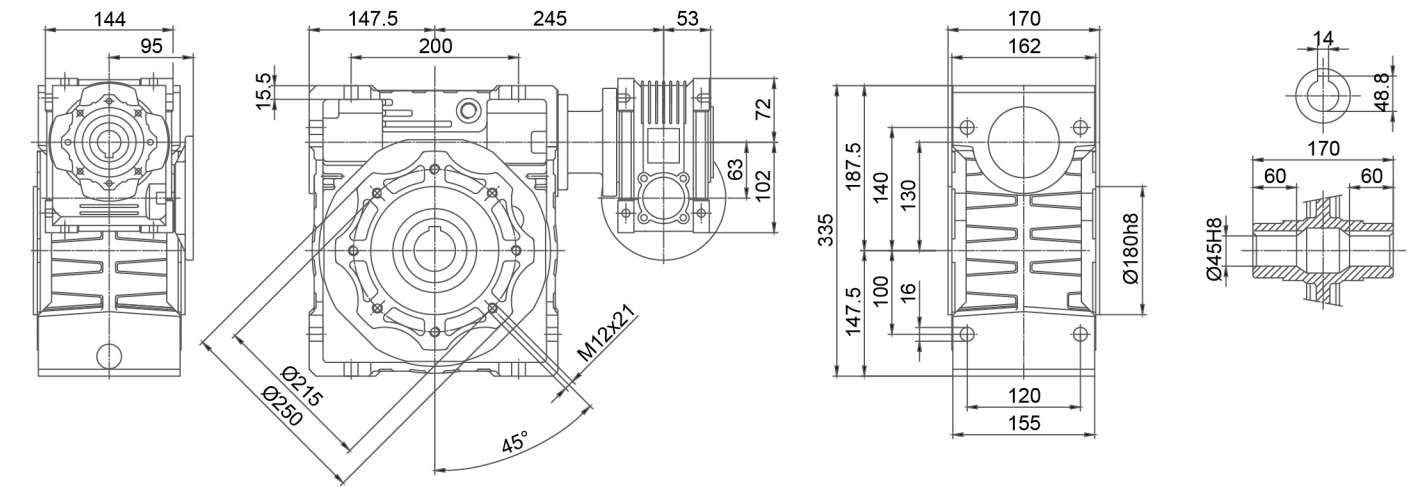
JMRV 025 - 030**JMRV 025 - 040**

JMRV 030 - 040**JMRV 030 - 050****JMRV 030 - 063****JMRV 040 - 075****JMRV 040 - 090****JMRV 050 - 105**

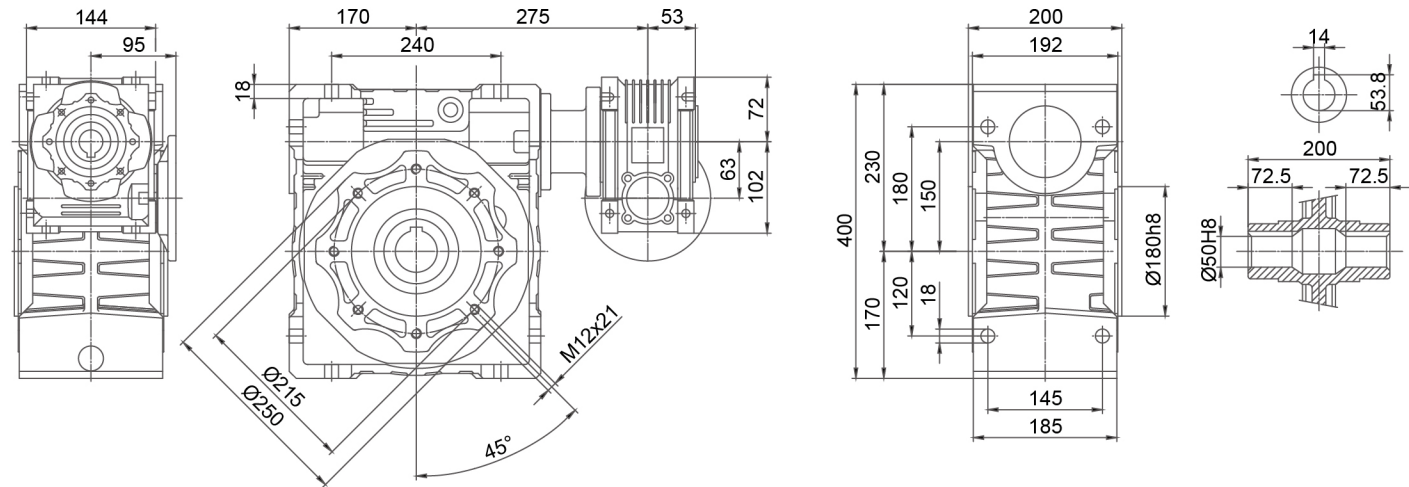
JMRV 050 - 110



JMRV 063 - 130

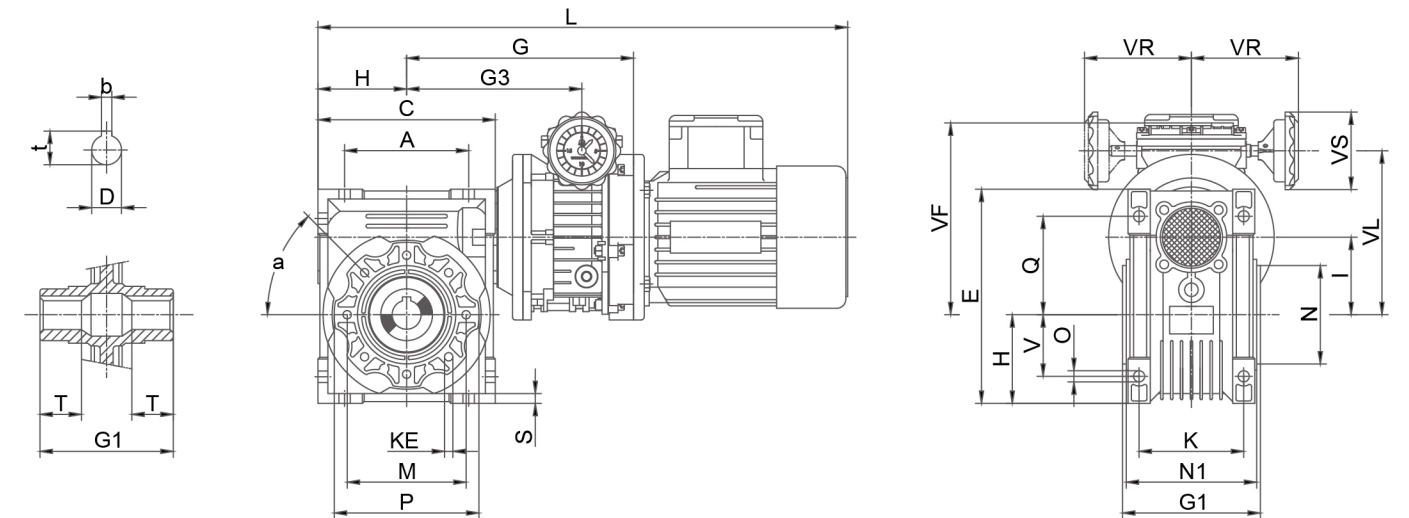


JMRV 063 - 150



10.4 UDL+JMRV 尺寸图

10.4 UDL+JMRV Dimensions charts

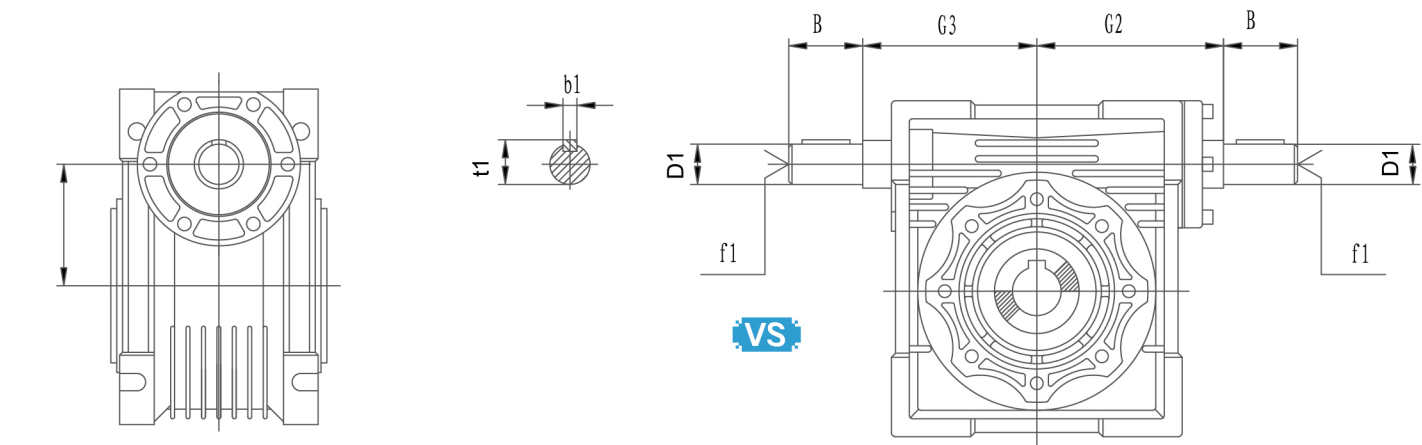


TYPE	A	C	D _{H8}	b	t	E	G	G1	G3	H	I	L	M	N _{H8}	N1	O	P	Q	S	T	V	VF	VR	VS	VL	K	KE	a
UDL002-JMRV040	70	100	18	6	20.8	121.5	181.5	78	134	50	40	438.5	75	60	73	6.5	87	55	6.5	26	35	153	113	70	118	60	M6x8 (n=4)	45°
UDL005-JMRV040							178		141.5			453										165	113	70	131			
UDL002-JMRV050	80	120	25	8	28.3	144	191.5	92	144	60	50	458.5	85	70	87	8.5	100	64	7	30	40	163	113	70	128	70	M8x10 (n=8)	45°
UDL005-JMRV050							188		151.5			473										175	113	70	141			
UDL005-JMRV063	100	144	25	8	28.3	174	204	112	167.5	72	63	501	95	80	106	8.5	110	80	8	36	50	188	113	70	154	85	M8x14 (n=8)	45°
UDL010-JMRV063							239.5		183.5			566.5										205	120	85	170			
UDL010-JMRV075	120	172	28	8	31.3	205	256.5	120	200.5	86	75	597.5	115	95	114	11	140	93	10	40	60	217	120	85	182	90	M8x14 (n=8)	45°
UD020-JMRV075							287		219.5			668										223	140	85	202			
UDL010-JMRV090	140	206	35	10	38.3	238	273	140	217	103	90	631	130	110	134	13	160	102	11	45	70	232	120	85	197	110	M10x18 (n=8)	45°
UD020-JMRV090							304		236.5			702										238	140	85	217			
UDL010-JMRV105							303.5		247.5			686										252	120	85	217			
