

Hetai 合泰

无刷电机

高效静音的现代之选

Silent Efficiency----DC Brushless Motor



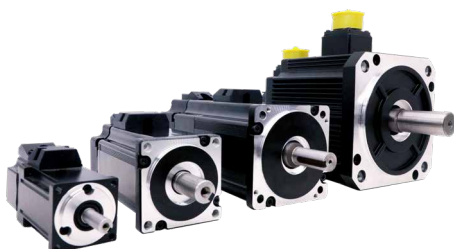
HETAI (jiangsu)

CHANGZHOU HETAI ELECTRIC MOTORS & APPLIANCE CO., LTD.

产品范围



直流无刷电机
DC Brushless Motor



伺服电机
Servo Motor



步进电机
Stepping Motor



高精密行星减速机
High Precision Planetary Reducer



行星减速电机
Gearbox Motor



行星减速箱
Planetary Gearbox



驱动器
Driver



无框电机
Frameless Motor

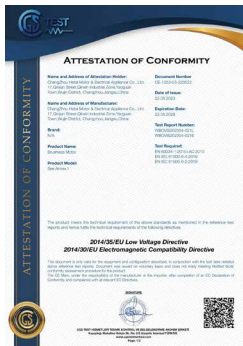


滚筒电机
Electric Roller Motor

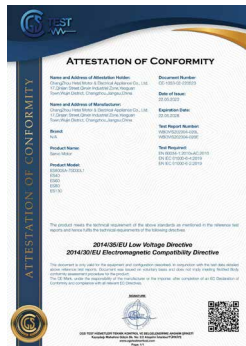


品质保障.值得信赖

Quality Assurance. Trustworthy.



CE



ROHS



REACH



ISO 14001



ISO 9001



ISO 45001



ISO/IATF



ISO9001





公司简介

常州合泰电机电器股份有限公司(股票代码834300),是一家具有新型管理模式和强大技术实力的微电机生产制造企业,专业生产伺服电机、直流无刷电机、混合式步进电机、驱动器...等产品。

为用户提供专业的机电一体化产品与自动化系统解决方案。产品主要应用于机器人、包装机械、纺织机械、医疗器械、印刷机械、智能物流...等各行各业的自动化设备仪器中,产品主要销往欧美、东南亚及全国各地。

合泰电机位于江苏省常州市,厂房建筑面积为35000多平方米。公司自1998年重组以来,已形成一定的产销规模,具有年生产300多万台电机的生产能力。

2003年开始导入质量管理体系,先后获得了ISO9001/IATF 16949体系证书,并顺利通过换版审核和历年的监督审核,获得了国家外经贸部核准的外贸自营进出口权。

2005年获得了出口产品安全许可证-欧盟“CE”认证;发明专利4项,实用新型专利7项,外观设计专利1项。

公司股票于2015年在全国股份转让系统挂牌(新三板)。
2016年通过了安全标准化管理体系的认证。
2018年被评为高新技术企业。
2019年成立工程技术研究中心。
2021年继续被评为江苏省高新技术企业。
2023年与大连理工大学达成校企合作签订联合创新中心。

建筑面积 Ares

35000⁺ 平方米

公司历史 History

27⁺ 年

年产量 Production

3000000⁺ 台

发明专利 Patents

14⁺ 项



About Us

» ChangZhou Hetai (Stock code:834300) is a leading manufacturer with advanced technology and innovative management mode. Hetai specializes in producing servo motors, DC Motors, hybrid stepping motors, drivers and so on.

Hetai dedicates to professional electrical integration and automation strategies for customers. The products are almost applied in robots, packing machinery, textile machinery, medical instruments, printing machinery, intelligent logistics equipment... Hetai also sends its products to USA, Europe, Southeast Asia and all-around China.

Hetai is located in ChangZhou, JiangSu province and its workshop area is over 35,000 m². Since Hetai reformed in 1998, the specialization, scale of production has ensured to manufacture 3,000,000 motors every year.

» In the year 2003, Hetai was qualified by ISO9001/IATF 16949 Certificate, and passed supervision successfully. The company also attained import and export right of external trade of self-management.

» In 2005, Hetai has qualified by EU Type Examination Certificate and get four Invention Patent, seven Utility Patent, and one Appearance Design Patent.

» Hetai was quoted on the stock market in 2015.

Hetai was authenticated by safety standardization management system in next year.

The company was qualified as high-tech enterprise in 2018.

Establishment of Engineering Technology Research Center in 2019.

Continuously rated as a high-tech enterprise in Jiangsu Province in 2021.

Entered into university-enterprise cooperation with Dalian University of Technology and signed a joint innovation centre in 2023.

应用案例

割草电机 劲动力 静运行

lawn mower motor



轮毂电机 Wheel Motor



无刷电机优势:

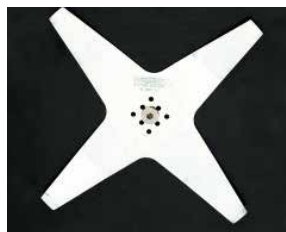
- 效率高 High efficiency
- 运行平稳 Stable operation
- 精准定位 Precise positioning

行星减速电机优势:

- 力矩大 High torque
- 低噪音 Lower noise
- 体积小 Small volume



刀头电机 Blade Motor



应用
案例

闸机电机 为智慧通行赋能

Motor for Automatic Gate Systems



精准控制

Precise Control



24V 安全电压

24V Safety Voltage



耐用可靠

Durable and Reliable



高效节能

High Efficiency and Energy Saving



Cooperative Client 合作客户

感谢与我们一起
并肩作战的伙伴们!

30⁺



JAKA

DREAME 追觅

STEP
新时达

SNBC 新北洋



HSM®

DAYE

LIEBHERR
Quality, Design and Innovation



ZUCCHETTI

FLOWSERVE

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22BL

无刷直流电机

BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	10N (10mm from front flange)
最大轴向负荷	Max Axial Force	2N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转矩 Rated Torque (N.M)	额定转速 Rated Speed (RPM)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值转矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势常数 Back EMF Constant (V/kRPM)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
22BL201-001	8	3	24	0.02	4800	0.6	8.0	0.06	1.8	0.033	3.5	68	0.11

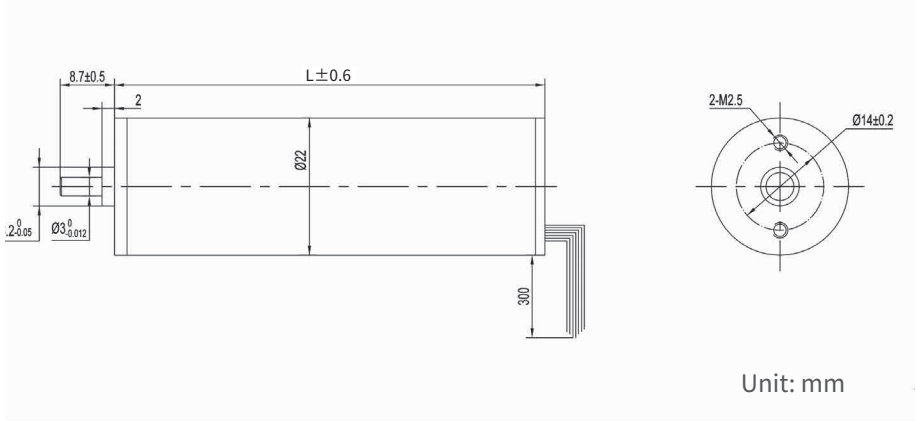
*以上仅为代表产品, 派生产品可按客户需求定制。
*Products can be customized by special request.

