

MU CHUN
木春电机

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MU CHUN
木春电机

超高效率 动力强劲 性能稳定
ULTRA-HIGH EFFICIENCY POWERFUL AND STRONG STABLE PERFORMANCE

MU CHUN MOTOR



无刷减速电机
BRUSHLESS SPEED REDUCTION MOTOR

永磁电机
PERMANENT MAGNET MOTOR

广东木春电机工业有限公司
GUANG DONG MU CHUN MOTOR INDUSTRY CO., LTD.



公司简介

Company profile

广东木春电机工业有限公司成立于2017年，总部位于广东东莞，厂房面积6000平，产品范围涉及微型减速电机，中型齿轮减速电机，铝壳电机，硬齿面减速电机，无刷电机，永磁电机及永磁减速电机，直驱电机，力矩电机，直线电机，中空旋转平台及行星减速机。产品广泛应用于物流自动化，包装印刷机械，各种生产线设备，新能源设备，其中公司开发的DD马达及直线电机用于激光加工，视觉检测，精密加工机床，晶圆搬运等高端制造高端精密设备。服务客户包含长城，吉利，比亚迪，长安汽车，美的，海尔，宁德时代，老板电器等国内知名企业，获得广大客户一致好评。

同时木春电机与国内多家院校及研究院保持长期合作，不断在技术和创新方面自我突破，致力于为客户提供质量可靠，性能稳定，技术过硬的电机减速机产品。

我们在行进道路上以“勇担重任，追求卓越，引领创新”的企业精神登高望远，恪守“品德至上，品质精优，品牌卓越”的企业核心价值观，为客户提供优质动力解决方案，为客户创造真正的价值。

Guangdong muchun motor Industry Co., Ltd.. was established in 2017. Its headquarters is located in Dongguan, Guangdong Province, with a factory area of 6,000 square meters. The product range includes miniature reduction motors, medium-sized gear reduction motors, aluminum shell motors, hard toothed reduction motors, brushless motors, permanent magnet motors and permanent magnet reduction motors, direct drive motors, torque motors, linear motors, hollow rotating platforms and planetary reduction gears. The products are widely used in logistics automation, packaging and printing machinery, various production line equipment, new energy equipment, among others. The company has developed DD motors and linear motors for high-end manufacturing and precision equipment such as laser processing, visual inspection, precision machining machines, and wafer handling. The company's clients include domestic such as Great Wall, Geely, BYD, Changan Automobile, Midea, Haier, Ningde Time, and Boss Electric Appliances, and has received unanimous praise from customers.

At the same time, muchun motor Machinery maintains long-term cooperation with many domestic universities and research institutes, constantly breaking through in technology and innovation, and is committed to providing customers with reliable, stable performance, and high-quality motor reduction gear products.

On our journey forward, we uphold the corporate spirit of "taking on responsibilities bravely, pursuing excellence, and leading innovation", looking towards the future with vision, adhering to the core corporate values of "morality first, excellent quality, outstanding brand", and providing customers with high-quality power solution solutions to create real value for customers.



无刷光轴电机
Brushless optical shaft motor



无刷减速电机
Brushless speed reduction motor



无刷减速电机
Brushless speed reduction motor



无刷直角电机
Brushless right-angle motor



永磁电机
Permanent magnet motor



永磁减速电机
Permanent magnet reduction motor



高性能材料 High-performance materials

硅钢350，470，600高性能材料。
Silicon steel with grades 350, 470 and 600, featuring high performance.



高可靠性 High reliability

采用H级(180度)、(200度)耐高温漆包线及绝缘材料，安全余量大。
Using H-class (180-degree) and (200-degree) high-temperature-resistant enameled wires and insulating materials, the safety margin is very large.



超低噪音 Ultra-low noise

采用高精度滚齿机和滚刀加工高精度斜齿轮，精度高达IT5~6级；
采用合金钢渗碳热处理，长期运转变形小，精度高。
High-precision gear processing is carried out using a high-precision gear hobbing machine and gear cutters, achieving a precision level of IT5 to IT6. Alloy steel carburizing heat treatment is adopted, resulting in minimal deformation during long-term operation and high precision.



结构牢固 Strong structure

渗碳齿轮，磨齿工艺，耐磨耐用，连接在冲击负载，正反转运转不易损坏。
直角减速箱采用格雷森弧齿结构，传动效率高，无自锁、牢固耐用。
Carburized gears, grinding process, wear-resistant and durable, capable of withstanding impact loads, and not prone to damage during forward and reverse rotation. The right-angle reducer adopts the Grayson involute structure, featuring high transmission efficiency, no self-locking function, and being sturdy and durable.

无刷减速电机
BRUSHLESS SPEED REDUCTION MOTOR



产品特点
PRODUCT FEATURES

► 无刷电机的基本特点/ The basic characteristics of brushless motors

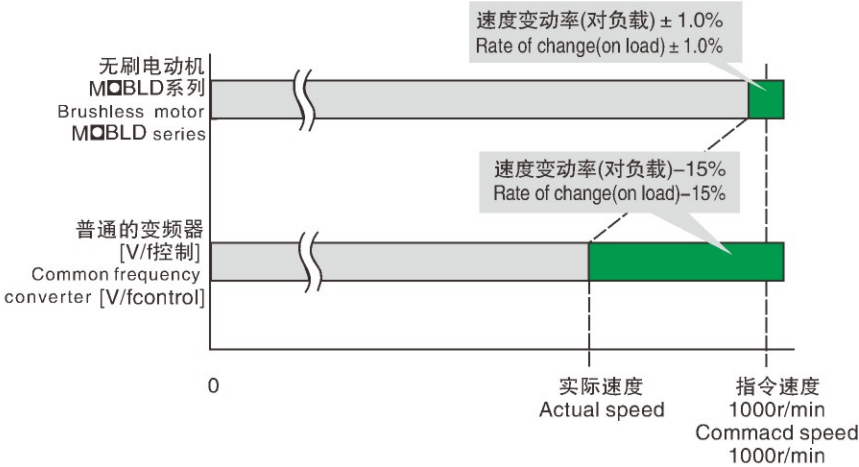
无刷电机上，无需使用通常被认为是DC电动机缺点的刷子和整流子等机械触点，DC电动机使用刷子和整流子进行旋转，因此需要定期进行维护；而无刷电动机使用霍尔IC检测到的信号，利用驱动电路的晶体管的ON/OFF进行旋转，因此无需维护。

On brushless motor, it is unnecessarily using brush, commutator and other mechanical contact. Brush motor need brush and commutator to rotating, so it need to regular maintain. However, brushless motor used Hall IC to detect the signal and used driving circuit of crystal catheter' s ON/OFF. So it dispense with maintain.

► 可进行稳定的速度控制/ Stable Speed Control

无刷电动机持续对设定速度和来自电动机的速度反馈信号进行对比，来调节施加到电动机上的电压；因此，即使负载状况发生变化，仍可以从低速瞬间调整到设定速度，并以此稳定的速度运行。使用变频器操控的三相感应电动机不进行反馈控制，因此负载变大时，速度会大幅下降；对于速度稳定性要求较高的用途，建议使用无刷电动机。

Brushless DC motors compare the setting speed with the speed feedback signal from the motor at all times and adjust the motor' s applied voltage. For this reason, even if the load changes, stable rotation is performed from low speed to high speed. Common inverter-controller three-phase induction motors do not have this type of feedback control and when the load changes, the speed can be affected. Brushless DC motors are recommended for applications that require the speed to be maintained regardless of the load fluctuation.



► 宽广的速度控制范围（目前是限速到2500RPM）

Wide range of speed control (currently limited to 2500 RPM)

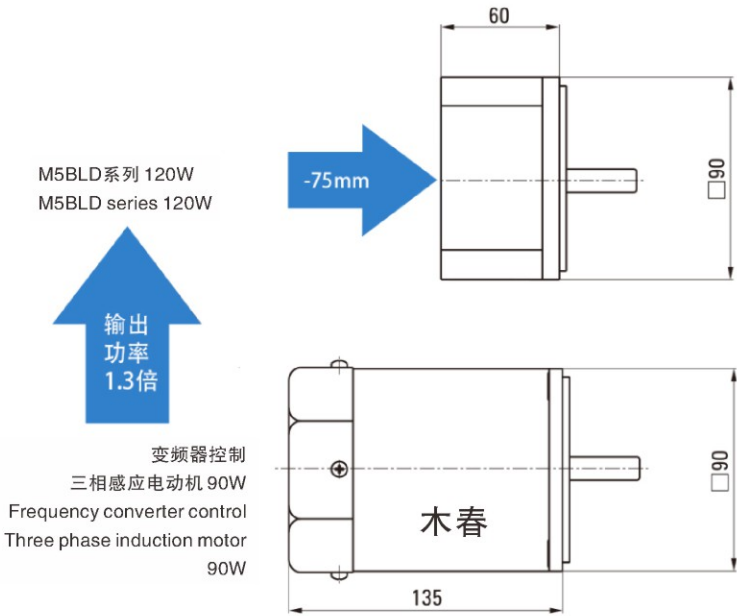
无刷电动机的速度控制范围比AC调速电动机及变频器更广，由于不像AC调速电动机那样在低速时有使用转矩限制，因此，无刷电动机适用于从低速到高速都需要一定转矩的用途。

The brushless DC motor has a broader speed control range compared to three-phase inverter driven motors. Unlike three-phase inverter driven motors, the torque at low speed is not limited, so brushless DC motors are suited for applications that require constant.

产品样式 Product Style	速度控制范围 Speed Control Range	速度比 Rate Ratio
无刷电动机 Brushless motor	80~2500	50
AC调速电动机AC speed regulating motor	50Hz:90~1400	15
	60Hz:90~1600	17

►薄型、大功率/Thin,High Power

无刷电动机的转子使用永磁体，因此实现了薄型和大功率;比如，与安装尺寸90的三相感应电动机相比总长缩短>75mm，输出功率达到1.3倍。若采用无刷电动机，有助于实现装置的小型化。
Brushless DC motors have a slim body and provide high power due to permanent magnets being used in the rotor.For example, the overall length is 75mm shorter and the output power is 1.3 times higher than that of three-phase induction motors with a frame size of 90mm.Using brushless DC motors can contribute to downsizing and space saving.



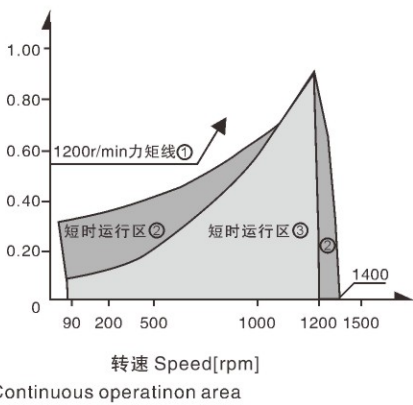
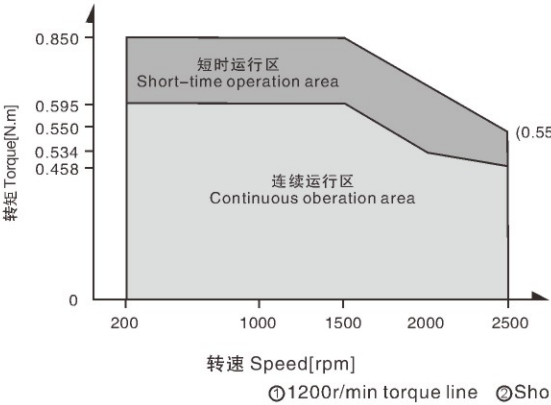
►搭载保护功能，有助于保护设备系统的安全/Protection Function,Help To Protect The Safety Of The Equipment System

由于加载了过流、欠压、缺相等保护功能，因此可保证设备系统运行时的安全。
Due to the load of the overcurrent, undervoltage, open phase protection, for this reason can ensure the safety of equipment system.

►低速大力矩性能/ Low Speed And High Torque Performance

无刷直流减速电机低速时可维持大力矩连续运行，且运行平稳。
DC brushless motor have a steady big torque when running at low speed.