UDL010-JMRV110																												
UD020-JMRV105							334		266.5			756.5										258	140	85	237			
UD020-JMRV110																												
UD030-JMRV105	170	252.5	42	12	45.3	295		155		127.5	110	834.5	165	130	148	14	200	125	14	50	85					115	M10x18 (n=8)	45°
UD030-JMRV110							382		291													291	150	120	268			
UD050-JMRV105												849.5																
UD050-JMRV110																												
UD020-JMRV130	200	292.5	45	14	48.8	335	354		286.5			796.5	215	180	162	16	250	140	15	60	100	278	140	85	257		M12x21 (n=8)	45°
UD030-JMRV130							402	170	311	147.5	130	874.5										311	150	120	288	120		
UD050-JMRV130							402		311			889.5										311	150	120	288			



10.5 JRV 尺寸图

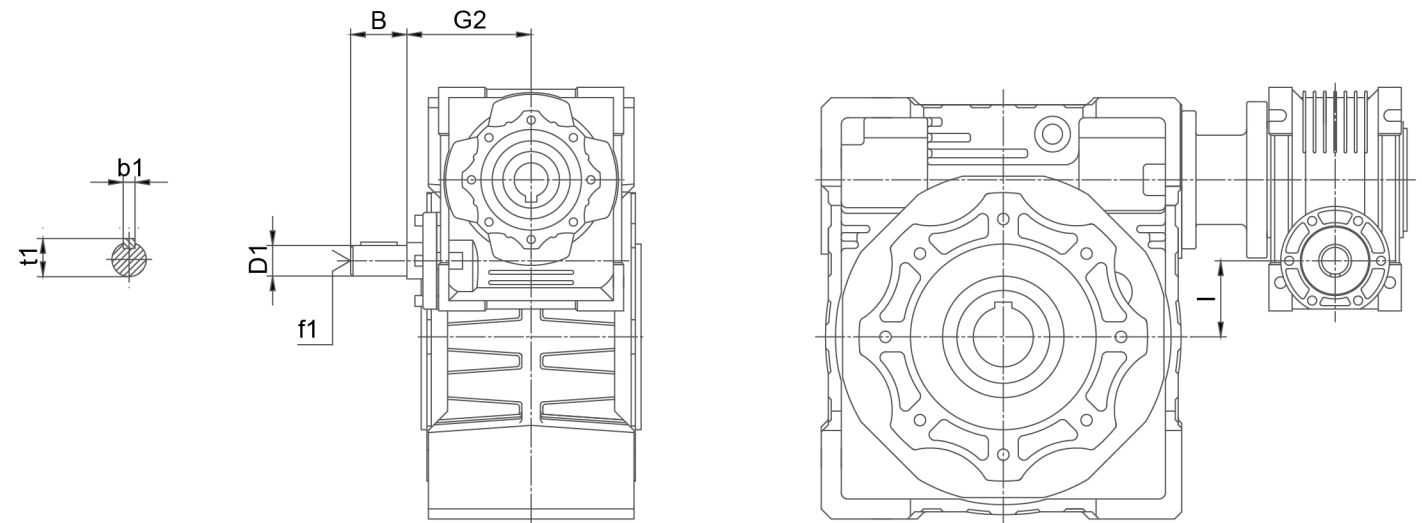
10.5 JRV Dimensions charts



JRV	025	030	040	050	063	075	090	105/110	130	150
B	20	20	23	30	40	50	50	60	80	80
D1	9 j6	9 j6	11 j6	14 j6	19 j6	24 j6	24 j6	28 j6	30 j6	35 j6
G2	38	51	60	74	90	105	125	142	162	195
G3	37	45	53	64	75	90	108	135	155	175
I	25	30	40	50	63	75	90	110	130	150
b1	3	3	4	5	6	8	8	8	8	10
f1	-	-	-	M6	M6	M8	M8	M10	M10	M12
t1	10.2	10.2	12.5	16	21.5	27	27	31	33	38

10.6 JRV+JMRV 尺寸图

10.6 JRV+JMRV Dimensions charts

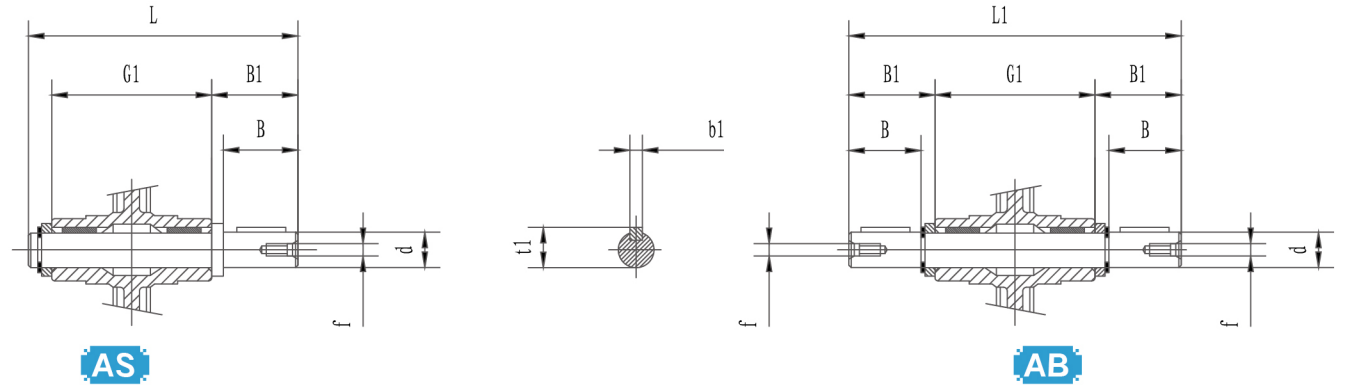


JRV-JMRV	030-040	030-050	030-063	040-075	040-090	050-105 050-110	063-130	063-150
B	20	20	20	23	23	30	40	40
D1	9 j6	9 j6	9 j6	11 j6	11 j6	14 j6	19 j6	19 j6
G2	51	51	51	60	60	74	90	90
I	10	20	33	35	50	50	67	87
b1	3	3	3	4	4	5	6	6
f1	-	-	-	-	-	M6	M6	M6
t1	10.2	10.2	10.2	12.5	12.5	16	21.5	21.5



