



智融科技
ZHIRONG TECHNOLOGY

Motion Dynamics
Direct Drive Motor

做中国最专业的定制电机供应商

深圳市智融自动化科技有限公司

Shenzhen Zhirong Automation Technology Co., Ltd

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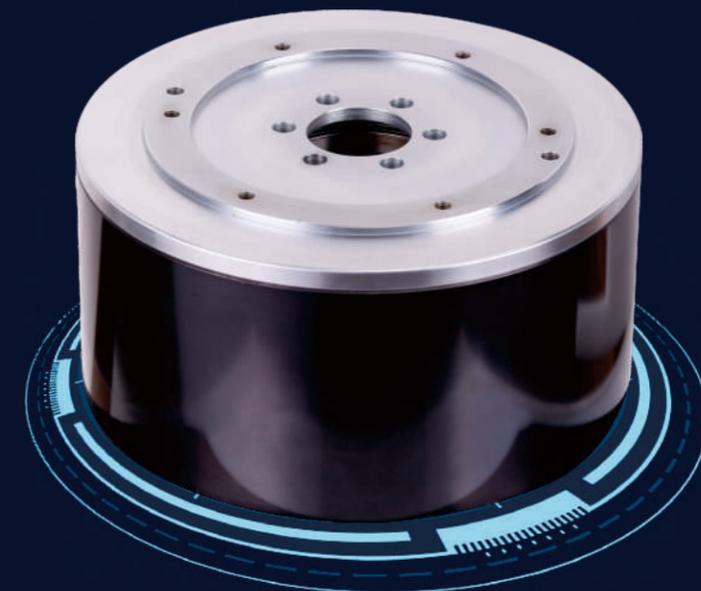
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ABOUT US

关于我们



深圳市智融自动化科技有限公司位于中国深圳，产品技术源于德国，是一家拥有自主知识产权的高新技术企业，专注于直驱电机的研发、生产、定制、销售和服务。

对于先进的制造行业，智融为客户提供高品质的直驱电机系列产品。产品广泛应用于自动检测设备、LED设备、3C设备、机床及半导体设备、自动化装配、转盘丝印设备、新能源电池、医疗器械等高端智能设备。

自2016年以来，经过多年的沉淀和应用技术创新，先后研发80余种DD马达，获得15项发明、实用新型专利，为国内多家设备上市公司提供定制化成功案例，公司可以高效的为不同行业的客户提供高稳定性的直接驱动控制解决方案，使直接驱动运动控制技术与各行各业自动化技术实现完美的连接，我们一直致力于做设备厂用得起的DD，让世界了解中国电机，为客户提供“高品质、高性能、高性价比”的产品，成为高端智能自动化设备制造商的优质供应商。

ZRT located in ShenZhen of China which is a high-tech enterprise with independent intellectual property rights, focusing on the development, production, customization, sales and service of direct drive motors.

For the advanced manufacturing industry, ZRT provides customers with high-quality direct driver motor series products. The products are widely used in Automated Optical Inspection machine, Automatic check equipment, LED equipment, 3C equipment, machine tools and Semiconductor Machine, Automatic Assembly, Rotary screen printing machine, New energy batteries, medical instruments, substitute CAM divider and reduction gears and other intelligent equipment.

Since 2016, after years of precipitation and application technology innovation, successively as developed more than 80 types of motor, we has obtained 15 inventions and utility model patents, for lots of domestic equipment listed companies to provide customized successful cases, our company can be efficient for customers of different industries to provide high stability of direct driving control solution, make direct driving motion control technology and automation technology in all walks of life to achieve perfect connection. We have been committed to let the world know about China DD motor, to provide customers with the policy of "high quality, high performance, high cost performance", become high-end intelligent automation equipment manufacturers of quality suppliers.





R&D CENTER 研发部门

Progress and innovation 精进前行 创新不止

智融汇聚行业高端人才, 构建实力雄厚的研发团队, 成就多项专利和新产品研发, 多个生产车间及高端的研发设备, 严格的质量管控体系, 科学严谨, 创新成就, 不断超越, 打造智融铨实品牌。

ZRT gathers high-end talents in the industry, builds a strong R & D team, and achieves a number of patents and new achievements Product research and development, a number of production workshops and high-end RESEARCH and development equipment, strict quality control system, scientific and strict sincerely, innovative achievements, and constantly beyond, to create a smart and pragmatic brand.



PRODUCTION DEPARTMENT 生产部门



High productivity
High performance
high-precision

高产能 高性能 高精度

公司引进国际先进生产设备,已构建了先进的自动化生产线等,确保了生产的产品稳定性好,生产效率高,精密度高,通过优化工艺提高制造一流的产品,为创一流企业,树行业品牌奠定了基础。

ZRT has introduced international advanced production equipment and built advanced automatic production lines to ensure good product stability, fast production efficiency and high precision. By optimizing the process, to improve the manufacturing of first-class products, which has laid a foundation for creating a first-class enterprise and building an industry brand.



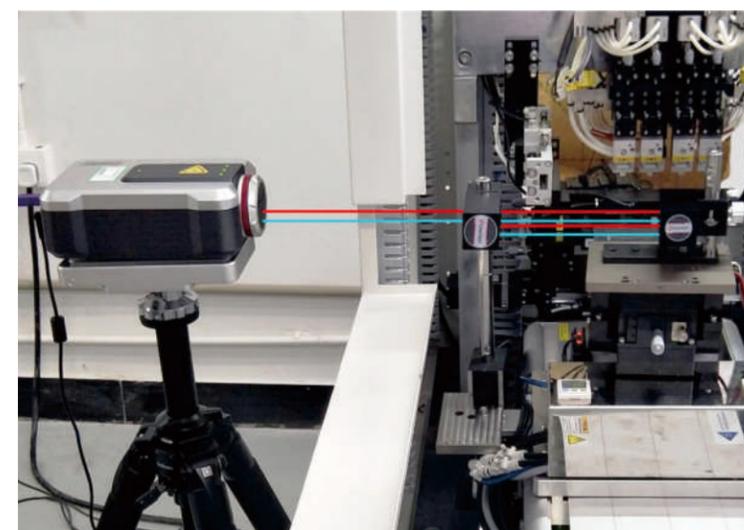
QC DEPARTMENT.

检验部门

Keep improving quality control
品质管控 精益求精

我们有一支专业的品质管理团队,运用科学的品质管理标准,借助“激光干涉仪、二次元、三坐标、高度仪、投影仪”等先进的检测设备,对产品在各个环节的质量实行严格管控,每一个产品都需要通过60个检测标准要求,确保为客户提供高品质、高精度、高性能、高稳定性的优质产品。

We have a professional quality management team, which use scientific quality management standards and Advanced testing equipment,with such as "laser interferometer, quadratic element, three coordinates, Highly instrument, projector" and so on to strictly control the quality of products in each link,each product is required to pass 60 test standards to ensure customer satisfaction for high quality, high precision, high performance, high stability of quality products.



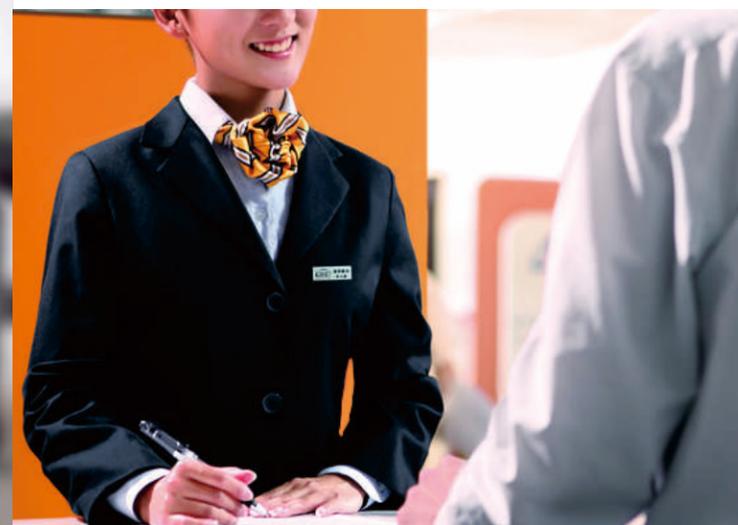


AFTER-SALE SERVICE 售后服务

Customer first and considerate service
客户至上 贴心服务

完善客户服务质量,精心打造一支专业贴心的售后服务团队,耐心听取客户诉求并及时作出响应是每个智融人的职责,灵活调度和迅速解决问题是我们与客户密切合作的基础,不断改善产品体系和服务流程,并超出客户期望是我们的服务宗旨。

It is the responsibility of every ZRT person to improve customer service quality, carefully build a professional and considerate after-sales service team, patiently listen to customer demands and respond in time. Flexible scheduling and rapid problem solving are the basis of our close cooperation with customers. Our service purpose is to continuously improve product system and service process and exceed customer expectations.





做中国最专业的定制电机供应商
Be The Most Professional Customized
Motor Supplier In China



为客户创造价值;为员工创造收益,为股东创造利润
Create Value For Customers; Create Benefits For
Employees And Profits For Shareholders



持续创新,专一诚信,以人为本,
快乐工作,正道直行,合作双赢
Continuous Innovation, Integrity, People-oriented,
Happy Work, Straight Line, Win-win Cooperation



用智慧融合直驱技术,
持续为高端自动化设备升级
Continuously Upgrade High-end Automation
Equipment with Intelligent Integration of
Direct Drive Technology



客户第一,员工第二,股东第三
Customers first, employees second and shareholders third

做一家有广度, 有深度, 有温度的公司

Be A Company With Breadth,
Depth And Warm



CERTIFICATE OF PATENT

专利证书



7 year precipitation

七年努力 成就智融

2016年

- 智融科技于2016年在中国深圳成立, 技术源自德国和中国华南理工大学
- 智融和清华大学华为MATE1 合作的摄像头检测项目成功研发并投入使用
- ZRT was founded in Shenzhen of China in 2016 which technology from Germany and South China University of Technology
- ZRT has successfully developed and put into use the camera detection project cooperated with Tsinghua University HuaWei MATE1

2017年

- 智融科技开启了专注于高精度电机的研发与产业化的道路, 为检测行业设备发明并量身定制ZRDDR-150140产品
- ZRT has started to focus on the development and industrialization of high precision motors, Inventing and customizing ZRDDR-150140 products for Automated Optical Inspection machine

2018年

- 智融科技为机床行业开发定制ZRDDR-210290产品, 并在检测行业产品年销售达到500台
- ZRT develops customized ZRDDR-210290 products for the machine tool industry, and the annual sales of products in the Automated Optical Inspection machine has reached 500 pcs



2019年

- 智融科技检测行业产品华南市场占有率达80%;
- 同期大力开拓华东市场, 服务网络全国化。同期老客户返单率达91%, 约71.3%的订单来自口碑;
- ZRT's Optical screening machine direct driver motor products in South China market occupancy of 80%;
- At the same time, vigorously develop the east China market, service network nationwide. In the same period, the rate of returning orders from old customers reached 91%, and about 71.3% of orders came from word of mouth.

2020年

- 智融科技为多家国内上市公司提供定制化成功案例, 成熟稳定的产品运行让客户设备远销到欧洲, 美国和东南亚
- ZRT provided customized successful cases for a number of domestic listed companies. Our mature and stable product operation enables our customers' equipment to be exported to Europe, the United States and Southeast Asia

2021年

- 智融科技通过提供高品质, 稳定的DD马达系列产品广泛应用于微精密激光加工设备, LED设备, 3C设备, 检测设备, 机床等智能装备领域
- 同期检测设备DD马达成熟稳定的应用案例破10000台大关
- ZRT through providing high quality, stable DD motor series products are widely used in micro precision laser processing equipment, LED equipment, 3C equipment, Automated Optical Inspection machine, machine tools and other intelligent equipment fields
- In the same period, the mature and stable application cases of DD motor of Automated Optical Inspection machine exceeded 10000 sets

2022年

- 以创新赢主动、赢优势、赢未来
- Win initiative, advantage and future with innovation

CHOICE REASON
选择 智融的
大理由



7年只专注于DD马达研发,生产与销售
ZRT only focus on DD motor R&D,production and sales for 7years



价格合理,企业发心:致力于DD马达国产化,做让设备厂用的起的DD马达,让世界了解中国电机
Reasonable price, enterprise initiative: committed to DD motor localization,make DD motor that equipment factory can afford, let the world to know the china motor



一对一24小时提供研发定制方案,3天出图,选型,10天出样机;
One to one 24 hours to provide research and development customized program, 3 days out of the drawing and selection, 10 days out of prototype;



24小时响应,服务网络全国化;
24-hour response, service network nationwide;



每一个产品60道以上的检测,精工细作,确保客户傻瓜安装,零维护
Each product of more than 60 inspection, seiko meticulous work, to ensure that customers fool installation, zero maintenance



老客户返单率达91%,约71.3%的订单来自口碑;
The rate of returning orders from old customers reached 91%, and about 71.3% of orders came from word of mouth.



用智慧融合直驱技术,为您的设备升级量身定制运动控制方案;
With intelligent integration of direct drive technology,tailored motion control scheme for your equipment upgrades;



不断突破迭代,持续改进升级每一个产品性能
Continuous breakthrough iteration, continuous improvement and upgrading of each product performance



每一个解决方案的成功，都来自对原始设备制造商所面临困难的深刻理解。

THE SUCCESS OF EACH SOLUTION COMES FROM A DEEP UNDERSTANDING OF THE DIFFICULTIES FACED BY OEMS.

随着市场需求的不断增加，原始设备制造商在每个运营周期中都面临越来越大的压力。客户不仅要考虑时间限制，而且要提升产品性能，甚至在制造当前产品的同时就要考虑下一代机器应该解决的问题。在实现高期望值的同时，却要缩减预算。智融为客户提供新式运动解决方案和全面高品质产品，帮助工程师化解上述难题，同时生产出真正有特色的机器。

因为运动功能至关重要，所以它也是我们的工作重点。运动功能可以凸显一个机器的特点，通过提升机器的性能使其在市场上具有竞争力。使用这种机器，可以提高整个系统的效率。设计完善的机器运动功能不仅能够提高机器的可靠性和效率，而且还能提高准确性和操作者安全。运动功能还具有无限的可创新空间。对这一点我们始终非常清晰，因而在不断发展的核心产品中一直高度关注运动功能，致力于为采用复杂运动机制的机器提高精确的速度，精度和位置控制。

With the increasing market demand, original equipment manufacturers are facing increasing pressure in each operation cycle. Customers should not only consider time constraints, but also improve product performance. Even when manufacturing current products, they should consider the problems that should be solved by the next generation of machines. Achieve high expectations while reducing budgets. ZRT provides customers with new sports solutions and comprehensive high-quality products to help engineers solve the above problems and produce truly distinctive machines at the same time. Because motor function is very important, it is also our focus. Motion function can highlight the characteristics of a machine and make it competitive in the market by improving the performance of the machine. Using this machine can improve the efficiency of the whole system. The well-designed machine motion function can not only improve the reliability and efficiency of the machine, but also improve the accuracy and operator safety. The motion function also has unlimited room for innovation. We have always been very clear about this. Therefore, we have always paid great attention to the motion function in the developing core products, and are committed to improving the accurate speed, accuracy and position control of machines with complex motion mechanism.

克服设计，采购和时间障碍

OVERCOME DESIGN, PROCUREMENT AND TIME BARRIERS

智融很懂得：如果能够帮助原始设备制造商的工程师克服遇到的障碍，就可以显著提高其工作效率，因而我们通过如下几个方式来帮助他们：

ZRT knows that if we can help OEM engineers overcome the obstacles they encounter, they can significantly improve their work effectiveness. Therefore, we help them in the following ways:

集成标准和定制产品

INTEGRATE STANDARD AND CUSTOMIZED PRODUCTS

在很多情况下，最佳方案都不是一成不变的。我们拥有专业的应用知识，可以根据全面的产品组合来修改标准产品或开放全定制解决方案，从而为设计奠定良好基础。

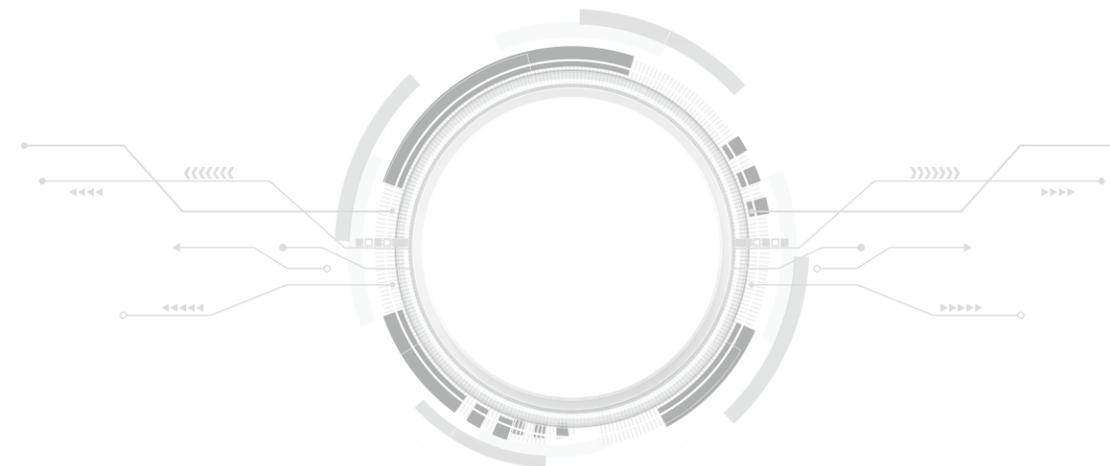
In many cases, the best solution is not invariable. We have professional application knowledge and can modify standard products or open and fully customized solutions according to a comprehensive product portfolio, so as to lay a good foundation for design.

提供运动解决方案而不仅仅是部件

PROVIDE MOTION SOLUTIONS, NOT JUST COMPONENTS

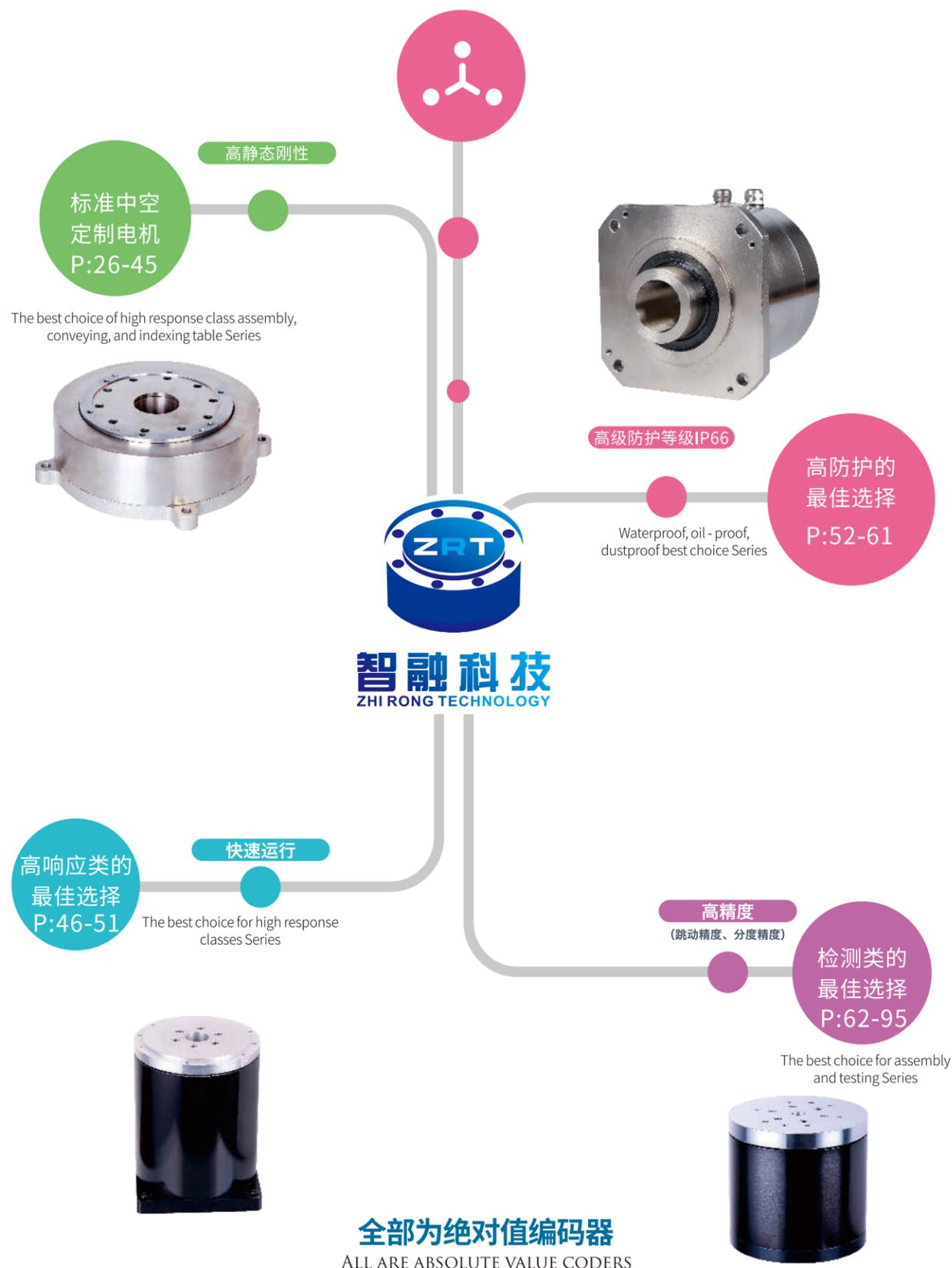
在各公司减少供应商数量和工程人力的过程中，客户需要一家能够提供多种解决方案的供应商，智融就采用了全响应模式，为客户提供全套解决方案，这些方案将编程软件，工程服务及同类最佳的运动部件结合起来。

In the process of reducing the number of suppliers and engineering manpower, customers need a supplier that can provide a variety of solutions. ZRT adopts the full response mode to provide customers with a full set of solutions. These solutions combine programming software, engineering services and the best moving parts of the same kind.