*该产品可适配22减速箱。
*Products can match gearbox 22.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE/接线表			
FUNCTION/功能	COLOR/颜色		
TP	ORANGE	橙	UL1061 26AWG
GND	BLACK	黑	UL1332 28AWG
PHASE A	BROWN	棕	
PHASE B	WHITE	白	
PHASE C	PURPLE	紫	
+5V	RED	红	
HALL A	YELLOW	黄	
HALL B	GREEN	绿	
HALL C	BLUE	蓝	

外型图 Mechanical Dimension



24BLX

» 无刷直流电机
BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	700VAC 1 minute

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转速 Rated Speed (RPM)	额定力矩 Rated Torque (N.M)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值力矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势常数 Back EMF Constant (V/kRPM)	转动惯量 Rotor Inertia (g.cm ²)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
24BLX01	4	3	24	3000	0.014	0.3	4	0.042	0.9	0.044	4.6	2.6	30	0.065

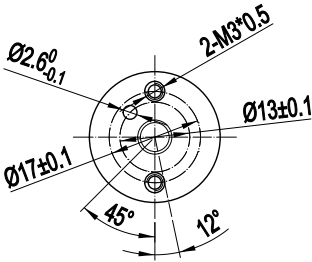
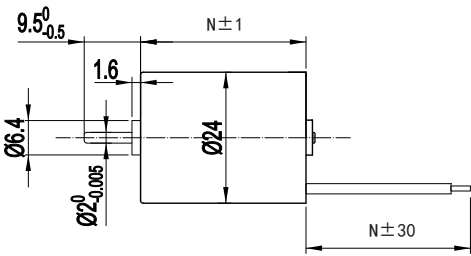
*以上仅为代表产品，派生产品可按客户需求定制。
*Products can be customized by special request.
*该产品可适配36, 42 减速箱。
*Products can match gearbox 36, 42.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE / 接线图		
Function	Color	
+5V	RED	红
HALL A	BLUE	蓝
HALL B	GREEN	绿
HALL C	WAHITE	白
GND	BLACK	黑
PHASE A	ORANGE	橙
PHASE B	YELLOW	黄
PHASE C	BROWN	棕

UL1569
26AWG

外型图 Mechanical Dimension



Unit: mm

28BL

无刷直流电机
BRUSHLESS DC MOTOR

详细说明 General Specifications



绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	15N (10mm from front flange)
最大轴向负荷	Max Axial Force	10N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转矩 Rated Torque (N.M)	额定转速 Rated Speed (RPM)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值扭矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势常数 Back EMF Constant (V/kRPM)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
28BL01F	4	3	12	0.015	3000	0.60	4.7	0.045	1.80	0.025	2.6	40.5	0.15
28BL02A-001			24	0.020	3000	0.36	6.3	0.06	1.07	0.056	5.7	53.0	0.20
28BL03E-001			24	0.05	3000	0.96	15.7	0.15	2.88	0.052	5.3	78.0	0.25

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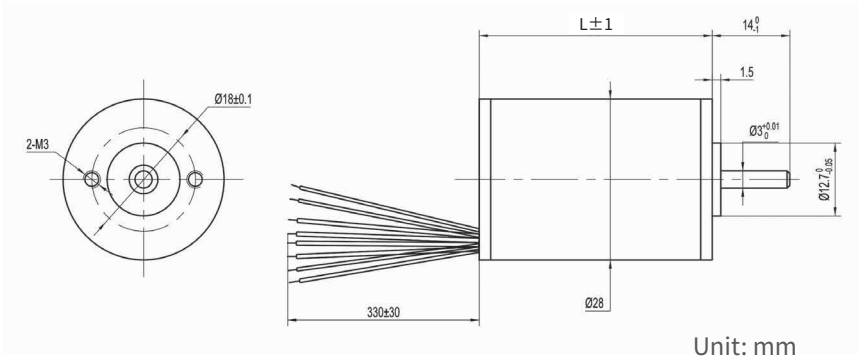
*该产品可适配28减速箱。
*Products can match gearbox 28.

接线图 Wiring Diagram

外型图 Mechanical Dimension

ELECTRICAL CONNECTION TABLE/接线表		
FUNCTION/功能	COLOR/颜色	
+5V	RED	红
HALL A	GREEN	绿
HALL B	BLUE	蓝
HALL C	WHITE	白
GND	BLACK	黑
PHASE A	ORANGE	橙
PHASE B	YELLOW	黄
PHASE C	BROWN	棕

UL1007 26AWG



36BL

无刷直流电机
BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	15N (10mm from front flange)
最大轴向负荷	Max Axial Force	10N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage	额定转矩 Rated Torque	额定转速 Rated Speed	额定电流 Rated Current	输出功率 Output Power	峰值扭矩 Peak Torque	峰值电流 Peak Current	力矩常数 Torque Constant	反电势常数 Back EMF Constant	机身高度 Motor Height L	重量 Motor Weight
			(VDC)	(N.M)	(RPM)	(Amps)	(Watts)	(N.M)	(Amps)	(N.M/Amps)	(V/kRPM)	(mm)	(kg)
36BLY01	4	3	24	0.03	3000	2.0	9.4	0.09	6	0.015	1.6	42	0.16

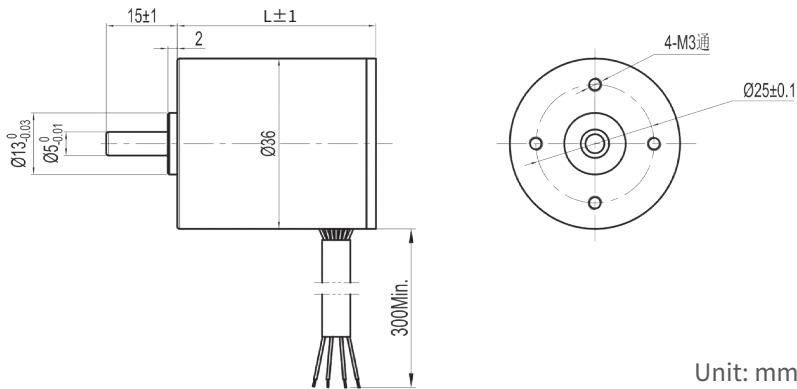
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*Products can be customized by special request.
*该产品可适配36, 42 减速箱。
*Products can match gearbox 36, 42.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE/接线表		
FUNCTION/功能	COLOR/颜色	
+5V	RED	红
HALL A	GREEN	绿
HALL B	BLUE	蓝
HALL C	WHITE	白
GND	BLACK	黑
PHASE A	BROWN	棕
PHASE B	YELLOW	黄
PHASE C	ORANGE	橙

UL1007 26AWG

外型图 Mechanical Dimension



36BLX

无刷直流电机

BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	700VAC 1 minute
最大径向负荷	Max Radial Force	15N (10mm from front flange)
最大轴向负荷	Max Axial Force	10N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage	额定转速 Rated Speed	额定力矩 Rated Torque	额定电流 Rated Current	输出功率 Output Power	峰值力矩 Peak Torque	峰值电流 Peak Current	力矩常数 Torque Constant	反电势 常数 Back EMF Constant	转动惯量 Rotor Inertia	机身高度 Motor Height L	重量 Motor Weight
			(VDC)	(RPM)	(N.M)	(Amps)	(Watts)	(N.M)	(Amps)	(N.M/Amps)	(V/kRPM)	(g.cm ²)	(mm)	(kg)
36BLX01	4	3	24	3000	0.02	0.40	6.0	0.06	1.2	0.054	5.7	23	40	0.15
36BLX03			24	3000	0.04	0.80	13	0.12	2.4	0.054	5.7	45	57	0.27
36BLX04			24	3000	0.01	0.20	3.0	0.03	0.6	0.054	5.7	14	26	0.24

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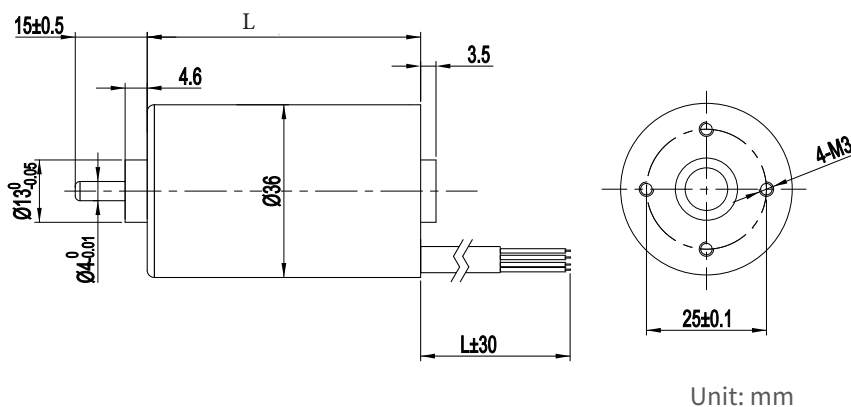
*该产品可适配28, 36, 42减速箱。

*Products can match gearbox 28, 36, 42.