■ M120-05-220-25S 曲线图Diagram(D标准驱动器 D Standard Drive) ■ 5IK120RGU-CF(220V/50Hz)(ZD标准驱动器 ZD Standard Drive)



■ 无刷、交流调速且连续运行性能一览表/Working performance table of brushless motor and ac speed adjustable motor

序号 Serial Number	M120-05-220-25S					5IK120RGU-CF				
	力矩 Moment	转速 Speed	电流 Current	效率 Efficiency	温升 Temperature Rise	力矩 Moment	转速 Speed	电流 Current	效率 Efficiency	温升 Temperature Rise
	N.m	rpm	A	%	K	N.m	rpm	A	%	K
1	0.595	200	0.485	26.5	≤50K	0.010	200	0.850	3.00	≤80K
2	0.595	500	0.671	47.5	≤50K	0.150	500	1.070	8.00	≤80K
3	0.595	1000	0.966	62.0	≤40K	0.500	1000	1.186	32.5	≤80K
4	0.595	1500	1.200	69.0	≤40K	0.57	1400	0.981	60.0	≤55K
环境温度-10℃~+40℃下使用/Ambient temperature-10℃~+40℃ environment										

►电机的规格--转速/Motor specifications – speed

电机轴转速 Motor Speed	减速比 Reduction Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	20	25
200~1500RPM		67~500	56~417	40~300	33~250	27~200	22~167	20~150	16~120	13~100	11~83	10~75	8~60
2000RPM		667	556	400	334	267	223	200	160	134	112	100	80
2500RPM		833	695	500	417	334	278	250	200	167	139	125	100

电机轴转速 Motor Speed	减速比 Reduction Ratio	30	36	50	60	75	90	100	120	150	180	200
200~1500RPM		7~50	6~42	4~30	3~25	3~20	2~17	2~15	2~12.5	1.5~10	1~8	1~7.5
2000RPM		67	56	40	34	27	23	20	17	14	12	10
2500RPM		84	70	50	42	34	28	25	21	17	14	12.5

►电机的规格--产品种类/Motor specifications – product categories

电动机 Motor	方形尺寸 Square Size	输出功率 Output Power	机型 Model	驱动器 Driver 电源电压Voltage Supply
	80X80	40、60	标准型 Standard type IP54	DC24~48V 单相 Single phase 220~240V
	90X90(GN)	40、60		
	90X90(GU)	90、120、200		
	104X104	200、400、550W		

型号阅读方法
 PRODUCT CODE

▶电动机/Motor

M - 90 - 05 - 220 - 25S - G
 ① ② ③ ④ ⑤ ⑥

①	公司名称 Comanpy	木春电机 MUCHUN MOTOR
②	输出功率 (W)Output power (W)	型号尺寸 Model & Dimension (例e.g) 90: 90W 120:120W 200:200W
③	电机安装框号 Motor installation frame number	05:90*90 06:100*100
④	电源电压 Voltage	(例e.g)24: 24VDC(可选电压24V~48VDC,单相100V~120VAC,单相220V~240VAC,50/60Hz) 24: 24VDC (Optional voltage 24V~48VDC, single phase 100V~120VAC, single phase 220V~240VAC, 50/60Hz)
⑤	电机转速 Motor speed	(例e.g) 25S: 2500RPM 低压时为30S Low voltage for 30S
⑥	G:齿轴 A:圆轴型 G: Axial output A: Circular shaft type	

▶方型减速器/Square Shape Gearbox

5 GU 50 KB
 ① ② ③ ④

①	减速机安装尺寸 Gearhead frame size	2: 60mm 4: 80mm 5: 90mm 6: 104mm
②	类型Gear type	G: GN型齿轮轴 GN type gear GU: GU型齿轮轴 GU type gear
③	减速比 Gear ratio	(例e.g) 50: 减速比 50: Reduction ratio
④	轴承种类 Bearing type	K: 滚珠轴承(对GU型方箱体标注为KB) K: Ball bearing (On the GU type square box marked as KB)

▶L型减速器/L Type Gearbox

5 GU 50 LC
 ① ② ③ ④

①	减速机安装尺寸 Gearhead frame size	2: 60mm 4: 80mm 5: 90mm 6: 104mm
②	类型Gear type	GN: L型齿轮轴(针对L系列2&4) Type GN gear shaft (For L series 2&4) GU: GU型齿轮轴(针对L系列5&6) Type GU gear shaft (For L series 5&6)
③	减速比 Gear ratio	(例e.g) 50: 减速比 50: Reduction ratio
④	减速箱类型 Bearing type	LC: L型空心轴输出减速器 LC: L-type hollow shaft output reducer RC: 弧锥齿空心轴输出 RC: Arc-curved tooth hollow shaft output RT: 弧锥齿实心轴输出 RT: Arc-curved tooth solid shaft output

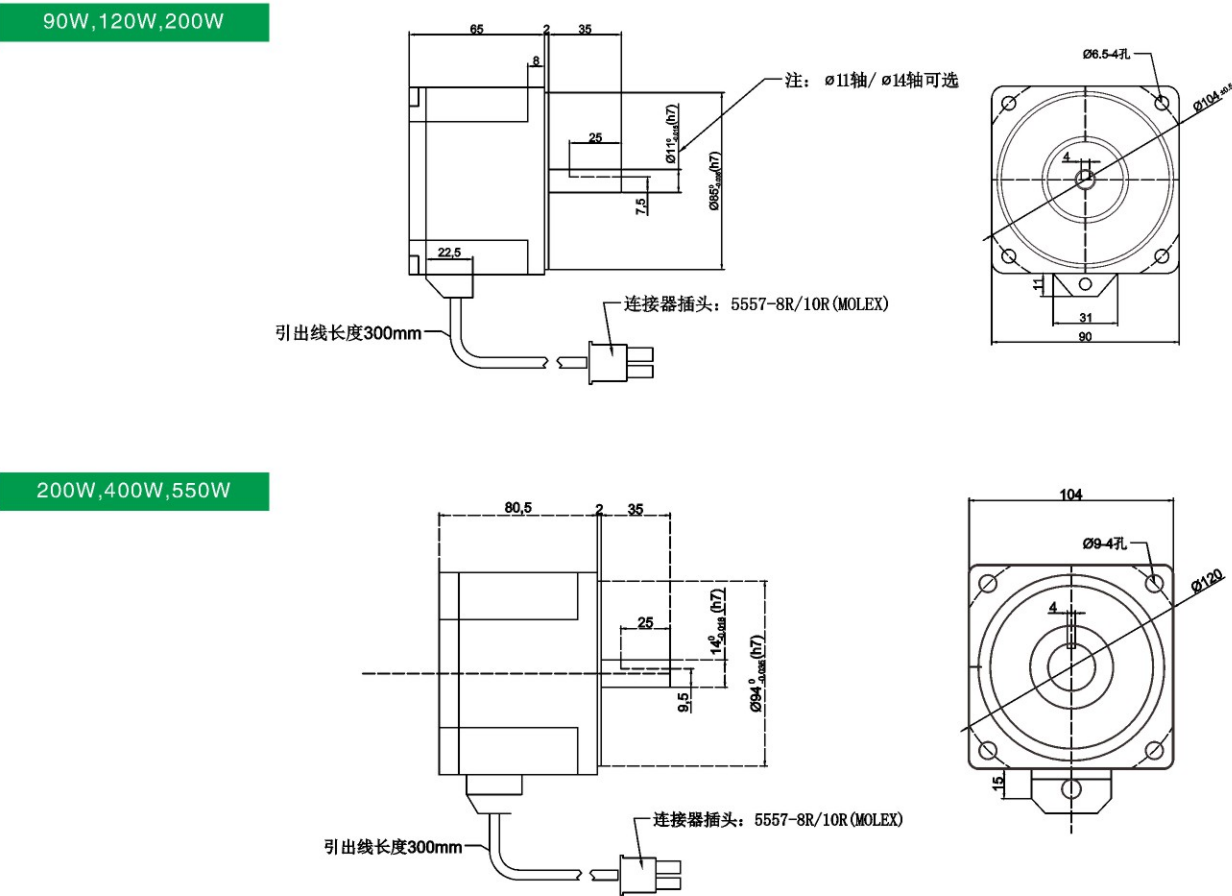
无刷光轴电机
 Brushless optical shaft motor



▶技术参数/Technical specification

功率 Power	安装尺寸 Installation dimensions	电压 Voltage	电流 Current	扭矩 Torque	转速范围 Speed range	绝缘等级 Insulation class	防护等级 Protection level
120W	90*90	220V	1.23A	0.57N.M	200-2500	F	IP55
200W	90*90	220V	1.95A	1.05N.M	200-2500	F	IP55
200W	104*104	220V	1.91A	1.13N.M	200-2500	F	IP55
400W	104*104	220V	3.75A	1.85N.M	200-2500	F	IP55
550W	104*104	220V	4.8A	2.63N.M	200-2500	F	IP55

▶尺寸图/Dimension figure



5系列直流无刷减速电机 (GU型) (120W,200W)

5 series brushless DC speed reducer motor (Gu type) (120W, 200W)



▶ 电机基本特性/Basic Characteristics Of Motor

■ 120W (DC电源时适用于24VDC/36VDC/48VDC)/120W(DC Power Supply When Applied To 24VDC/36VDC/48VDC)

额定功率(连续)Rated power(continuous)		W	120(60W/90W/120W/200W)			
额定转速 Rated speed		r/min	2500			
额定转矩 Rated torque		N.m	0.458			
瞬时最大转矩Instantaneous maximum torque		N.m	0.687			
转子转动惯量Rotor moment of inertia		J:X10 ⁻⁴ kg.m ²	0.250			
速度控制范围 Speed control range		RPM	高压High pressure 200–2500RPM(低压Low pressure 200–3000RPM)			
速率变化率 Speed control range	对负载On load		±1.0%以下:条件额定转矩、额定转速、额定电压、常温 Below ±1%: condition rated torque, rated speed, rated voltage, room temperature			
	对电压On voltage		±1.0%以下:条件额定电压±10%、额定转速、额定负载、常温 Below ±1%: condition rated voltage ±10%, rated speed, rated load, room temperature			
	对温度On temperature		±1.0%以下:条件使用环境温度0~+40℃ 额定转速、额定负载、额定电压 Below ±1%: Conditions of ambient temperature 0~ +40℃ rated voltage, rated load and rated speed			
电源输入 Power input	额定电压 Rated voltage		V	单相Single phase 110V	单相Single phase 220V	24VDC(可选Optional 36VDC/48VDC)
	电压容许范围 Voltage tolerance range			±10%		
	频率 Frequency		Hz	50/60	/	
	频率容许范围 Frequency tolerance range			±5%	/	
	额定输入电流 Rated input current		A	3.5	2.0	6.8
	瞬时最大输入电流 Instantaneous maximum input current	A	7.0	4.5	13.0	

▶ 方型减速电机 Square-shaped reduction motor

■ M120-05-220-25S(5GU-KB) 整机容许力矩(单位: N.m)/ Machine Allowable Torque (Unit: N.m)

型号 Model	电机轴转速 Motor Speed	减速比 Reduction Ratio	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
M120-05 ■ GU	200~1500RPM		3.62	4.34	4.35	5.44	6.53	7.83	7.87	9.83	11.8	14.2	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000RPM		3.06	3.68	3.68	4.60	5.52	6.63	6.66	8.32	9.98	12.0	16.6	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2500RPM		2.78	3.34	3.35	4.18	5.02	6.02	6.05	7.56	9.08	10.9	15.1	18.2	20.0	20.0	20.0	20.0	20.0	20.0

▶ 技术参数/Technical specification

■ M200-05-220-25S(5GU-KB) 整机容许力矩(单位: N.m)/ Machine Allowable Torque (Unit: N.m)

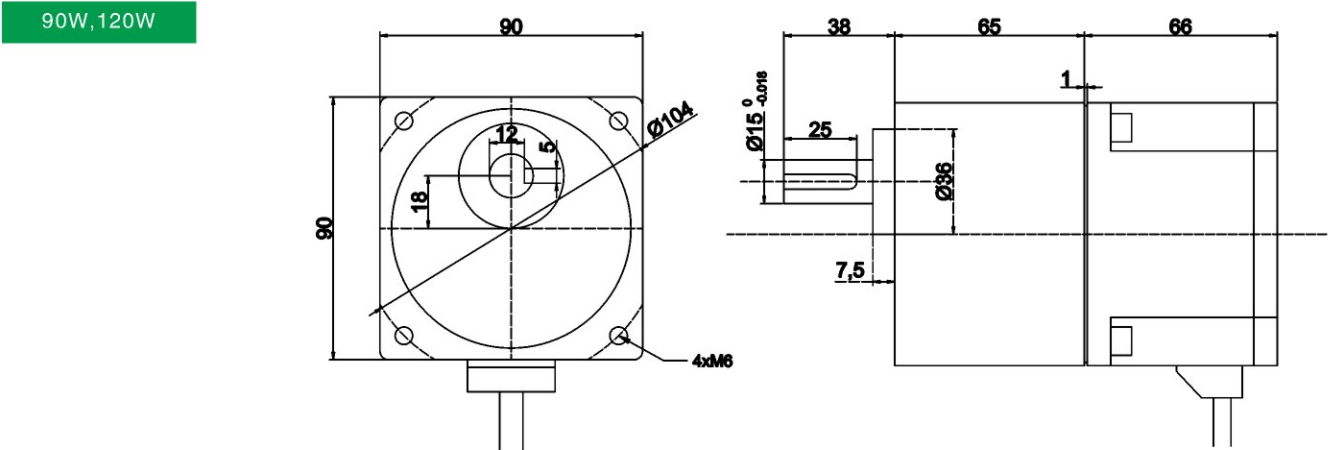
型号 Model	电机轴转速 Motor Speed	减速比 Reduction Ratio	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
M200-05 ■ GU	200~1500RPM		3.62	4.34	4.35	5.44	6.53	7.83	7.87	9.83	11.8	14.2	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000RPM		3.06	3.68	3.68	4.60	5.52	6.63	6.66	8.32	9.98	12.0	16.6	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2500RPM		2.78	3.34	3.35	4.18	5.02	6.02	6.05	7.56	9.08	10.9	15.1	18.2	20.0	20.0	20.0	20.0	20.0	20.0

注Note :
 表格中的 (灰底部分)表示旋转方向与电机转向一致。
 The (gray) in the table indicates that the rotation direction is consistent with the motor.
 (不同转速及速比下的力矩为标准驱动器下测试所得。)
 (The torque under different speed and speed ratio is obtained under the standard.)