可根据用途和应用场合的选择

CAN BE SELECTED ACCORDING TO THE USE AND APPLICATION



标准中空定制电机

FOR STANDARD HOLLOW TABLE

! 非常适用于要求大惯量负载时也需要稳定旋转的设备

使用例

- 切割设备 / ■FPD贴合设备 / ■网版印刷设备 / ■FPD检查设备 /
- 晶圆切割设备 / ■包装设备 / ■晶圆加工设备 / ■晶圆检测设备 /
- X射线分析仪 / ■PE印刷设备 / ■精密加工设备和测量设备 / ■压铸机

大惯量负载旋转驱动：
FPD旋转, 对准设备, 检测设备

- 在大惯性负载时可稳定运行
- 高精度定位
- 结构简单, 节省空间

高精度辊驱动：
辊式涂布机, PE印刷机等

- 高精度定位
- 速度稳定性

滚珠丝杆驱动：
压铸机, 伺服压力机等

- 高响应运行
- 因为是中空结构, 使设备简单化
- 因为没有用油压, 所以提高了环境性和安全性

高响应类的最佳选择

THE BEST CHOICE FOR HIGH RESPONSE CLASSES SERIES

! 适合于要求高速并且高精度的设备

使用例

- 贴片机
- 分类机
- 旋转镀膜机
- 旋转清洗机

高速定位例

90deg定位时间: **36msec**

180deg定位时间: **60msec**

臂尖的精度: $\pm 4 \mu m$ (完成范围: ± 10 脉冲)

高速拾取和放置驱动：
贴片机、分类机

- 提高节拍
- 高精度定位
- 结构简单, 节省空间

90deg快速定位 180deg快速定位

旋转驱动：
旋转镀膜机、
旋转清洗机

- 速度稳定性
- 简单构造
- 高加速度

高速旋转动作

全部为绝对值编码器
ALL ARE ABSOLUTE VALUE CODERS



标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-8067-3-300-YD-15

电机允许连续运转速度可达1000rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

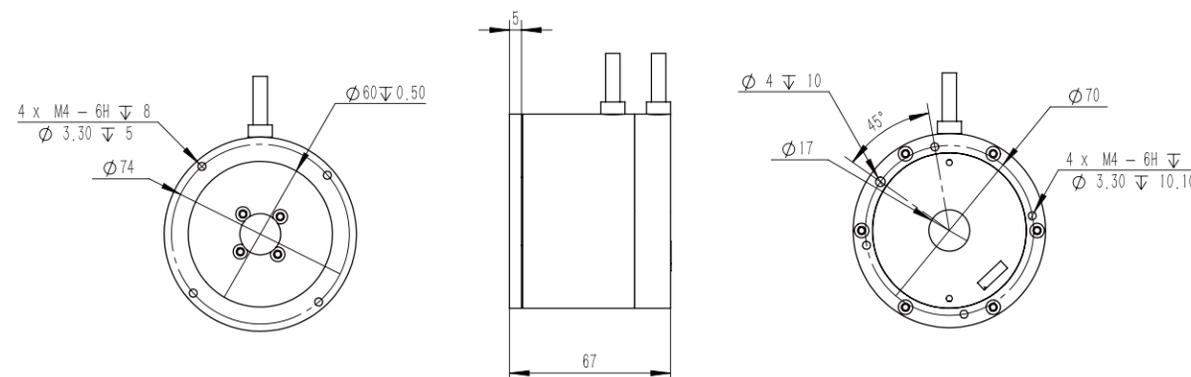
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位(unit)	型号(Model)
				ZRDDR-8067-3-300-YD-15
尺寸 Specs	高度	Height	mm	67
	直径	Diameter	mm	80
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	3
	连续输出扭矩	Continuous output torque	Nm	1
	峰值电流	Peak current	Arms	7
	连续电流	Continuous current	Arms	2.5
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	100
	线电阻	Line resistance	Ω	2
	线电感	The line inductance	MH	6
	转矩常数	Torque constant	Nm/arms	1.5
	电机极数	Pole Number	-	20
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	±15
重复定位精度		Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm ²	0.0006
	允许轴向负荷压缩力	Allowable axial load	N	2800
	允许径向负荷	Allowable radial load	N	2800
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	1.263
	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

以上技术参数仅供参考, 实际根据客户提供的数据, 会出具相关的技术参数及尺寸。
The above technical parameters are for reference only. According to the data provided by the customer, the relevant technical parameters and dimensions will be issued.

标准中空定制电机
The best choice of high response classes series
conveying and handling table Series

防水、防油、防尘的最佳选择
Waterproof, oil-proof, dustproof best choice Series

高响应类的最佳选择
The best choice for high response classes Series

组装、检测的最佳选择
The best choice for assembly and testing Series



标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-12065-6-500-YD-15

电机允许连续运转速度可达1000rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差表中, 如无明确说明则表示220-230VAC电源

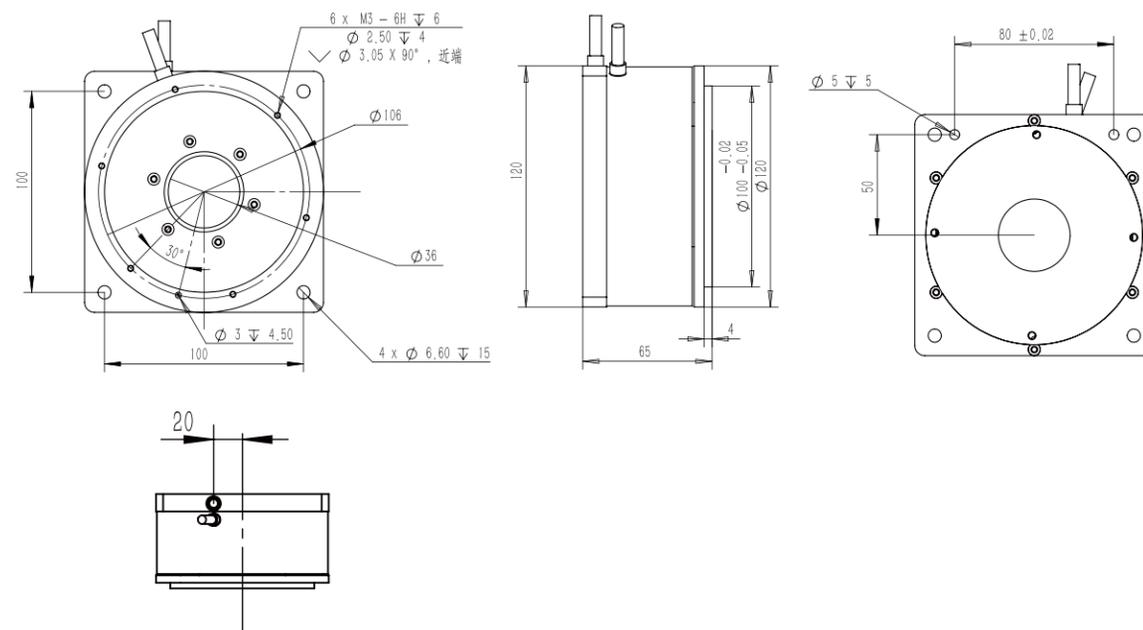
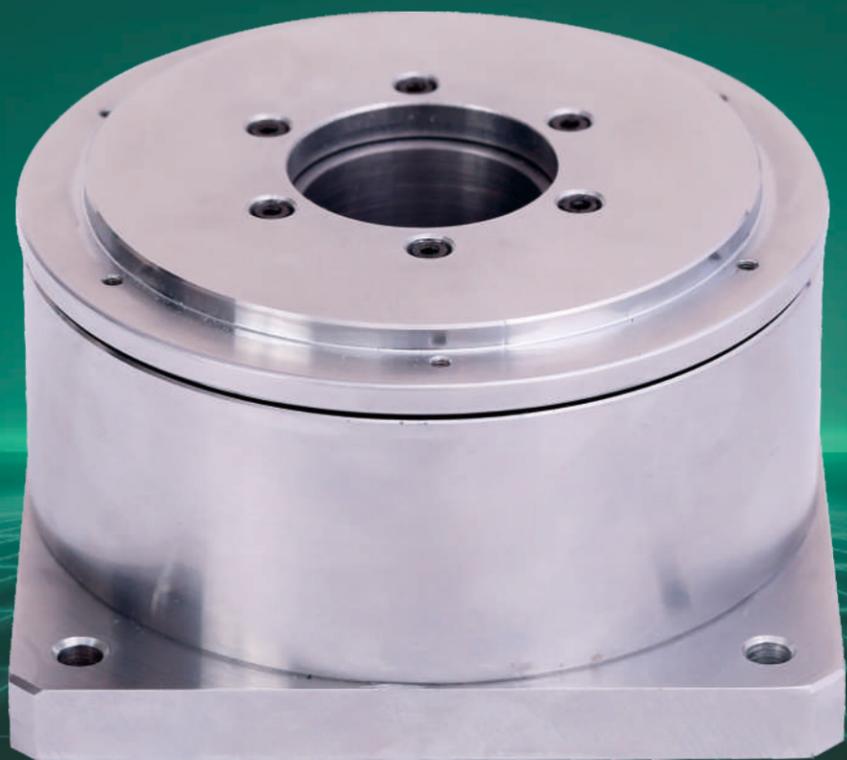
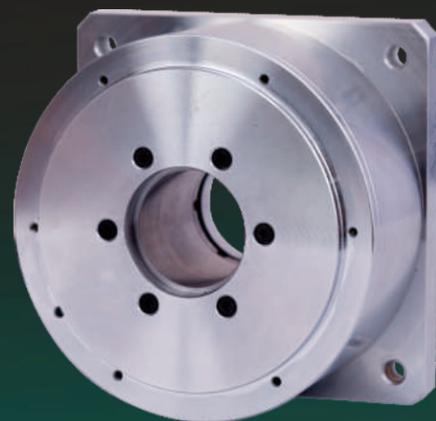
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-12065-6-500-YD-15
尺寸 Specs	高度	Height	mm	65
	直径	Diameter	mm	120
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	6
	连续输出扭矩	Continuous output torque	Nm	2
	峰值电流	Peak current	Arms	6
	连续电流	Continuous current	Arms	2.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	300
	线电阻	Line resistance	Ω	2
	线电感	The line inductance	MH	6
	转矩常数	Torque constant	Nm/arms	1.5
	电机极数	Pole Number	-	20
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	±15
重复定位精度		Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm ²	0.003
	允许轴向负荷压缩力	Allowable axial load	N	2800
	允许径向负荷	Allowable radial load	N	2800
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	3.273
	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

以上技术参数仅供参考, 实际根据客户提供的数据, 会出具相关的技术参数及尺寸。
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标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-14045-6-300-YD-15

电机允许连续运转速度可达1000rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差表中, 如无明确说明则表示220-230VAC电源

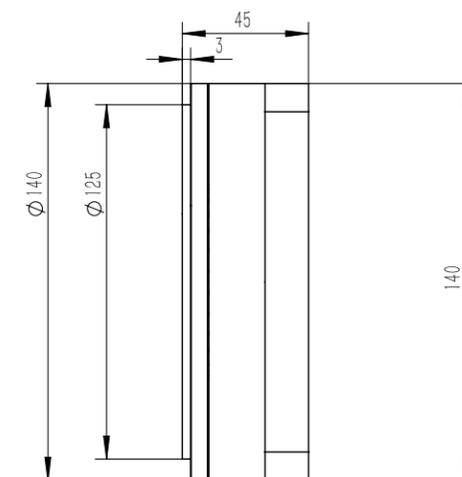
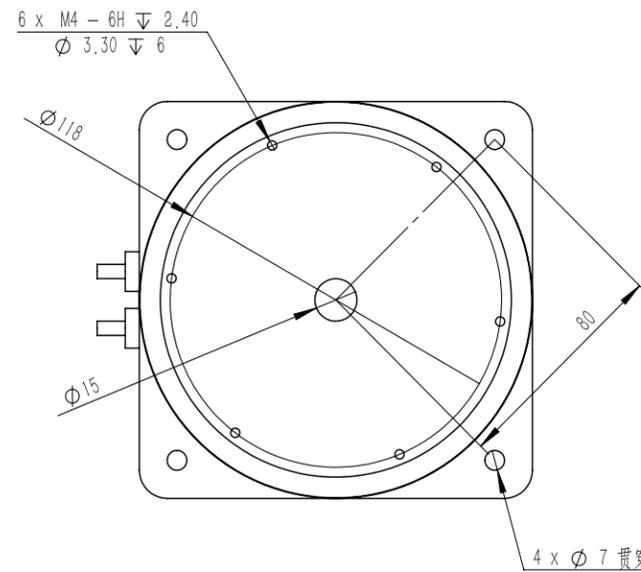
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-14045-6-300-YD-15
尺寸 Specs	高度	Height	mm	45
	直径	Diameter	mm	140
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	6
	连续输出扭矩	Continuous output torque	Nm	2.5
	峰值电流	Peak current	Arms	6
	连续电流	Continuous current	Arms	2.5
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	100
	线电阻	Line resistance	Ω	2
	线电感	The line inductance	MH	6
	转矩常数	Torque constant	Nm/arms	1
	电机极数	Pole Number	-	20
定位精度	编码器分辨率	Encoder resolution	pluse/rev	524288/1048576
	绝对定位精度	Absolute positioning accuracy	arc-sec	±15
	重复定位精度	Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm ²	0.0049
	允许轴向负荷压缩力	Allowable axial load	N	2800
	允许径向负荷	Allowable radial load	N	2800
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	3.4
	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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标准中空定制电机
The best choice of high response classes series
conveying and in bearing table Series

防水、防油、防尘的最佳选择
Waterproof, oil-proof, dustproof best choice Series

高响应的最佳选择
The best choice for high response classes Series

组装、检测的最佳选择
The best choice for assembly and testing Series



标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-16850-12-300-YD-30

电机允许连续运转速度可达300rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

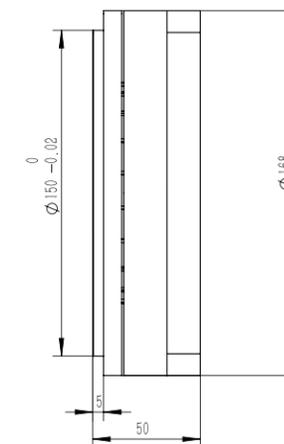
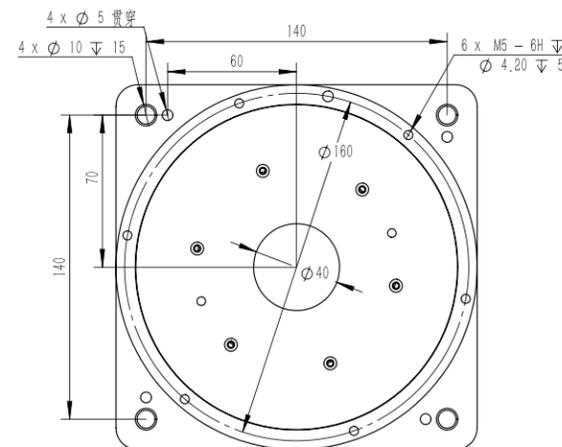
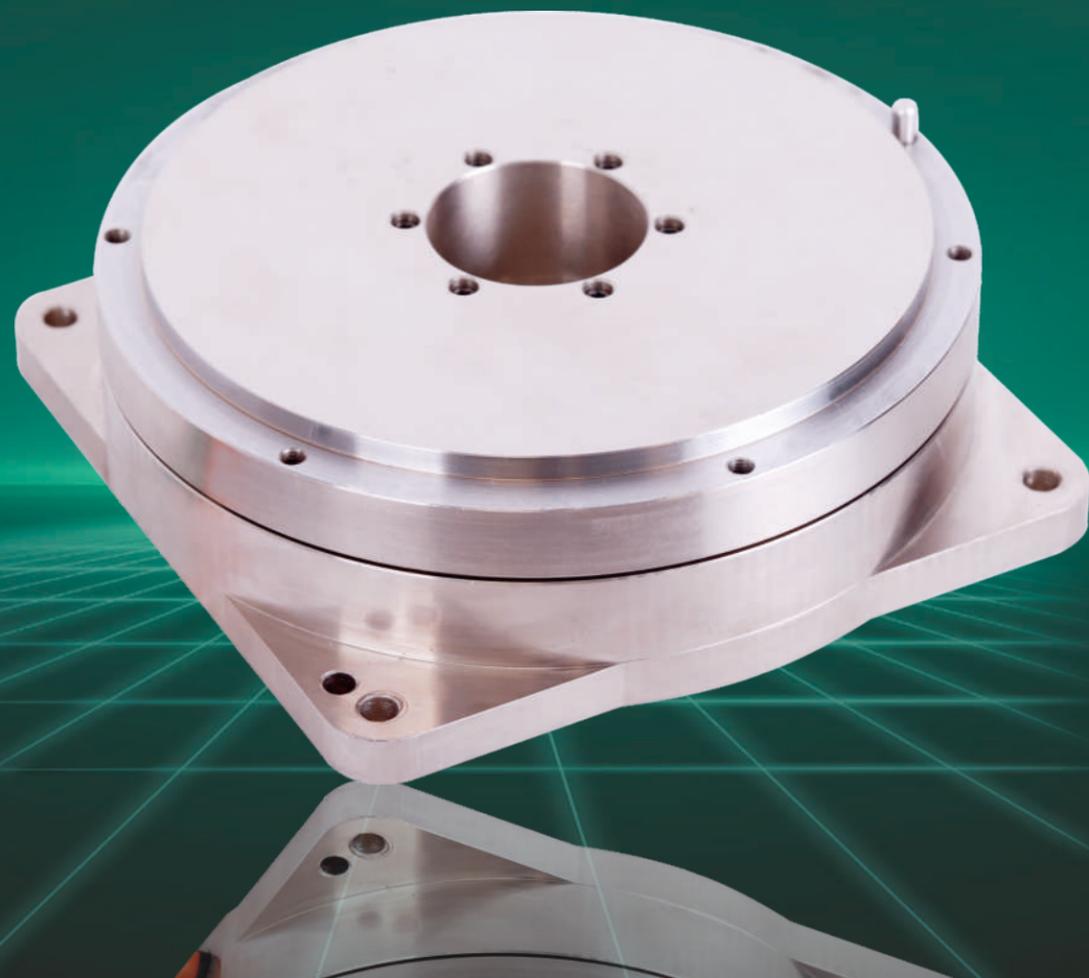
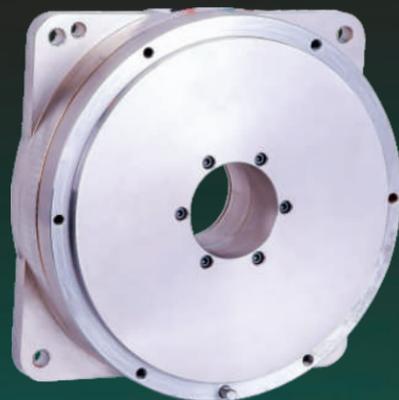
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位(unit)	型号(Model)
				ZRDDR-16850-12-300-YD-30
尺寸 Specs	高度	Height	mm	50
	直径	Diameter	mm	168
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	12
	连续输出扭矩	Continuous output torque	Nm	4
	峰值电流	Peak current	Arms	7
	连续电流	Continuous current	Arms	2.5
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	100
	线电阻	Line resistance	Ω	4
	线电感	The line inductance	MH	15
	转矩常数	Torque constant	Nm/arms	1.5
	电机极数	Pole Number	-	20
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	±15
重复定位精度		Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm^2	0.012
	允许轴向负荷压缩力	Allowable axial load	N	8000
	允许径向负荷	Allowable radial load	N	8000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	5.306
	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-16895-55-300-YD-40

电机允许连续运转速度可达300rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差
表中, 如无明确说明则表示220-230VAC电源