接线图 Wiring Diagram

外型图 Mechanical Dimension

ELECTRICAL CONNECTION TABLE/接线图				
Function	Color			
HALL +5V	RED	红	UL1007 26 AWG	
HALL A	YELLOW	黄		
HALL B	GREEN	绿		
HALL C	BLUE	蓝		
HALL GND	BLACK	黑	UL3265 22 AWG	
PHASE A	YELLOW	黄		
PHASE B	GREEN	绿		
PHASE C	BLUE	蓝		



42BLX

无刷直流电机

BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	700VAC 1 minute
最大径向负荷	Max Radial Force	15N (10mm from front flange)
最大轴向负荷	Max Axial Force	10N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage	额定转速 Rated Speed	额定力矩 Rated Torque	额定电流 Rated Current	输出功率 Output Power	峰值力矩 Peak Torque	峰值电流 Peak Current	力矩常数 Torque Constant	反电势常数 Back EMF Constant	转动惯量 Rotor Inertia	机身高度 Motor Height L	重量 Motor Weight
			(VDC)	(RPM)	(N.M)	(Amps)	(Watts)	(N.M)	(Amps)	(N.M/Amps)	(V/kRPM)	(g.cm ²)	(mm)	(kg)
42BLX01	4	3	24	3000	0.04	0.7	12.5	0.12	2.1	0.054	5.7	40	40	0.24
42BLX02			24	3000	0.08	1.5	25	0.24	4.5	0.054	5.7	40	60	0.38
42BLX03			24	3000	0.13	2.4	40	0.39	7.2	0.054	5.7	40	75	0.50

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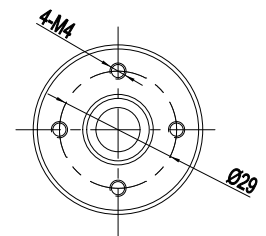
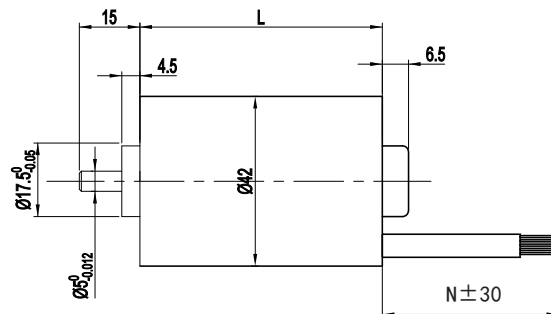
*该产品可适配36, 42减速箱。

*Products can match gearbox 36, 42.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE /接线图				
Function	Color			
HALL +5V	RED	红	UL1007 26 AWG	
HALL A	YELLOW	黄		
HALL B	GREEN	绿		
HALL C	BLUE	蓝		
HALL GND	BLACK	黑	UL3265 22 AWG	
PHASE A	YELLOW	黄		
PHASE B	GREEN	绿		
PHASE C	BLUE	蓝		

外型图 Mechanical Dimension



Unit: mm

42BLY

无刷直流电机

BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	15N (10mm from front flange)
最大轴向负荷	Max Axial Force	10N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转矩 Rated Torque (N.M)	额定转速 Rated Speed (RPM)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值扭矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势 常数 Back EMF Constant (V/kRPM)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
42BLY01C	4	3	24	0.035	3000	0.63	11	0.105	1.9	0.054	5.7	42	0.25
42BLY02			24	0.080	3000	1.77	25	0.240	5.3	0.045	4.7	60	0.38
42BLY302-001			24	0.130	3000	2.53	41	0.390	7.6	0.051	5.3	78	0.56

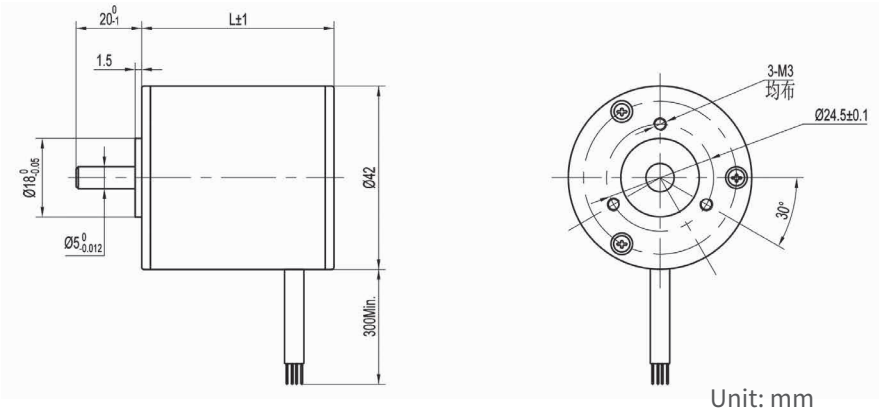
*以上仅为代表产品，派生产品可按客户需求定制。
*Products can be customized by special request.

*该产品可适配36, 42减速箱。
*Products can match gearbox 36, 42.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE/接线表			
FUNCTION/功能	COLOR/颜色		UL1007 26AWG
+5V	RED	红	
HALL A	YELLOW	黄	
HALL B	GREEN	绿	
HALL C	BLUE	蓝	
GND	BLACK	黑	UL3265 22AWG
PHASE A	YELLOW	黄	
PHASE B	GREEN	绿	
PHASE C	BLUE	蓝	

外型图 Mechanical Dimension



42BLF

无刷直流电机

BRUSHLESS DC MOTOR

详细说明 General Specifications



绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	28N (10mm from front flange)
最大轴向负荷	Max Axial Force	10N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转矩 Rated Torque (N.M)	额定转速 Rated Speed (RPM)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值扭矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势常数 Back EMF Constant (V/kRPM)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
42BLF01	8	3	24	0.063	4000	1.50	26	0.189	4.5	0.042	4.4	47	0.30
42BLF02			24	0.130	4000	3.10	54	0.390	9.3	0.042	4.4	63	0.45
42BLF03			24	0.188	4000	4.17	78	0.560	12.5	0.045	4.8	79	0.60

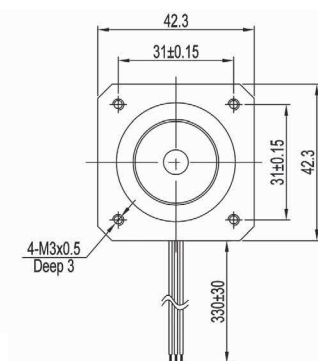
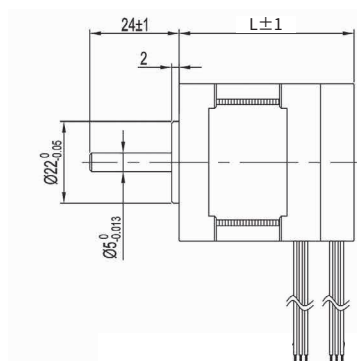
*以上仅为代表产品, 派生产品可按客户需求定制。
*Products can be customized by special request.

*该产品可适配36, 42减速箱。
*Products can match gearbox 36, 42.

接线图 Wiring Diagram

外型图 Mechanical Dimension

ELECTRICAL CONNECTION TABLE/接线表		
FUNCTION/功能	COLOR/颜色	
+5V	RED	红
HALL A	YELLOW	黄
HALL B	GREEN	绿
HALL C	BLUE	蓝
GND	BLACK	黑
PHASE A	YELLOW	黄
PHASE B	GREEN	绿
PHASE C	BLUE	蓝



Unit: mm

42BLFS

无刷直流电机

BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute

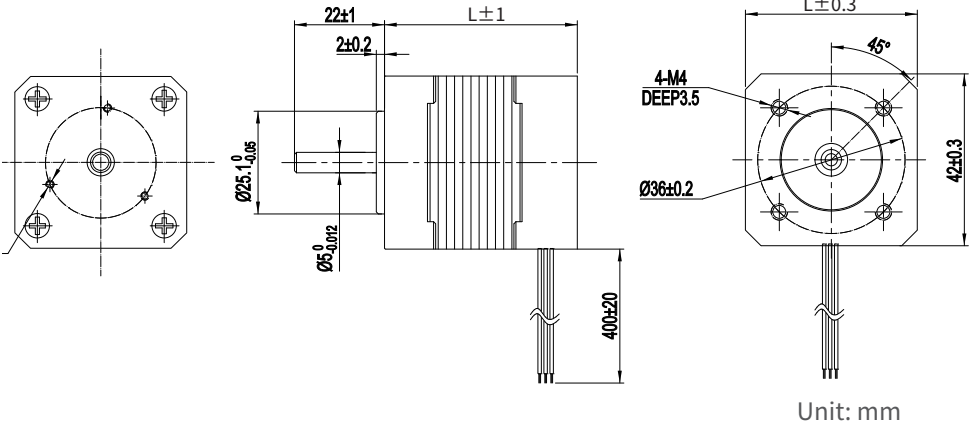
技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转速 Rated Speed (RPM)	额定力矩 Rated Torque (N.M)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值力矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势 常数 Back EMF Constant (V/kRPM)	转动惯量 Rotor Inertia (g.cm ²)	机身高度 Motor Height (mm)	重量 Motor Weight (kg)
42BLFS01	8	3	24	4000	0.063	2.0	26	0.19	6.0	0.048	5	24	40	0.30
42BLFS02			24	4000	0.130	3.5	54	0.39	10.5	0.048	5	48	60	0.45
42BLFS03			24	4000	0.188	5.0	79	0.57	15.0	0.048	5	72	80	0.60
42BLFS04			24	4000	0.250	7.0	105	0.75	21.0	0.048	5	96	100	0.75