▶ 尺寸图/Dimension figure

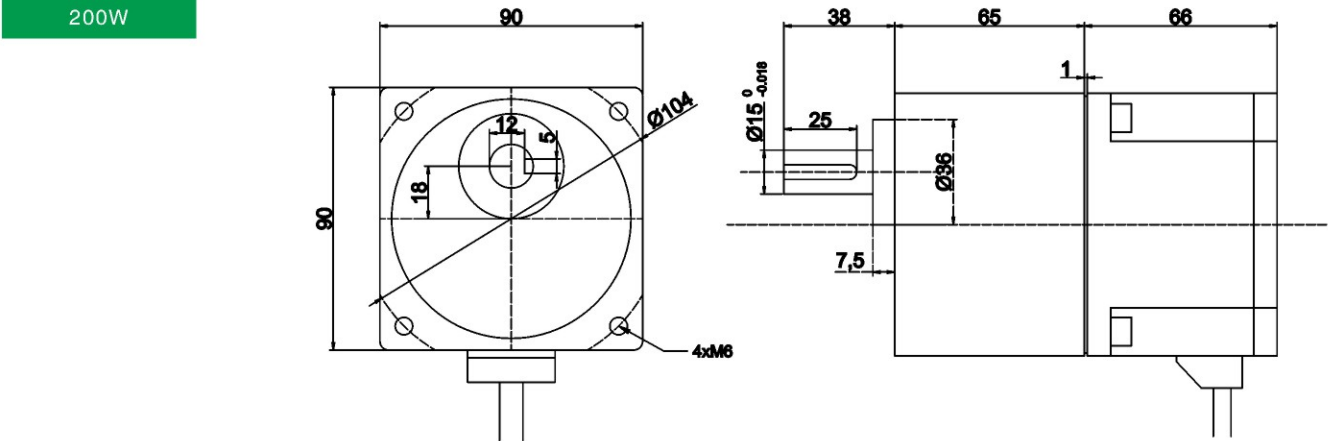
M120-05-220-25S-GU

■ -电压 Voltage 24/36/48/110/220 □ -速比数值 Velocity Ratio Value



M200-05-220-25S-GU

■ -电压 Voltage 24/36/48/110/220 □ -速比数值 Velocity Ratio Value



► 弧锥直角减速电机 Arc Cone Right Angle Speed Reducer Motor

■ M120-05-220-25S-RC/RT整机容许力矩(单位: N.m)/ Machine Allowable Torque(Unit: Nm)

型号 Model	电机轴转速 Motor Speed 减速机 Reduction Ratio	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
M120-05-RC/RT	200~1500RPM	2.72	3.26	3.62	4.53	5.43	6.52	6.53	8.16	9.79	11.8	14.7	17.7	20.0	20.0	20.0	20.0	20.0	20.0
	2000RPM	2.30	2.76	3.06	3.83	4.59	5.51	5.52	6.90	8.28	9.94	12.5	15.0	18.7	20.0	20.0	20.0	20.0	20.0
	2500RPM	2.09	2.51	2.78	3.48	4.18	5.01	5.02	6.27	7.53	9.04	11.3	13.6	17.0	20.0	20.0	20.0	20.0	20.0

■ M200-05-220-25S-RC/RT 整机容许力矩(单位: N.m)/ Machine Allowable Torque (Unit: N.m)

型号 Model	电机轴转速 Reduction Ratio Motor Speed	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
M200-05-RC/RT	200~1500RPM	3.62	4.34	4.35	5.44	6.53	7.83	7.87	9.83	11.8	14.2	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2000RPM	3.06	3.68	3.68	4.60	5.52	6.63	6.66	8.32	9.98	12.0	16.6	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2500RPM	2.78	3.34	3.35	4.18	5.02	6.02	6.05	7.56	9.08	10.9	15.1	18.2	20.0	20.0	20.0	20.0	20.0	20.0

注Note :

表格中的  (灰底部分)表示旋转方向与电机转向一致。

The (gray) in the table indicates that the rotation direction is consistent with the motor.
(不同转速及速比下的力矩为标准驱动器下测试所得。)

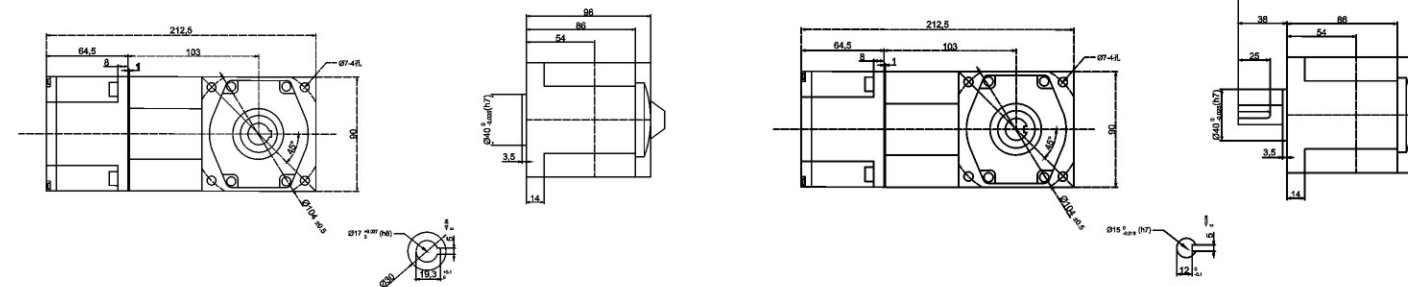
(The torque under different speed and speed ratio is obtained under the standard.)

► 尺寸图/Dimension figure

M120-05-220-25S-RC/RT

☒-电压 Voltage 24/36/48/110/220 ☐-速比数值 Velocity Ratio Value

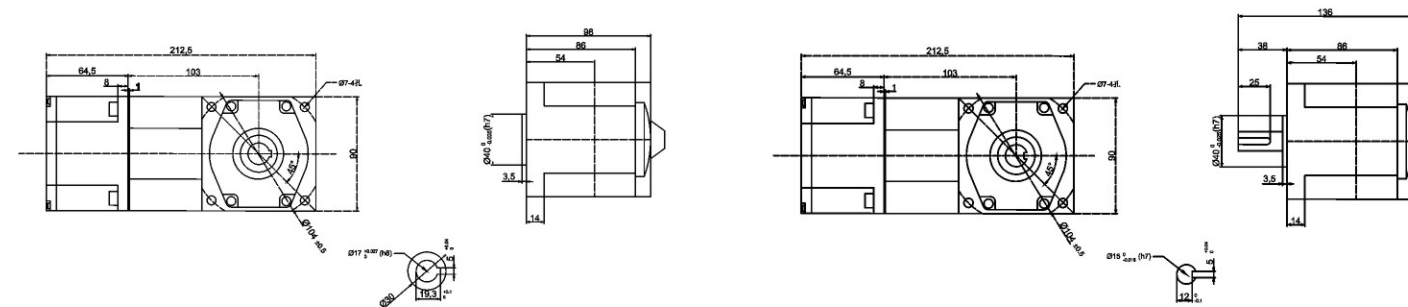
90W, 120W



M200-05-220-25S-RC/RT

☒-电压 Voltage 24/36/48/110/220 ☐-速比数值 Velocity Ratio Value

200W



①The sheath length of lead line 300mm ②Connector: 5557-8R/10R (MOLEX) ③Round terminal: SRA-21T-4 (low ground)

6系列无刷减速电机(200W,400W,550W)

6 series brushless speed reduction motor (200W, 400W, 550W)



►电机基本特性/Basic Characteristics of Motor

额定功率(连续)Rated power(continuous)		W	200W	400W	550W
额定转速 Rated speed		r/min	2500	2000	2000
额定转矩 Rated torque		N.m	1.05	1.85	2.63
瞬时最大转矩Instantaneous maximum torque		N.m	1.5	2.8	3.9
速度控制范围 Speed control range		RPM	高压High pressure 200–2500RPM(低压Low pressure 200–3000RPM)		
Speed control range 速率 变化 率	对负载On load	± 1.0%以下:条件额定转矩、额定转速、额定电压、常温 Below ± 1%: condition rated torque, rated speed, rated voltage, room temperature			
	对电压On voltage	± 1.0%以下:条件额定电压 ± 10%、额定转速、额定负载、常温 Below ± 1%: condition rated voltage ± 10%, rated speed, rated load, room temperature			
	对温度On temperature	± 1.0%以下:条件使用环境温度0~+40℃ 额定转速、额定负载、额定电压 Below ± 1%: Conditions of ambient temperature 0~ +40℃ rated voltage, rated load and rated speed			
Power input 电源 输入	额定电压 Rated voltage	V	单相Single phase 110V	单相Single phase 220V	36VDC(可选Optional 48VDC)
	电压容许范围 Voltage tolerance range	± 10%			
	频率 Frequency	Hz	50/60		
	频率容许范围 Frequency tolerance range	± 5%			/
	额定输入电流 Rated input current	A	4.7	2.4	7.5
	瞬时最大输入电流 Instantaneous maximum input current	A	9.0	4.8	11.5

■M400-06-220-20S 整机容许力矩(单位: N.m)/Machine Allowable Torque (Unit: N.m)

型号 Model	电机轴转速 Motor Speed	减速机 Reduction Ratio																
		7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
M400-06 ❶GU	200~1500RPM	6.03	7.24	9.06	10.9	13.1	16.4	19.7	23.6	32.8	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2000RPM	5.11	6.13	7.67	9.20	11.0	13.9	16.6	20.0	27.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2500RPM	4.64	5.57	6.97	8.37	10.0	12.6	15.1	18.2	25.2	30.3	37.8	40.0	40.0	40.0	40.0	40.0	40.0

无刷 减速 电机

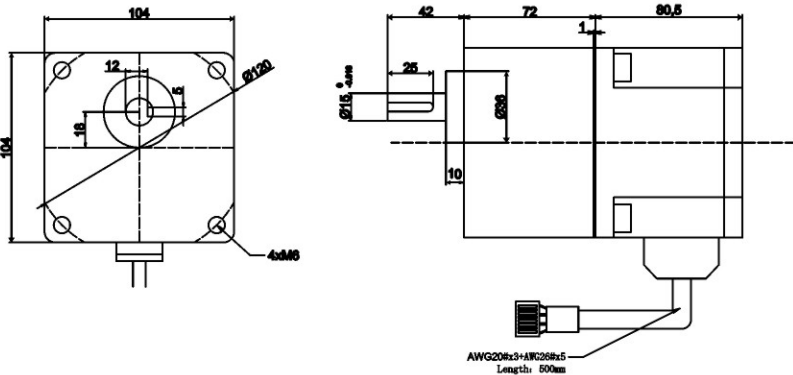
■ M550-06-220-20S 整机容许力矩(单位: N.m)/M Machine Allowable Torque (Unit: N.m)

型号 Model	电机轴转速 Motor Speed	减速比 Reduction Ratio																
		7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
M550-06 GU	200~1500RPM	12.1	14.5	14.5	18.1	21.8	26.1	26.2	32.8	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2000RPM	10.2	12.3	12.3	15.3	18.4	22.1	22.2	27.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2500RPM	9.28	11.1	11.2	13.9	16.7	20.1	20.2	25.2	30.3	36.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0

注Note:
表格中的 (灰底部分)表示旋转方向与电机转向一致。
The (gray) in the table indicates that the rotation direction is consistent with the motor.
(不同转速及速比下的力矩为标准驱动器下测试所得。)
(The torque under different speed and speed ratio is obtained under the standard.)