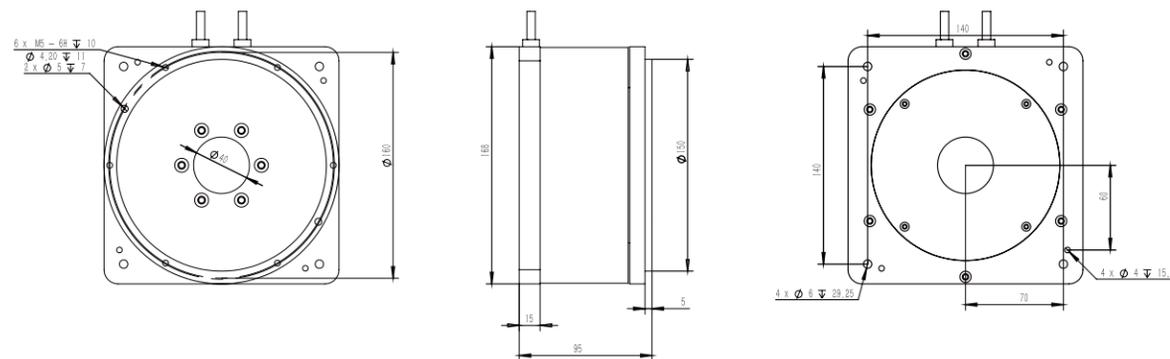
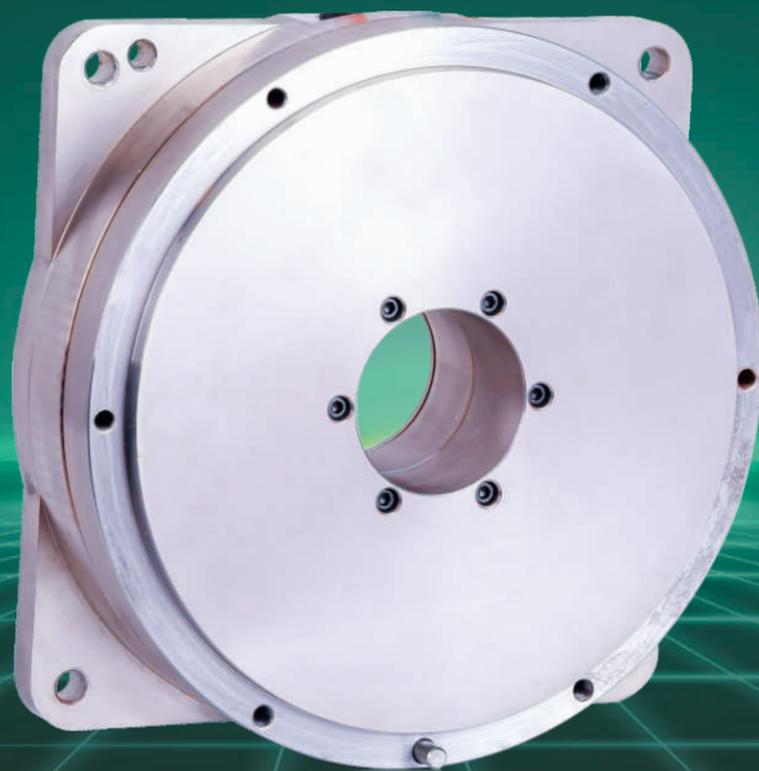
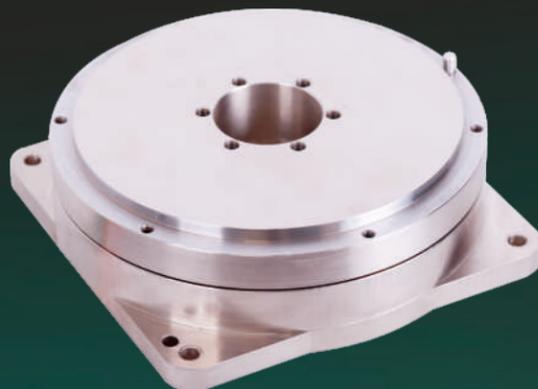
The motor allows continuous running speed up to 300rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-16895-55-300-YD-40
尺寸 Specs	高度	Height	mm	95
	直径	Diameter	mm	168
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	55
	连续输出扭矩	Continuous output torque	Nm	18
	峰值电流	Peak current	Arms	9
	连续电流	Continuous current	Arms	3
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	120
	线电阻	Line resistance	Ω	21
	线电感	The line inductance	MH	65
	转矩常数	Torque constant	Nm/arms	6
	电机极数	Pole Number	-	20
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	±15
重复定位精度		Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm [∧] 2	0.022
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	9.433
	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-168140-30-300-YD-50



电机允许连续运转速度可达300rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

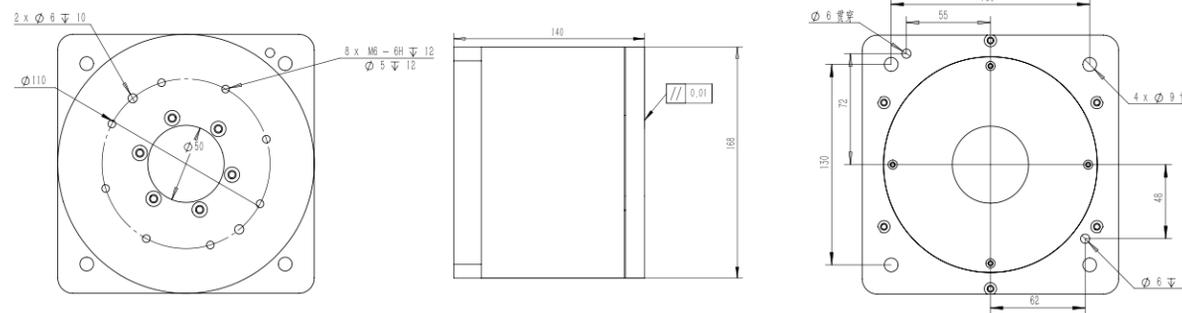
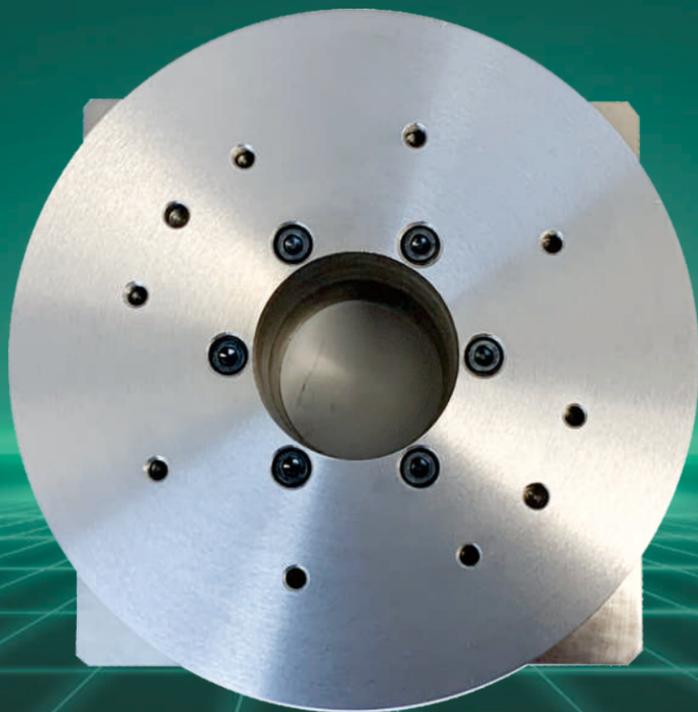
The motor allows continuous running speed up to 300rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-168140-30-300-YD-50
尺寸 Specs	高度	Height	mm	140
	直径	Diameter	mm	168
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	90
	连续输出扭矩	Continuous output torque	Nm	30
	峰值电流	Peak current	Arms	9
	连续电流	Continuous current	Arms	3
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	100
	线电阻	Line resistance	Ω	21
	线电感	The line inductance	MH	65
	转矩常数	Torque constant	Nm/arms	8
	电机极数	Pole Number	-	20
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	±15
重复定位精度		Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm^2	0.033
	允许轴向负荷压缩力	Allowable axial load	N	20000
	允许径向负荷	Allowable radial load	N	20000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	17.263
	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-170128-75-300-YD-30

电机允许连续运转速度可达300rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差表中, 如无明确说明则表示220-230VAC电源

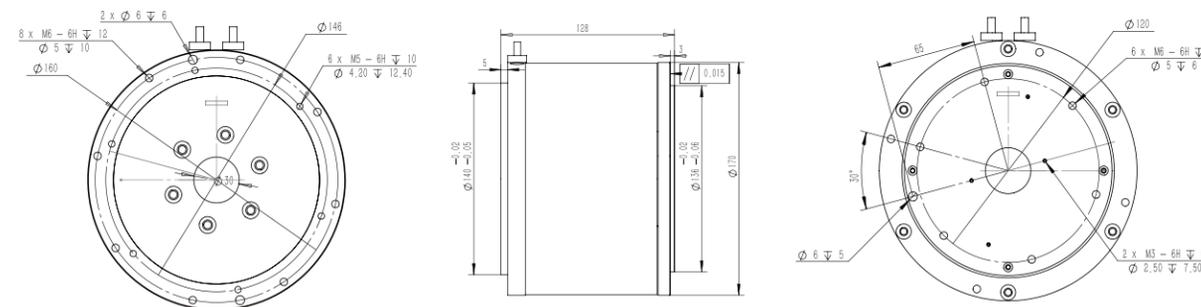
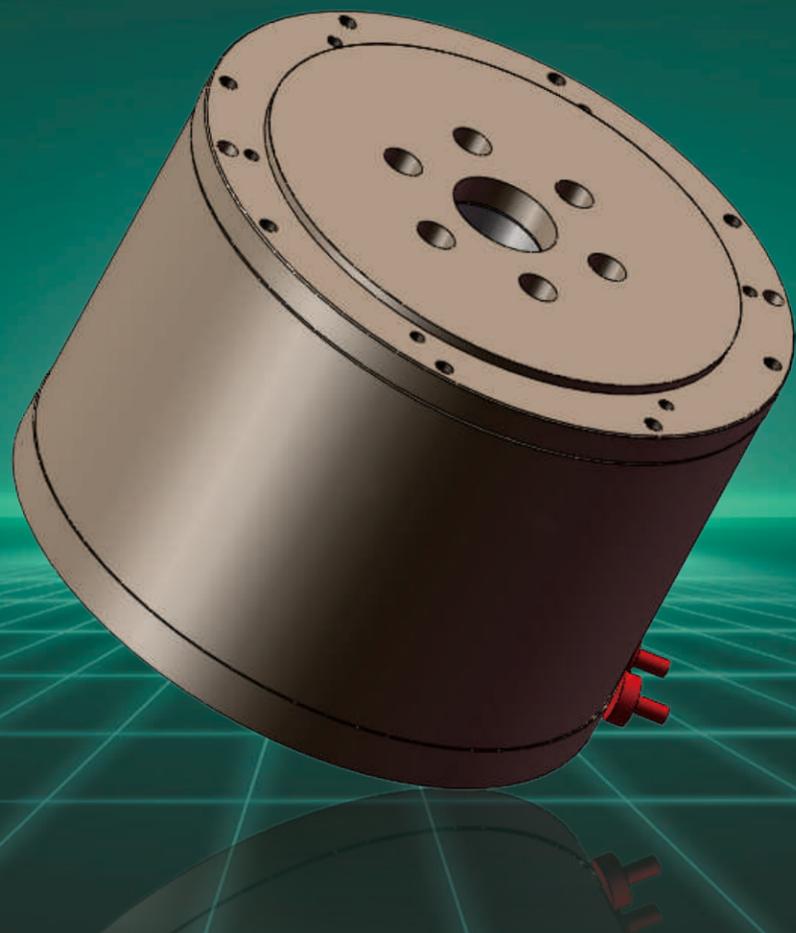
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-170128-75-300-YD-30
尺寸 Specs	高度	Height	mm	128
	直径	Diameter	mm	170
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	75
	连续输出扭矩	Continuous output torque	Nm	25
	峰值电流	Peak current	Arms	9
	连续电流	Continuous current	Arms	3
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	100
	线电阻	Line resistance	Ω	21
	线电感	The line inductance	MH	65
	转矩常数	Torque constant	Nm/arms	7
	电机极数	Pole Number	-	20
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	± 15
重复定位精度		Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm \wedge 2	0.029
	允许轴向负荷压缩力	Allowable axial load	N	20000
	允许径向负荷	Allowable radial load	N	20000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	15.142
	温度	Temperature	$^{\circ}$ C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-270095-150-200-YD-60

电机允许连续运转速度可达300rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差表中, 如无明确说明则表示220-230VAC电源

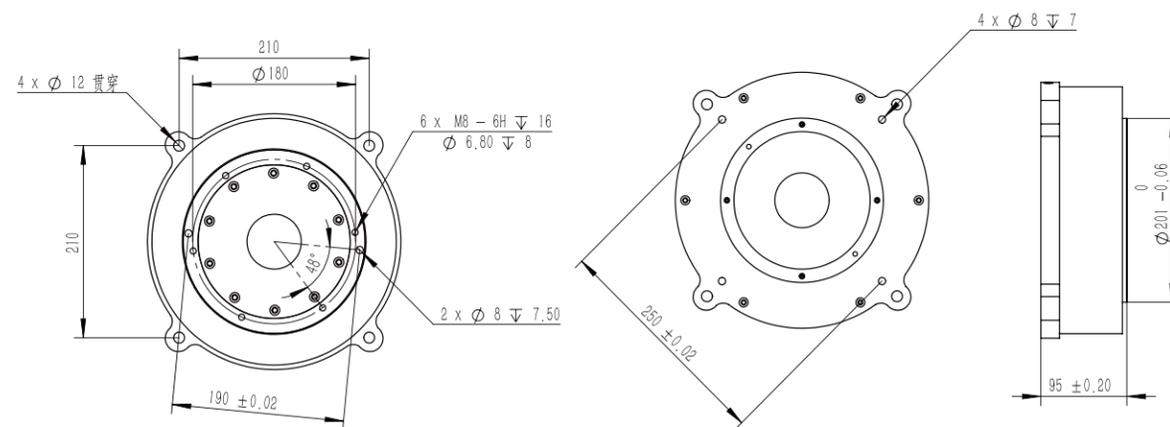
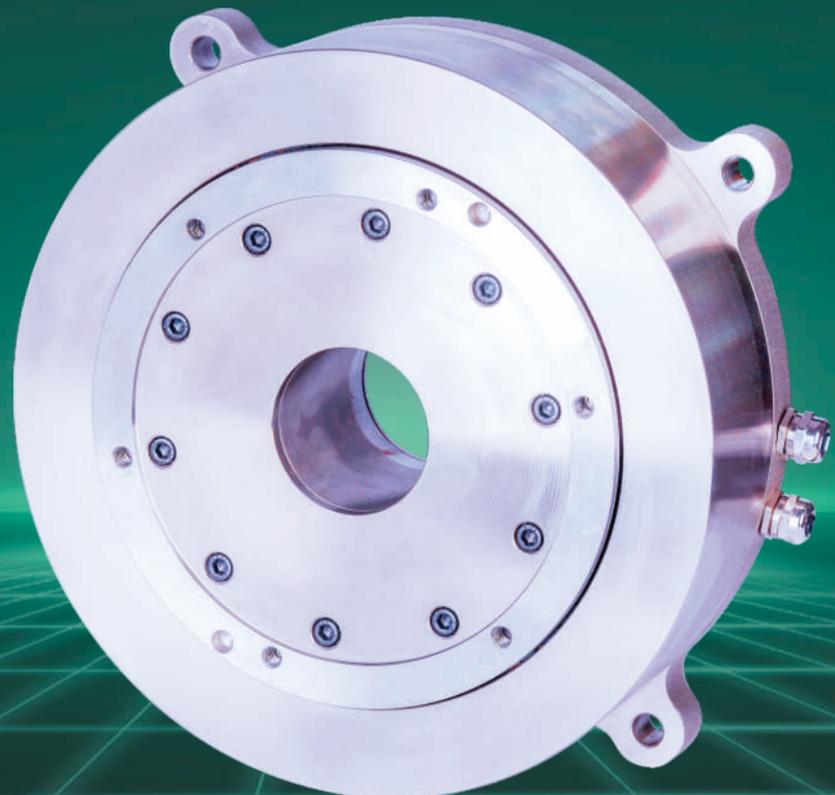
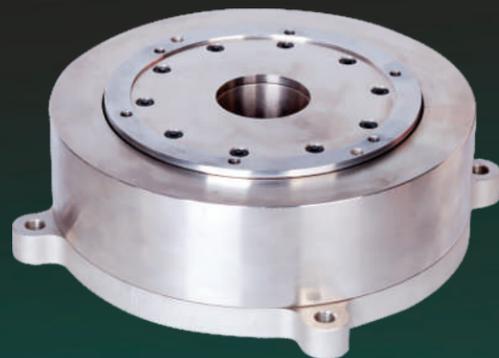
The motor allows continuous running speed up to 300rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-270095-150-200-YD-60
尺寸 Specs	高度	Height	mm	95
	直径	Diameter	mm	270
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	150
	连续输出扭矩	Continuous output torque	Nm	50
	峰值电流	Peak current	Arms	16.5
	连续电流	Continuous current	Arms	5.5
	最大速度	Maximum speed	rpm	200
	额定速度	Nominal speed	rpm	70
	线电阻	Line resistance	Ω	11
	线电感	The line inductance	MH	37
	转矩常数	Torque constant	Nm/arms	10
	电机极数	Pole Number	-	30
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	±15
重复定位精度		Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm^2	0.0655
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	30.92
	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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标准中空定制电机
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conveying and handling table Series

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Waterproof, oil-proof, dustproof best choice Series

高响应类的最佳选择
The best choice for high response classes Series

组装、检测的最佳选择
The best choice for assembly and testing Series



标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-270113-180-200-YD-60

电机允许连续运转速度可达300rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差表中, 如无明确说明则表示220-230VAC电源

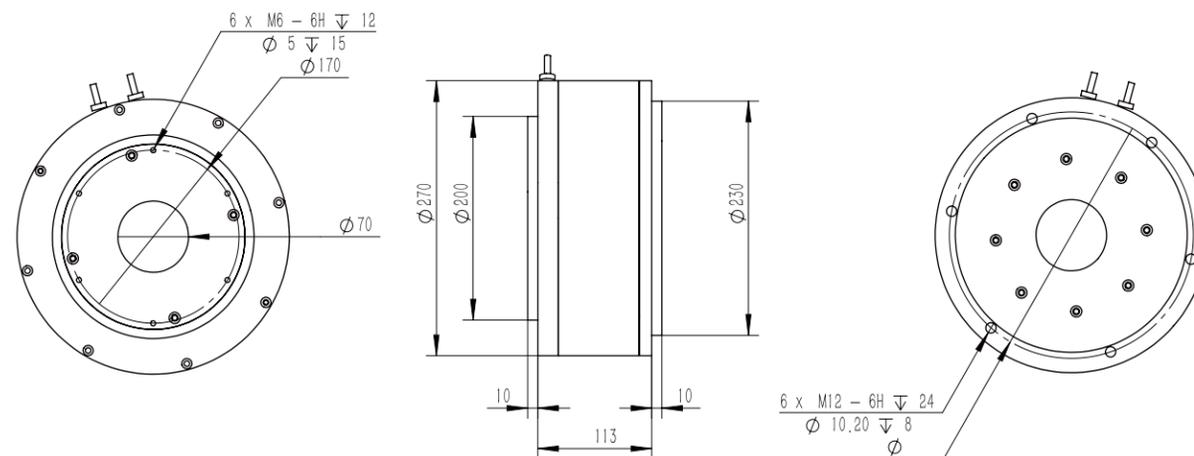
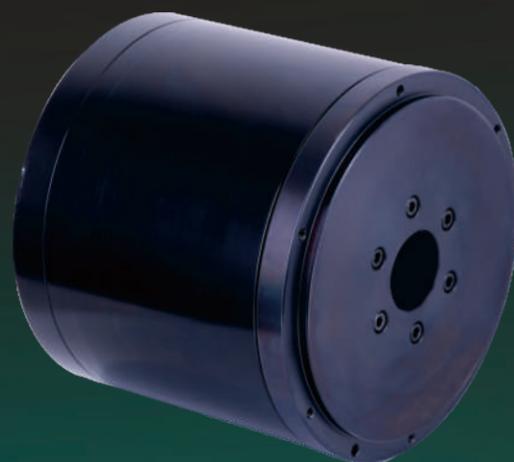
The motor allows continuous running speed up to 300rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-270113-180-200-YD-60
尺寸 Specs	高度	Height	mm	113
	直径	Diameter	mm	270
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	180
	连续输出扭矩	Continuous output torque	Nm	65
	峰值电流	Peak current	Arms	16.5
	连续电流	Continuous current	Arms	5.5
	最大速度	Maximum speed	rpm	200
	额定速度	Nominal speed	rpm	70
	线电阻	Line resistance	Ω	12
	线电感	The line inductance	MH	40
	转矩常数	Torque constant	Nm/arms	12
	电机极数	Pole Number	-	30
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	±15
重复定位精度		Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm ²	0.255
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	41.319
	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-270138-250-200-YD-60

电机允许连续运转速度可达300rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差表中, 如无明确说明则表示220-230VAC电源