10.7 输出轴

10.7 Output shaft



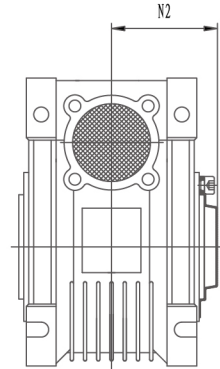
TYPE	d	B	B1	G1	L	L1	f	b1	t1
025	11 g6 (9)	23 (25)	25.5 (30)	50	81 (85.5)	101	-	4 (3)	12.5 (10.2)
030	14 g6	30	32.5	63	102	128	M6	5	16
040	18 h6	40	43	78	128	164	M6	6	20.5
050	25 h6	50	53.5	92	153	199	M10	8	28
063	25 h6	50	53.5	112	173	219	M10	8	28
075	28 h6	60	63.5	120	192	247	M10	8	31
090	35 h6	80	84.5	140	234	309	M12	10	38
105/110	42 h6	80	84.5	155	249	324	M16	12	45
130	45 h6	80	85	170	265	340	M16	14	48.5
150	50 h6	82	87	200	297	374	M16	14	53.5

(..)根据用户要求定制

(..) Only on request

10.8 防护罩

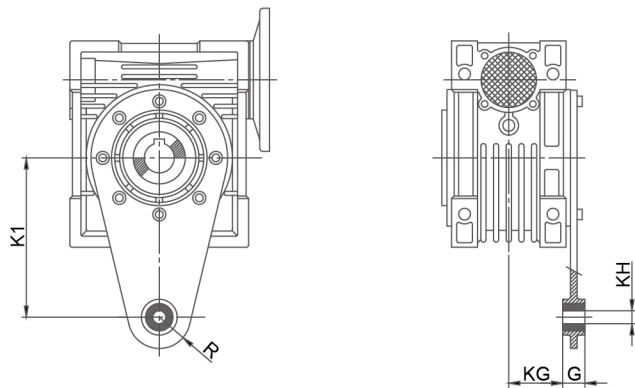
10.8 Protective Cover



TYPE	N2
030	42
040	50
050	58
063	69
075	74
090	86
105/110	94
130	102
150	113

10.9 扭力臂

10.9 Torque arm



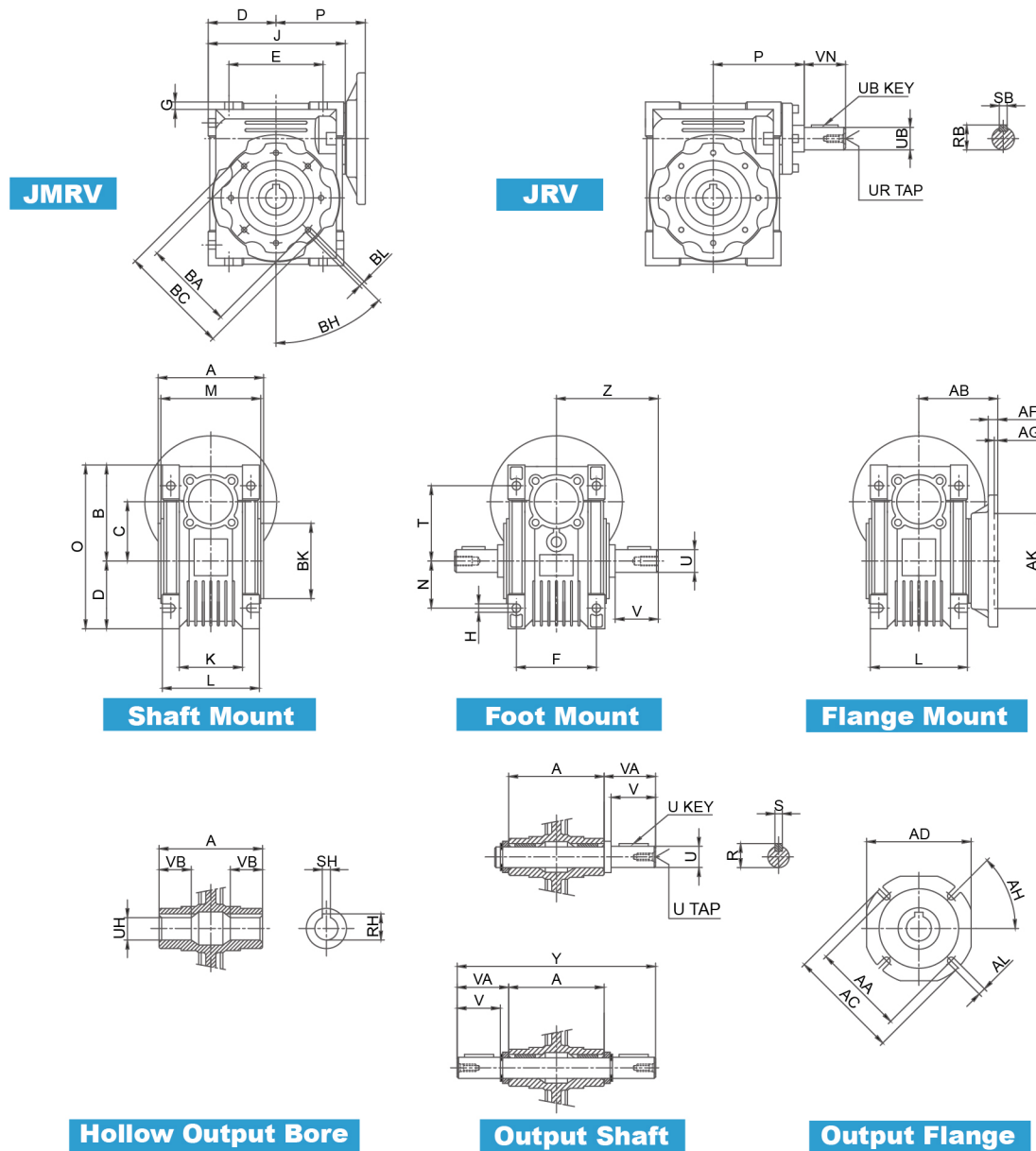
TYPE	K1	G	KG	KH	R
025	70	14	17.5	8	15
030	85	14	24	8	15
040	100	14	31.5	10	18
050	100	14	38.5	10	18
063	150	14	49	10	18
075	200	25	47.5	20	30
090	200	25	57.5	20	30
105/110	250	30	62	25	35
130	250	30	69	25	35
150	250	30	84	25	35



11.0 JMRV –英制系列 JMRV-INCH SERIES

11.1 尺寸

11.1 Dimensions chart



Hollow Output Bore	030	040	050	063	075	090	105/110	130	150
RH	0.71	0.84	1.12	1.24	1.37	1.52	1.8	1.93	2.22
SH	0.1875	0.1875	0.25	0.25	0.25	0.3125	0.375	0.375	0.500
UH	$0.625^{+0.001}_0$	$0.75^{+0.001}_0$	$1.0^{+0.001}_0$	$1.125^{+0.001}_0$	$1.25^{+0.001}_0$	$1.375^{+0.001}_0$	$1.625^{+0.001}_0$	$1.75^{+0.001}_0$	$2.0^{+0.001}_0$
VB	0.83	1.14	1.28	1.42	1.56	1.77	1.97	2.24	2.85

Output Shaft	030	040	050	063	075	090	105/110	130	150
R	0.7	0.83	1.11	1.23	1.36	1.51	1.79	1.92	2.22
S	0.1875	0.1875	0.25	0.25	0.25	0.3125	0.375	0.375	0.500
U	$0.625^{+0.0005}_0$	$0.75^{+0.0005}_0$	$1.0^{+0.0005}_0$	$1.125^{+0.0005}_0$	$1.25^{+0.0005}_0$	$1.375^{+0.0005}_0$	$1.625^{+0.0005}_0$	$1.75^{+0.0005}_0$	$2.0^{+0.0005}_0$
U KEY	0.1875x1.125	0.1875x1.5	0.25x1.5	0.25x1.875	0.25x2.25	0.3125x2.5	0.375x2.75	0.375x2.75	0.50x3.50
U TAP	1/4-20	1/4-20	3/8-16	3/8-16	1/2-13	1/2-13	5/8-11	5/8-11	3/4-10
V	1.57	1.97	1.97	2.36	2.76	3.15	3.54	3.54	3.94
VA	1.67	2.09	2.11	2.5	2.89	3.33	3.72	3.74	4.13
Y	5.82	7.25	7.84	9.41	10.5	12.17	13.54	14.17	16.13