*以上仅为代表产品, 派生产品可按客户需求定制。
*Products can be customized by special request.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE			
+5V	RED	红	26 AWG UL1430
HALL A	BLUE	蓝	
HALL B	GREEN	绿	
HALL C	WHITE	白	
GND	BLACK	黑	20 AWG UL1430
PHASE A	YELLOW	黄	
PHASE B	RED	红	
PHASE C	BLACK	黑	





详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	28N (10mm from front flange)
最大轴向负荷	Max Axial Force	10N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage	额定转矩 Rated Torque	额定转速 Rated Speed	额定电流 Rated Current	输出功率 Output Power	峰值转矩 Peak Torque	峰值电流 Peak Current	力矩常数 Torque Constant	反电势常数 Back EMF Constant	机身高度 Motor Height	重量 Motor Weight
			(VDC)	(N.M)	(RPM)	(Amps)	(Watts)	(N.M)	(Amps)	(N.M/Amps)	(V/kRPM)	(mm)	(kg)
42BLFX01	8	3	48	0.13	4400	2.0	60	0.39	6.0	0.064	6.7	59.2	0.39
42BLFX02			48	0.22	4600	3.5	106	0.66	10.5	0.063	7.1	84.2	0.59

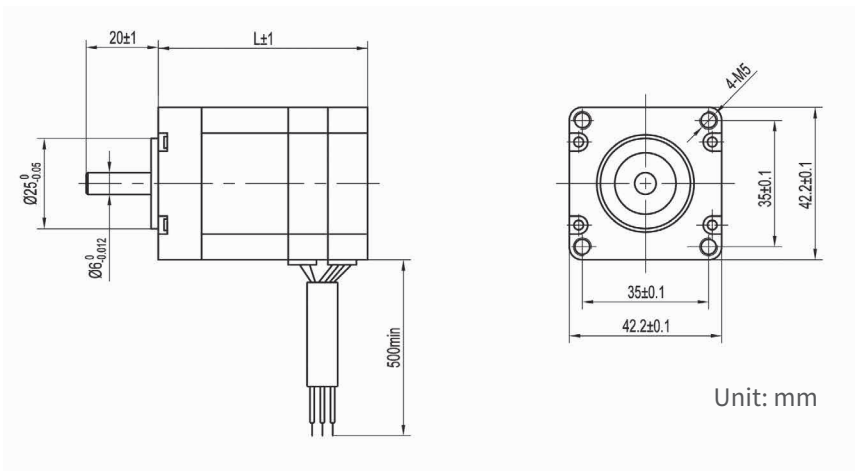
*以上仅为代表产品，派生产品可按客户需求定制。
*Products can be customized by special request.

*该产品可适配36, 42减速箱。
*Products can match gearbox 36, 42.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE/接线表			
FUNCTION/功能	COLOR/颜色		
+5V	RED	红	UL1007 26AWG
HALL A	YELLOW	黄	
HALL B	GREEN	绿	
HALL C	BLUE	蓝	
GND	BLACK	黑	UL3265 22AWG
PHASE A	YELLOW	黄	
PHASE B	GREEN	绿	
PHASE C	BLUE	蓝	

外型图 Mechanical Dimension



57BL

» 无刷直流电机
BRUSHLESS DC MOTOR

详细说明 General Specifications



绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	75N (10mm from front flange)
最大轴向负荷	Max Axial Force	15N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转矩 Rated Torque (N.M)	额定转速 Rated Speed (RPM)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值扭矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势常数 Back EMF Constant (V/kRPM)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
57BL01G	4	3	24	0.057	2500	0.77	15.0	0.17	2.3	0.074	7.75	41.5	0.35
57BL02A			24	0.11	3000	1.87	34.5	0.33	5.6	0.059	6.20	46.5	0.44
57BL03B			24	0.18	3000	3.17	56.0	0.54	9.5	0.057	5.90	56.5	0.56
57BL04A			24	0.22	3000	3.67	69.0	0.66	11	0.060	6.30	66.5	0.67
57BL05A			24	0.33	3000	5.33	104	0.99	16	0.062	6.50	86.5	0.95
57BL06			24	0.44	3000	7.00	138	1.32	21	0.063	6.60	106.5	1.18

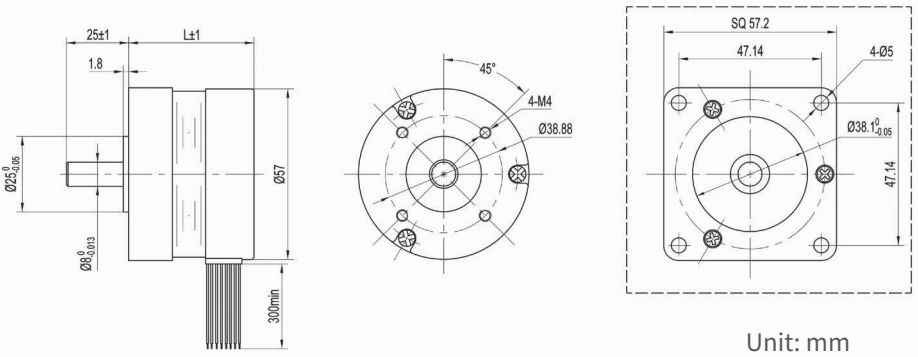
*以上仅为代表产品，派生产品可按客户需求定制。
*Products can be customized by special request.

*该产品可适配 52, 56 减速箱。
*Products can match gearbox 52, 56.

接线图 Wiring Diagram

外型图 Mechanical Dimension

ELECTRICAL CONNECTION TABLE/接线表		
FUNCTION/功能	COLOR/颜色	
+5V	RED	红
HALL A	YELLOW	黄
HALL B	GREEN	绿
HALL C	BLUE	蓝
GND	BLACK	黑
PHASE A	YELLOW	黄
PHASE B	GREEN	绿
PHASE C	BLUE	蓝



57BL

割草机专用切割电机

LAWN MOWER DEDICATED CUTTING MOTOR

详细说明 General Specifications



绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	75N (10mm from front flange)
最大轴向负荷	Max Axial Force	15N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage	额定转速 Rated Speed	额定力矩 Rated Torque	额定电流 Rated Current	输出功率 Output Power	峰值力矩 Peak Torque	峰值电流 Peak Current	力矩常数 Torque Constant	反电势 常数 Back EMF Constant	转动惯量 Rotor Inertia	机身高度 Motor Height L	重量 Motor Weight
			(VDC)	(RPM)	(N.M)	(Amps)	(Watts)	(N.M)	(Amps)	(N.M/Amps)	(V/kRPM)	(g.cm²)	(mm)	(kg)
57BLX05	6	3	21.6	4000	0.65	18	270	1.95	54	0.036	3.8	100	86.5	0.95
57BL08A	4		18	4200	0.14	4.0	62	0.42	12	0.034	3.6	100	58.5	0.52
57BL327			36	3600	0.3	4.2	113	0.9	12.9	0.076	8.0	100	63.5	0.58

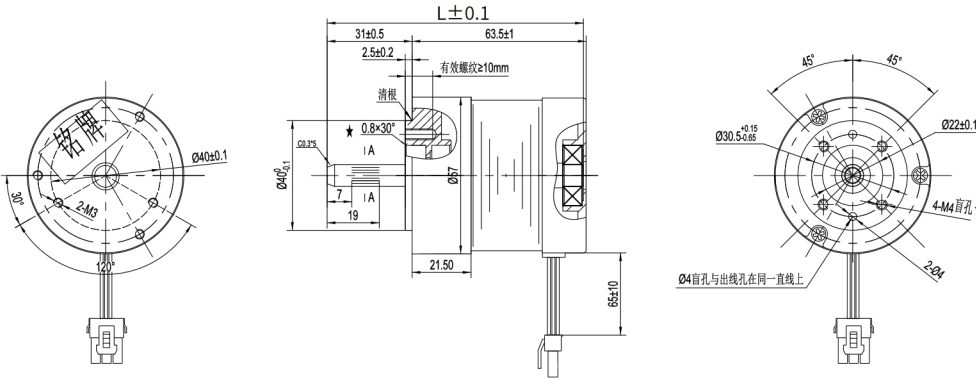
*以上仅为代表产品, 派生产品可按客户需求定制。
*Products can be customized by special request.

*该产品可适配 52, 56减速箱。
*Products can match gearbox 52, 56.