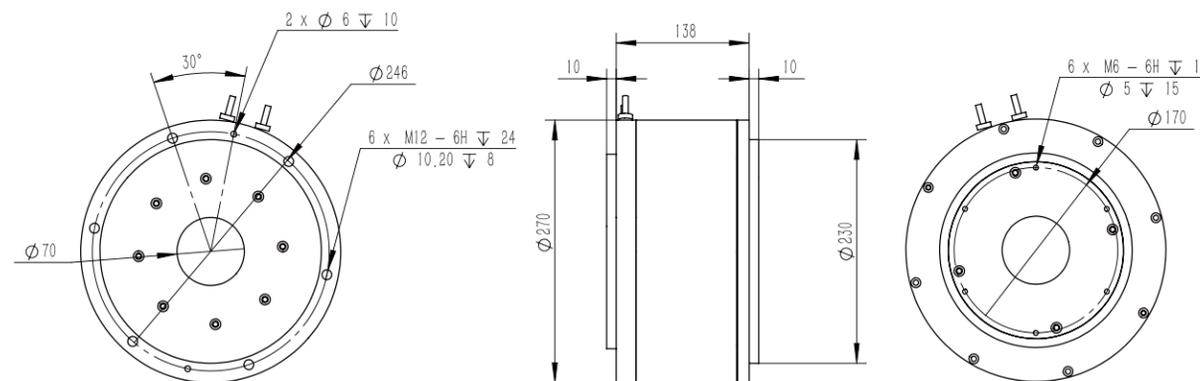
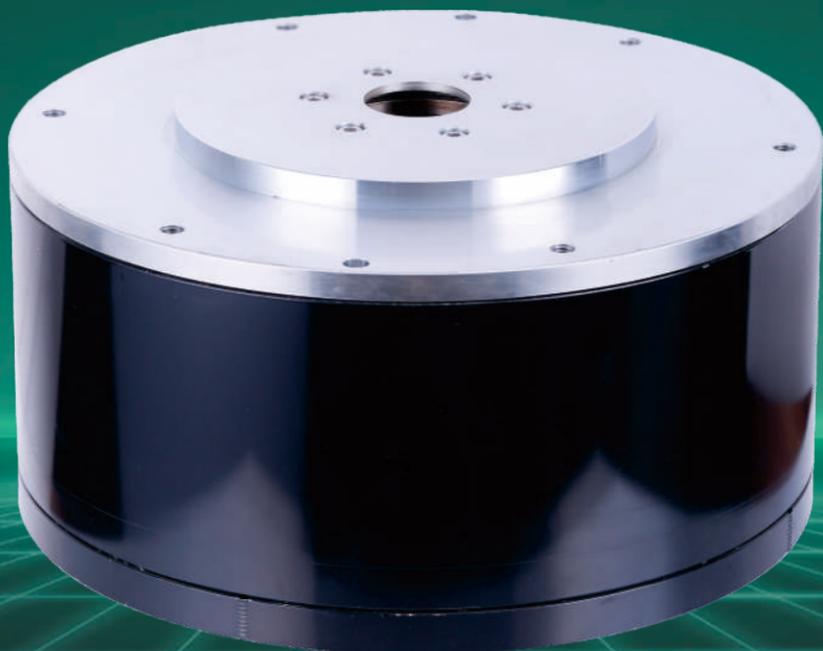
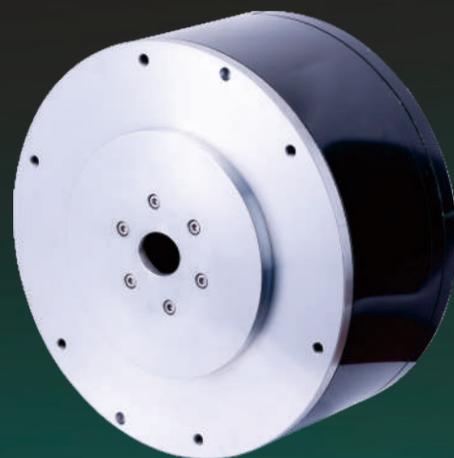
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位(unit)	型号(Model)
				ZRDDR-270138-250-200-YD-60
尺寸 Specs	高度	Height	mm	138
	直径	Diameter	mm	270
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	250
	连续输出扭矩	Continuous output torque	Nm	100
	峰值电流	Peak current	Arms	25
	连续电流	Continuous current	Arms	10
	最大速度	Maximum speed	rpm	200
	额定速度	Nominal speed	rpm	70
	线电阻	Line resistance	Ω	16
	线电感	The line inductance	MH	55
	转矩常数	Torque constant	Nm/arms	10
	电机极数	Pole Number	-	30
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	± 15
重复定位精度		Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm $\wedge 2$	0.309
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	50.714
	温度	Temperature	$^\circ\text{C}$	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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标准中空定制电机

STANDARD HOLLOW CUSTOM MOTOR

ZRDDR-270188-500-200-YD-60

电机允许连续运转速度可达300rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差表中, 如无明确说明则表示220-230VAC电源

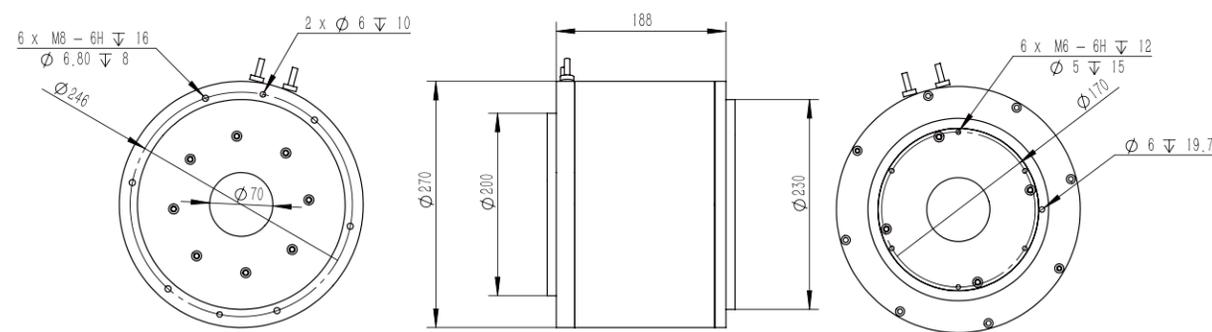
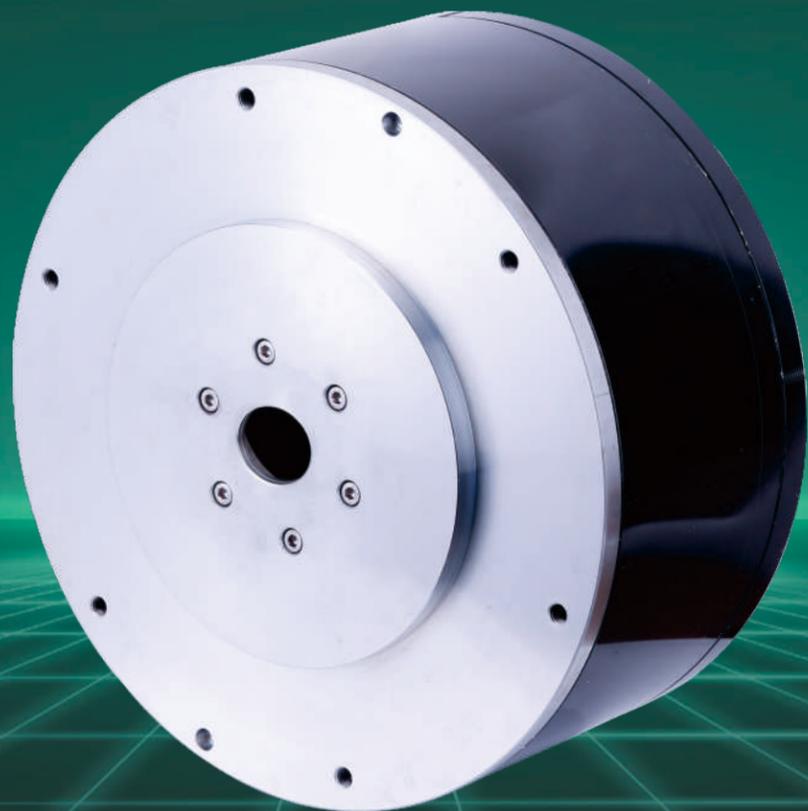
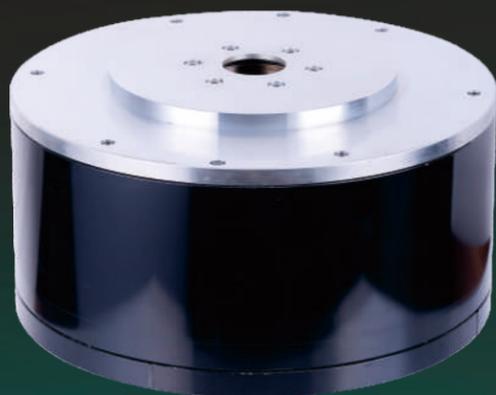
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-270188-500-200-YD-60
尺寸 Specs	高度	Height	mm	188
	直径	Diameter	mm	270
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	500
	连续输出扭矩	Continuous output torque	Nm	200
	峰值电流	Peak current	Arms	25
	连续电流	Continuous current	Arms	10
	最大速度	Maximum speed	rpm	200
	额定速度	Nominal speed	rpm	70
	线电阻	Line resistance	Ω	20
	线电感	The line inductance	MH	65
	转矩常数	Torque constant	Nm/arms	20
	电机极数	Pole Number	-	30
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	± 15
重复定位精度		Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm \wedge 2	0.3645
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	59.4
	温度	Temperature	$^{\circ}$ C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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高速运行专用电机 SPECIAL MOTOR FOR HIGH SPEED OPERATION

ZRDDR-170201.5-150-300-DMC

电机允许连续运转速度可达300rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差
表中, 如无明确说明则表示220-230VAC电源

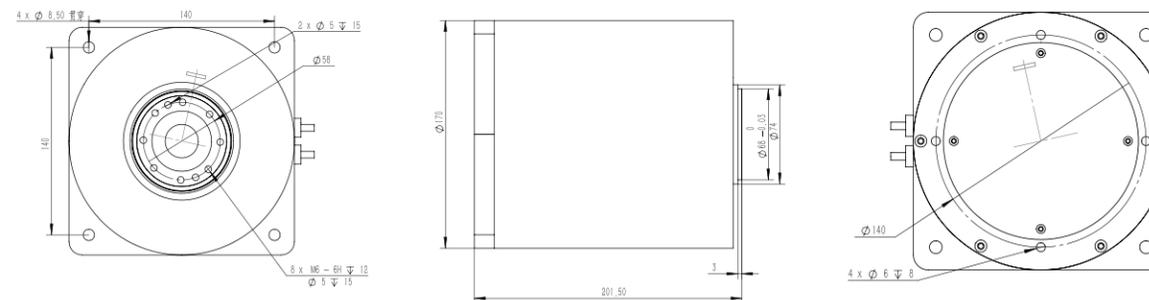
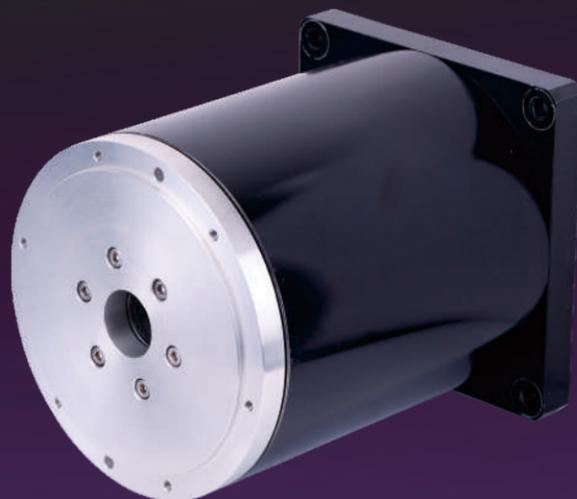
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model) ZRDDR-170201.5-150-300-DMC
尺寸 Specs	高度	Height	mm	201.5
	直径	Diameter	mm	170
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	150
	连续输出扭矩	Continuous output torque	Nm	50
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	100
	线电阻	Line resistance	Ω	39
	线电感	The line inductance	MH	120
	转矩常数	Torque constant	Nm/arms	10
	电机极数	Pole Number	-	20
		编码器分辨率	Encoder resolution	pluse/rev
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	±15
	重复定位精度	Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm ²	0.0033
	允许轴向负荷压缩力	Allowable axial load	N	9000
	允许径向负荷	Allowable radial load	N	9000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	24.463
环境要求 Surroundings	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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高速运行专用电机 SPECIAL MOTOR FOR HIGH SPEED OPERATION

ZRDDR-180205-150-300-YD-40



电机允许连续运转速度可达300rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差
表中, 如无明确说明则表示220-230VAC电源

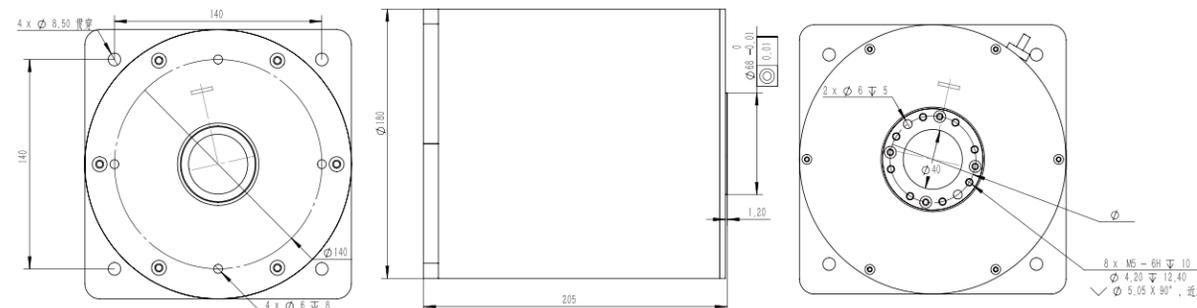
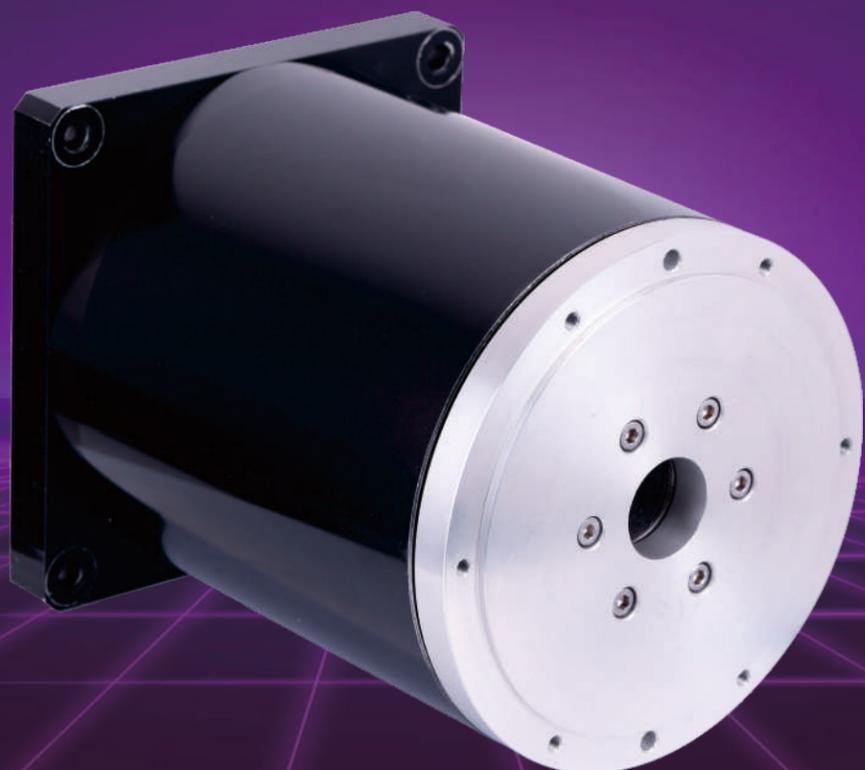
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数 Parameters			单位 (unit)	型号 (Model) ZRDDR-180205-150-300-YD-40
尺寸 Specs	高度	Height	mm	205
	直径	Diameter	mm	180
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	150
	连续输出扭矩	Continuous output torque	Nm	50
	峰值电流	Peak current	Arms	16.5
	连续电流	Continuous current	Arms	5.5
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	100
	线电阻	Line resistance	Ω	10
	线电感	The line inductance	MH	60
	转矩常数	Torque constant	Nm/arms	10
	电机极数	Pole Number	-	20
	编码器分辨率	Encoder resolution	pluse/rev	1048576
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	±15
	重复定位精度	Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm ²	0.0045
	允许轴向负荷压缩力	Allowable axial load	N	9000
	允许径向负荷	Allowable radial load	N	9000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
质量	Design load	kg	30	
环境要求 Surroundings	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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高级防护专用电机 SPECIAL MOTOR FOR ADVANCED PROTECTION

ZRDDR-F12090-8-500-DMC-方形法兰

Model: ZRDDR-F12090-8-500-DMC-Square flange



电机允许连续运转速度可达1000rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



防水

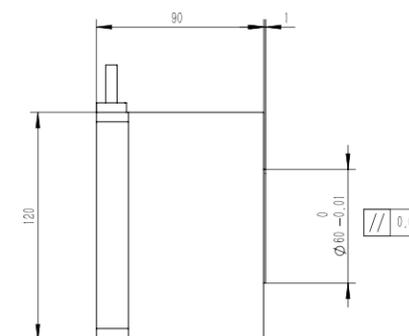
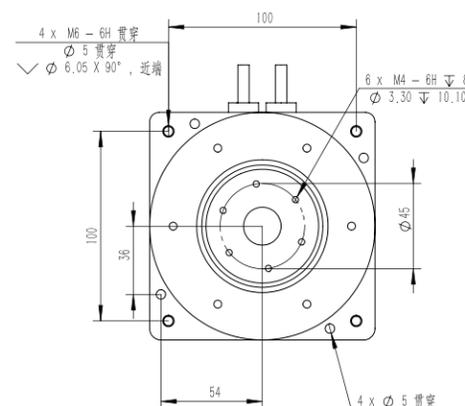
waterproof

防油

Oil prevention

防尘

Dustproof



防护等级 IP65

Level of Production

性能参数 Parameters			单位 (unit)	型号 (Model)
				ZRDDR-F12090-8-500-DMC- (Square flange)
尺寸 Specs	高度	Height	mm	90
	直径	Diameter	mm	120
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	24
	连续输出扭矩	Continuous output torque	Nm	8
	峰值电流	Peak current	Arms	7
	连续电流	Continuous current	Arms	2.5
	最大速度	Maximum speed	rpm	1000
	额定速度	Nominal speed	rpm	500
	线电阻	Line resistance	Ω	8
	线电感	The line inductance	MH	27
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	20
	编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	±15
	重复定位精度	Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm^2	0.00068
	允许轴向负荷压缩力	Allowable axial load	N	6000
	允许径向负荷	Allowable radial load	N	6000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
质量	Design load	kg	4.278	
环境要求 Surroundings	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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高级防护专用电机 SPECIAL MOTOR FOR ADVANCED PROTECTION

ZRDDR-F12090-8-500-YD-22

电机允许连续运转速度可达1000rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



防水

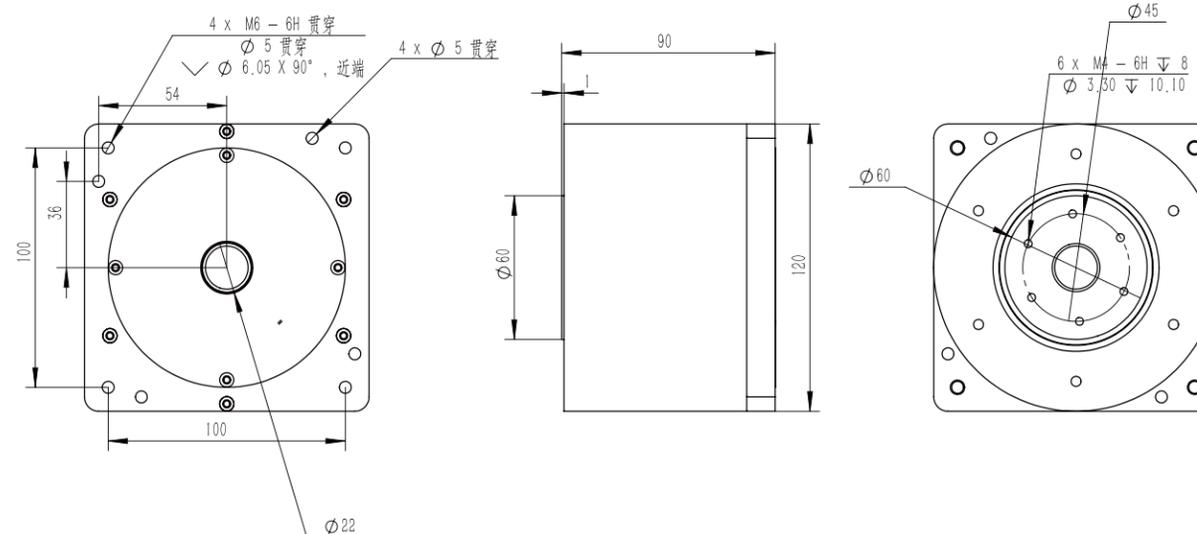
waterproof

防油

Oil prevention

防尘

Dustproof



防护等级 **IP65**

Level of Protection

性能参数 Parameters			单位 (unit)	型号 (Model)
				ZRDDR-F12090-8-500-YD-22
尺寸 Specs	高度	Height	mm	90
	直径	Diameter	mm	120
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	24
	连续输出扭矩	Continuous output torque	Nm	8
	峰值电流	Peak current	Arms	7
	连续电流	Continuous current	Arms	2.5
	最大速度	Maximum speed	rpm	1000
	额定速度	Nominal speed	rpm	500
	线电阻	Line resistance	Ω	8
	线电感	The line inductance	MH	27
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	20
	编码器分辨率	Encoder resolution	pluse/rev	524288
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	± 15
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm \wedge 2	0.0007
	允许轴向负荷压缩力	Allowable axial load	N	6000
	允许径向负荷	Allowable radial load	N	6000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
质量	Design load	kg	4.206	
环境要求 Surroundings	温度	Temperature	$^{\circ}$ C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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The best choice for assembly and testing Series