	030	040	050	063	075	090	105/110	130	150
A	2.48	3.07	3.62	4.41	4.72	5.51	6.1	6.69	7.87
B	2.24	2.81	3.31	4.02	4.69	5.31	6.59	7.38	9.06
BA	2.56	2.95	3.35	3.74	4.53	5.12	6.5	8.46	8.46
BC	2.95	3.43	3.94	4.33	5.51	6.3	7.87	9.84	9.84
BH	90°	45°	45°	45°	45°	45°	45°	45°	45°
BK	$2.165^{+0.0018}_0$	$2.362^{+0.0018}_0$	$2.756^{+0.0018}_0$	$3.15^{+0.0021}_0$	$3.74^{+0.0021}_0$	$4.331^{+0.0021}_0$	$5.118^{+0.0025}_0$	$7.087^{+0.0025}_0$	$7.087^{+0.0025}_0$
BL	M6x11	M6x10	M8x10	M8x14	M8x14	M10x18	M10x18	M12x21	M12x21
C	1.18	1.57	1.97	2.48	2.95	3.54	4.33	5.12	5.91
D	1.57	1.97	2.36	2.83	3.39	4.06	5.02	5.81	6.69
E	2.13	2.76	3.15	3.94	4.72	5.51	6.69	7.87	9.45
F	1.73	2.36	2.76	3.35	3.54	3.94	4.53	4.72	5.71
G	0.22	0.26	0.28	0.31	0.39	0.43	0.57	0.61	0.71
H	0.26	0.26	0.33	0.33	0.45	0.51	0.55	0.63	0.71
J	3.15	3.98	4.76	5.75	6.85	8.19	9.94	11.52	13.39
K	1.26	1.69	1.93	2.64	2.83	2.91	-	-	-
L	2.2	2.8	3.35	4.06	4.41	5.12	5.67	6.1	7.28
M	2.28	2.87	3.43	4.17	4.49	5.28	5.83	6.38	7.56
N	1.06	1.38	1.57	1.97	2.36	2.76	3.35	3.94	4.72
O	3.82	4.78	5.67	6.85	8.07	9.37	11.61	13.19	15.75
P	2.64	3.15	3.54	4.13	4.96	5.63	6.81	7.6	8.46
Q	0.83	2.36	2.91	3.54	4.13	4.92	5.59	6.38	7.68
T	1.73	2.17	2.52	3.15	3.66	4.02	4.92	5.51	7.09
Z	2.91	3.63	3.92	4.71	5.25	6.09	6.77	7.09	8.07

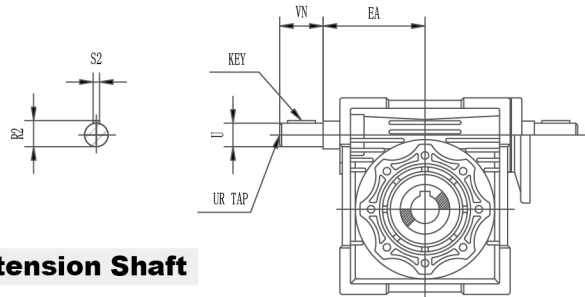
Output Flange		AA	AB	AC	AD	AF	AG	AH	AK	AL
030	FA	2.68	2.15	3.15	2.76	0.24	0.16	45°	$1.969^{+0.0015}_0$	0.26
	FB	2.95	2.64	4.33	3.74	0.28	0.16	45°	$2.362^{+0.0018}_0$	0.35
040	FB	2.95	3.82	4.33	3.74	0.28	0.16	45°	$2.362^{+0.0018}_0$	0.35
	FC	4.53	3.15	5.51	-	0.35	0.2	45°	$3.740^{+0.0021}_0$	0.37
050	FD	3.94	2.28	4.72	-	0.47	0.2	45°	$3.150^{+0.0018}_0$	0.35
	FA	3.35	3.54	4.92	4.33	0.35	0.2	45°	$2.756^{+0.0018}_0$	0.43
063	FB	3.35	4.72	4.92	4.33	0.35	0.2	45°	$2.756^{+0.0018}_0$	0.43
	FC	5.12	3.5	6.3	-	0.39	0.2	45°	$4.331^{+0.0021}_0$	0.37
075	FD	4.53	2.83	5.51	-	0.57	0.2	45°	$3.543^{+0.0021}_0$	0.43
	FA	4.13	3.23	7.09	5.59	0.39	0.24	45°	$4.528^{+0.0021}_0$	0.43
090	FB	5.91	4.41	7.09	5.59	0.39	0.24	45°	$4.528^{+0.0021}_0$	0.43
	FC	6.5	3.86	7.87	-	0.39	0.2	45°	$5.118^{+0.0025}_0$	0.43
105/110	FD	6.5	4.21	7.87	-	0.39	0.2	45°	$5.118^{+0.0025}_0$	0.43
	FE	5.12	3.17	6.3	-	0.65	0.2	45°	$4.331^{+0.0021}_0$	0.43
130	FA	6.5	4.37	7.87	6.69	0.51	0.24	45°	$5.118^{+0.0025}_0$	0.55
	FB	5.12	3.54	6.3	-	0.51	0.24	45°	$4.331^{+0.0021}_0$	0.55
150	FA	6.89	4.37	8.27	8.27	0.51	0.24	45°	$5.984^{+0.0025}_0$	0.55
	FB	8.46	4.8	9.84	-	0.71	0.24	45°	$7.087^{+0.0025}_0$	0.55
105/110	FC	6.5	4.33	7.87	-	0.67	0.24	45°	$5.118^{+0.0025}_0$	0.43
	FD	6.89	5.94	8.27	-	0.51	0.24	45°	$5.984^{+0.0025}_0$	0.55
130	FA	9.06	5.16	11.02	10.24	0.59	0.24	45°	$6.693^{+0.0025}_0$	0.55
	FB	9.06	7.09	11.02	10.24	0.59	0.24	45°	$6.693^{+0.0025}_0$	0.55
150	FA	10.04	5.51	12.6	11.42	0.59	0.24	22.5°	$7.087^{+0.0025}_0$	0.63
	FB	10.04	6.10	12.6	11.42	0.59	0.24	22.5°	$7.087^{+0.0025}_0$	0.63

Input Shaft	030	040	050	063	075	090	105/110	130	150
SB	0.094	0.125	0.1875	0.1875	0.1875	0.1875	0.25	0.25	0.3125
RB	0.42	0.55	0.7	0.83	0.96	0.96	1.24	1.36	1.51
UB	$0.375^{+0.0005}_0$	$0.5^{+0.0005}_0$	$0.625^{+0.0005}_0$	$0.75^{+0.0005}_0$	$0.875^{+0.0005}_0$	$0.875^{+0.0005}_0$	$1.125^{+0.0005}_0$	$1.25^{+0.0005}_0$	$1.375^{+0.0005}_0$
UB KEY	0.094x0.875	0.125x0.875	0.1875x1.125	0.1875x1.5	0.1875x1.875	0.1875x1.875	0.25x2.25	0.25x2.5	0.3125x2.875
UR TAP	-	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20	3/8-16	1/2-13	1/2-13
VN	1.18	1.18	1.58	1.97	2.36	2.36	2.76	3.15	3.15