► 方型减速机/Square reducer

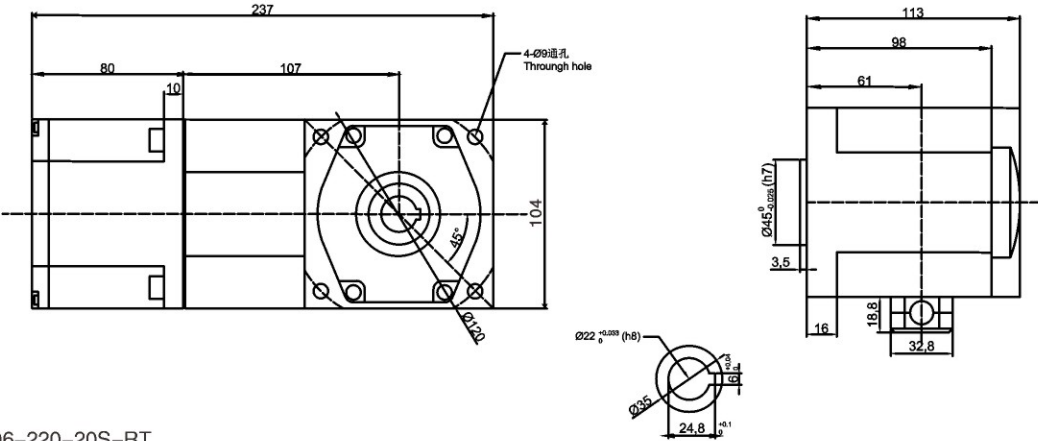
■ M400(550)-06-220-20S
电压 Voltage 24/36/48/110/220



► 弧锥直角减速电机 Arc Cone Right Angle Speed Reducer Motor

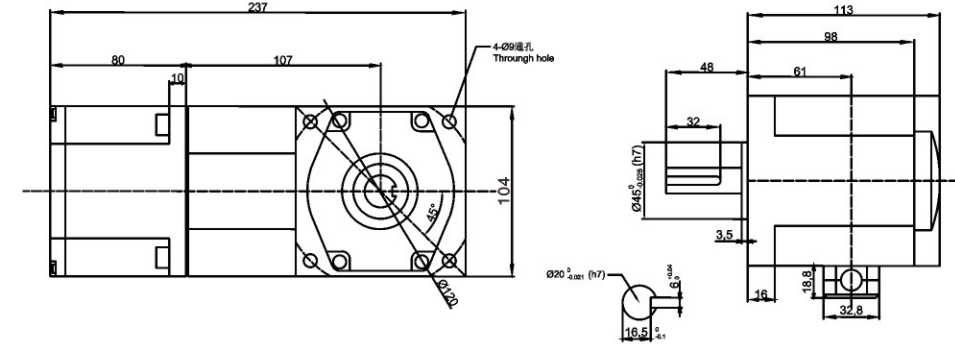
M400(550)-06-220-20S-RC

■-电压 Voltage 24/36/48/110/220 □-速比数值 Velocity Ratio Value



M400(550)-06-220-20S-RT

■-电压 Voltage 24/36/48/110/220 □-速比数值 Velocity Ratio Value



①Connector: 5557-8R/10R (MOLEX) ②The sheath length of lead line 300mm ③Round terminal: SRA-21T-4 (low ground)

永磁电机

PERMANENT MAGNET MOTOR

高刚性

HIGH RIGIDITY

高耐用

HIGH DURABILITY

高效率

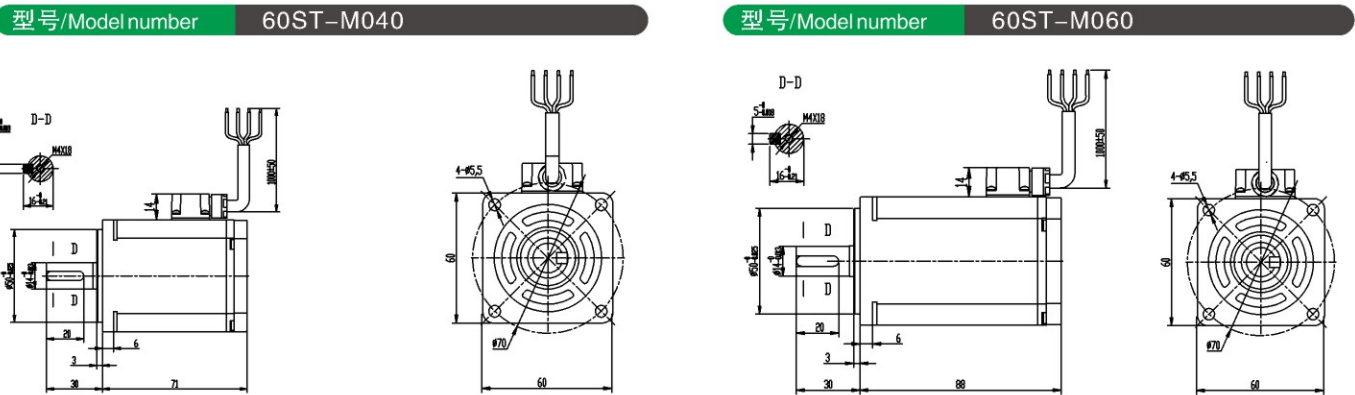
HIGH EFFICIENCY



PERMANENT MAGNET MOTOR

60系列 永磁电机

▶ 外形尺寸(单位mm)/Shape Size(mm)



▶ 电机基本特性/Basic Characteristics Of Motor

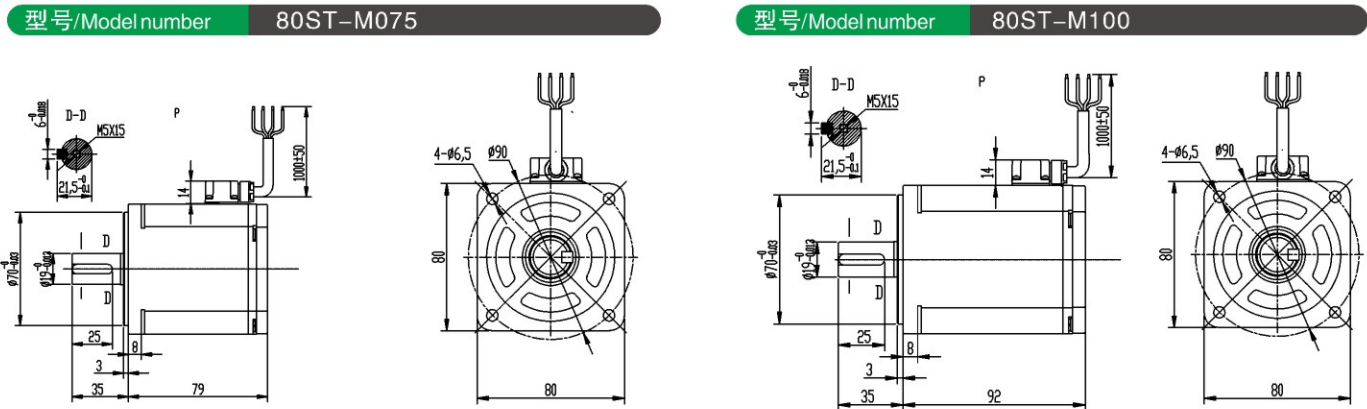
电机型号 MOTER MODEL		60ST-M040	60ST-M060
额定功率	Rated power	400	600
额定线电压	Rated line voltage	220	220
额定线电流	Rated line current	2.8	3.5
额定转速	Rated speed	3000	3000
额定力矩	Rated torque	1.27	1.91
峰值力矩	Peak torque	3.9	5.73
线反电势	Line reverse electromotive force	29.6	34
力矩系数	Moment coefficient	0.45	0.55
转子惯量	Rotor inertia	0.29x10 ⁻⁴	0.39x10 ⁻⁴
绕组（线间）电阻	Winding (inter-winding) resistance	2.35	1.93
绕组（线间）电感	Winding (inter-winding) inductance	14.5	10.7
电气时间常数	Electrical time constant	6.17	5.5
重量	Weight	1.6	2.07
电机绝缘等级	Motor insulation class	Class F	
防护等级	Protection level	Ip65	
L不带电抱闸	L without electric braking	141	169
L带电磁抱闸	L with electromagnetic braking	179	207
使用环境	Operating environment	环境温度: -20℃~+40℃ 环境湿度: 相对湿度<90%(不结露条件) TEMPERATURE:-20℃~+40℃ HUMIDITY BELOW90%RH NO DEWING	

注明:带*型号为非标准型号Note: Models with * are non-standard models

PERMANENT MAGNET MOTOR

80系列 永磁电机

▶ 外形尺寸(单位mm)/Shape Size(mm)



▶ 电机基本特性/Basic Characteristics Of Motor

电机型号 MOTER MODEL		80ST-M075	80ST-M100
额定功率	Rated power	0.75	1.0
额定线电压	Rated line voltage	220	220
额定线电流	Rated line current	3	4.4
额定转速	Rated speed	3000	2500
额定力矩	Rated torque	2.39	4
峰值力矩	Peak torque	7.1	12
线反电势	Line reverse electromotive force	48	56
力矩系数	Moment coefficient	0.8	0.9
转子惯量	Rotor inertia	1.82x10 ⁻⁴	2.97x10 ⁻⁴
绕组（线间）电阻	Winding (inter-winding) resistance	2.88	1.83
绕组（线间）电感	Winding (inter-winding) inductance	6.4	4.72
电气时间常数	Electrical time constant	2.22	2.58
重量	Weight	2.9	4.1
电机绝缘等级	Motor insulation class	Class F	
防护等级	Protection level	Ip65	
L不带电抱闸	L without electric braking	151	191
L带电磁抱闸	L with electromagnetic braking	191	231
使用环境	Operating environment	环境温度: -20℃~+40℃ 环境湿度: 相对湿度<90%(不结露条件) TEMPERATURE:-20℃~+40℃ HUMIDITY BELOW90%RH NO DEWING	

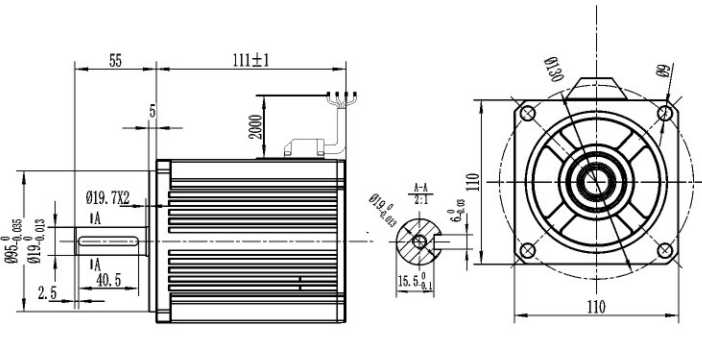
注明:带*型号为非标准型号Note: Models with * are non-standard models

PERMANENT MAGNET MOTOR

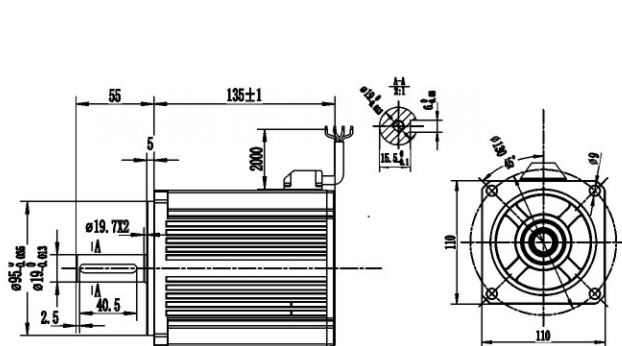
110系列 永磁电机

▶ 外形尺寸(单位mm)/Shape Size(mm)