高级防护专用电机 SPECIAL MOTOR FOR ADVANCED PROTECTION

ZRDDR-F125103-10-500-YD-12

电机允许连续运转速度可达1000rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差表中, 如无明确说明则表示220-230VAC电源

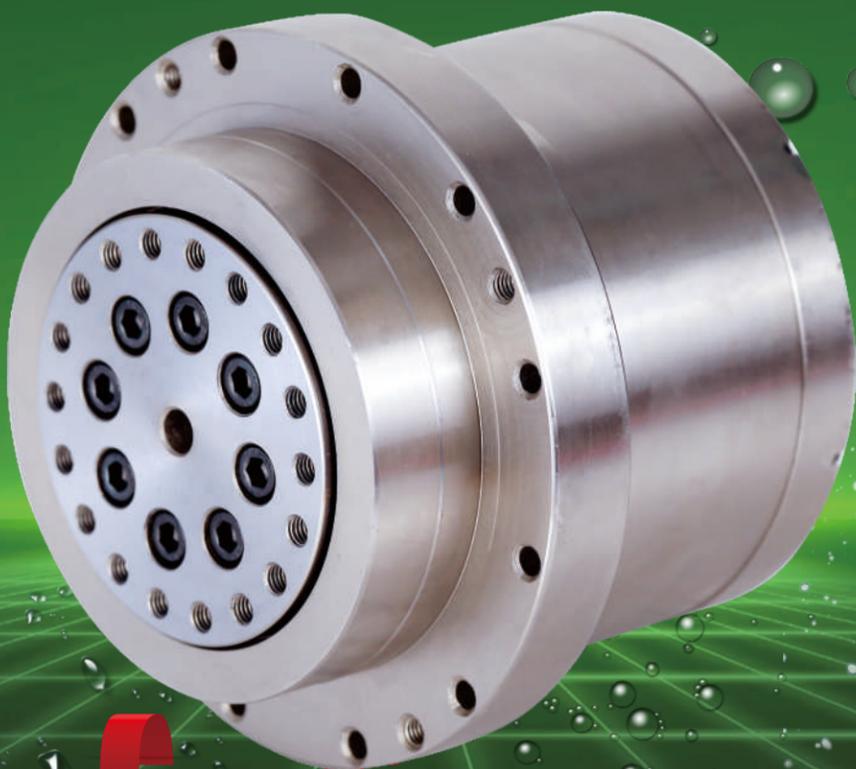
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



防水

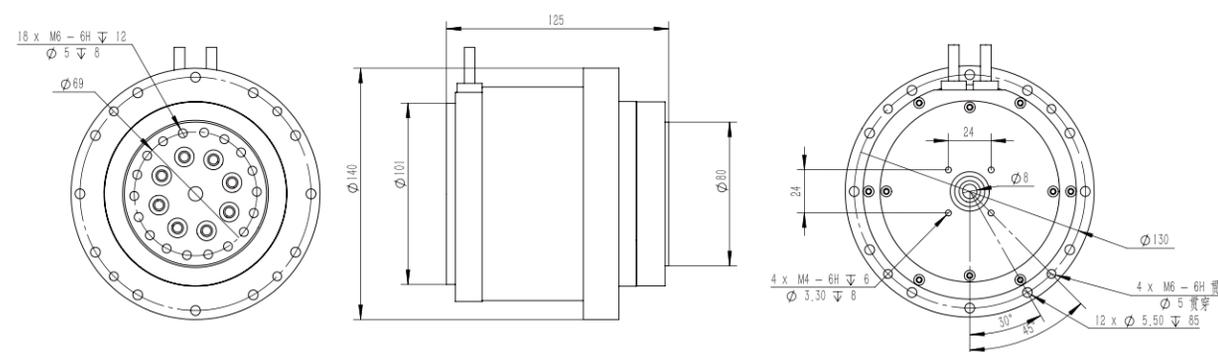
waterproof

防油

Oil prevention

防尘

Dustproof



防护等级IP65

Level of Protection

性能参数Parameters			单位 (unit)	型号 (Model) ZRDDR-F125103-10-500-YD-12
尺寸 Specs	高度	Height	mm	103
	直径	Diameter	mm	120
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	24
	连续输出扭矩	Continuous output torque	Nm	8
	峰值电流	Peak current	Arms	7
	连续电流	Continuous current	Arms	2.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	8
	线电感	The line inductance	MH	27
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	20
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	±15
重复定位精度		Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm∧2	0.00208
	允许轴向负荷压缩力	Allowable axial load	N	8000
	允许径向负荷	Allowable radial load	N	8000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	7.868
	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

以上技术参数仅供参考, 实际根据客户提供的数据, 会出具相关的技术参数及尺寸。
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The best choice for assembly and testing Series



高级防护专用电机 SPECIAL MOTOR FOR ADVANCED PROTECTION

ZRDDR-120275-10-500-YD-8

电机允许连续运转速度可达1000rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差表中, 如无明确说明则表示220-230VAC电源

The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



防水

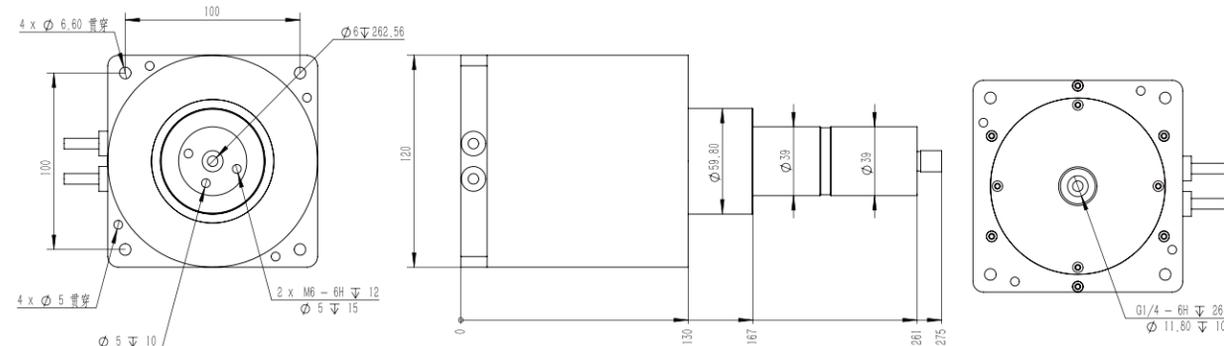
waterproof

防油

Oil prevention

防尘

Dustproof



防护等级IP65

Level of Production

性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-F120275-10-500-YD-8
尺寸 Specs	高度	Height	mm	275
	直径	Diameter	mm	120
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	24
	连续输出扭矩	Continuous output torque	Nm	8
	峰值电流	Peak current	Arms	7
	连续电流	Continuous current	Arms	2.5
	最大速度	Maximum speed	rpm	1000
	额定速度	Nominal speed	rpm	500
	线电阻	Line resistance	Ω	8
	线电感	The line inductance	MH	27
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	20
	定位精度	编码器分辨率	Encoder resolution	pluse/rev
绝对定位精度		Absolute positioning accuracy	arc-sec	± 15
重复定位精度		Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm \wedge 2	0.002835
	允许轴向负荷压缩力	Allowable axial load	N	6000
	允许径向负荷	Allowable radial load	N	6000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	10.361
	温度	Temperature	$^{\circ}$ C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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The best choice for assembly and testing Series



定制就是标准
Customization is the standard

定制就是标准
Customization is the standard

60/61

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The best choice for assembly and testing Series

高级防护专用电机 SPECIAL MOTOR FOR ADVANCED PROTECTION

ZRDDR-F210290-35-1500-YD-48



电机允许连续运转速度可达3500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示380VAC电源

The motor allows continuous running speed up to 3500rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 380VAC power supply



防水

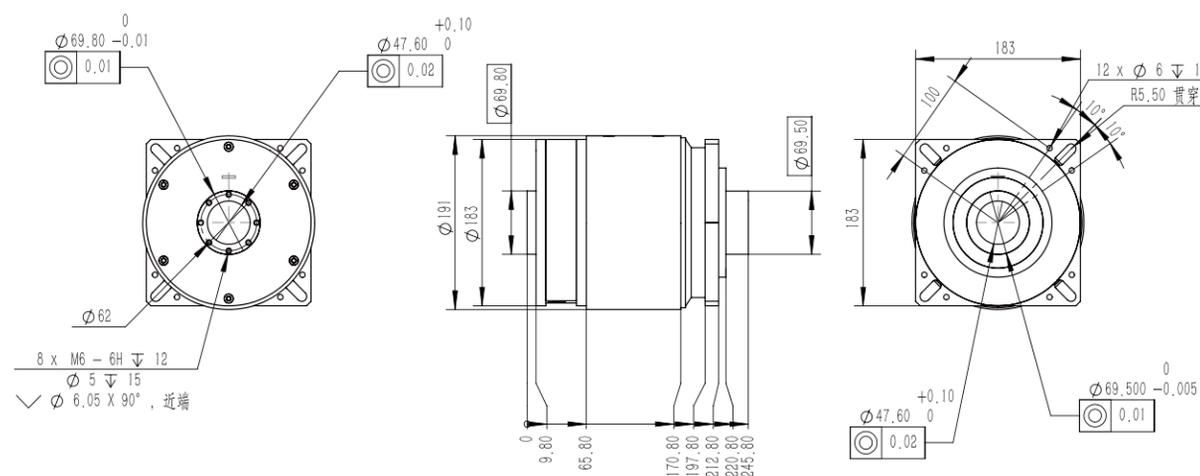
waterproof

防油

Oil prevention

防尘

Dustproof



防护等级 IP65

Level of Production

性能参数 Parameters		单位 (unit)	型号 (Model)	
			ZRDDR-F210290-35-1500-YD-48	
尺寸 Specs	高度 Height	mm	290	
	直径 Diameter	mm	210	
电气参数 Electrical Parameters	最大输出转矩 Maximum output torque	Nm	80	
	连续输出扭矩 Continuous output torque	Nm	35	
	峰值电流 Peak current	Arms	45	
	连续电流 Continuous current	Arms	15	
	最大速度 Maximum speed	rpm	3500	
	额定速度 Nominal speed	rpm	1500	
	线电阻 Line resistance	Ω	1.3	
	线电感 The line inductance	MH	3.8	
	转矩常数 Torque constant	Nm/arms	3	
	电机极数 Pole Number	-	20	
	定位精度 Positioning Accuracy	编码器分辨率 Encoder resolution	pluse/rev	1048576
绝对定位精度 Absolute positioning accuracy		arc-sec	±15	
重复定位精度 Repeated positioning accuracy		arc-sec	±2	
机械参数 Mechanical Parameters	转子惯量 Rotor inertia	Kgm/2	0.011	
	允许轴向负荷压缩力 Allowable axial load	N	40000	
	允许径向负荷 Allowable radial load	N	40000	
	轴向跳动精度 Axial runout accuracy	um	15/5/Less	
	径向跳动精度 Radial runout accuracy	um	15/5/Less	
环境要求 Surroundings	质量 Design load	kg	29.673	
	温度 Temperature	°C	0-100	
	湿度 Humidity	%	85	
大气环境 Atmospheric environment		-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m	

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检测系列专用电机 TEST SERIES SPECIAL MOTOR

ZRDDR-12090-8-500-DMC

电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

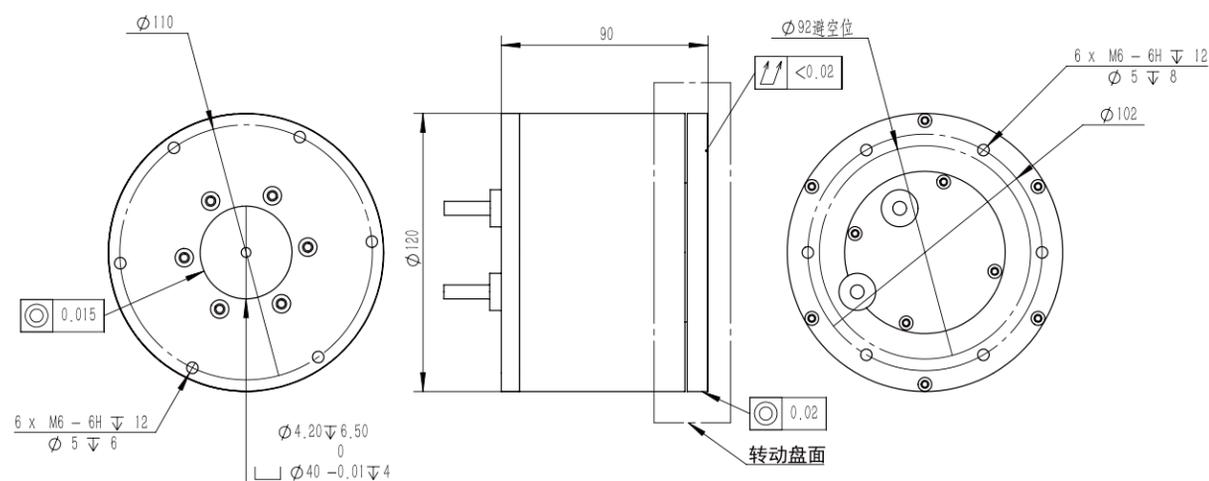
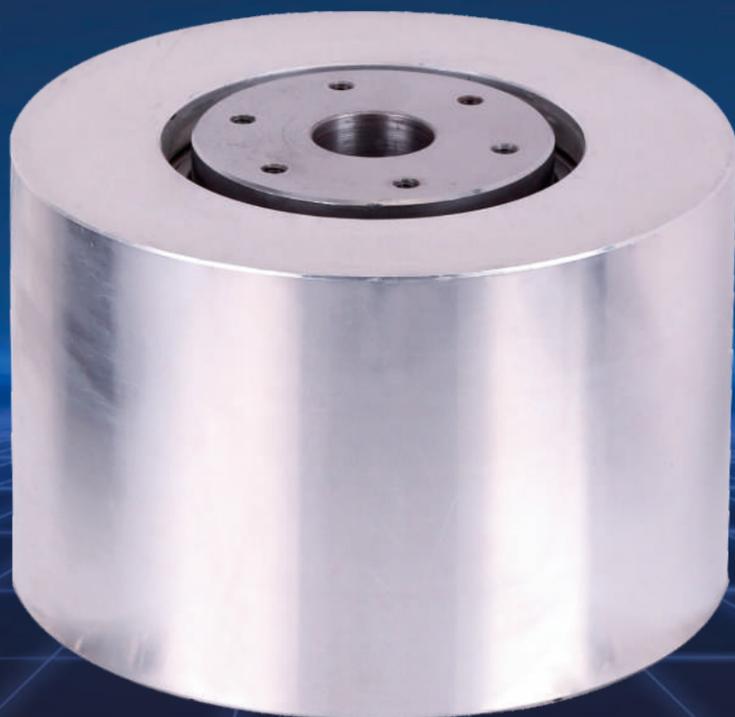
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero.

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model) ZRDDR-12090-8-500-DMC
尺寸 Specs	高度	Height	mm	90
	直径	Diameter	mm	120
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	24
	连续输出扭矩	Continuous output torque	Nm	8
	峰值电流	Peak current	Arms	7
	连续电流	Continuous current	Arms	2.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	8
	线电感	The line inductance	MH	27
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	20
	编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	± 15
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2
	转子惯量	Rotor inertia	Kgm ²	0.00432
机械参数 Mechanical Parameters	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	5.566
环境要求 Surroundings	温度	Temperature	$^{\circ}\text{C}$	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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检测系列专用电机

TEST SERIES SPECIAL MOTOR

ZRDDR-12090-8-500-DMC-方形法兰

Model: ZRDDR-12090-8-500-DMC-Square flange



电机允许连续运转速度可达1000rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

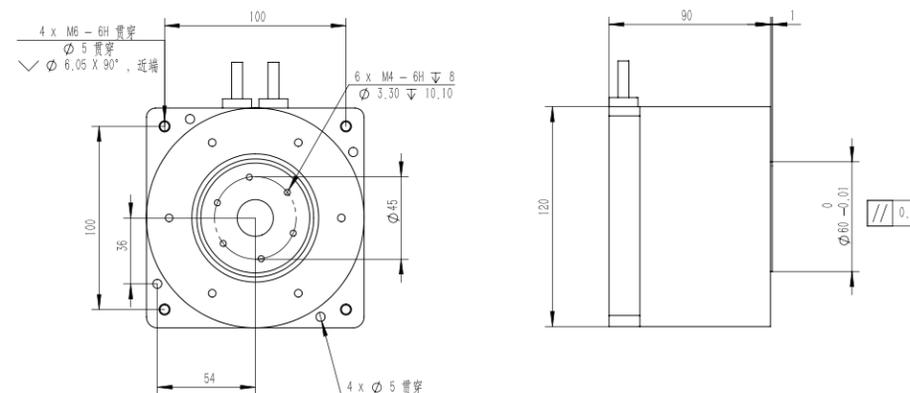
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-12090-8-500-DMC-方形法兰
尺寸 Specs	高度	Height	mm	90
	直径	Diameter	mm	120
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	24
	连续输出扭矩	Continuous output torque	Nm	8
	峰值电流	Peak current	Arms	7
	连续电流	Continuous current	Arms	2.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	8
	线电感	The line inductance	MH	27
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	20
	编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	± 15
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm ²	0.0036
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
质量	Design load	kg	6.139	
环境要求 Surroundings	温度	Temperature	$^{\circ}\text{C}$	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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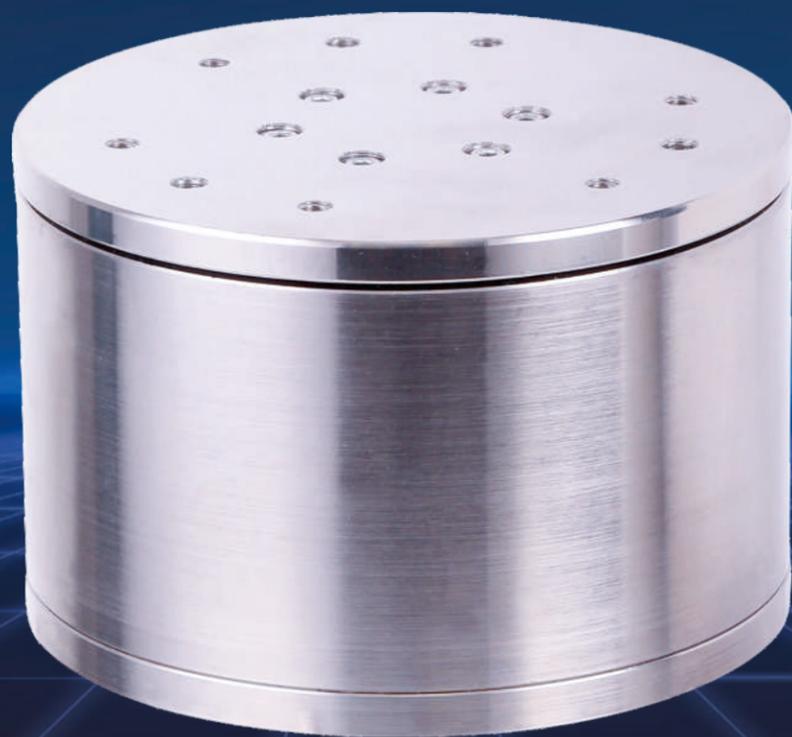
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检测系列专用电机 TEST SERIES SPECIAL MOTOR

ZRDDR-14090-10-200-DMC



电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

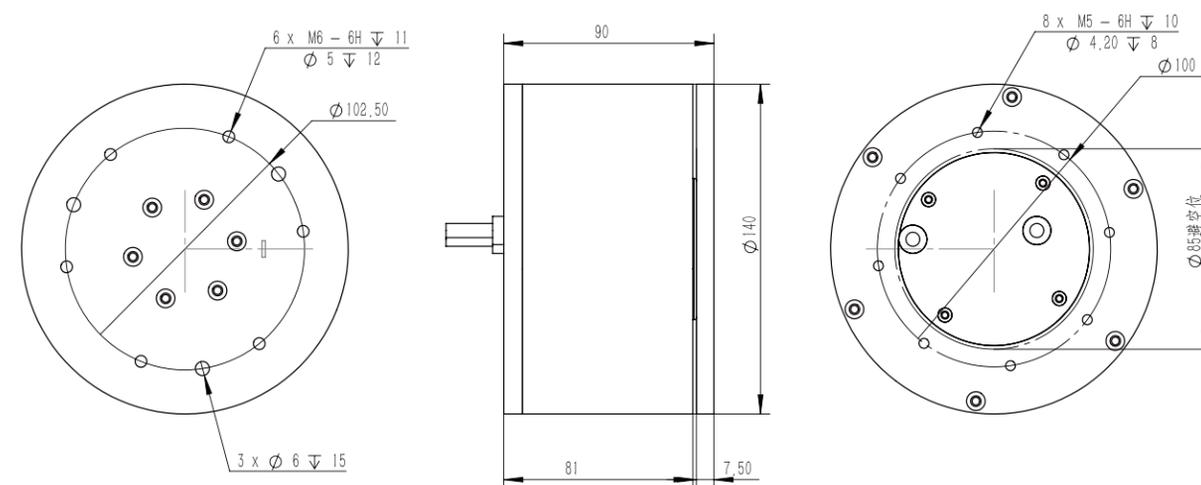
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero.