接线图 Wiring Diagram

外型图 Mechanical Dimension

ELECTRICAL CONNECTION TABLE / 接线表				
PHASE A	YELLOW	黄	UL 3266 AWG 20	
PHASE B	GREEN	绿		
PHASE C	BLUE	蓝		



Unit: mm

57BLF

无刷直流电机 BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	115N (10mm from front flange)
最大轴向负荷	Max Axial Force	45N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转矩 Rated Torque (N.M)	额定转速 Rated Speed (RPM)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值扭矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势 常数 Back EMF Constant (V/kRPM)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
57BLF01	8	3	24	0.2	3000	3.33	80	0.6	10.0	0.06	6.30	59	0.61
57BLF02			24	0.4	3000	6.67	125	1.2	20.0	0.06	6.30	80	0.94
57BLF03			24	0.6	3000	10.0	188	1.8	30.0	0.06	6.30	101	1.25
57BLF04A-001			36	0.8	3000	8.87	251	2.4	26.6	0.09	9.47	122	1.59

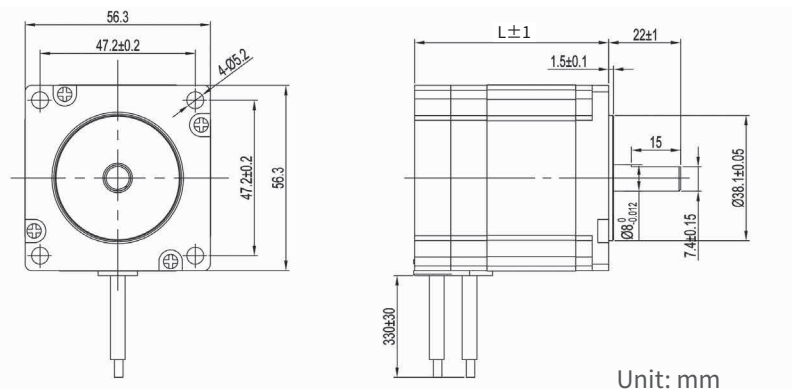
*以上仅为代表产品，派生产品可按客户需求定制。
*Products can be customized by special request.

*该产品可适配 52, 56减速机。
*Products can match gearbox 52, 56.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE/接线表			
FUNCTION/功能	COLOR/颜色		
+5V	RED	红	UL1007 26AWG
HALL A	YELLOW	黄	
HALL B	GREEN	绿	
HALL C	BLUE	蓝	
GND	BLACK	黑	UL1015 20AWG
PHASE A	YELLOW	黄	
PHASE B	GREEN	绿	
PHASE C	BLUE	蓝	

外型图 Mechanical Dimension



Unit: mm

» 无刷直流电机
BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20℃~+50℃
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600 VAC 1 minute

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage	额定转速 Rated Speed	额定力矩 Rated Torque	额定电流 Rated Current	输出功率 Output Power	峰值力矩 Peak Torque	峰值电流 Peak Current	力矩常数 Torque Constant	反电势常数 Back EMF Constant	转动惯量 Rotor Inertia	机身高度 Motor Height L	重量 Moto Weight
			(VDC)	(RPM)	(N.M)	(Amps)	(Watts)	(N.M)	(Amps)	(N.M/Amps)	(V/kRPM)	(g.cm²)	(mm)	(kg)
60BLH01	10	3	24	3000	0.64	11.5	200	1.80	34.5	0.055	5.7	150	88.50	1.0
60BLH02			24	3000	1.27	22.0	400	3.57	66.0	0.055	5.7	320	108.5	1.3

*以上仅为代表产品,派生产品可按客户需求定制。

*Products can be customized by special request.

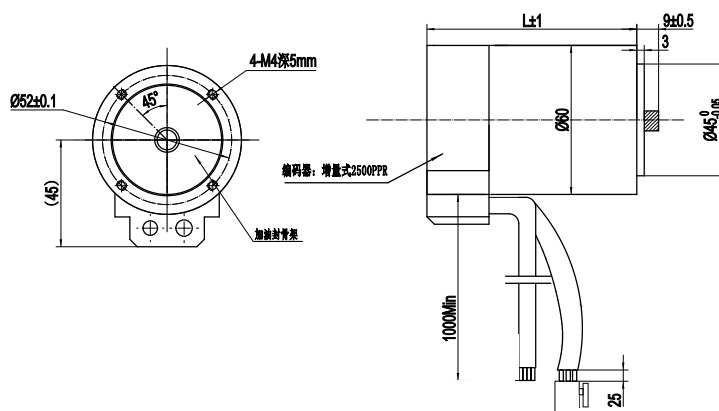
*该产品可适配60高精密型减速箱。

*The product can be adapted to 60 high-precision gearboxes.

接线图 Wiring Diagram

外型图 Mechanical Dimension

PIN	COLOR	SIGNAL	PIN	COLOR	SIGNAL
1	红	+5v(编码器和霍尔线共正极)	9	黄/黑	Z-
2	—	—	10	—	—
3	黄	Z+	11	绿/黑	B-
4	黑	GND(编码器和霍尔线共负极)	12	白/黑	W-
5	绿	B+	13	蓝/黑	A-
6	灰/黑	V-	14	灰	V+
7	蓝	A+	15	棕	U+
8	棕/黑	U-	16	白	W+



Unit: mm

65BLX

无刷直流电机
BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute

技术数据 Technical Specifications

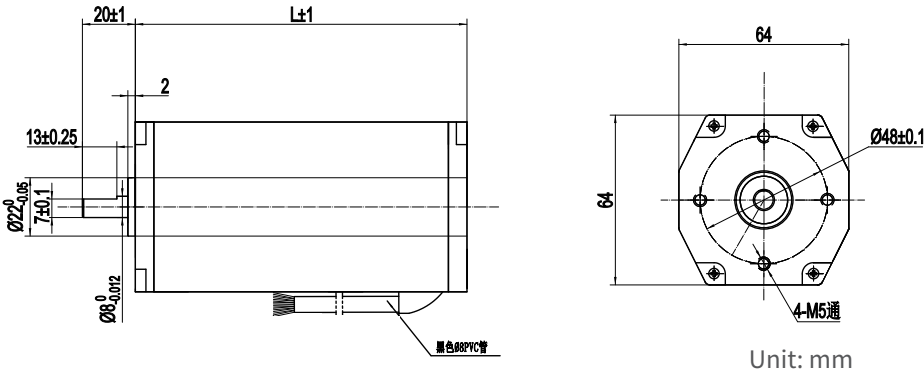
电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转速 Rated Speed (RPM)	额定力矩 Rated Torque (N.M)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值力矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势常数 Back EMF Constant (V/kRPM)	转动惯量 Rotor Inertia (g.cm ²)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
65BLX01	8	3	24	4000	0.24	6	100	0.72	18	0.057	6	72	100	1.0
65BLX02			24	4000	0.43	8	180	1.29	24	0.057	6	128	125	1.5
65BLX03			24	4000	0.55	10	230	1.65	30	0.057	6	172	150	2.0

*以上仅为代表产品, 派生产品可按客户需求定制。
*Products can be customized by special request.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE /接线图				
+5V	RED	红	UL3266 26 AWG	
HALL A	YELLOW	黄		
HALL B	GREEN	绿		
HALL C	BLUE	蓝		
GND	BLACK	黑	UL3266 16AWG	
PHASE A	YELLOW	黄		
PHASE B	GREEN	绿		
PHASE C	BLUE	蓝		

外型图 Mechanical Dimension



» 无刷直流电机
BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage	额定转速 Rated Speed	额定力矩 Rated Torque	额定电流 Rated Current	输出功率 Output Power	峰值力矩 Peak Torque	峰值电流 Peak Current	力矩常数 Torque Constant	反电势常数 Back EMF Constant	转动惯量 Rotor Inertia	机身高度 Motor Height L	重量 Motor Weight
			(VDC)	(RPM)	(N.M)	(Amps)	(Watts)	(N.M)	(Amps)	(N.M/Amps)	(V/kRPM)	(g.cm ²)	(mm)	(kg)
75BLX01	8	3	40	3500	0.64	7.40	235	1.9	22.2	0.093	9.70	648	110	2.0
75BLX02			40	3100	1.10	10.5	357	3.3	31.5	0.104	10.9	813	140	2.5
75BLX03			40	3100	1.47	12.0	477	4.4	36.0	0.104	10.9	980	165	3.0

*以上仅为代表产品,派生产品可按客户需求定制。

*Products can be customized by special request.