型号/Model number 110ST-M08



型号/Model number 110ST-M120



▶ 电机基本特性/Basic Characteristics Of Motor

电机型号 MOTER MODEL		110ST-M08	110ST-M120	110ST-M150	
额定功率	Rated power	0.8	1.2	1.5	
额定线电压	Rated line voltage	220	220	220	
额定线电流	Rated line current	3.5	5.0	6.0	
额定转速	Rated speed	2000	3000	3000	
额定力矩	Rated torque	4	4	5	
峰值力矩	Peak torque	12	12	15	
线反电势	Line reverse electromotive force	79	54	62	
力矩系数	Moment coefficient	1.14	0.8	0.83	
转子惯量	Rotor inertia	0.54x10 ⁻³	0.54x10 ⁻³	0.63x10 ⁻³	
绕组（线间）电阻	Winding (inter-winding) resistance	2.41	1.09	1.03	
绕组（线间）电感	Winding (inter-winding) inductance	7.3	3.3	3.43	
电气时间常数	Electrical time constant	3	3	3.33	
重量	Weight	6	6	6.8	
电机绝缘等级	Motor insulation class	Class F			
防护等级	Protection level	Ip65			
额定扭矩	Rated torque	2	4	5	6
L不带电抱闸	L without electric braking	159	189	204	219
L带电磁抱闸	L with electromagnetic braking	233	263	278	293
使用环境	Operating environment	环境温度：-20℃—+40℃ 环境湿度：相对湿度<90%(不结露条件) TEMPERATURE:-20℃--+40℃ HUMIDITY BELOW90%RH NO DEWING			

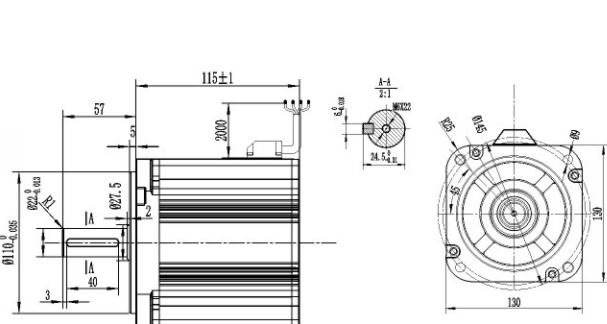
注明:带*型号为非标准型号Note: Models with * are non-standard models

PERMANENT MAGNET MOTOR

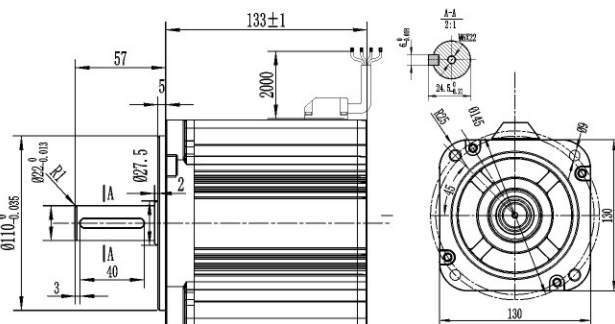
130系列 永磁电机

▶ 外形尺寸(单位mm)/Shape Size(mm)

型号/Model number 130ST-M100



型号/Model number 130ST-M130



▶ 电机基本特性/Basic Characteristics Of Motor

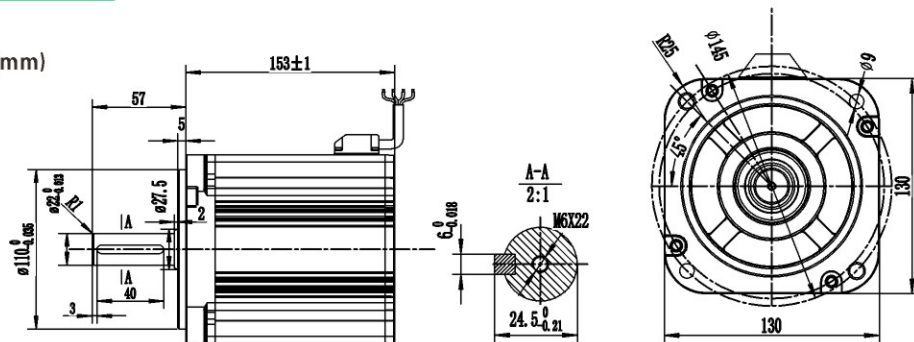
电机型号 MOTER MODEL		130ST-M100	130ST-M130	130ST-M200
额定功率	Rated power	1.0	1.3	2.0
额定线电压	Rated line voltage	220	220	220
额定线电流	Rated line current	4.0	5.0	7.5
额定转速	Rated speed	2500	2500	2500
额定力矩	Rated torque	4	5	7.7
峰值力矩	Peak torque	12	15	22
线反电势	Line reverse electromotive force	72	68	68
力矩系数	Moment coefficient	1.0	1.0	1.03
转子惯量	Rotor inertia	0.85x10 ⁻³	1.06x10 ⁻³	1.33x10 ⁻³
绕组（线间）电阻	Winding (inter-winding) resistance	2.76	1.84	1.01
绕组（线间）电感	Winding (inter-winding) inductance	6.42	4.9	2.94
电气时间常数	Electrical time constant	2.32	2.66	2.91
重量	Weight	6.2	6.6	8.3
编码器线数	Encoder pin count	2500ppr/17bit/23bit/旋变(Absolute value)		
电机绝缘等级	Motor insulation class	Class F		
防护等级	Protection level	Ip65		
使用环境	Operating environment	环境温度：-20℃—+40℃ 环境湿度：相对湿度<90%(不结露条件) TEMPERATURE:-20℃--+40℃ HUMIDITY BELOW90%RH NO DEWING		
电机绕组插座	Motor winding socket	绕组引线 插座编号	U 2V 3W 4PE 1	
光电脉冲编码器插座(15芯)	Optoelectronic pulse encoder socket (15 pins)	绕组引线 插座编号	5V 0V A+ B+ Z+ A- B- Z- U+ V+ W+ U- V- W- PE- 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1	
绝对值编码器插座(7芯)	Absolute value encoder socket (7 pins)	绕组引线 插座编号	E- 2E+ 3SD- 40V 5SD+ 6+5V 7PE 1	

注明:带*型号为非标准型号Note: Models with * are non-standard models

PERMANENT MAGNET MOTOR

130系列 永磁电机

▶ 外形尺寸(单位mm)/Shape Size(mm)



► 电机基本特性/Basic Characteristics of Motor

电机型号 MOTER MODEL		130ST-M230															
额定功率	Rated power	2.3															
额定线电压	Rated line voltage	220															
额定线电流	Rated line current	9.5															
额定转速	Rated speed	1500															
额定力矩	Rated torque	15															
峰值力矩	Peak torque	30															
线反电势	Line reverse electromotive force	114															
力矩系数	Moment coefficient	1.58															
转子惯量	Rotor inertia	2.77X10 ⁻³															
绕组（线间）电阻	Winding (inter-winding) resistance	1.1															
绕组（线间）电感	Winding (inter-winding) inductance	4.45															
电气时间常数	Electrical time constant	4.05															
重量	Weight	12.6															
编码器线数	Encoder pin count	2500ppr/17bit/23bit/旋变(Absolute value)															
电机绝缘等级	Motor insulation class	Class F															
防护等级	Protection level	Ip65															
使用环境	Operating environment	环境温度：-20℃—+40℃ 环境温度：相对湿度<90%(不结露条件) TEMPERATURE:-20℃+40℃ HUMIDITY BELOW90%RH NO DEWING															
电机绕组插座	Motor winding socket	绕组引线 插座编号	U 2	V 3	W 4	PE 1											
光电脉冲编码器插座(15芯)	Optoelectronic pulse encoder socket (15 pins)	绕组引线 插座编号	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE-
绝对值编码器插座(7芯)	Absolute value encoder socket (7 pins)	绕组引线 插座编号	E-	2	E+	3	SD-	4	0V	5	SD+	6	+5V	7	PE	1	

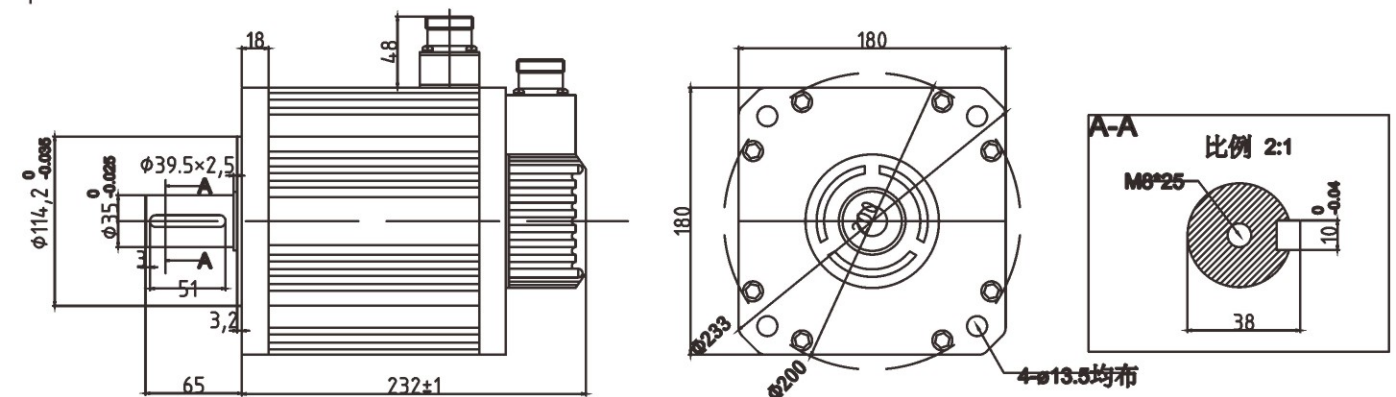
130ST-M230系列伺服电机机身长度							
额定转矩	4	5	6	7.7	10	1500rpm	2500rpm
L不带电抱闸	166	171	179	192	213	241	231
L带电磁抱闸	223	228	236	249	294	322	312

注明:带*型号为非标准型号Note: Models with * are non-standard models

PERMANENT MAGNET MOTOR

180系列 永磁电机

► 外形尺寸(单位mm)/Shape Size(mm)



► 电机基本特性/Basic Characteristics of Motor

电机型号 MOTER MODEL		180ST-M270	180ST-M300	180ST-M450	180ST-M290				
额定功率	Rated power	2.7	3.0	4.5	2.9				
额定线电压	Rated line voltage	220 380	220 380	220 380	220 380				
额定线电流	Rated line current	10.5 6.5	12 7.5	16 9.5	12 7.5				
额定转速	Rated speed	1500	1500	2000	1000				
额定力矩	Rated torque	17.2	19	21.5	27				
峰值力矩	Peak torque	43	47	53	67				
线反电势	Line reverse electromotive force	112 167	97 170	84 140	138 224				
力矩系数	Moment coefficient	1.64 2.65	1.58 2.5	1.34 2.26	2.25 3.6				
转子惯量	Rotor inertia	6.5x10 ⁻³	7.0x10 ⁻³	7.69x10 ⁻³	9.64x10 ⁻³				
绕组（线间）电阻	Winding (inter-winding) resistance	0.7 1.47	0.4 1.23	0.24 0.71	0.48 1.37				
绕组（线间）电感	Winding (inter-winding) inductance	3.5 7.8	2.42 7.3	1.45 4	3.26 8.6				
电气时间常数	Electrical time constant	5 5.3	6 5.93	6 5.96	6.79 6.27				
重量	Weight	19.5	20.5	22.2	25.5				
编码器线数	Encoder pin count	2500ppr/17bit/23bit/旋变(Absolute value)							
电机绝缘等级	Motor insulation class	Class F							
防护等级	Protection level	Ip65							
使用环境	Operating environment	环境温度：-20℃—+40℃ 环境温度：相对湿度<90%(不结露条件) TEMPERATURE:-20℃+40℃ HUMIDITY BELOW90%RH NO DEWING							
电机绕组插座	Motor winding socket	绕组引线 插座编号	U 2	V 3	W 4	PE 1			
光电脉冲编码器插座(15芯)	Optoelectronic pulse encoder socket (15 pins)	绕组引线 插座编号	5V 0V A+B+Z+ A-B- Z-U+V+W+U-V-W-PE- 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1						
绝对值编码器插座(7芯)	Absolute value encoder socket (7 pins)	绕组引线 插座编号	E- 2	E+ 3	SD- 4	0V 5	SD+ 6	+5V 7	PE 1