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-14090-10-200-DMC
尺寸 Specs	高度	Height	mm	90
	直径	Diameter	mm	140
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30
	连续输出扭矩	Continuous output torque	Nm	10
	峰值电流	Peak current	Arms	9
	连续电流	Continuous current	Arms	3
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	10
	线电感	The line inductance	MH	30
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	28
	编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	± 15
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm ²	0.00735
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	7.854
环境要求 Surroundings	温度	Temperature	$^{\circ}\text{C}$	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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检测系列专用电机

TEST SERIES SPECIAL MOTOR

ZRDDR-150140-10-200-DMC



电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零,

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

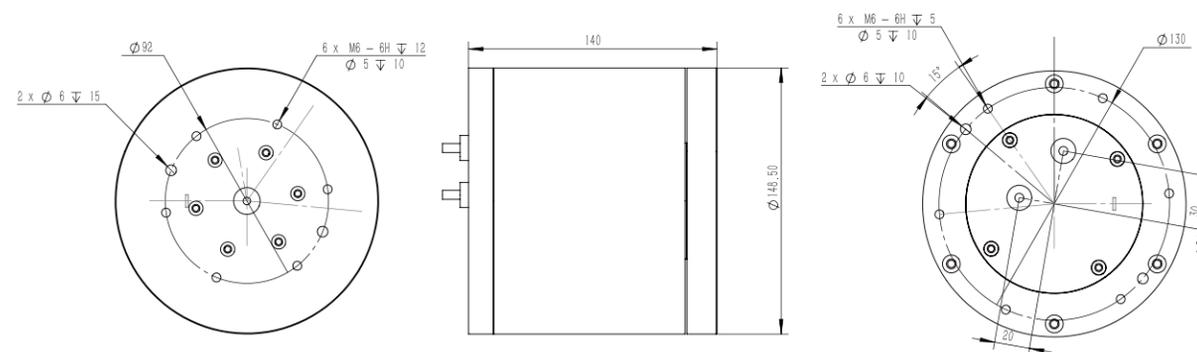
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero.

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



		性能参数Parameters		单位 (unit)	型号 (Model)
					ZRDDR-150140-10-200-DMC
尺寸 Specs	高度	Height	mm	140	
	直径	Diameter	mm	150	
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30	
	连续输出扭矩	Continuous output torque	Nm	10	
	峰值电流	Peak current	Arms	10	
	连续电流	Continuous current	Arms	3.5	
	最大速度	Maximum speed	rpm	500	
	额定速度	Nominal speed	rpm	200	
	线电阻	Line resistance	Ω	10	
	线电感	The line inductance	MH	30	
	转矩常数	Torque constant	Nm/arms	3	
	电机极数	Pole Number	-	28	
机械参数 Mechanical Parameters	编码器分辨率	Encoder resolution	pluse/rev	8388608	
	定位精度 绝对定位精度	Absolute positioning accuracy	arc-sec	± 15	
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2	
	转子惯量	Rotor inertia	Kgm $\wedge 2$	0.01925	
	允许轴向负荷压缩力	Allowable axial load	N	4000	
环境要求 Surroundings	允许径向负荷	Allowable radial load	N	4000	
	轴向跳动精度	Axial runout accuracy	um	15/5/Less	
	径向跳动精度	Radial runout accuracy	um	15/5/Less	
	质量	Design load	kg	11.962	
环境要求 Surroundings	温度	Temperature	$^{\circ}\text{C}$	40	
	湿度	Humidity	%	85	
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m	

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ZRDDR-150140-10-200-DMC-方型法兰

Model: ZRDDR-150140-10-200-DMC-Square flange



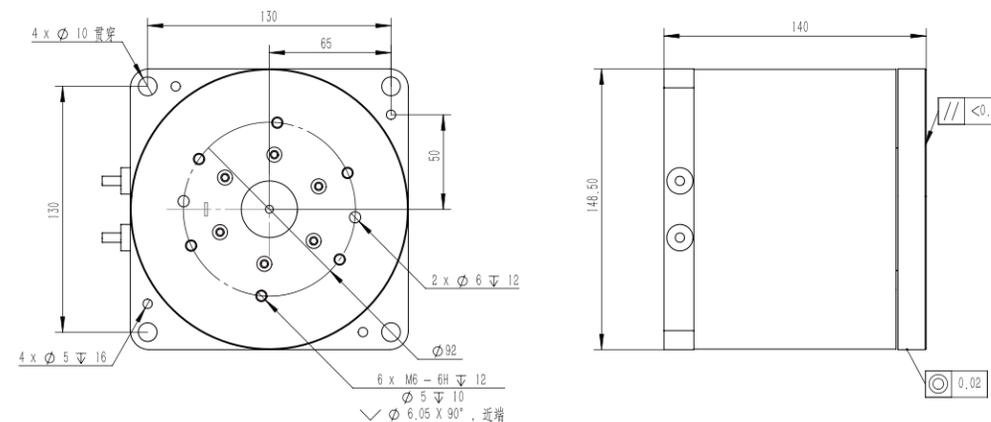
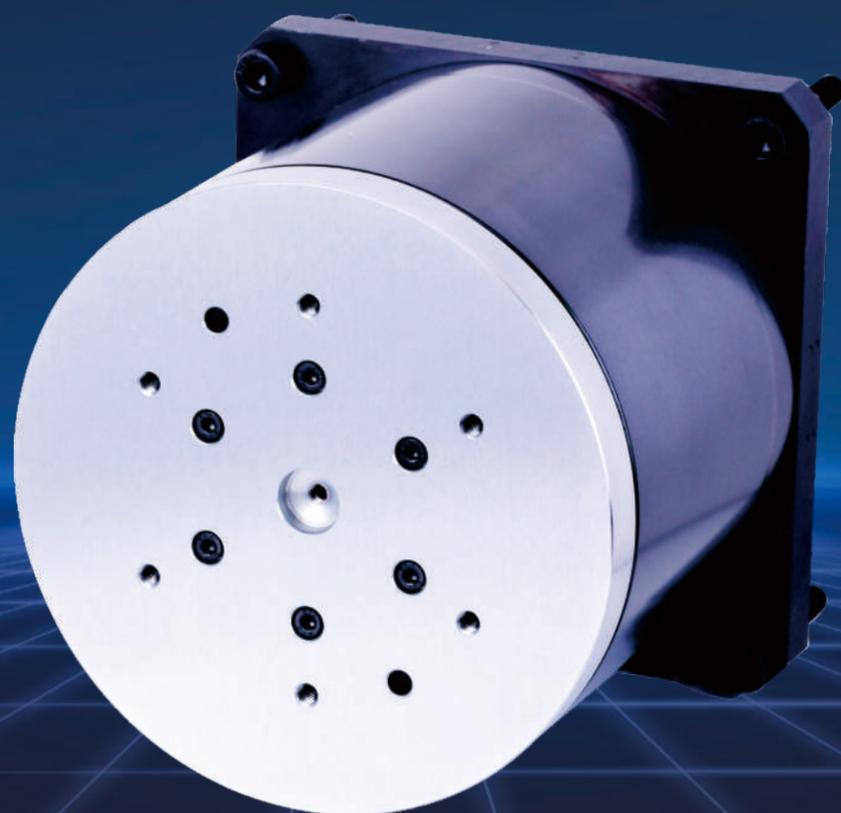
内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差表中, 如无明确说明则表示220-230VAC电源

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数 Parameters			单位 (unit)	型号 (Model)
				ZRDDR-150140-10-200-DMC-方形法兰
尺寸 Specs	高度	Height	mm	140
	直径	Diameter	mm	150
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30
	连续输出扭矩	Continuous output torque	Nm	10
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	10
	线电感	The line inductance	MH	30
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	28
	编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	± 15
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm ²	0.0177
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
环境要求 Surroundings	质量	Design load	kg	12.229
	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

以上技术参数仅供参考, 实际根据客户提供的数据, 会出具相关的技术参数及尺寸。
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TEST SERIES SPECIAL MOTOR

ZRDDR-150155-10-200-DMC



电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

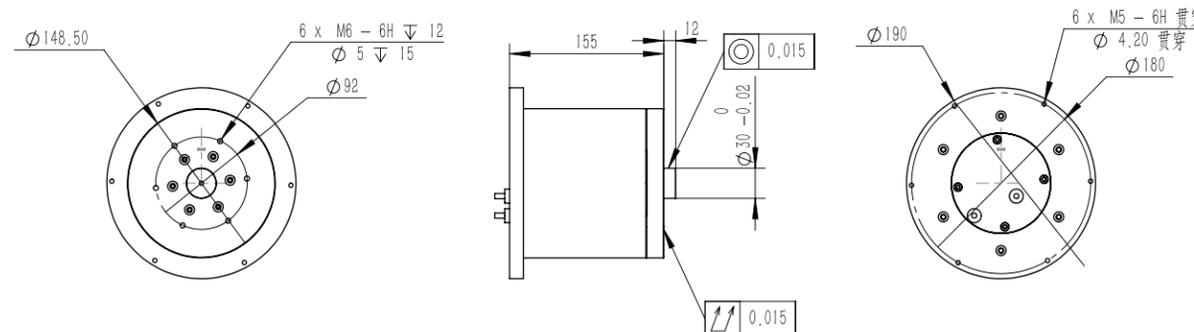
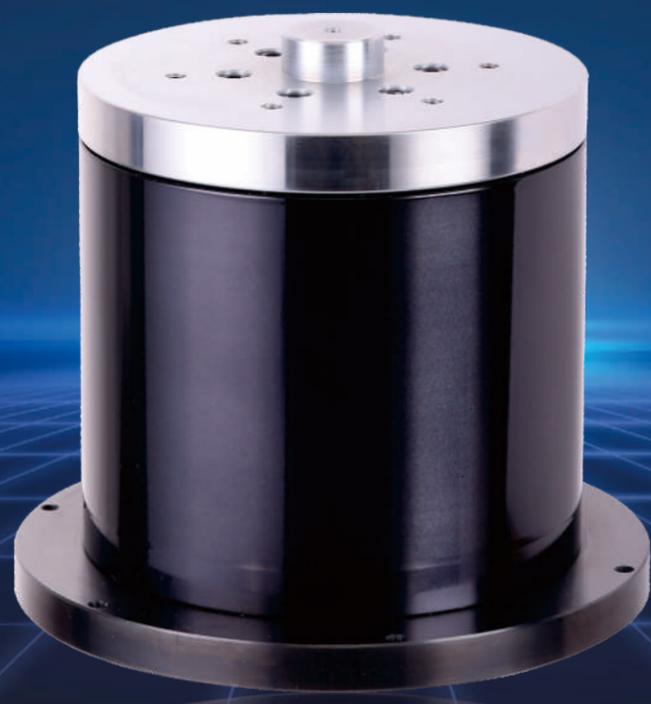
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero.

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-150155-10-200-DMC
尺寸 Specs	高度	Height	mm	155
	直径	Diameter	mm	150
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30
	连续输出扭矩	Continuous output torque	Nm	10
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	10
	线电感	The line inductance	MH	30
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	28
	编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	±15
	重复定位精度	Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm∧2	0.02
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
质量	Design load	kg	13.337	
环境要求 Surroundings	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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ZRDDR-150181-10-200-DMC



内转子型, 励磁方式: 3相

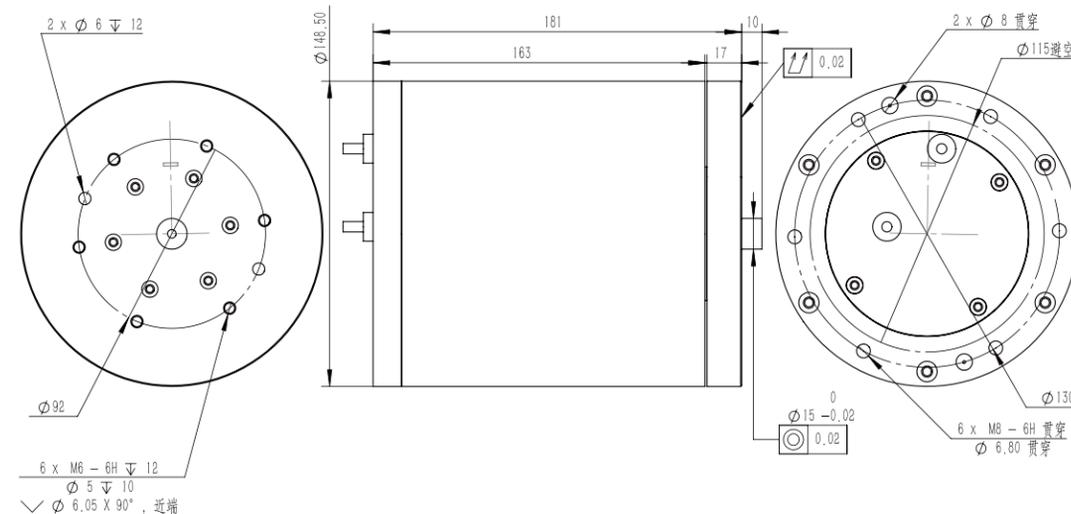
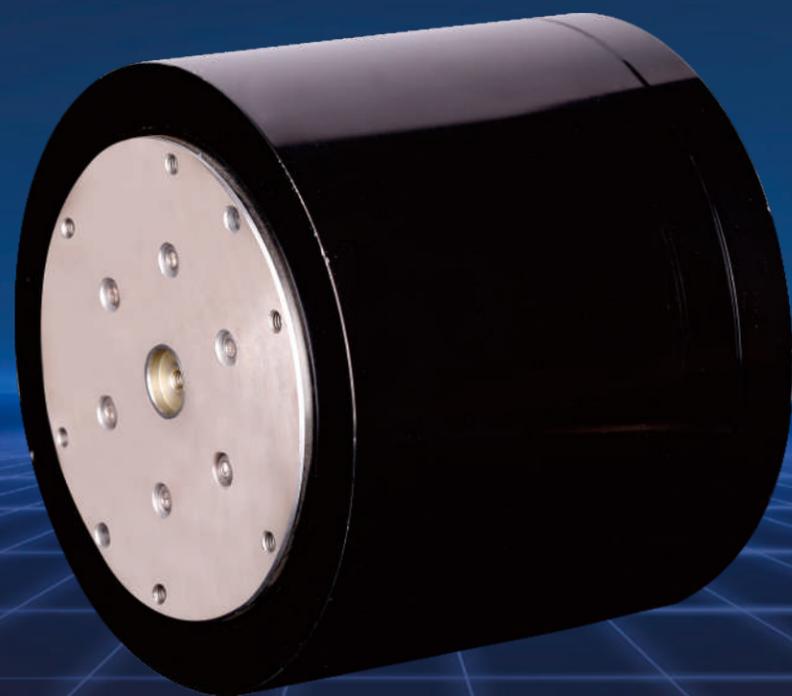
负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters		单位 (unit)	型号 (Model)	
			ZRDDR-150181-10-200-DMC	
尺寸 Specs	高度	Height	mm	181
	直径	Diameter	mm	150
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30
	连续输出扭矩	Continuous output torque	Nm	10
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	10
	线电感	The line inductance	MH	30
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	28
机械参数 Mechanical Parameters	编码器分辨率	Encoder resolution	pluse/rev	8388608
	定位精度 绝对定位精度	Absolute positioning accuracy	arc-sec	± 15
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2
	转子惯量	Rotor inertia	Kgm $\wedge 2$	0.02315
	允许轴向负荷压缩力	Allowable axial load	N	4000
环境要求 Surroundings	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	14.79
环境要求 Surroundings	温度	Temperature	$^\circ\text{C}$	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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TEST SERIES SPECIAL MOTOR

ZRDDR-160160-10-200-DMC



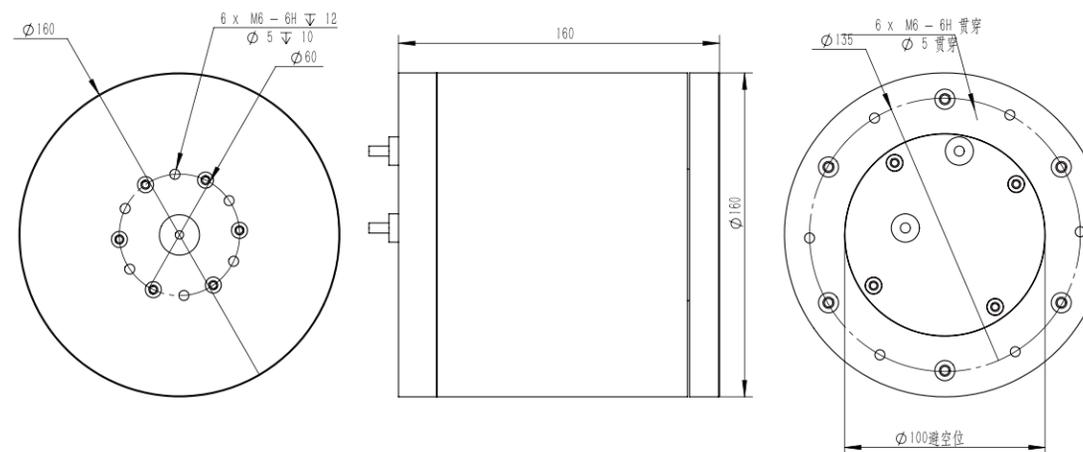
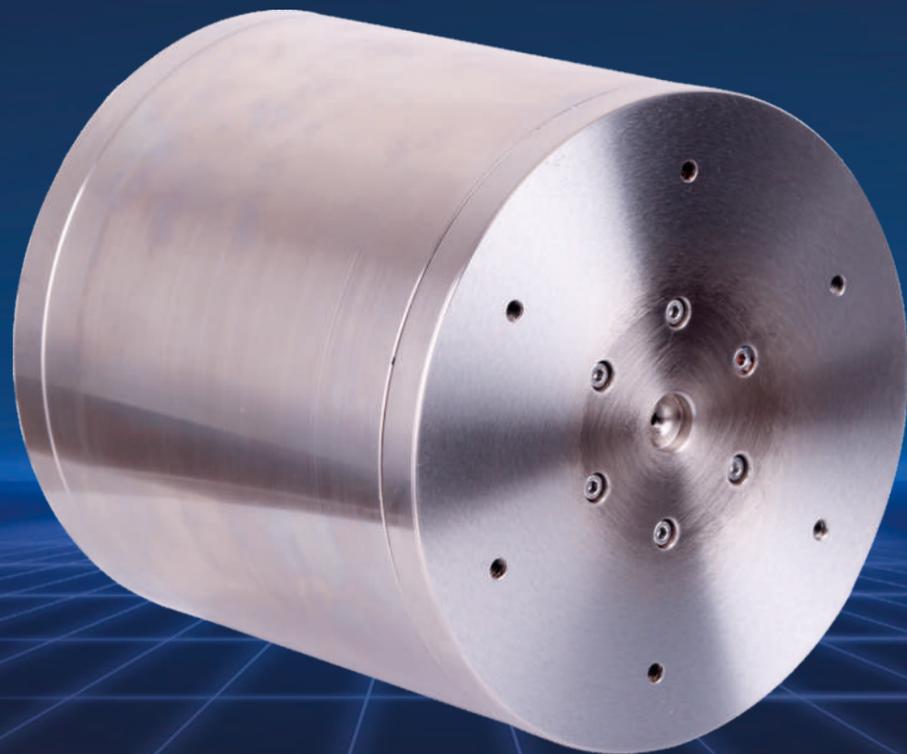
内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差
表中, 如无明确说明则表示220-230VAC电源

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-160160-10-200-DMC
尺寸 Specs	高度	Height	mm	160
	直径	Diameter	mm	160
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30
	连续输出扭矩	Continuous output torque	Nm	10
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	10
	线电感	The line inductance	MH	30
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	28
		编码器分辨率	Encoder resolution	pluse/rev
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	± 15
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm $\wedge 2$	0.025
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	15.751
环境要求 Surroundings	温度	Temperature	$^{\circ}\text{C}$	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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TEST SERIES SPECIAL MOTOR

ZRDDR-170152-10-200-DMC

电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差
表中, 如无明确说明则表示220-230VAC电源

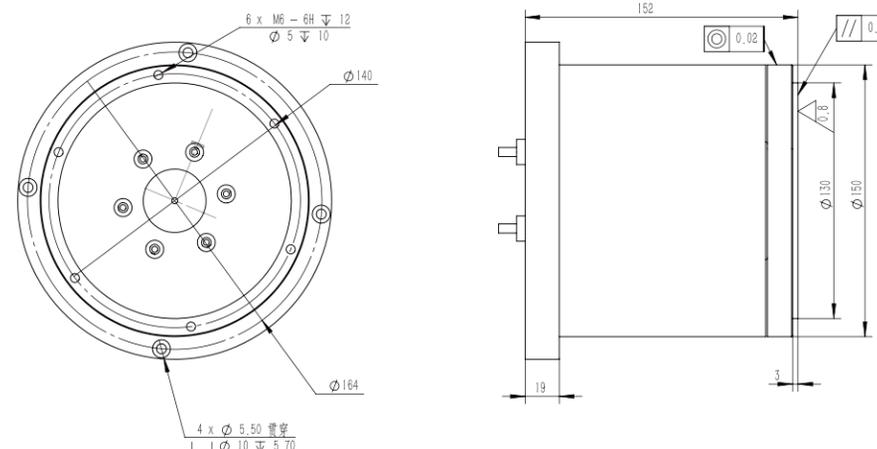
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