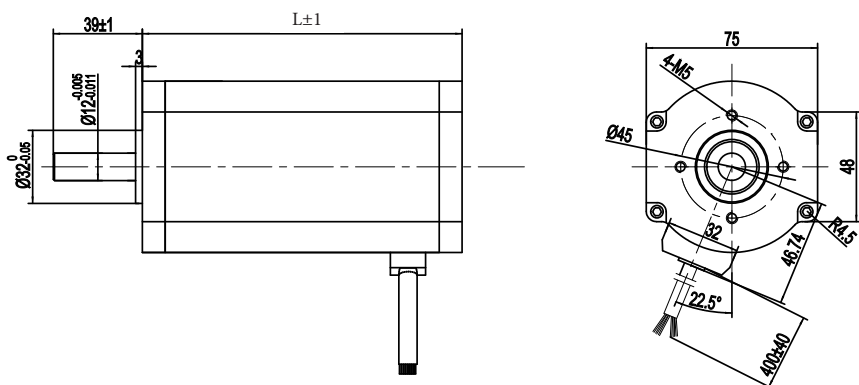
*该产品可配置75减速箱。

*The product can be equipped with gearboxes 75.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE/接线图			
+5V	RED	红	UL3266 26 AWG
HALL A	YELLOW	黄	
HALL B	GREEN	绿	
HALL C	BLUE	蓝	
GND	BLACK	黑	
PHASE A	YELLOW	黄	UL3266 16AWG
PHASE B	GREEN	绿	
PHASE C	BLUE	蓝	

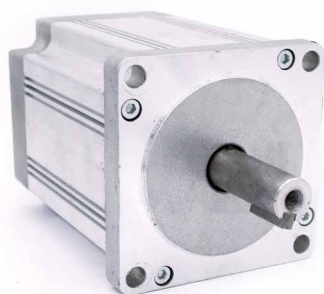
外型图 Mechanical Dimension



Unit: mm

80BL

无刷直流电机
BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	220N (10mm from front flange)
最大轴向负荷	Max Axial Force	60N

技术数据 Technical Specifications

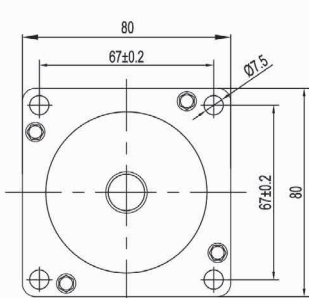
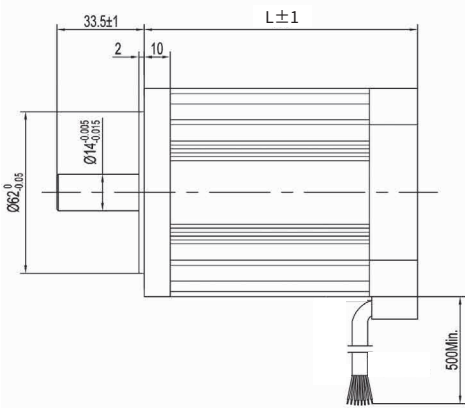
电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转矩 Rated Torque (N.M)	额定转速 Rated Speed (RPM)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值扭矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势常数 Back EMF Constant (V/kRPM)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
80BL01A	4	3	48	0.7	3000	6.36	220	2.1	19.0	0.11	12.0	105.0	2.19
80BL02A			48	1.2	3000	11.0	376	3.6	33.0	0.11	12.0	132.5	2.80
80BL03A			310	1.8	3000	2.43	565	5.4	7.30	0.74	77.5	160.0	3.50

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*Products can be customized by special request.

接线图 Wiring Diagram

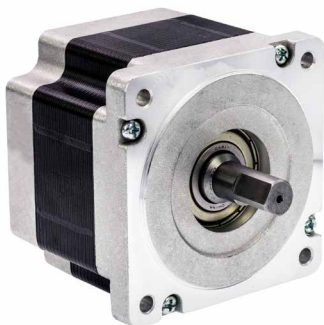
外型图 Mechanical Dimension

ELECTRICAL CONNECTION TABLE/接线表			
FUNCTION/功能	COLOR/颜色		
+5V	RED	红	UL1007 26AWG
HALL A	YELLOW	黄	
HALL B	GREEN	绿	
HALL C	BLUE	蓝	
GND	BLACK	黑	AF0.75
PHASE A	YELLOW	黄	
PHASE B	GREEN	绿	
PHASE C	BLUE	蓝	



Unit: mm

86BLF

» 无刷直流电机
BRUSHLESS DC MOTOR

详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	600VAC 1 minute
最大径向负荷	Max Radial Force	220N (10mm from front flange)
最大轴向负荷	Max Axial Force	60N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage	额定转矩 Rated Torque	额定转速 Rated Speed	额定电流 Rated Current	输出功率 Output Power	峰值扭矩 Peak Torque	峰值电流 Peak Current	力矩常数 Torque Constant	反电势 常数 Back EMF Constant	机身高度 Motor Height L	重量 Motor Weight
			(VDC)	(N.M)	(RPM)	(Amps)	(Watts)	(N.M)	(Amps)	(N.M/ Amps)	(V/ krPM)	(mm)	(kg)
86BLF01	8	3	48	1.40	3000	12.17	439	4.20	36.5	0.115	12.0	94.0	2.99
86BLF02A			48	1.05	3000	8.67	329	3.15	26.0	0.121	12.6	80.5	2.44
86BLF03			48	0.70	3000	5.33	220	2.10	16.0	0.130	13.7	67.0	1.78
86BLF06C			48	1.80	3000	16.33	565	5.40	49.0	0.110	12.0	107.5	3.39
86BLF07			48	2.10	3000	19.67	660	6.30	59.0	0.106	11.2	124.0	4.07

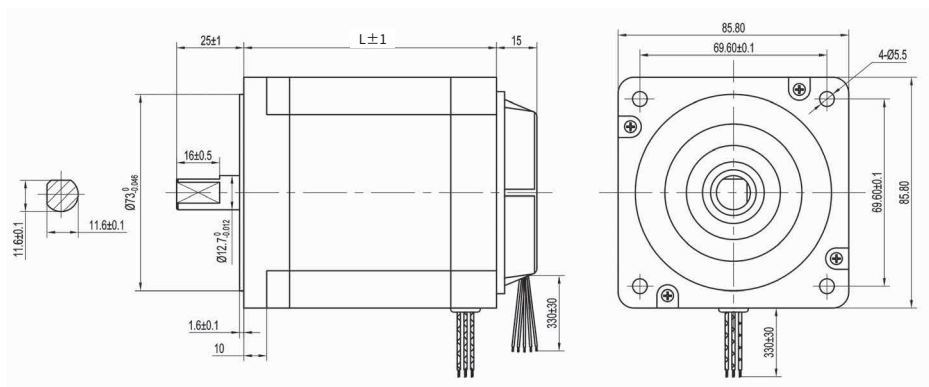
*以上仅为代表产品,派生产品可按客户需求定制。

*Products can be customized by special request.

接线图 Wiring Diagram

外型图 Mechanical Dimension

ELECTRICAL CONNECTION TABLE/接线表			
FUNCTION/功能	COLOR/颜色		
+5V	WHITE	白	UL1007 26AWG
HALL A	RED	红	
HALL B	YELLOW	黄	
HALL C	BLUE	蓝	
GND	BLACK	黑	UL1015 18AWG
PHASE A	RED	红	
PHASE B	YELLOW	黄	
PHASE C	BLUE	蓝	

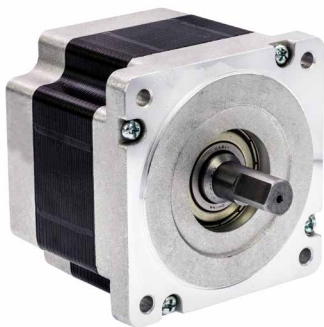


Unit: mm

86BLH

无刷直流电机

BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	700VAC 1 minute

技术数据 Technical Specifications

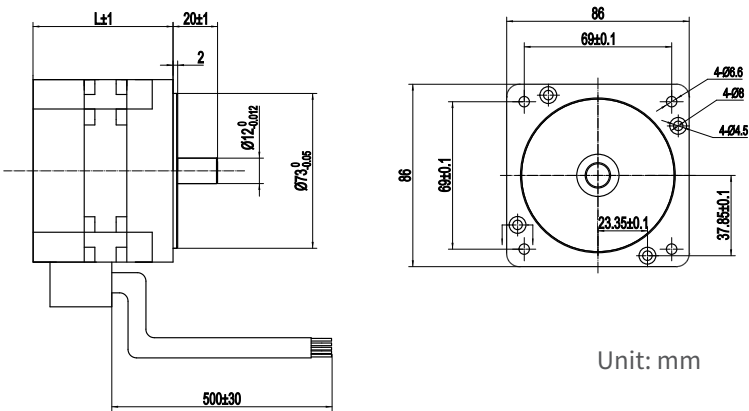
电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转速 Rated Speed (RPM)	额定力矩 Rated Torque (N.M)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值力矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势 常数 Back EMF Constant (V/kRPM)	转动惯量 Rotor Inertia (g.cm ²)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
86BLH01	8	3	24	3000	0.64	6.0	200	1.9	18	0.064	6.7	800	66.5	2.0
86BLH02			24	3000	1.0	11	314	3.0	33	0.064	6.7	1000	76.5	2.5
86BLH03			24	3000	1.4	17	440	4.2	51	0.064	6.7	1200	86.5	3.0
86BLH04			24	3000	1.8	24	565	5.4	72	0.064	6.7	1400	96.5	3.5
86BLH05			24	3000	2.5	40	785	7.5	120	0.064	6.7	1600	106.5	4.0

*以上仅为代表产品,派生产品可按客户需求定制。
*Products can be customized by special request.