11.2 VS 尺寸图

11.2 VS Dimensions charts

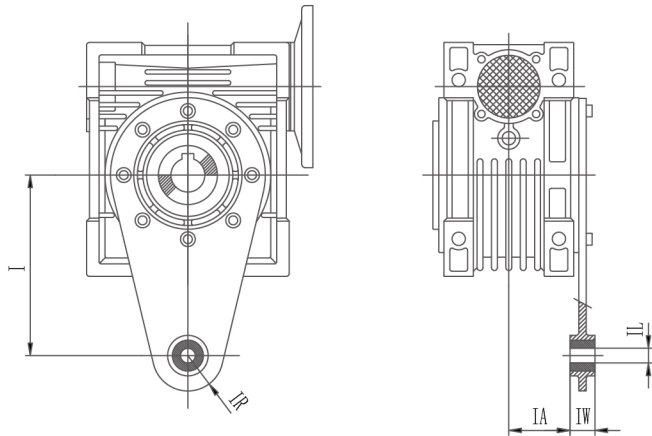


High Speed Extension Shaft

TYPE	EA	U	VN	UR	S2	R2	KEY	
							Length	Square
030	1.772	0.375 ⁰ _{-0.0005}	1.18	-	0.093	0.42	0.875	0.094
040	2.087	0.5 ⁰ _{-0.0005}	1.18	1/4-20	0.13	0.55	0.875	0.125
050	2.52	0.625 ⁰ _{-0.0005}	1.58	1/4-20	0.19	0.7	1.125	0.188
063	2.953	0.75 ⁰ _{-0.0005}	1.97	1/4-20	0.19	0.83	1.5	0.188
075	3.543	0.875 ⁰ _{-0.0005}	2.36	1/4-20	0.19	0.96	1.875	0.188
090	4.252	0.875 ⁰ _{-0.0005}	2.36	1/4-20	0.19	0.96	1.875	0.188
105/110	5.315	1.125 ⁰ _{-0.0005}	2.76	3/8-16	0.25	1.24	2.25	0.25
130	6.102	1.25 ⁰ _{-0.0005}	3.15	1/2-13	0.25	1.36	2.5	0.25
150	8.27	1.375 ⁰ _{-0.0005}	3.15	1/2-13	0.32	1.51	2.875	0.315

11.3 扭力臂

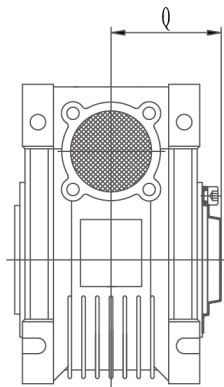
11.3 Torque Arm



TYPE	I	IA	IL	IR	IW
025	2.76	0.69	0.31	0.59	0.55
030	3.35	0.94	0.31	0.59	0.55
040	3.94	1.24	0.39	0.71	0.55
050	3.94	1.52	0.39	0.71	0.55
063	5.91	1.93	0.39	0.71	0.55
075	7.87	1.87	0.79	1.18	0.98
090	7.87	2.26	0.79	1.18	0.98
105/110	9.84	2.44	0.98	1.38	1.18
130	9.84	2.72	0.98	1.38	1.18
150	9.84	3.31	0.98	1.38	1.18

11.4 防护罩

11.4 Protective Cover



TYPE	Q
030	1.65
040	1.97
050	2.28
063	2.72
075	2.91
090	3.39
105/110	3.7
130	4.02
150	4.45



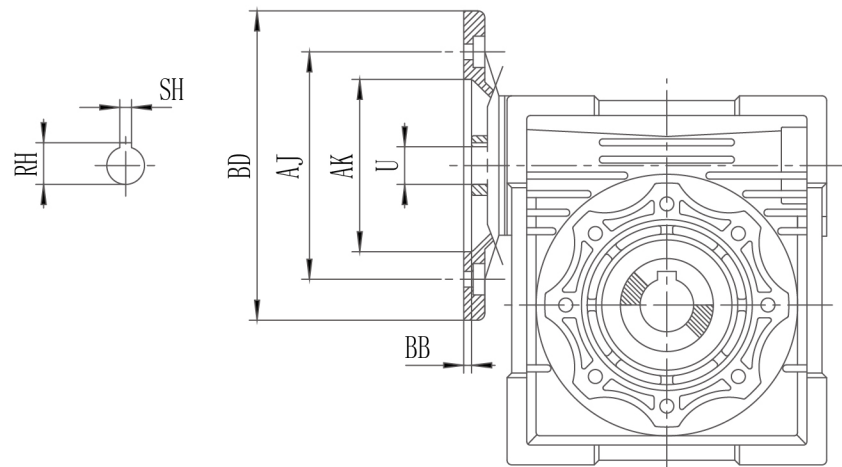
11.5 NEMA 电机组合

11.5 NEMA Flange Availability

TYPE	NEMA Flange	Input Bore Diameter	Available Ratios											
			5	7.5	10	15	20	25	30	40	50	60	80	100
030	48C	0.5	•	•	•	•	•	•	•	•	•	•	•	
040	56C	0.625	•	•	•	•	•	•	•	•	•	•	•	•
050	56C	0.625	•	•	•	•	•	•	•	•	•	•	•	•
063	56C	0.625					•	•	•	•	•	•	•	•
	140TC	0.875		•	•	•	•	•	•	•				
075	56C	0.625									•	•	•	•
	140TC	0.875				•	•	•	•	•				
	180TC	1.125		•	•	•								
090	56C	0.625											•	•
	140TC	0.875						•	•	•	•	•		
	180TC	1.125		•	•	•	•	•	•	•				
105/110	140TC	0.875									•	•	•	•
	180TC	1.125					•	•	•	•	•	•		
	210TC	1.375		•	•	•	•							
130	140TC	0.875											•	•
	180TC	1.125							•	•	•	•	•	
	210TC	1.375		•	•	•	•	•	•	•				
150	180TC	1.125							•	•	•	•	•	•
	210TC	1.375				•	•	•	•	•				
	250TC	1.625		•	•	•	•							

11.6 NEMA 电机接口

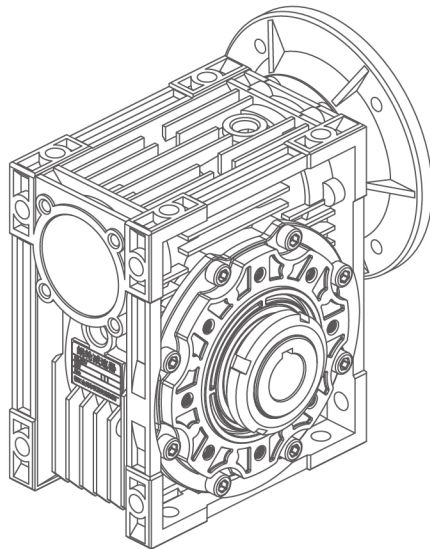
11.5 NEMA c Flange Adaptors



TYPE	NEMA Flange	DIMENSIONS						
		AK	AJ	BD	BB	RH	SH	U
030	48C	3.00	3.75	5.63	0.20	0.56	0.125	0.500
040	56C	4.50	5.88	6.50	0.20	0.71	0.188	0.625
050	56C	4.50	5.88	6.50	0.20	0.71	0.188	0.625
063	56C	4.50	5.88	6.50	0.20	0.71	0.188	0.625
	140TC	4.50	5.88	6.50	0.20	0.97	0.188	0.875
075	56C	4.50	5.88	6.50	0.20	0.71	0.188	0.625
	140TC	4.50	5.88	6.50	0.20	0.97	0.188	0.875
	180TC	8.50	7.25	9.00	0.22	1.24	0.250	1.125
090	56C	4.50	5.88	6.50	0.20	0.71	0.188	0.625
	140TC	4.50	5.88	6.50	0.20	0.97	0.188	0.875
	180TC	8.50	7.25	9.00	0.22	1.24	0.250	1.125
105 110	140TC	4.50	5.88	6.50	0.20	0.97	0.188	0.875
	180TC	8.50	7.25	9.00	0.22	1.24	0.250	1.125
	210TC	8.50	7.25	9.00	0.22	1.52	0.313	1.375
130	140TC	4.50	5.88	6.50	0.20	0.97	0.188	0.875
	180TC	8.50	7.25	9.00	0.22	1.24	0.250	1.125
	210TC	8.50	7.25	9.00	0.22	1.52	0.313	1.375
150	180TC	8.50	7.25	9.00	0.22	1.24	0.250	1.125
	210TC	8.50	7.25	9.00	0.22	1.52	0.313	1.375
	250TC	8.50	7.25	9.00	0.22	1.59	0.375	1.625

12.0 扭矩限制器

WORM GEAR UNITS WITH TORQUE LIMITER



JMRL



12.1 JMRL 特点

在油浴中的转矩限制器设计用于 040 – 050 – 063 – 075 – 090 规格。
该装置可以确保传动时避免发生高过载,高过载会损坏减速器以及动力传输零部件。