		性能参数Parameters		单位 (unit)	型号 (Model)
					ZRDDR-170152-10-200-DMC
尺寸 Specs	高度	Height	mm	152	
	直径	Diameter	mm	170	
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30	
	连续输出扭矩	Continuous output torque	Nm	10	
	峰值电流	Peak current	Arms	10	
	连续电流	Continuous current	Arms	3.5	
	最大速度	Maximum speed	rpm	500	
	额定速度	Nominal speed	rpm	200	
	线电阻	Line resistance	Ω	10	
	线电感	The line inductance	MH	30	
	转矩常数	Torque constant	Nm/arms	3	
	电机极数	Pole Number	-	28	
		编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	± 15	
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2	
	转子惯量	Rotor inertia	Kgm $\wedge 2$	0.02	
机械参数 Mechanical Parameters	允许轴向负荷压缩力	Allowable axial load	N	4000	
	允许径向负荷	Allowable radial load	N	4000	
	轴向跳动精度	Axial runout accuracy	um	15/5/Less	
	径向跳动精度	Radial runout accuracy	um	15/5/Less	
	质量	Design load	kg	13.55	
环境要求 Surroundings	温度	Temperature	$^{\circ}\text{C}$	40	
	湿度	Humidity	%	85	
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m	

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TEST SERIES SPECIAL MOTOR

ZRDDR-170156-10-200-DMC



电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

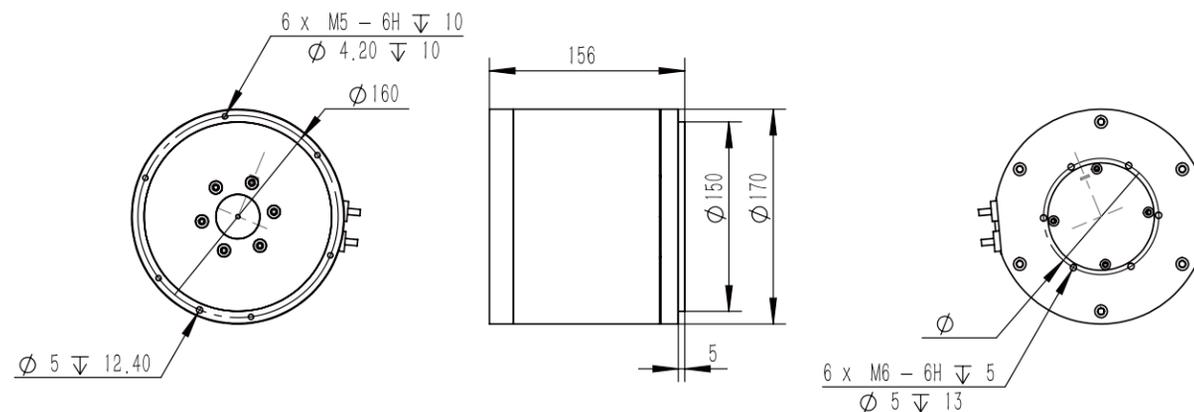
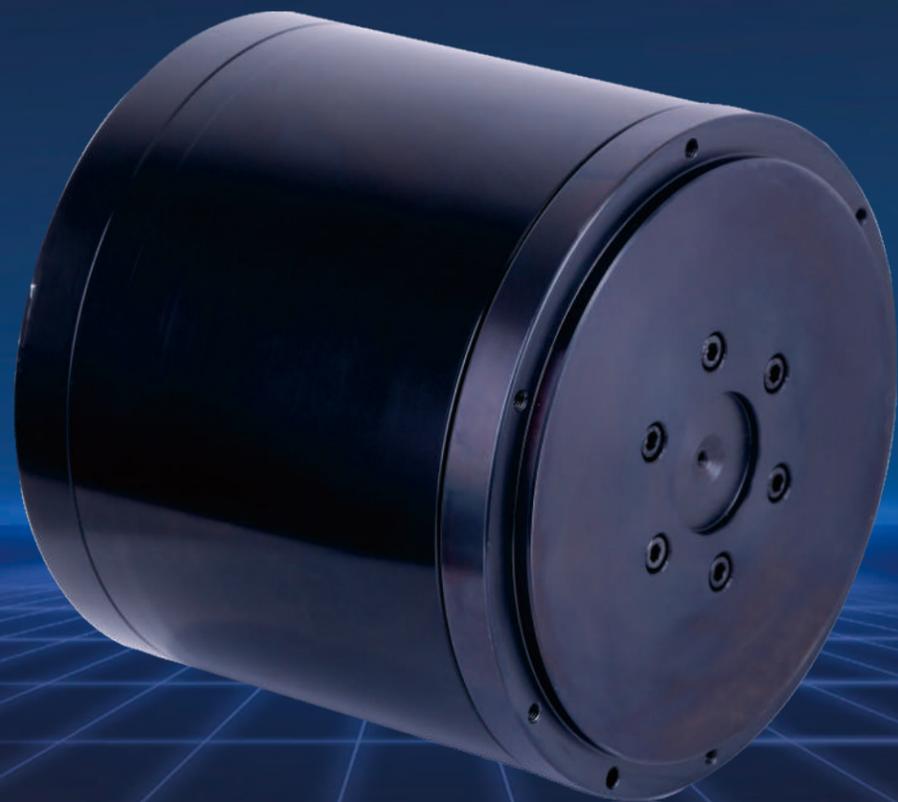
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-170156-10-200-DMC
尺寸 Specs	高度	Height	mm	156
	直径	Diameter	mm	170
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30
	连续输出扭矩	Continuous output torque	Nm	10
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	10
	线电感	The line inductance	MH	30
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	28
		编码器分辨率	Encoder resolution	pluse/rev
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	±15
	重复定位精度	Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm^2	0.01878
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	8.342
环境要求 Surroundings	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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TEST SERIES SPECIAL MOTOR

ZRDDR-170192-10-200-DMC

电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

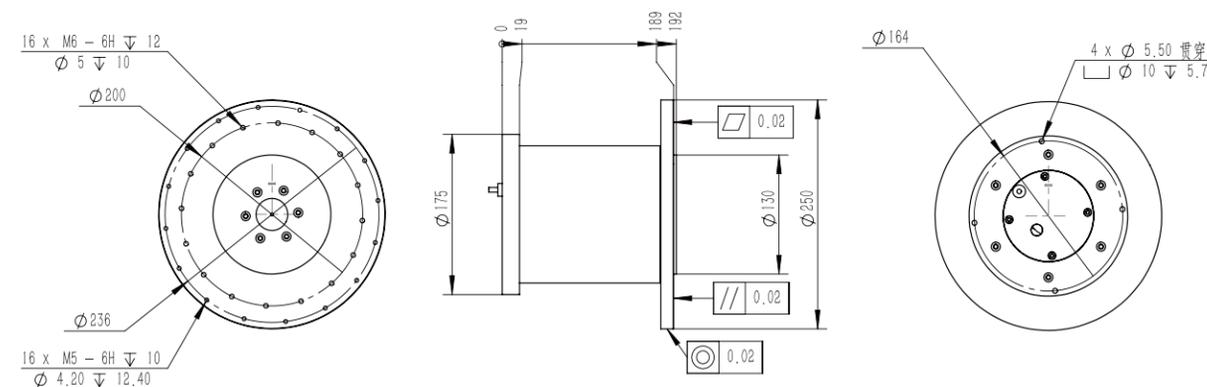
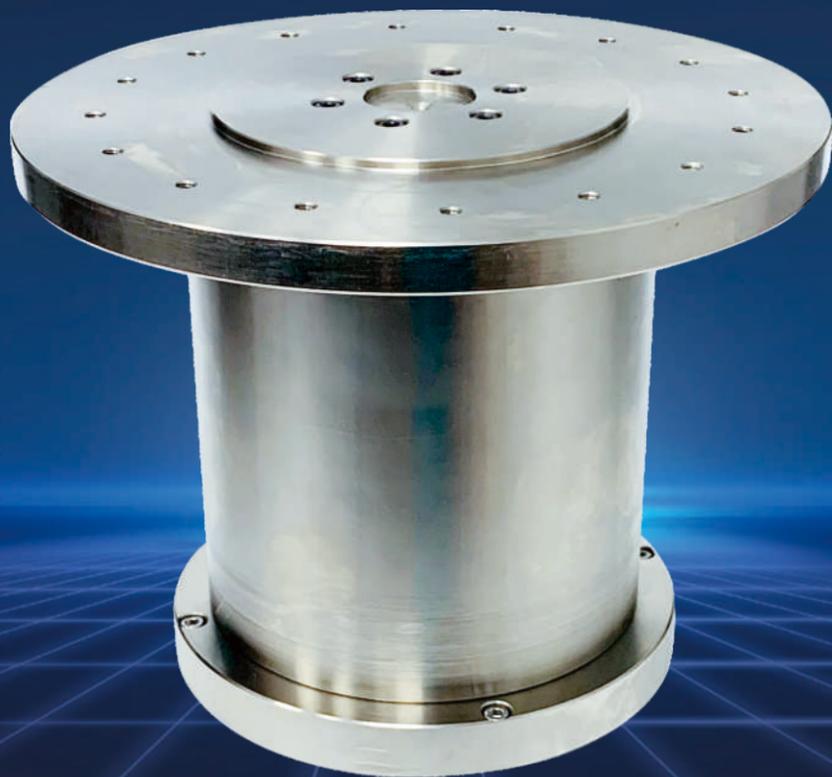
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-170192-10-200-DMC
尺寸 Specs	高度	Height	mm	192
	直径	Diameter	mm	170
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30
	连续输出扭矩	Continuous output torque	Nm	10
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	10
	线电感	The line inductance	MH	30
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	28
		编码器分辨率	Encoder resolution	pluse/rev
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	±15
	重复定位精度	Repeated positioning accuracy	arc-sec	±2
	转子惯量	Rotor inertia	Kgm∧2	0.104
机械参数 Mechanical Parameters	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	19.984KG
环境要求 Surroundings	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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检测系列专用电机

TEST SERIES SPECIAL MOTOR

ZRDDR-210139-10-200-DMC

电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

负载安装机械精度是安装面的轴向偏差和径向偏差

表中, 如无明确说明则表示220-230VAC电源

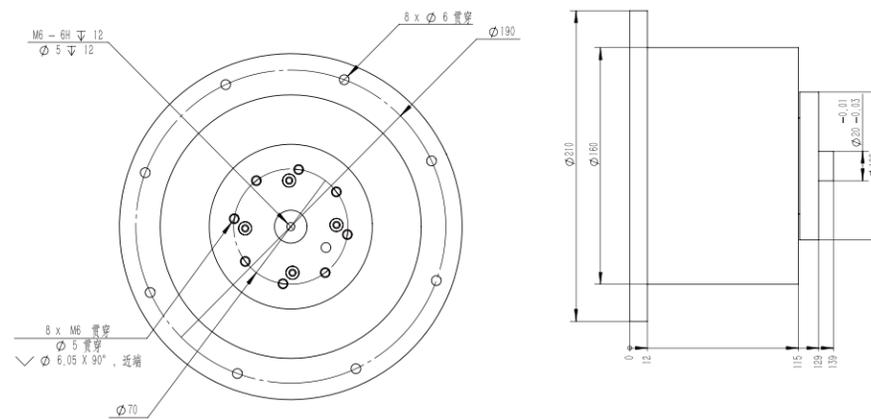
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-210139-10-200-DMC
尺寸 Specs	高度	Height	mm	139
	直径	Diameter	mm	210
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30
	连续输出扭矩	Continuous output torque	Nm	10
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	10
	线电感	The line inductance	MH	30
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	28
	编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	± 15
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm ²	0.00525
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	13.602
环境要求 Surroundings	温度	Temperature	$^{\circ}\text{C}$	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

以上技术参数仅供参考, 实际根据客户提供的数据, 会出具相关的技术参数及尺寸。
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标准中空定制电机
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检测系列专用电机 TEST SERIES SPECIAL MOTOR

ZRDDR-250149-10-200-DMC

电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

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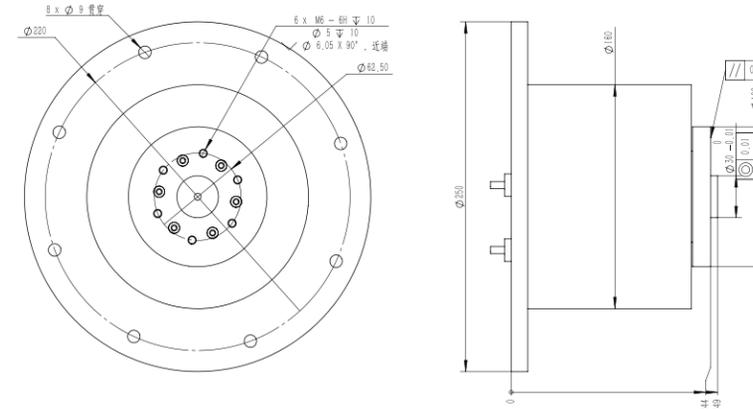
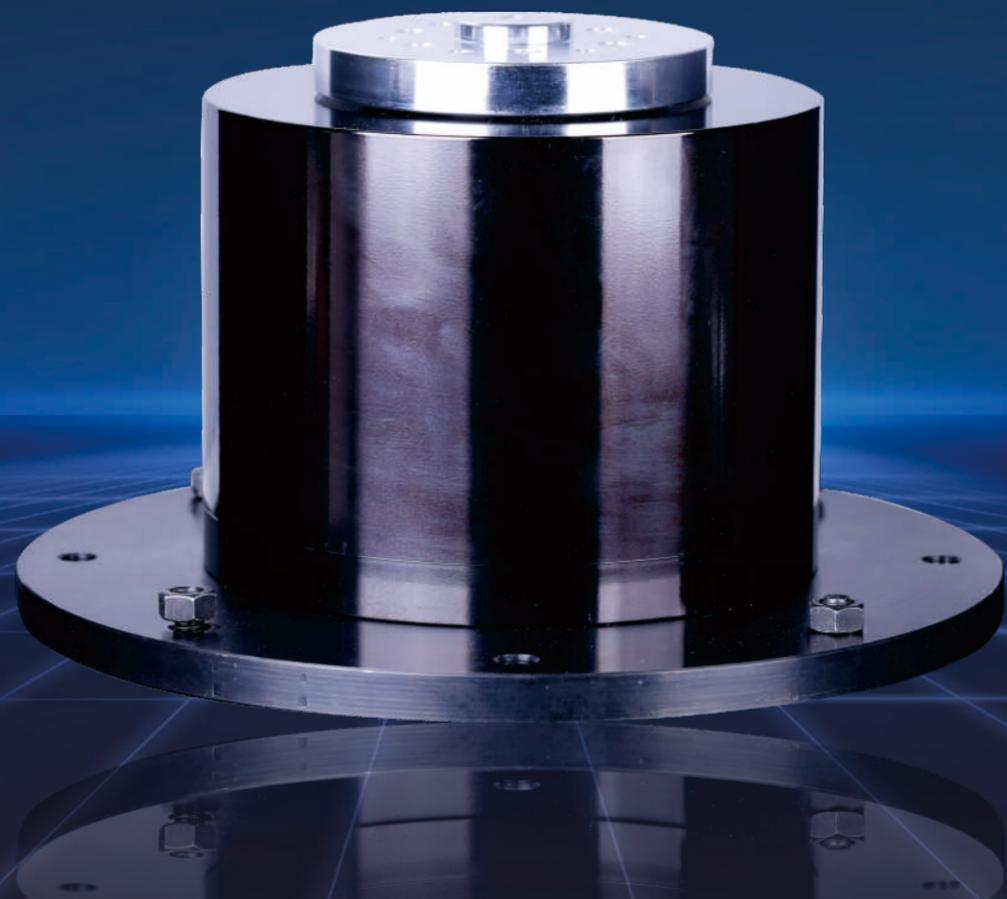
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-250149-10-200-DMC
尺寸 Specs	高度	Height	mm	149
	直径	Diameter	mm	250
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	30
	连续输出扭矩	Continuous output torque	Nm	10
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	500
	额定速度	Nominal speed	rpm	200
	线电阻	Line resistance	Ω	10
	线电感	The line inductance	MH	30
	转矩常数	Torque constant	Nm/arms	3
	电机极数	Pole Number	-	28
	编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	± 15
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm $\wedge 2$	0.0025
	允许轴向负荷压缩力	Allowable axial load	N	4000
	允许径向负荷	Allowable radial load	N	4000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	14.989
环境要求 Surroundings	温度	Temperature	$^{\circ}\text{C}$	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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检测系列专用电机 TEST SERIES SPECIAL MOTOR

ZRDDR-250200-10-200-DMC

电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

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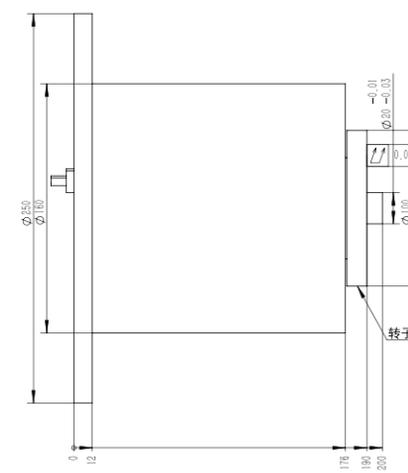
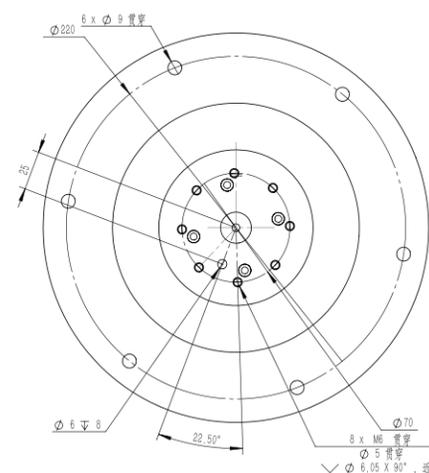
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Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



		性能参数Parameters		单位 (unit)	型号 (Model)
					ZRDDR-250200-10-200-DMC
尺寸 Specs	高度	Height	mm		200
	直径	Diameter	mm		250
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm		30
	连续输出扭矩	Continuous output torque	Nm		10
	峰值电流	Peak current	Arms		10
	连续电流	Continuous current	Arms		3.5
	最大速度	Maximum speed	rpm		500
	额定速度	Nominal speed	rpm		200
	线电阻	Line resistance	Ω		10
	线电感	The line inductance	MH		30
	转矩常数	Torque constant	Nm/arms		3
	电机极数	Pole Number	-		28
		编码器分辨率	Encoder resolution	pluse/rev	
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec		±15
	重复定位精度	Repeated positioning accuracy	arc-sec		±2
	转子惯量	Rotor inertia	Kgm^2		0.00575
机械参数 Mechanical Parameters	允许轴向负荷压缩力	Allowable axial load	N		4000
	允许径向负荷	Allowable radial load	N		4000
	轴向跳动精度	Axial runout accuracy	um		15/5/Less
	径向跳动精度	Radial runout accuracy	um		15/5/Less
	质量	Design load	kg		21.879
环境要求 Surroundings	温度	Temperature	°C		40
	湿度	Humidity	%		85
	大气环境	Atmospheric environment	-		无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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检测系列专用电机

TEST SERIES SPECIAL MOTOR

ZRDDR-200130-30-100-DMC



电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

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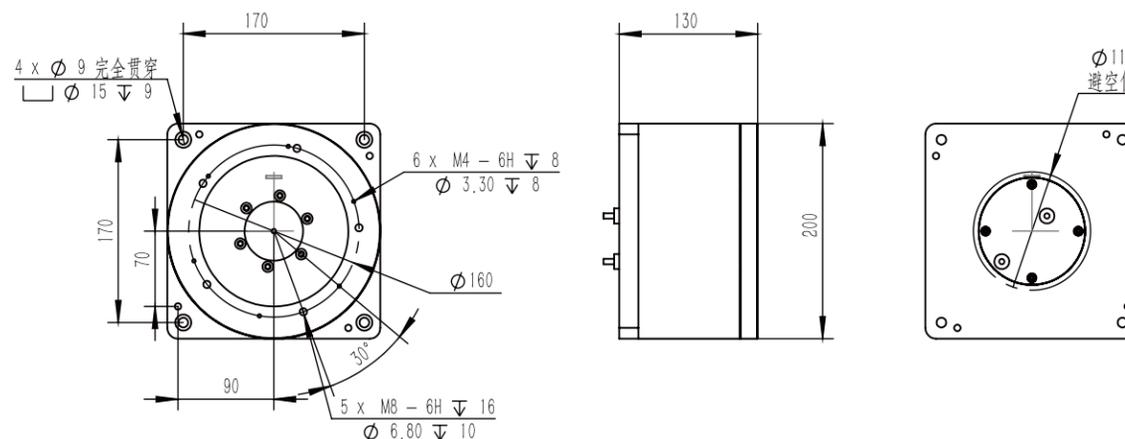
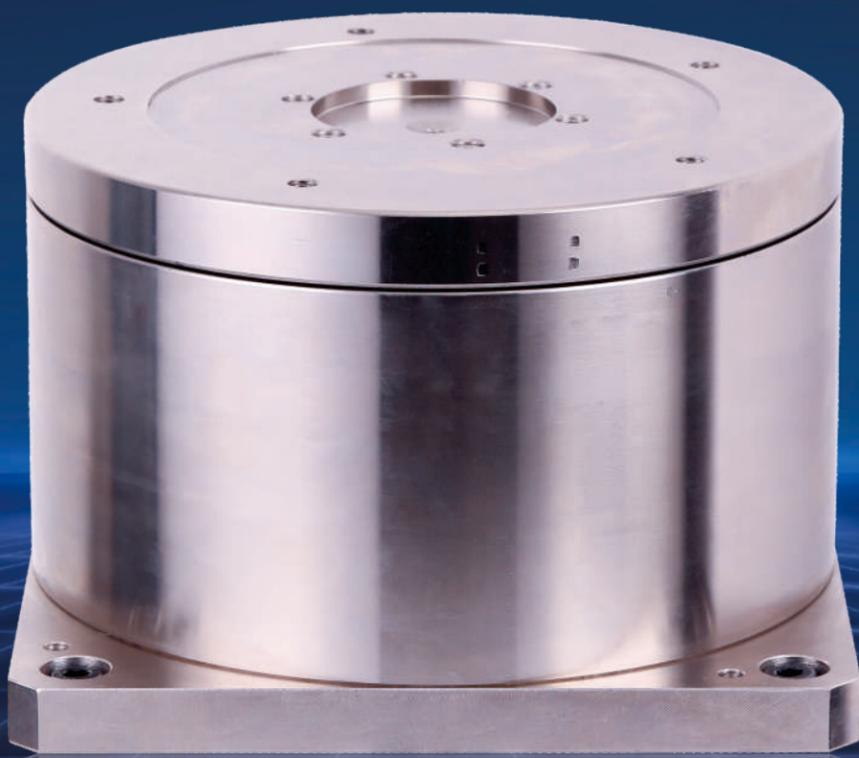
The motor allows continuous running speed up to 1000rpm