接线图 Wiring Diagram

ELECTRICAL CONNECTION TABLE/接线图			
+5V	RED	红	UL3266 26 AWG
HALL A	YEL	黄	
HALL B	GRN	绿	
HALL C	BLU	蓝	
GND	BLK	黑	UL3266 14AWG
PHASE A	YEL	黄	
PHASE B	GRN	绿	
PHASE C	BLU	蓝	

外型图 Mechanical Dimension



110BLF

无刷直流电机 BRUSHLESS DC MOTOR



详细说明 General Specifications

绕线接法	Winding Type	Star
霍尔角度	Hall effect angle	120° Electrical angle
绝缘等级	Insulation Class	B
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100MΩ Min.500 VDC
绝缘强度	Dielectric Strength	1500VAC 1 minute
最大径向负荷	Max Radial Force	330N (10mm from front flange)
最大轴向负荷	Max Axial Force	100N

技术数据 Technical Specifications

电机型号 Model	极数 No. of Poles	相数 No. of Phase	额定电压 Rated Voltage (VDC)	额定转矩 Rated Torque (N.M)	额定转速 Rated Speed (RPM)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	峰值扭矩 Peak Torque (N.M)	峰值电流 Peak Current (Amps)	力矩常数 Torque Constant (N.M/Amps)	反电势常数 Back EMF Constant (V/kRPM)	机身高度 Motor Height L (mm)	重量 Motor Weight (kg)
110BLF01	8	3	310	3.5	3000	4.72	1100	10.5	14.0	0.74	77.5	156.0	5.08
110BLF02			310	4.5	3000	6.10	1413	13.5	18.3	0.74	77.5	177.0	6.06
110BLF03			310	6.5	3000	8.77	2040	19.5	26.3	0.74	77.5	216.0	7.88

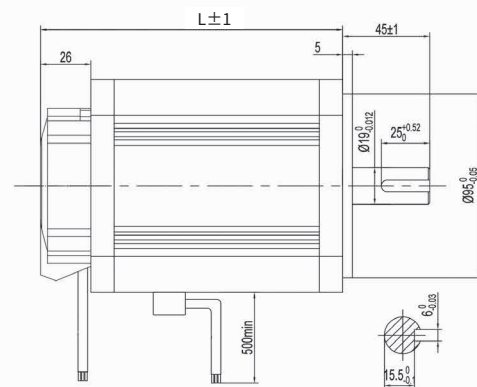
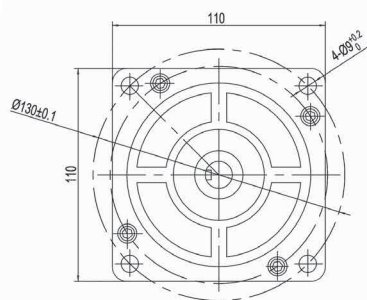
*以上仅为代表产品, 派生产品可按客户需求定制。

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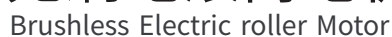
接线图 Wiring Diagram

外型图 Mechanical Dimension

ELECTRICAL CONNECTION TABLE/接线表		
FUNCTION/功能	COLOR/颜色	
+5V	RED	红
HALL A	YELLOW	黄
HALL B	GREEN	绿
HALL C	BLUE	蓝
GND	BLACK	黑
PHASE A	YELLOW	黄
PHASE B	GREEN	绿
PHASE C	BLUE	蓝



Unit: mm



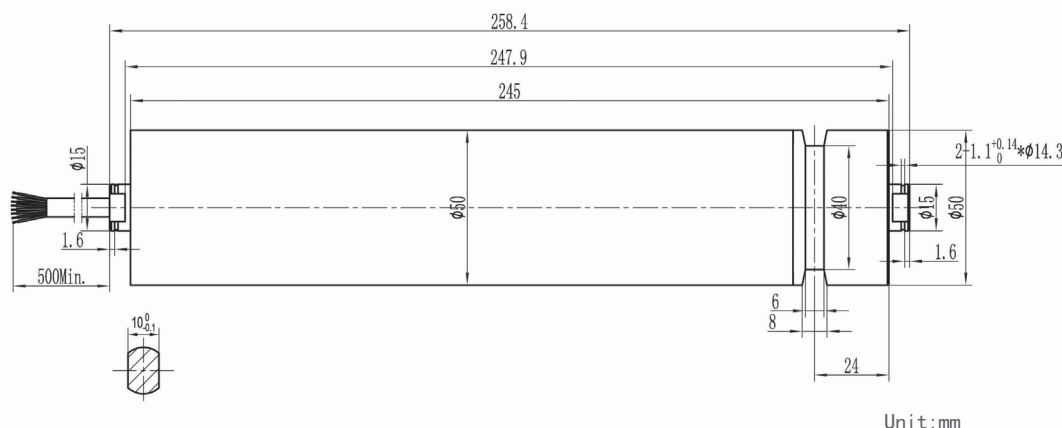
A close-up photograph of a cylindrical metal component, likely a piston or a similar mechanical part. The component is made of a polished metal, possibly aluminum or steel, and shows signs of wear and discoloration. The internal structure, including a central shaft or pin, is visible through the open end of the cylinder. The lighting highlights the metallic texture and the smooth finish of the outer surface.

型号	标称电压	额定力矩	额定转速	额定电流	输出功率	电阻	力矩常数	反电势 常数	电机高度	电机重量
Model	Nominal Voltage (VDC)	Rated Torque (N.m)	Rated Speed (RPM)	Rated Current (Amps)	Output Power (Watts)	Resistance (OHMS)	Torque Constant (N.m/Amps)	Back EMF Constant (V/kRPM)	Motor Height L (mm)	Motor Weight (kg)
GT50-0072150-001	48	0.72	1800	3.5	135	1.8	0.19	20.0	245	2.2

* Products can be customized by special request.

外型图 Mechanical Dimension

Colour	Function	Wire Rule
Yellow	U	20AWG UL1330
Red	V	
Black	W	
/		



无刷电滚筒电机

Brushless Electric roller Motor

Brushless Electric roller GT67-0580-002

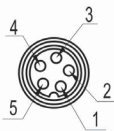
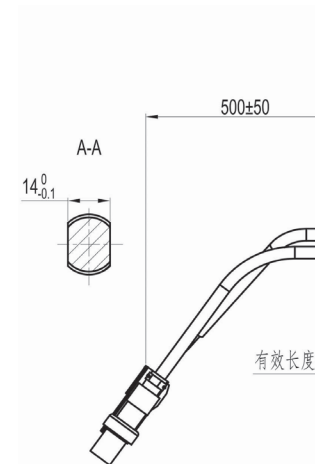


技术参数 Technical Specifications

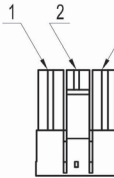
型号 Model	标称电压 Nominal Voltage (VDC)	额定力矩 Rated Torque (N.m)	额定转速 Rated Speed (RPM)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	电阻 Resistance (OHMS)	力矩常数 Torque Constant (N.m/Amps)	反电势常数 Back EMF Constant (V/kRPM)	电机高度 Motor Height L (mm)	电机重量 Motor Weight (kg)
GT67-0580-002	48	5.0	800	21.0	500	0.7	0.24	25.0	428	5.2

*以上仅为代表产品, 派生产品可按客户需求定制。
* Products can be customized by special request.