注明:带*型号为非标准型号Note: Models with * are non-standard models

PERMANENT MAGNET MOTOR

180系列 永磁电机

► 电机基本特性/Basic Characteristics Of Motor

电机型号 MOTER MODEL		180ST-M430		180ST-M370		180ST-M550		180ST-M750									
额定功率	Rated power	4.3		3.7		5.5		7.5									
额定线电压	Rated line voltage	220	380	220	380	220	380	220	380								
额定线电流	Rated line current	16	10	16	10	24	12	32	20								
额定转速	Rated speed	1500		1000		1500		1500									
额定力矩	Rated torque	27		35		35		48									
峰值力矩	Peak torque	67		87.5		87.5		120									
线反电势	Line reverse electromotive force	103	172	134	223	90	181	94	156								
力矩系数	Moment coefficient	1.69	2.7	2.2	3.5	1.45	2.9	1.5	2.4								
转子惯量	Rotor inertia	9.64x10 ⁻³		12.25x10 ⁻³		12.25x10 ⁻³		16.72x10 ⁻³									
绕组（线间）电阻	Winding (inter-winding) resistance	0.28	0.796	0.31	0.93	0.14	0.62	0.104	0.273								
绕组（线间）电感	Winding (inter-winding) inductance	1.74	4.83	2.11	5.86	1.0	4	0.77	2.14								
电气时间常数	Electrical time constant	6.2	6	6.8	6.3	7.14	6.45	7.4	7.8								
重量	Weight	25.5		30.5		30.5		40									
编码器线数	Encoder pin count	2500ppr/17bit/23bit/旋变(Absolute value)															
电机绝缘等级	Motor insulation class	Class F															
防护等级	Protection level	Ip65															
使用环境	Operating environment	环境温度：-20℃—+40℃ 环境温度：相对湿度<90%(不结霜条件) TEMPERATURE:-20℃--+40℃ HUMIDITY BELOW90%RH NO DEWING															
电机绕组插座	Motor winding socket	绕组引线 插座编号	U 2	V 3	W 4	PE 1											
光电脉冲编码器插座(15芯)	Optoelectronic pulse encoder socket (15 pins)	绕组引线 插座编号	5V 2	0V 3	A+ 4	B+ 5	Z+ 6	A- 7	B- 8	Z- 9	U+ 10	V+ 11	W+ 12	U- 13	V- 14	W- 15	PE 1
绝对值编码器插座(7芯)	Absolute value encoder socket (7 pins)	绕组引线 插座编号	E- 2	E+ 3	SD- 4	0V 5	SD+ 6	+5V 7	PE 1								

180ST系列伺服电机机身长度

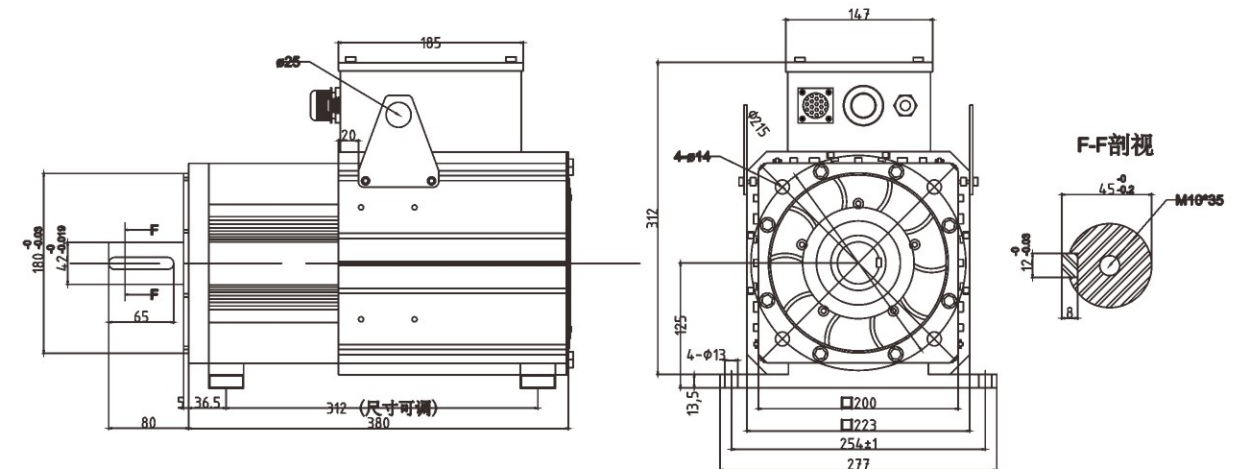
额定转矩	17.2	19	21.5	27	35	48
L不带电抱闸	226	232	243	262	292	346
L带电磁抱闸	308	304	315	334	364	418

注明:带*型号为非标准型号Note: Models with * are non-standard models

PERMANENT MAGNET MOTOR

200系列 永磁电机

► 外形尺寸(单位mm)/Shape Size(mm)



► 电机基本特性/Basic Characteristics of Motor

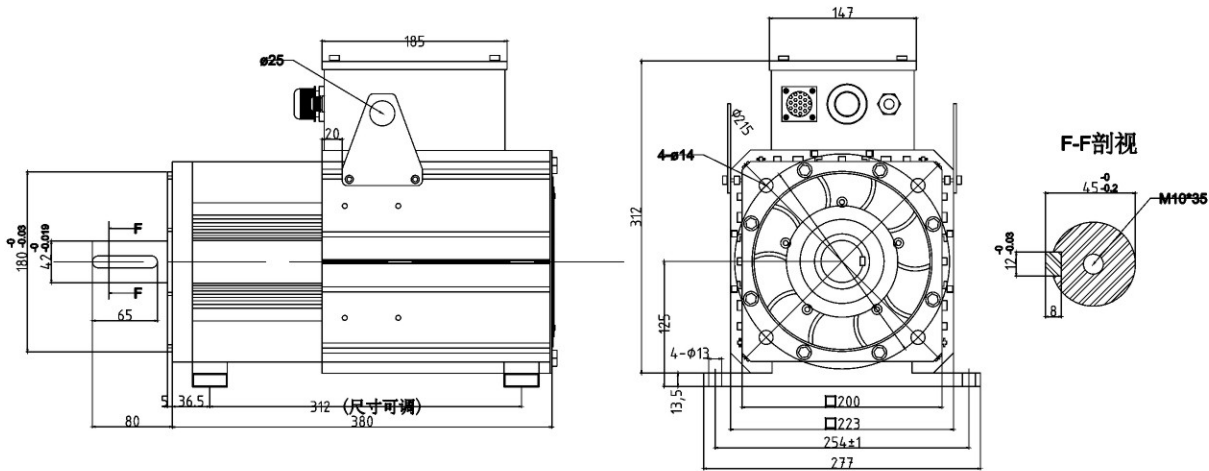
电机型号 MOTER MODEL		200ST- M760	200ST- M1100	200ST- M1530	200ST- M1870
额定功率	Rated power	7.6	11	15.3	18.7
额定转速	Rated rotational speed	1700	1700	1700	1700
额定扭矩	Rated torque	43	63	86	105
额定电压	Rated voltage	380	380	380	380
额定电流	Rated current	15	22	30	37
频率	Frequency	113.3	113.3	113.3	113.3
线反电势	Line reverse electromotive force	310/1700	306/1700	307/1700	295/1700
转矩常数	Torque constant	2.87	2.82	2.87	2.84
转子惯量	Rotor inertia	5.8x10 ⁻³	7.5x10 ⁻³	9.8x10 ⁻³	11.4x10 ⁻³
绕组（线间）电阻	Winding (inter-winding) resistance	1.12	0.58	0.34	0.31
绕组（线间）电感	Winding (inter-winding) inductance	12.1	7.9	5.1	4.8
L1(mm)		312	312	312	312
L2(mm)		344	380	416	452
编码器线数	Encoder pin count	绝对值/旋变(Absolute value / Rotation transformation)			
电机绝缘等级	Motor insulation class	Class F			
防护等级	Protection level	Ip54			
使用环境	Operating environment	环境温度：-20℃—+40℃ 环境温度：相对湿度<90%(不结露条件) TEMPERATURE:-20℃--+40℃ HUMIDITY BELOW90%RH NO DEWING			
电机绕组插座	Motor winding socket	电机绕组引线	U	V	W PE
光电脉冲编码器插座(15芯)	Optoelectronic pulse encoder socket (15 pins)	信号引线 插座编号	5 V 0 V A + B + Z + A - B - Z - U + V + W + U - V - W - PE - 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1		
绝对值编码器插座(7芯)	Absolute value encoder socket (7 pins)	信号引线	E- E+ SD- 0V SD+ +5V PE		

注明:带*型号为非标准型号Note: Models with * are non-standard models

PERMANENT MAGNET MOTOR

200系列 永磁电机

外形尺寸(单位mm)/Shape Size(mm)



电机基本特性/Basic Characteristics Of Motor

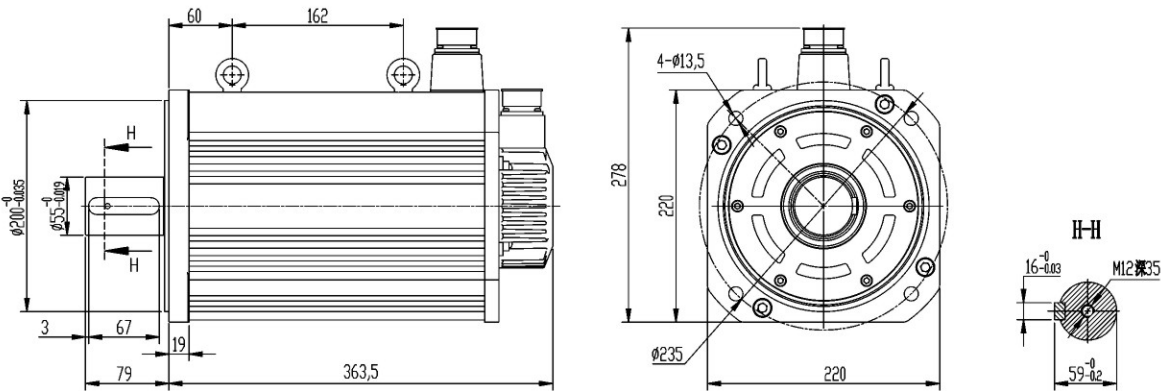
电机型号 MOTER MODEL		200ST-M2300	200ST-M2650	200ST-M3150	200ST-M3500
额定功率	Rated power	23	26.5	31.5	35
额定转速	Rated rotational speed	1700	1700	1700	1700
额定扭矩	Rated torque	129	149	177	196
额定电压	Rated voltage	380	380	380	380
额定电流	Rated current	45	54	57	70
频率	Frequency	113.3	113.3	113.3	113.3
线反电势	Line reverse electromotive force	304/1700	298/1700	330/1700	315/1700
转矩常数	Torque constant	2.87	2.76	3.11	2.5
转子惯量	Rotor inertia	13.1x10 ⁻³	14.5x10 ⁻³	1.59x10 ⁻³	17.4x10 ⁻³
绕组（线间）电阻	Winding (inter-winding) resistance	0.22	0.15	0.15	0.27
绕组（线间）电感	Winding (inter-winding) inductance	3.9	2.8	2.5	2.2
L1(mm)		312	396	396	396
L2(mm)		488	524	560	596
编码器线数	Encoder pin count	绝对值/旋变(Absolute value / Rotation transformation)			
电机绝缘等级	Motor insulation class	Class F			
防护等级	Protection level	Ip54			
使用环境	Operating environment	环境温度：-20℃—+40℃ 环境湿度：相对湿度<90%(不结霜条件) TEMPERATURE:-20℃—+40℃ HUMIDITY BELOW90%RH NO DEWING			
电机绕组插座	Motor winding socket	电机绕组引线	U	V	W PE
光电脉冲编码器插座(15芯)	Optoelectronic pulse encoder socket (15 pins)	信号引线 插座编号	5V 0V A+B+ Z+ A-B- Z-U+ V+W+ U-V- W-PE- 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1		
绝对值编码器插座(7芯)	Absolute value encoder socket (7 pins)	信号引线 插座编号	E- 2 E+ 3 SD- 4 0V 5 SD+ 6 +5V 7 PE 1		