Absolute value feedback, no need to go back to zero

Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位(unit)	型号(Model)
				ZRDDR-200130-30-100-DMC
尺寸 Specs	高度	Height	mm	130
	直径	Diameter	mm	200
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	90
	连续输出扭矩	Continuous output torque	Nm	30
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	100
	线电阻	Line resistance	Ω	20
	线电感	The line inductance	MH	60
	转矩常数	Torque constant	Nm/arms	9
	电机极数	Pole Number	-	20
	编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	±15
	重复定位精度	Repeated positioning accuracy	arc-sec	±2
	转子惯量	Rotor inertia	Kgm∧2	0.05777
机械参数 Mechanical Parameters	允许轴向负荷压缩力	Allowable axial load	N	8000
	允许径向负荷	Allowable radial load	N	8000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	26.632
环境要求 Surroundings	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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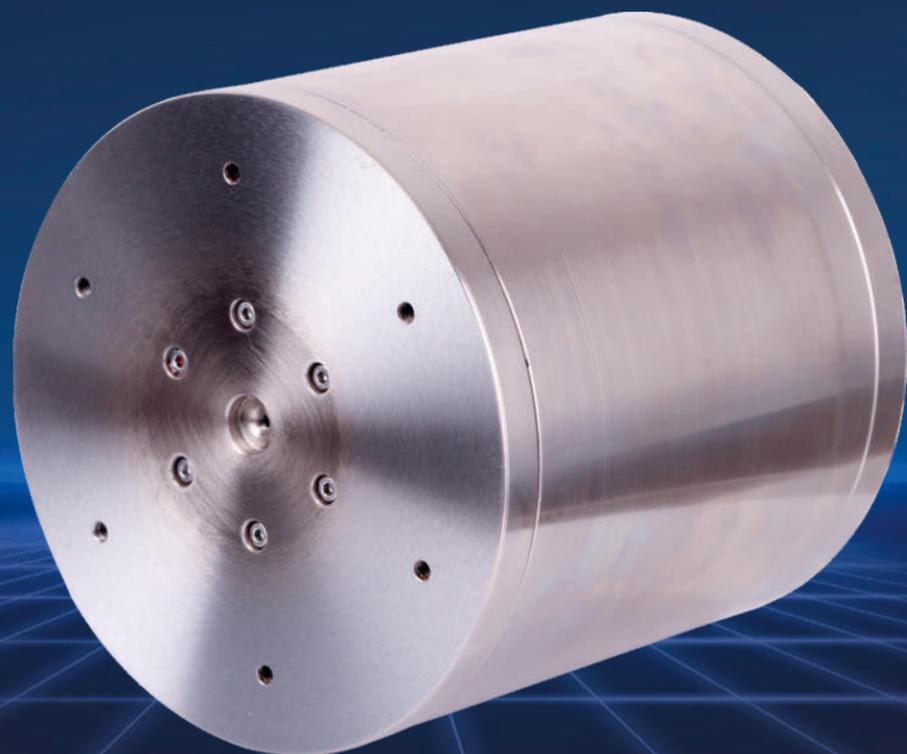
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TEST SERIES SPECIAL MOTOR

ZRDDR-180135-25-100-DMC



电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

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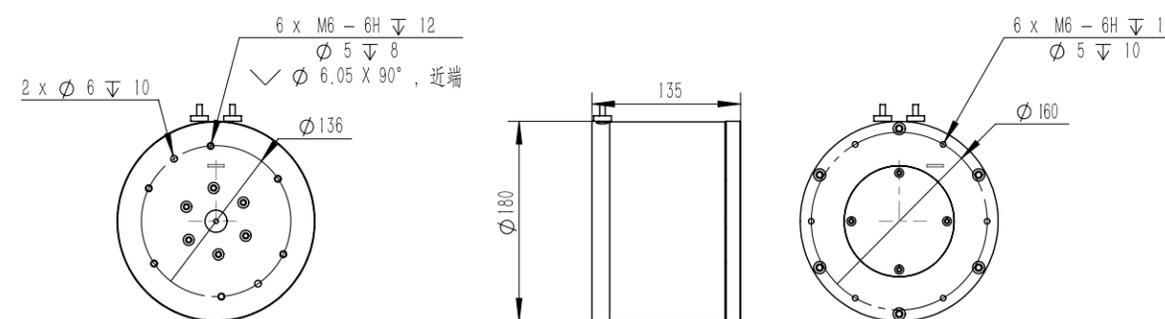
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Inner rotor type, excitation mode: 3 phase

The mechanical accuracy of load mounting is the axial and radial deviation of mounting surface

In the table, if not specified, indicates 220-230VAC power supply



性能参数Parameters			单位 (unit)	型号 (Model)
				ZRDDR-180135-25-100-DMC
尺寸 Specs	高度	Height	mm	135
	直径	Diameter	mm	180
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	90
	连续输出扭矩	Continuous output torque	Nm	30
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	100
	线电阻	Line resistance	Ω	20
	线电感	The line inductance	MH	60
	转矩常数	Torque constant	Nm/arms	9
	电机极数	Pole Number	-	20
	编码器分辨率	Encoder resolution	pluse/rev	8388608
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	±15
	重复定位精度	Repeated positioning accuracy	arc-sec	±2
机械参数 Mechanical Parameters	转子惯量	Rotor inertia	Kgm^2	0.0405
	允许轴向负荷压缩力	Allowable axial load	N	8000
	允许径向负荷	Allowable radial load	N	8000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
质量	Design load	kg	19.164	
环境要求 Surroundings	温度	Temperature	°C	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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TEST SERIES SPECIAL MOTOR

ZRDDR-180180-50-100-DMC



电机允许连续运转速度可达500rpm

绝对值反馈方式, 无需回零

内转子型, 励磁方式: 3相

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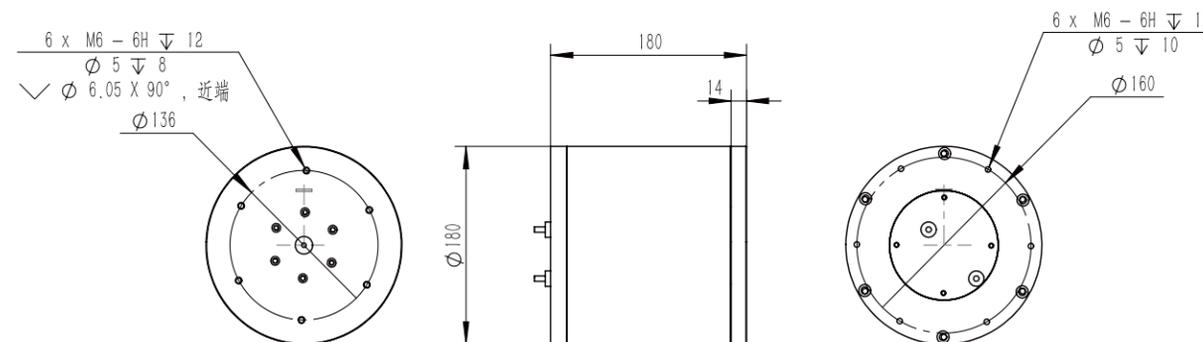
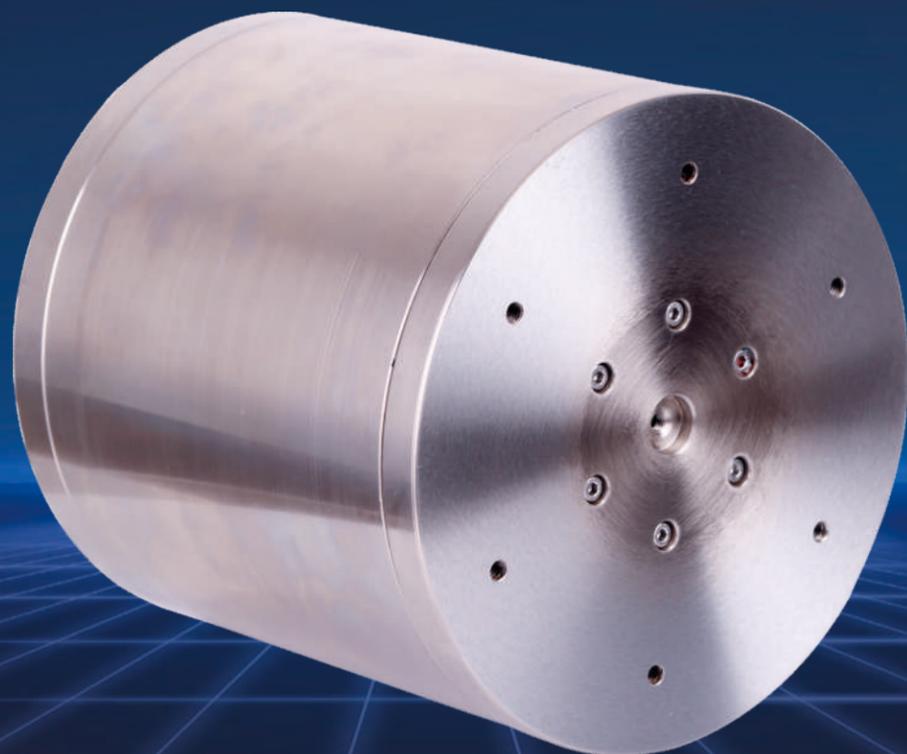
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性能参数Parameters			单位(unit)	型号(Model)
				ZRDDR-180180-50-100-DMC
尺寸 Specs	高度	Height	mm	180
	直径	Diameter	mm	180
电气参数 Electrical Parameters	最大输出转矩	Maximum output torque	Nm	90
	连续输出扭矩	Continuous output torque	Nm	30
	峰值电流	Peak current	Arms	10
	连续电流	Continuous current	Arms	3.5
	最大速度	Maximum speed	rpm	300
	额定速度	Nominal speed	rpm	100
	线电阻	Line resistance	Ω	39
	线电感	The line inductance	MH	120
	转矩常数	Torque constant	Nm/arms	9
	电机极数	Pole Number	-	20
		编码器分辨率	Encoder resolution	pluse/rev
定位精度	绝对定位精度	Absolute positioning accuracy	arc-sec	± 15
	重复定位精度	Repeated positioning accuracy	arc-sec	± 2
	转子惯量	Rotor inertia	Kgm ²	0.02835
机械参数 Mechanical Parameters	允许轴向负荷压缩力	Allowable axial load	N	9000
	允许径向负荷	Allowable radial load	N	9000
	轴向跳动精度	Axial runout accuracy	um	15/5/Less
	径向跳动精度	Radial runout accuracy	um	15/5/Less
	质量	Design load	kg	26.792
环境要求 Surroundings	温度	Temperature	$^{\circ}\text{C}$	40
	湿度	Humidity	%	85
	大气环境	Atmospheric environment	-	无腐蚀性气体, 尘埃, 海拔1000m以下 Non-corrosive gases and dust, The altitude is below 1000m

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应用行业

包装设备

半导体设备

机床行业

光伏设备

3C设备

印刷设备

手机行业

绕线设备

医疗行业

TP行业

3C设备

激光设备

SMT设备

检测行业

LED设备

机器人

锂电设备

智融科技的产品已覆盖近30个行业50多种机型和应用,我们通过多年来对行业设备工艺及应用的积累,创造性地将客户的工艺需求和驱动产品结合,能为客户设备提供极具性价比的行业专机产品,一方面降低客户的物料成本,同时为客户节约制造工时,减少售后维护成本;另一方面,基于电力电子控制技术的深刻理解,我们能够通过研发和技术投入,持续为客户提高设备的效率和精度,从而提高设备的竞争力。

Of melting technology products has covered nearly 30 industry more than 50 models and applications, through our years of industry equipment technology and application of accumulation, creatively combines the technology needs of customers and drive products, can provide customers equipment with a very competitive industry special products, on the one hand, reduce the material cost of customer, at the same time for customers to save time, reduce the after-sales maintenance This; On the other hand, based on our deep understanding of power electronic control technology, we are able to continuously improve the efficiency and precision of equipment for customers through r&d and technical investment, thus improving the competitiveness of equipment.



采用先进的控制和功率转换技术,全新的电流环设计,速度环带宽达到业内领先的3kHz具有先进的自适应调谐、自适应滤波器、惯量辨识等多种高级功能
支持模拟量电压、脉冲序列、ECAT总线等多种控制模式,功率范围覆盖到100W—3000w

Advanced control and power conversion technology, new current loop design, speed loop bandwidth up to the industry leading 3kHz with advanced adaptive tuning, adaptive filter, inertia identification and other advanced functions
Support analog voltage, pulse train, ECAT bus and other control modes, power range to 100W - 3000W

电气规格 (P、N) 220V

项目	SIZE-A型		SIZE-B型	SIZE-C型	
驱动器型号 ZRT-**-*	A1R6	A2R8	A5R5	C7R6	C012
连续输出电流Arms	1.6	2.8	5.5	7.6	12.0
最大输出电流Arms	5.9	9.3	16.9	17	28
输入电源电压规格	单相AC200V-240V,+10~-15%,50/60Hz			三相AC200V-240V,+10~-15%,50/60Hz	
制动处理功能	制动电阻外接			制动电阻内置	
内置制动电阻阻值(Ω)	—	—	50	25	25
内置制动电阻容量(W)	—	—	50	80	80
外置制动电阻最小阻值(Ω)	40	40	40	20	15

安全标准

支持安全标准认证 (Safe Torque Off功能)。

国外标准

支持UL/cUL (北美标准)、CE (欧洲标准)。



支持国内外各种现场总线



最适合装置的物联网化!!

●丰富的监视功能!

通过当前位置、速度、电子过热保护值、报警等丰富的监视功能,可监视直驱马达的当前状态。

●新增可用作预防性保养的监视功能!

- 扭矩负载率 可监视当前的扭矩负载率。
- 加速度 可监视当前的加速度。

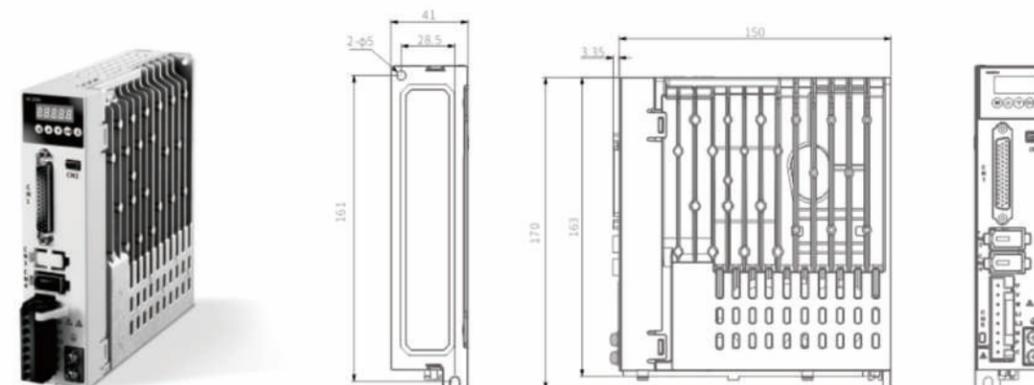
●新增网络运行模式 (直接输入模式)!

使用网络运行模式时,可从上位控制器灵活定位至任意位置。

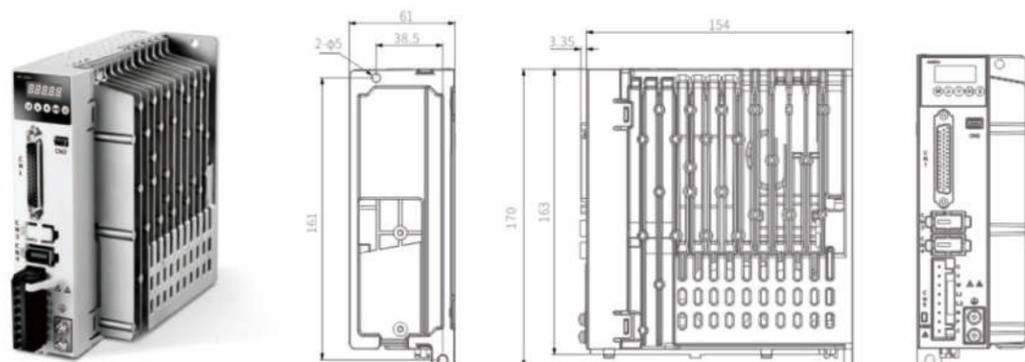
电气规格 (P、N) 380V

项目	SIZE-C型			
驱动器型号 ZRT-**-*	T3R5	T5R4	T8R4	T012
连续输出电流Arms	3.5	5.5	8.4	12
最大输出电流Arms	8.5	14.0	20.0	24.0
输入电源电压规格	三相AC380V-440V,+10~-15%,50/60Hz			
制动处理功能	制动电阻内置			
内置制动电阻阻值(Ω)	100	100	50	50
内置制动电阻容量(W)	80	80	80	80
外置制动电阻最小阻值(Ω)	80	60	45	45

尺寸图 SIZE-A



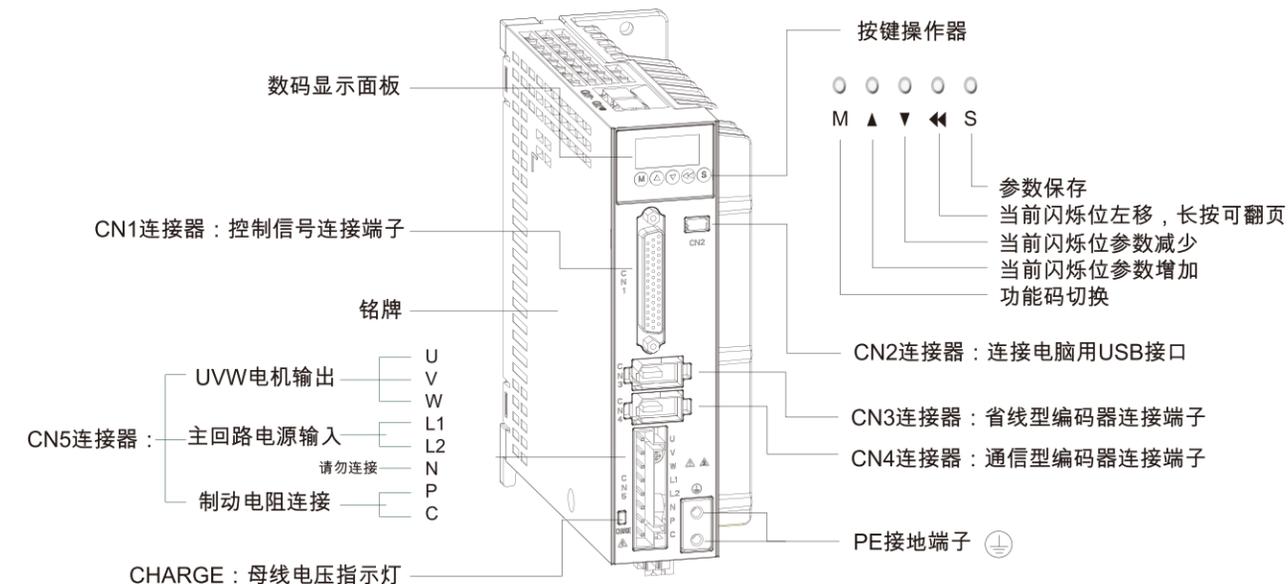
尺寸图 SIE-B



产品命名



智融驱动器组成



智融驱动器规格

电气规格

项目	SIZE-A 型				SIZE-B 型		
驱动器型号 ZRT-R*-PA**	R70	R90	1R6	2R8	3R8	5R5	7R6
连续输出电流 Arms	0.7	0.9	1.6	2.8	3.8	5.5	7.6
最大输出电流 Arms	2.1	3.2	5.9	9.3	11	16.9	17
输入电源电压规格	单相 AC200V-240V, +10~-15%, 50/60HZ						
输入电源电流规格 Arms	0.8	1.6	2.4	5	6.3	8.7	10
制动处理功能	制动电阻外接				制动电阻内置		
内置制动电阻阻值 (Ω)	—	—	—	—	50	50	50
内置制动电阻容量 (W)	—	—	—	—	50	50	50
外置制动电阻最小值阻值(Ω)	40	40	40	40	40	40	40