必要时,可以松开锁紧螺母来防止蜗杆减速器逆转的发生。。

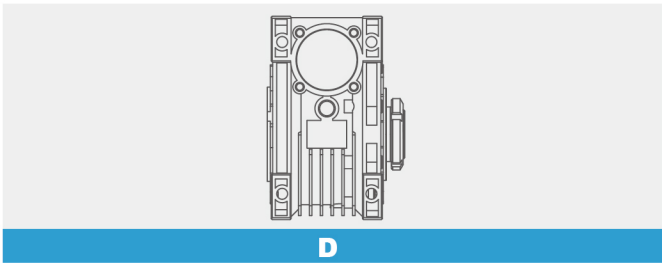
特点

- 外部尺寸几乎与不带扭矩限制器的相同。
- 安装无差别。
- 相对于标准的减速器，空心输出轴直径无差别。
- 滑移扭矩可以很方便的通过外部锁紧螺母来调整。
- 不需要对滑动零部件进行维护保养。
- 功能特点与标准版本相同。

扭矩调整

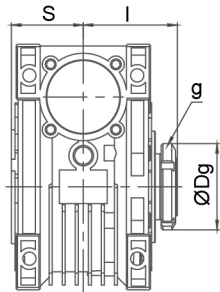
此扭矩通过摩擦力传送,有许多因素会影响调整值，如： 温度、磨合、振动等等。因此我们建议在设备上安装减速器时，用锁紧螺母按照实际需求来调整扭矩。

12.2 JMRL 方位



如无特殊说明，扭矩限制器安装在D的位置

12.3 JMRL 系列尺寸图



	040	050	063	075	090
I	55	63.5	74	78.5	89.5
S	39	46	56	60	70
Dg	45	56	62	68	80
g	M30×1.5	M40×1.5	M45×1.5	M50×1.5	M60×2
b	6	8	8	8	10
t	20.8	28.3	28.3	31.3	38.3
D	Φ18	Φ25	Φ25	Φ28	Φ35
T1	26	33	37	40	45
T2	26	33	37	40	45

有关未列尺寸详情，请参阅相关JMRV规格的图纸。

12.1 JMRL Features

The torque limiter, in oil bath, is designed for sizes 040-050-063-075-090.This device assures the protection of the transmission from accidental high overloads which could damage the gearbox and the power transmission components. If necessary, it prevents reversing conditions of the worm gear unit by opportunely loosening the lock nut.

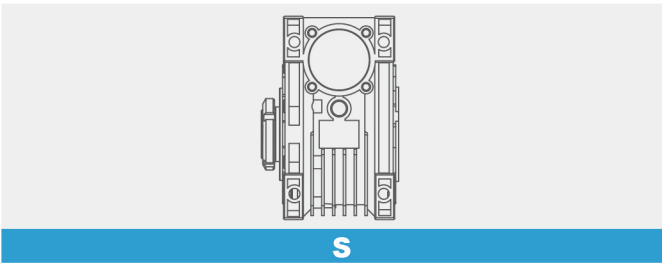
Features

- external dimensions are almost the same as the version without torque limiter.
- no difference of the mountings.
- no difference of the hollow output shaft diameter with respect to the standard gearbox.
- the slipping torque can be easily adjusted by means of an external ring nut.
- no maintenance required on slipping components.
- functional features are the same as standard version.

Torque adjustment

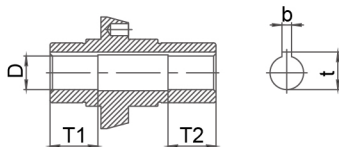
The adjustment is carried out during assembly at about 80% of the nominal torque reported in the catalogue.This torque is transmitted by friction and so many factors could influence the adjustment value, like: temperature, running-in, vibrations, etc..therefore it is advised to adjust the torque limit by means of the lock nut when installing the gearbox on the machine, in accordance to application requirements.

12.2 JMRL Versions



The torque limiter is supplied in D position,if not otherwise specified

12.3 JMRL Series dimensions charts

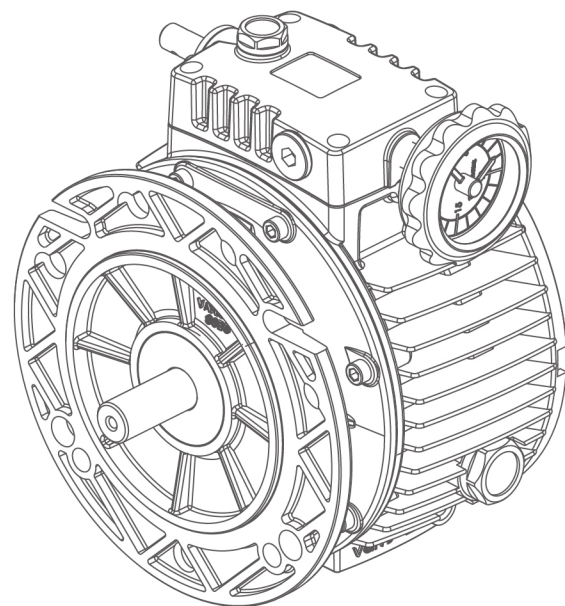


For the missing dimensions, please consider the drawing of relevant JMRV size.