注明:带*型号为非标准型号Note: Models with * are non-standard models

PERMANENT MAGNET MOTOR

220系列 永磁电机

外形尺寸(单位mm)/Shape Size(mm)



电机基本特性/Basic Characteristics Of Motor

电机型号 MOTER MODEL		220ST-M700	220ST-M1500	220ST-M1050	220ST-M1500
额定功率	Rated power	7.0	15	10.5	15
额定线电压	Rated line voltage	220	220	380	380
额定线电流	Rated line current	31.3	67	26	38
额定转速	Rated speed	1000	1500	1500	1500
额定力矩	Rated torque	67	95.5	67	95.5
峰值力矩	Peak torque	150	240	150	240
线反电势	Line reverse electromotive force	140	95	175	169
力矩系数	Moment coefficient	2.1	1.42	2.58	2.51
转子惯量	Rotor inertia	177x10 ⁻⁴	248x10 ⁻⁴	177x10 ⁻⁴	248x10 ⁻⁴
绕组（线间）电阻	Winding (inter-winding) resistance	0.133	0.05	0.2	0.14
绕组（线间）电感	Winding (inter-winding) inductance	3.8	1.2	5.81	3.79
电气时间常数	Electrical time constant	28.5	24	29.05	27.09
重量	Weight	50	73	50	73
编码器线数	Encoder pin count	绝对值/旋变(Absolute value / Rotation transformation)			
电机绝缘等级	Motor insulation class	Class F			
防护等级	Protection level	Ip65			
L不带电抱闸	L without electric braking	124	151	179	191
L带永磁抱闸	L-type permanent magnet brake	178	205	233	245
L带电磁抱闸	L with electromagnetic braking	164	191	291	231
使用环境	Operating environment	环境温度：-20℃—+40℃ 环境湿度：相对湿度<90%(不结霜条件) TEMPERATURE:-20℃—+40℃ HUMIDITY BELOW90%RH NO DEWING			
电机绕组插座	Motor winding socket	绝对值编码器电机绕组引线 插座编号	U 2 V 3 W 4 PE 1		
光电脉冲编码器插座(15芯)	Optoelectronic pulse encoder socket (15 pins)	绕组引线 插座编号	5V 0V A+B+ Z+ A-B- Z-U+ V+W+ U-V- W-PE- 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1		
绝对值编码器插座(7芯)	Absolute value encoder socket (7 pins)	绕组引线 插座编号	E- 2 E+ 3 SD- 4 0V 5 SD+ 6 +5V 7 PE 1		

注明:带*型号为非标准型号Note: Models with * are non-standard models

永磁减速电机

PERMANENT MAGNET REDUCTION MOTOR



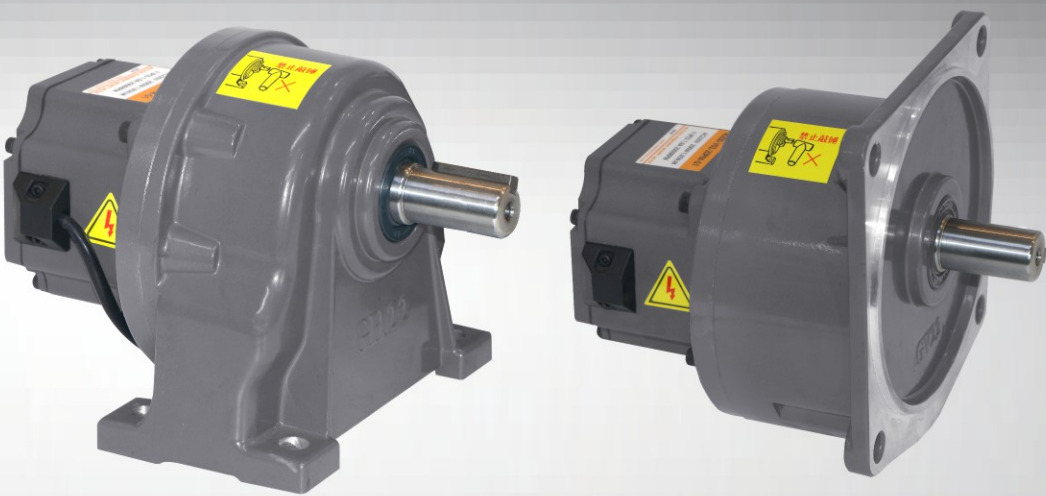
高刚性
HIGH RIGIDITY



高耐用
HIGH DURABILITY



高效率
HIGH EFFICIENCY



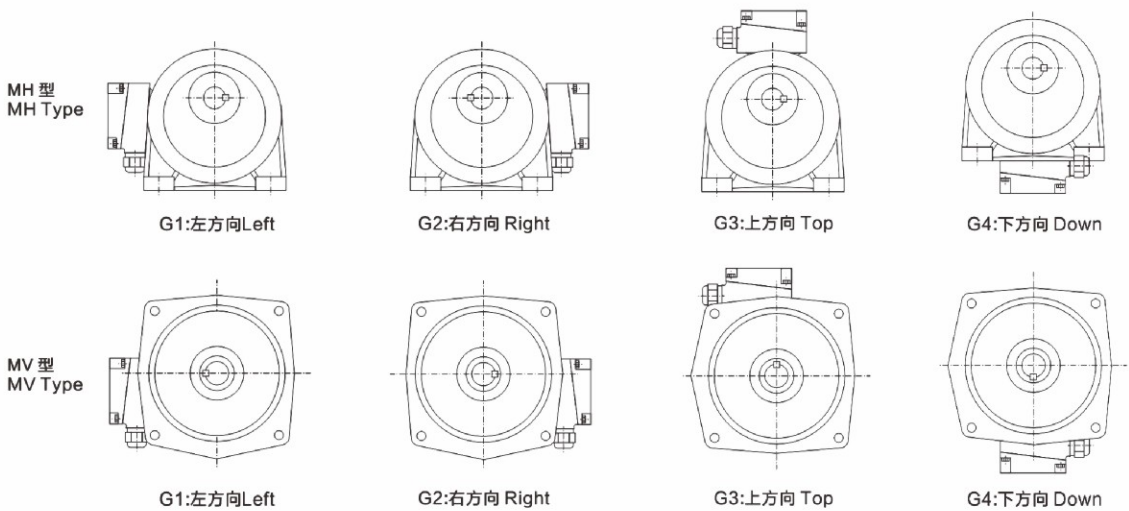
永磁减速电机型号说明方法

EXPLANATION METHOD FOR THE MODEL OF PERMANENT MAGNET REDUCTION MOTOR

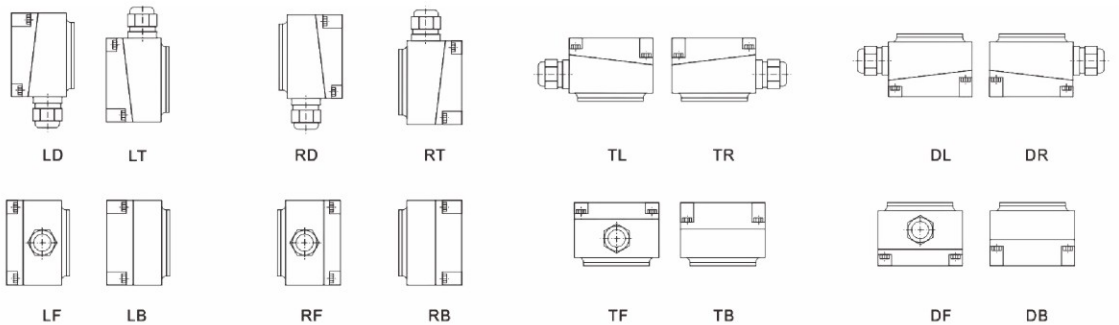
▶ 减速电机型号说明/Description Of Motor Model

M100-H-01-50-PM-B-F-G1-Q1-LD
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① M100:木春品牌代号, 输出功率Output:100W,200W,400W,750W,1100W,1500W,2200W,3000W,3700W,5.5KW,7.5KW
② 箱体结构基本代号Basic structure:H(卧式Horizontal), V(立式Vertical)
③ 01=18,02=22,03=28,04=32,05=40,06=50,07=60
④ 齿轮箱的减速比Gear ratio:3,5,10...1800
⑤ PM:永磁电机 S:交流电机
⑥ 刹车器Brake unit
B:DC断电刹车器 Brake unit(另配交变直快速整流器 With quick rectifier from AC to DC)
⑦ F2:220V轴流风机, F3:380V轴流风机, F2:220V axial fan,F3:380V axial fan
⑧ 出轴端看接线盒方位 (如图示) Terminal box direction from output shaft(As shown)
G1:左方向Left G2:右方向Right G3:上方向Top G4:下方向Down



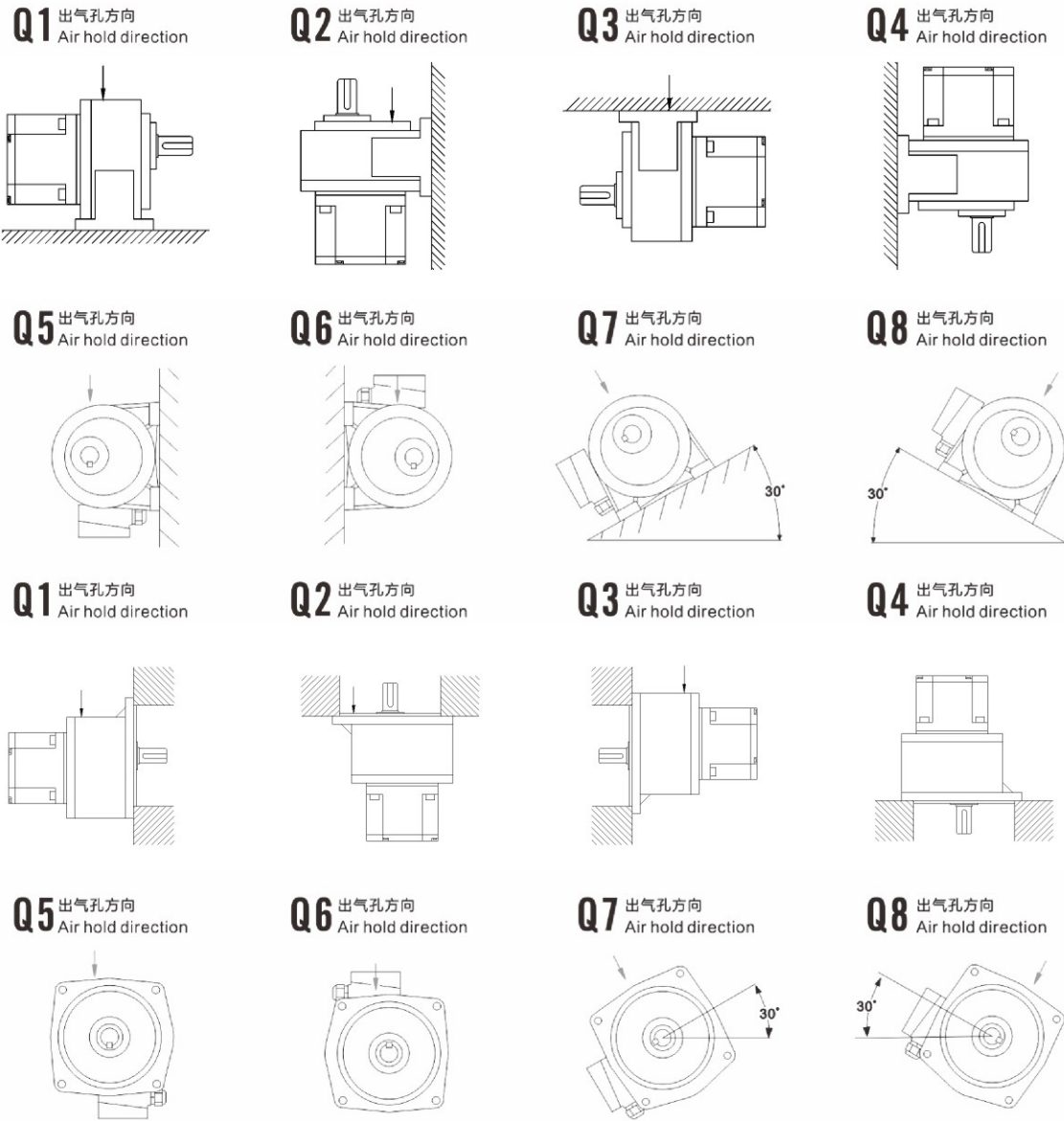
- ⑩ 出轴端看引出线方位(如图示)Lead direction from output shaft(As shown)
T:向上 Top D:向下 Down F:向前 Forward B:向后 Back L:向左 Left R:向右 Right