接线图 Wiring Diagram

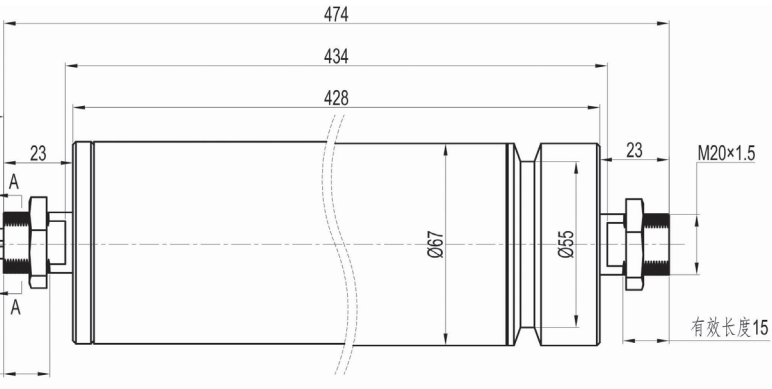


Hall wire definition		
PIN	Colour	Function
1	Blue	HC
2	Green	HB
3	Yellow	HA
4	Black	GND
5	Red	+5V



Motor wire definition		
PIN	Colour	Function
1	Yellow	U
2	Green	V
3	Blue	W

外型图 Mechanical Dimension



Unit:mm

伺服电滚筒电机

Servo Electric roller Motor

**Servo Electric roller
GT67-0580-001**



技术参数 Technical Specifications

型号 Model	标称电压 Nominal Voltage (VDC)	额定力矩 Rated Torque (N.m)	额定转速 Rated Speed (RPM)	额定电流 Rated Current (Amps)	输出功率 Output Power (Watts)	电阻 Resistance (OHMS)	力矩常数 Torque Constant (N.m/Amps)	反电势常数 Back EMF Constant (V/kRPM)	电机高度 Motor Height L (mm)	电机重量 Motor Weight (kg)
GT67-0580-001	48	5.0	800	21.0	500	0.7	0.24	25.0	428	5.2

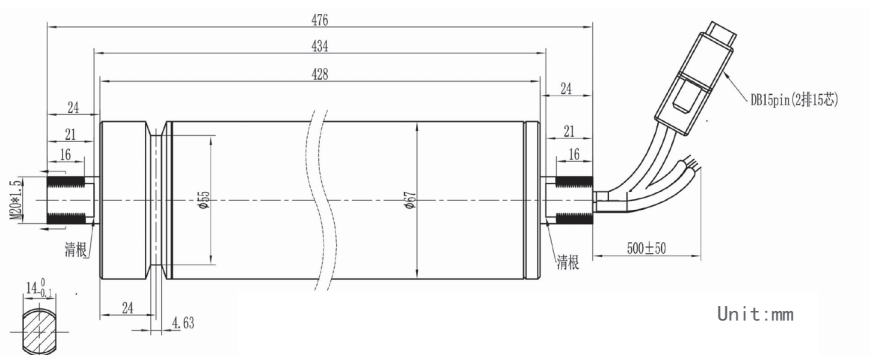
*以上仅为代表产品，派生产品可按客户需求定制。
* Products can be customized by special request.

接线图 Wiring Diagram

PIN	Colour	Function	Wire Rule
1	Yellow	U	16AWG UL1330
2	Blue	V	
3	Green	W	
4	/		

Encoder: 2500ppr					
PIN	Colour	Function	PIN	Colour	Function
1	Red	DC+5V	9	Black	GND
2	Blue	A	10	Blue/Black	$\overline{A}$
3	Green	B	11	Green/Black	$\overline{B}$
4	Yellow	Z	12	Yellow/Black	$\overline{Z}$
5	Brown	U	13	Brown/Black	$\overline{U}$
6	Grey	V	14	Grey/Black	$\overline{V}$
7	White	W	15	White/Black	$\overline{W}$
8	NC	Shield			

外型图 Mechanical Dimension



标准型无刷电机驱动

Standard Brushless Motor Driver



技术参数 Technical Specifications

型号 Model	电压 Voltage (VDC)	额定电流 Rated Current (Amps)	最大电流 Maximum current (Amps)	功率范围 Power Range (Watts)	重量 Weight (kg)	适用电机 Applicable Motors (mm)	是否带通讯 With or without communication
BLDC-4005A	12~36	5	5	120	0.320	28,36,42	/
BLD-5015A	12~48	15	30	300	0.628	42,57	/
BLDC-5015R	12~48	15	30	300	0.628	42,57	485通讯
BLDC-5015A	12~48	15	30	300	0.628	42,57	/
BLDC-5025A	12~48	25	50	750	0.628	57,80,86	/

» 通讯型无刷电机驱动

Communication-enabled Brushless Motor Driver



技术参数 Technical Specifications

型号 Model	电压 Voltage (VDC)	适配电机 Applicable Motors (W)	调速范围 Speed Range (RPM)	调速方式 Speed Regulation method
BL60A	24	60W	150~3000	内透电位/ 外透电位/ 模拟量/ PWM Internal Transmission potential / External Transmission potential / Analog Qty / PWM
BLR60A	24	60W		
BL120A	24	120W		
BLR120A	24	120W		
BL300A	48	300W		
BLR300A	48	300W		
BHR400A	220	400W		
BL750A	48	750W		
BHR750A	220	750W		

» 数字型无刷电机驱动

Digital Brushless Motor Driver



技术参数 Technical Specifications

型号 Model	电压 Voltage (VDC)	适配电机 Applicable Motors (W)	功率 Power (W)	调速范围 Speed Range (RPM)	调速方式 Speed Regulation method
EBD30A	220V输入, 24V输出	60W	≤30W	150~3000	面板旋钮/ PWM/ 脉冲信号 Knob/ PWM / Pulse Signal
EBD80A	220V输入, 24V输出	60W	≤80W		
EBD120A	24V输入, 24V输出	120W	≤120W		
EH200A	220V输入, 24V输出	120W	≤200W		
EHD200A	220V输入, 220V输出	300W	≤200W		
EHD400A	220V输入, 220V输出	400W	≤400W		
EHD750A	220V输入, 220V输出	750W	≤750W		

合泰足迹Places

HeTai Has Been



合泰致力于为用户提供专业的机电一体化系统解决方案。

Hetai motors, Dedicated in providing professional automation strategies for customers.

单位转换 Unit Coverion

长度 Length

A \ B	mm	cm	m	Inch	Feet
mm	1	0.1	0.001	0.03937	0.003281
cm	10	1	0.01	0.3937	0.03281
m	1000	100	1	39.37	3.281
Inch	25.4	2.54	0.0254	1	0.08333
Feet	304.8	30.48	0.3048	12	1

力 Force

A \ B	g	kgf	oz	lb	Newton
g	1	0.001	0.03527	0.002205	0.0098
kgf	1000	1	35.27	2.205	9.807
oz	28.35	0.02835	1	39.37	0.278
lb	453.6	0.4536	16	1	4.448
Newton	102	0.102	3.597	0.2248	1

转矩 Torque

A \ B	Nm	Ncm	mNm	kgm*	kgcm*	gcm*	oz-in	lb-ft	lb-in
Nm	1	100	1000	0.102	10.2	10200	141.6	0.7376	8.851
Ncm	0.01	1	10	0.00102	0.102	102	1.416	0.007376	0.08851
mNm	0.001	0.1	1	0.000102	0.0102	10.2	0.1416	0.000738	0.008851
kgm*	9.807	980.7	9807	1	100	100000	1389	7.233	86.8
kgcm*	0.09807	9.807	98.07	0.01	1	1000	13.89	0.07233	0.868
gcm*	0.0009807	0.009807	0.009807	0.00001	0.001	1	0.01389	7.23E-05	0.000868
oz-in	0.007062	0.7062	7.062	0.0007201	0.07201	72.01	1	0.00521	0.0625
lb-ft	1.356	135.6	1356	0.1383	13.83	13830	192	1	12
lb-in	0.113	11.3	113	0.01152	1.152	1152	16	0.0833	1

惯量 Intertia

A \ B	kgm²	kgcm²	gcm²	oz-in²	oz-in-sec²	lb-in²	lb-in-sec²	lb-ft²	“lb-ft-sec² (slug ft²)”
kgm²	1	10000	10000000	54,700	142	3420	8.85	23.7	0.738
kgcm²	0.0001	1	1,000	5.47	0.0142	0.342	0.000885	0.00237	7.38E-05
gcm²	0.0000001	0.001	1	0.00547	1.42E-05	0.000342	8.85E-07	2.37E-06	7.38E-08
oz-in²	0.00001829	0.1829	183	1	0.00259	0.0625	0.000162	0.000434	1.35E-05
oz-in-sec²	0.00706	70.62	70,600	386	1	24.1	0.0625	0.168	0.00521
lb-in²	0.0002926	2.926	2,930	16	0.0414	1	0.00259	0.00694	0.000216
lb-in-sec²	0.113	1,130	1130000	6,180	16	386	1	2.68	0.0833
lb-ft²	0.0421	421.4	421,000	2,300	5.97	144	0.373	1	0.0318
“lb-ft-sec² (slug	1.36	13,600	13600000	74,100	192	4,630	12	32.2	1



常州合泰电机电器股份有限公司

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Selection Applet