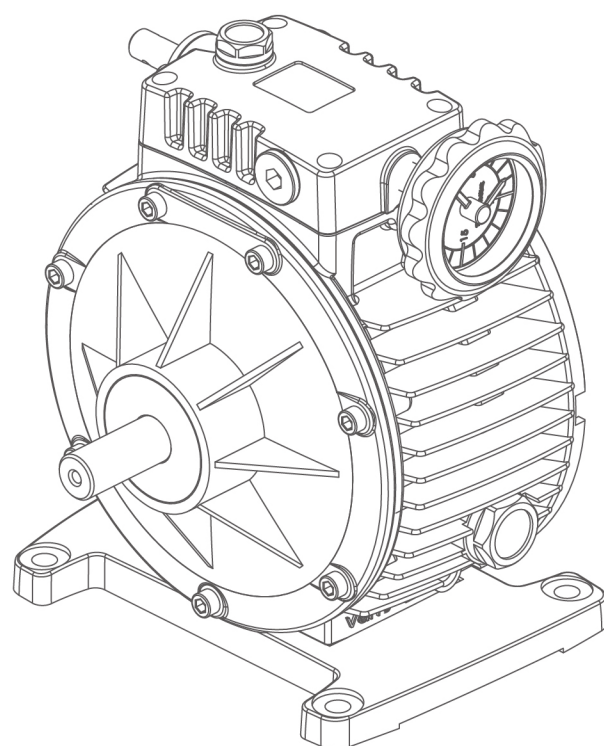


UDL 系列行星锥盘无级变速器

UDL SERIES PLANETARY CONE & DISK STEP-LESS SPEED VARIATOR



UDL..B5

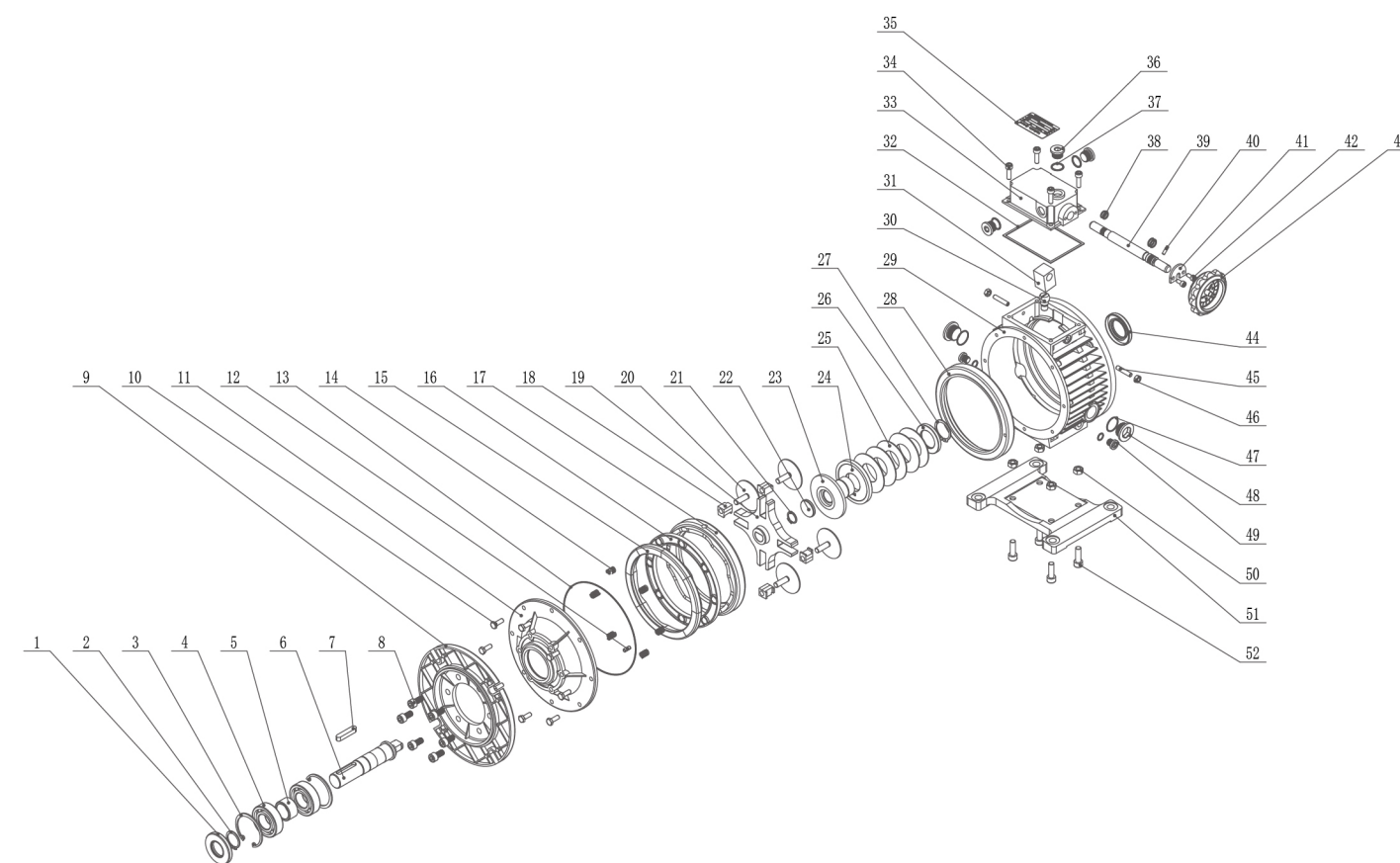


UDL..B3



1.0 结构分解图

1.0 EXPLODED VIEW



油封
Oli seal
轴用弹性挡圈
Circlip for shaft
固定外轨
Fixed annulus race
箱体
Case
球接头
Ball joint
操作块
Regulating block
橡胶垫片
Rubber gasket
顶盖
Cap
内六角圆柱头螺钉
Hexagon socket head cap screw
B5 输出法兰
B5 Output flange
六角螺栓
Hexagon Bolt
输出法兰
Output flange
圆柱销
Straight pin
O形橡胶密封圈
O-ring

弹簧
Spring
凸轮圈
Cam ring
滚珠环
Ball ring
调整轨
Adjustable annulus race
行星盘摩擦轴承
Planet disc friction bearing
行星轮架
Planet carrier
行星盘
Planet disc
轴用弹性挡圈
Circlip for shaft
油封
Oli seal
固定太阳轮
Fixed sun race
垫圈
Washer
碟形弹簧
Belleville spring
垫圈
Washer

轴用弹性挡圈
Circlip for shaft
固定外轨
Fixed annulus race
箱体
Case
球接头
Ball joint
操作块
Regulating block
橡胶垫片
Rubber gasket
顶盖
Cap
内六角圆柱头螺钉
Hexagon socket head cap screw
铭牌
Nameplate
油塞
Oil plug
橡胶垫片
Rubber gasket
O形橡胶密封圈
O-ring
调节丝杠
Regulating screw rod

圆柱销
Straight pin
卡板
Locating piece
内六角圆柱头螺钉
Hexagon socket head cap screw
手轮
Handwheel
油封
Oli seal
螺栓
Bolt
六角螺母
Hexagon nuts
橡胶垫片
Rubber gasket
油镜
Oil level indicator
油塞
Oil plug
六角螺母
Hexagon nuts
B3 底脚
B3 Foot Mount
内六角圆柱头螺钉
Hexagon socket head cap screw



2.0 产品名称

2.1 UDL 系列无级变速器

无级变速器
Stepless speed variator

安装方位
Mounting position

颜色
Color

电机
Electric motor

UDL 010 - B5 - B3 - B - Y₂0.75-4 / 1

电机接线盒位置
Position of terminal box
1, 2, 3, 4

电机极数/Poles number
2, 4, 6, 8.....

电机功率
Motor power

电机类型/Type
Y₂, YD,YVF, Y₂EJ.....

颜色/Color
B = 银灰色/Silver gray L = 蓝色/Blue

安装方位/Mounting position
B3, B6, B7, B8, V5,V6

安装类型/Mounting Type
B3: 底脚安装/Foot Mount
B5: 法兰安装/Flange Mount

无级变速器尺寸/Stepless speed variator size
002, 005, 010, 020, 030 ,050 ,100

无级变速器类型/Stepless speed variator type
UDL, UD 系列 (UDL= 铝合金壳体, UD= 铸铁壳体)
UDL, UD Series (UDL= Aluminium alloy housing, UD= Cast iron housing)

2.0 DESIGNATION

2.1 UDL Series stepless speed variator

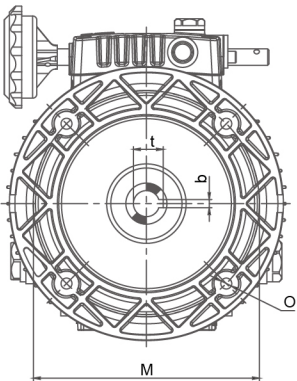
3.0 无级变速器选型表

3.1 UDL 性能参数

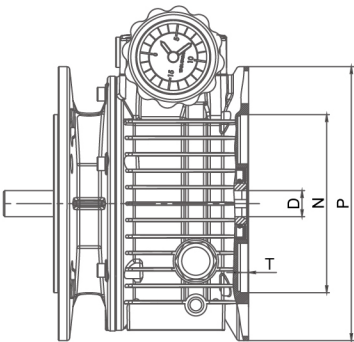
n₁=1400

P ₁ (kW)	i	机座号 TYPE	n ₂ min ⁻¹ max	n ₂ min ⁻¹ min	M ₂ Nm min	M ₂ Nm max	
0.18	1.6-8.2	UDL002	880	170	1.5	3	632-4
0.25	1.4-7	UDL005	1000	200	2	6	711-4
0.37	1.4-7	UDL005	1000	200	3	6	712-4
0.55	1.4-7	UDL010	1000	200	4.4	12	801-4
0.75	1.4-7	UDL010	1000	200	6	12	802-4
1.1	1.4-8.2	UD020	1000	170	9	18	90S-4
1.5	1.4-8.2	UD020	1000	170	12	24	90L-4
2.2	1.4-7	UD030	1000	200	18	36	100L1-4
3.0	1.4-7	UD030/050	1000	200	24	48	100L2-4
4.0	1.4-7	UD050	1000	200	32	64	112M-4
5.5	1.4-7	UD100	1000	200	45	90	132S-4
7.5	1.4-7	UD100	1000	200	59	118	132M-4

4.0 输入电机接口

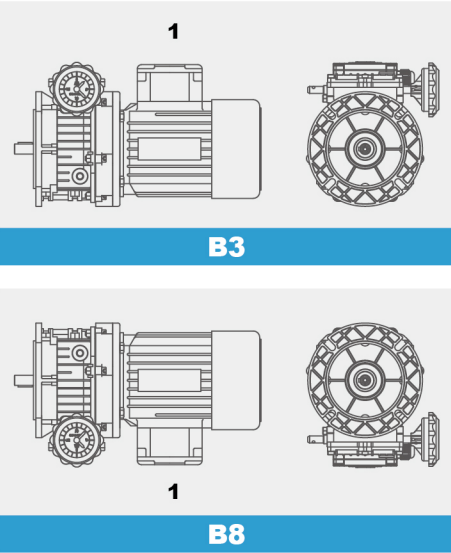


4.0 IEC MOTOR INTERFACE

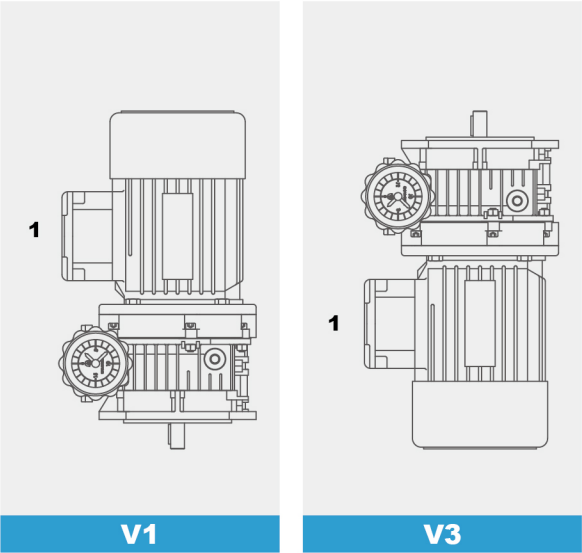


TYPE	PAM IEC	P	N _{H7}	M	O	D _{E7}	b	t	T
UDL002	63B5	140	95	115	M8	11	4	12.8	4
UDL005	71B5	160	110	130	M8	14	5	16.3	5
UDL010	80B5	200	130	165	M10	19	6	21.8	6
UD020	90B5	200	130	165	M10	24	8	27.3	6
UD030/050	100B5/112B5	250	180	215	M12	28	8	31.3	6
UD100	132B5	300	230	265	M12	38	10	41.3	6