永磁减速电机型号说明方法

EXPLANATION METHOD FOR THE MODEL OF PERMANENT MAGNET REDUCTION MOTOR

⑨ 出厂标准安装形式：Standrad installaion method
本公司出厂所有减速器适用如图安装形式
All of company's reducer can be applied to the following kinds of installation method
图中Q1、Q4、Q7、Q8中注油孔方向为标准型
In the diagram,Q1、Q4、Q7、Q8 are our standard types of oil hole direction
注油孔在特殊位置的，请特别告知，本公司将修改出气孔位置
Pls inform us if the location of oil hole is special，we will modify it
实际使用时，建议将注油孔中的堵油销拔出，以平衡减速箱内的压力
Pls pull out the pin of the oil plug to reduce the pressure in the gearbox during running

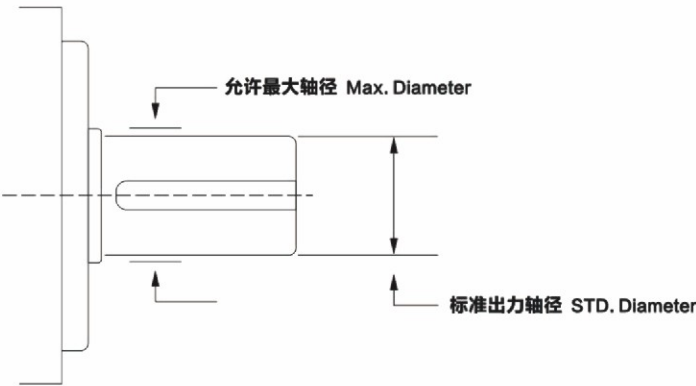


备注：
订购变频电机时，请说明变频范围，减速电机的使用环境工作方式等。
带刹车减速电机总长度需增加10mm。
Note: For motors supplied by transducer please tell us detailed working modes and working ambient.
The total length of brake motors will be 10mm longer than standard motors.

技术资料

TECHNICAL DATA

► 输出轴允许最大轴径/Available Max Output Shaft Diameter



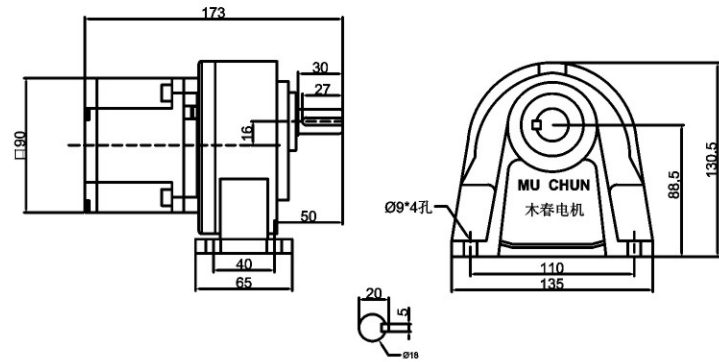
齿轮箱型号 Gear Box	标准出轴直径 Atanddre Output Shaft Dia	最大允许直径 Max Availablet Shaft Dia	输出端轴承 Output Eed Bearing
1#	Φ 18	Φ 20	6004
2#	Φ 22	Φ 25	6205
3#	Φ 28	Φ 30	6206
4#	Φ 32	Φ 35	6207
5#	Φ 40	Φ 45	6209
6#	Φ 50	Φ 55	6211

► 减速电机各零件部分大致说明/Main Parts Notes

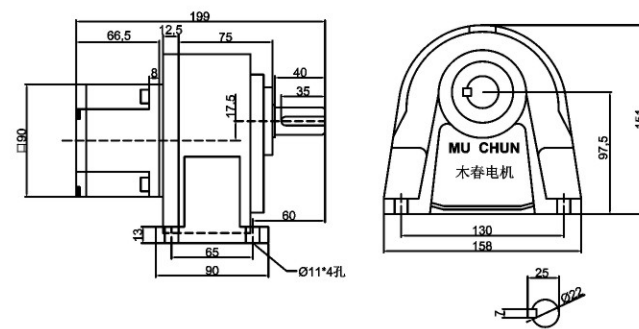
部件名称/Parts Name	说明 /Notes
箱体/Gearbox	1#、2#、3#、4#箱体出轴直径为18、22、28、32，箱体采用铝合金，5#、6#箱体主轴直径为40、50，箱体采用铸铁。 The output shaft diameter of gearbox 1#、2#、3#、4#are18、22、28、32 separately.The material of gearbox is Al.alloy. 5#、6#are 40、50respectively.Gearbox is made of cast iron.
齿轮片/Gear piece	齿轮材料为40Cr，调质HB280，高精度滚齿，齿部高频淬火HRC50，齿面磨齿，齿轮精度6级。 The material 40Cr mixes to HB280, then dealt with high frequency quencher HRC50. Gear should be processed by milling with high precision.The class is 6.
齿轮轴/Gear shaft	齿轮材料为20CrMnTi，高精度滚齿，渗碳淬火HRC60,齿面二次刮削，精度6级。 The material 20CrMnTi will be into HRC60 through processing of cementite quencher. Gear shaft will be processed with gear hobbing.precision;class is 6.
电机轴/Motor shaft	齿轮材料为20CrMnTi，高精度滚齿，渗碳淬火HRC60，齿面二次刮削，精度6级。 The material 20CrMnTi will be changed into HRC60 through processing of cementite quencher. Gear shaft will be processed with gear hobbing.Precision class is 6.
轴承/Ball bearing	电机部分轴承采用高精度等级精密轴承，以确保长期运转寿命。 We adopt tight bearing with high precision,to make sure longterm running life.
油封/Oil seal	电机轴以耐高温油封为主，可有效防止油脂渗漏。 Gear shaft gives priority to enduring high temp,avoiding oil infiltration.
接线盒/Terminal box	有两种:一种是铝合金接线盒，有较好的防水及防尘性能，防护等级为IP54。 另外一种铁壳的接线盒，结构轻巧，防护等级IP20。 Two type.One is Al alloy,which equipes good capability of waterproof and dustproof.Protection grade is IP54. The other is steel case with deft structure.Protection grade is IP20.

0.1KW/0.2KW

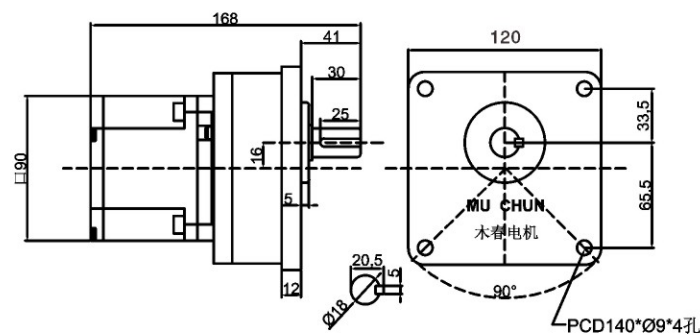
型号/Model number M100/200-H01-PM



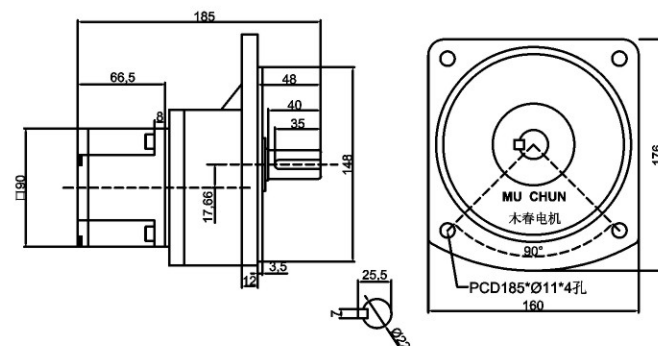
型号/Model number M100/200-H02-PM



型号/Model number M100/200-V01-PM

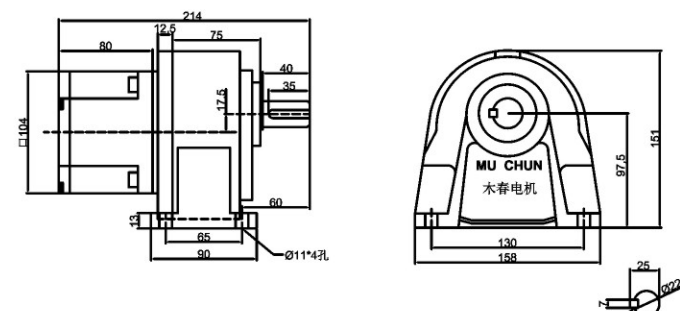


型号/Model number M100/200-V02-PM

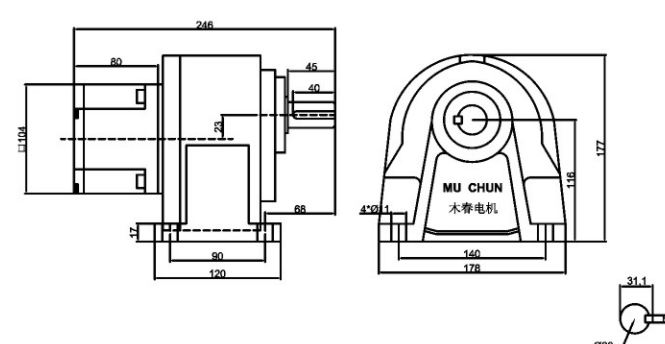


0.4KW/0.55KW

型号/Model number M400/550-H02-PM

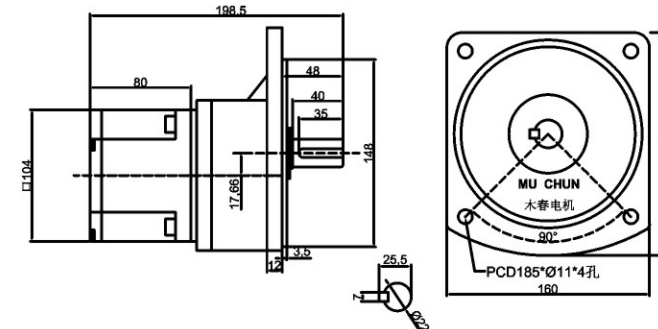


型号/Model number M400/550-H03-PM

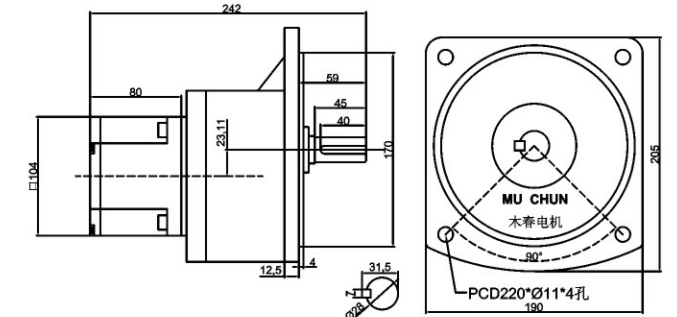


0.4KW/0.55KW

型号/Model number M400/550-V02-PM

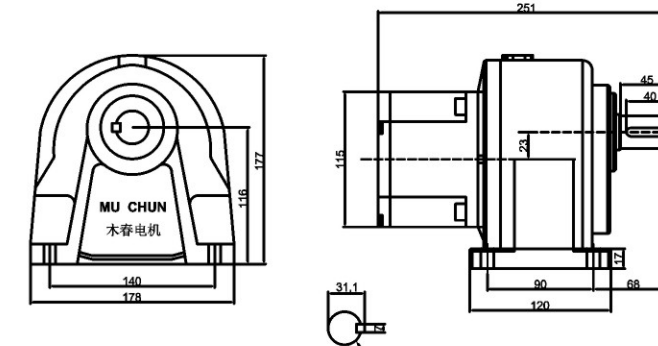


型号/Model number M400/550-V03-PM



0.75KW/1.1KW

型号/Model number M750/1100-H03-PM



型号/Model number M750/1100-V03-PM