5.0 安装方式

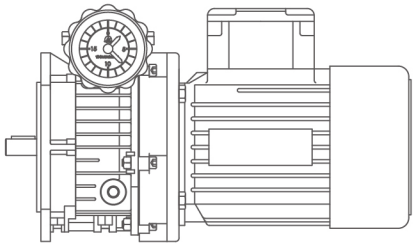


5.0 MOUNTING POSITIONS



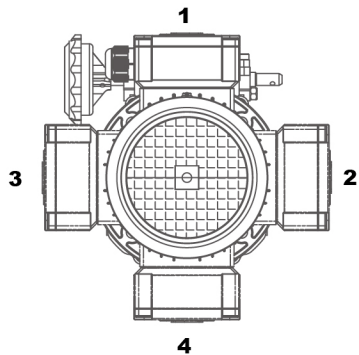
6.0 位置图

6.1 手轮位置



如没有特别说明, 手轮将按照如图1位和B3安装方位的组合样式供货。

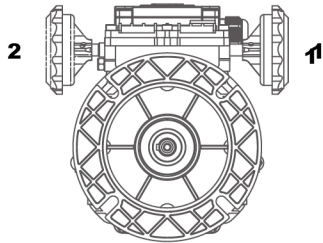
6.2 电机接线盒方位



如对电机接线盒位置有特别要求, 在下单时按图示注明方位。

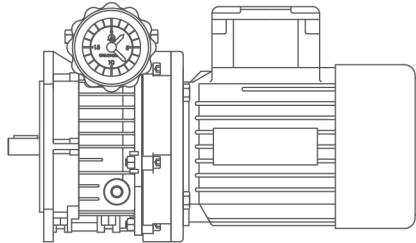
6.0 POSITIONS DIAGRAM

6.1 Hand-wheel position



Unless specified otherwise,the variator is supplied with the hand-whell in pos. 1 referred to position B3.

6.2 POS. of terminal box



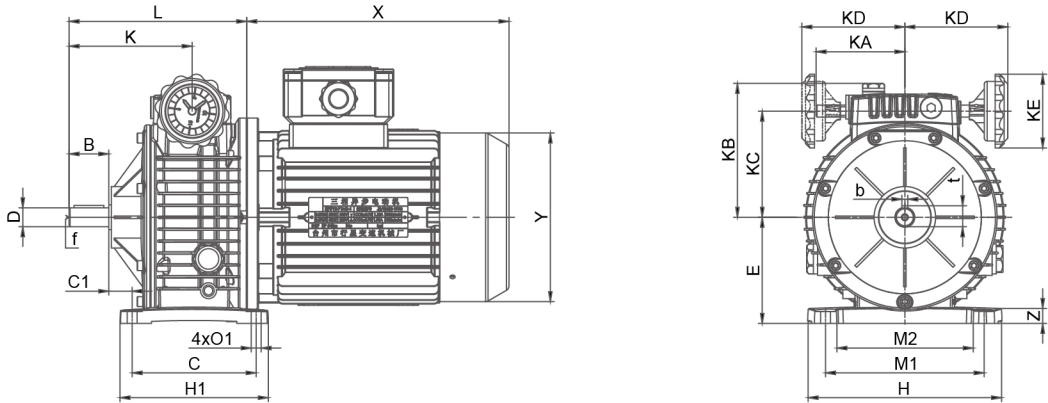
In the case of specific requirements,when ordering,specify the position of the terminal box as show in the diagram.



7.0 无级变速器尺寸图

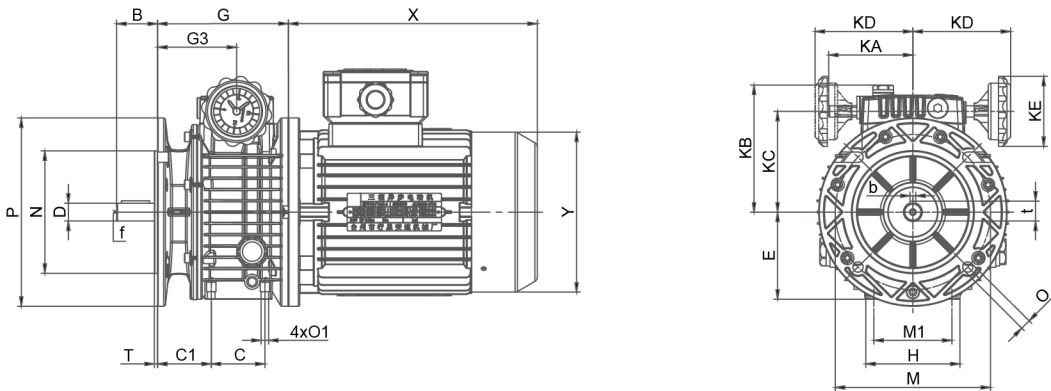
7.1 UDL 系列尺寸图

UDL - B3



TYPE	B	Dj6	C	C1	E	H	H1	K	L	M1	M2	O1	KA	KB	KC	KD	KD1	KE	b	t	f	X	Y	Z
UDL002B3-0.18	23	11	105	17.5	80	145	120	87	134.5	110	71	9	71	113	78	113	113	70	4	12.5	M5	207	130	10
UDL005B3-0.25	30	14	104	19.5	93	149	125	102	138.5	120	96	9	71	125	91	113	113	70	5	16	M5	225	145	10
UDL005B3-0.37																								
UDL010B3-0.55																								
UDL010B3-0.75	40	19	125	35	113	190	150	127.5	183.5	160	135	11	79	142	107	120	120	85	6	21.5	M6	255	175	15
UD020B3-1.1	50	24	140	49	125	230	170	154	221.5	180	130	13	-	148	127	140	-	85	8	27	M8	270	195	18
UD020B3-1.5																						295	195	
UD030B3-2.2																								
UD030/050B3-3.0	60	28	230	25	150	300	270	191	282	245	190	14	-	181	158	150	-	120	8	31	M8	325	215	25
UD050B3-4.0																						340	240	
UD100B3-5.5																						390	275	
UD100B3-7.5	80	38	250	32	200	365	290	200	333	315	225	18	-	218	193	182	-	120	10	41	M10	430	275	30

UDL - B5



TYPE	B	Dj6	C	G	G3	E	H	M	M1	N	O	O1	P	T	C1	KA	KB	KC	KD	KD1	KE	b	t	f	X	Y
UDL002B5-0.18	23	11	50	111.5	64	70	72	115	60	95	9	M6	140	3.5	46	75	113	78	113	113	70	4	12.5	M5	207	130
UDL005B5-0.25	30	14	40	108	71.5	80	90	130	77	110	9	M8	160	3.5	51.5	75	125	91	113	113	70	5	16	M5	225	145
UDL005B5-0.37																										
UDL010B5-0.55	40	19	58	143.5	87.5	100	98	165	84	130	11	M8	200	3.5	62	82.5	142	107	120	120	85	6	21.5	M6	255	175
UDL010B5-0.75																										
UD020B5-1.1	50	24	-	174	106.5	111	230	165	-	130	11	-	200	3.5	-	108.5	148	127	140	-	85	8	27	M8	270	195
UD020B5-1.5																									295	195
UD030B5-2.2	60	28	-	222	131	136	265	215	-	180	15	-	250	4	-	131	181	158	150	-	120	8	31	M8	325	215
UD030/050B5-3.0																									340	240
UD050B5-4.0																									390	275
UD100B5-5.5	80	38	-	263	130	185	-	265	-	230	19	-	300	4	-	163	218	193	182	-	120	10	41	M10	430	275
UD100B5-7.5																									430	275