



ZLTECH PRODUCT CATALOGUE



专注于机器人电机的制造与应用
FOCUS ON ROBOTICS MOTOR'S MANUFACTURE & APPLICATION

DISTRIBUTOR

YTK CO., LTD.

Address: NAMBA PARKS 19F, 2-10-70 Nambanaka, Naniwa-ku, Osaka-shi, Osaka, 547-0004, Japan

Tel: +81 6 7662 8687

Email: info@ytk-group.co.jp

Website: www.ytk-group.co.jp

深圳中菱科技有限公司

ShenZhen ZhongLing Technology Co., Ltd.

办公地址: 深圳市宝安区西乡街道铁仔路凤凰智谷B栋3楼303

Office Address: 303 Room, Building B, Country Garden Phoenix Wisdom Valley, Gongle Tiezai Rd., Xixiang St., Bao'an Dist, Shenzhen, China

工厂地址: 东莞市黄江镇长龙新风街16号常兴智谷产业园D栋6楼

Factory Address: 6th Floor, Building D, Changxing Zhigu Industrial Park, No. 16 Changlong Xinfeng Street, Huangjiang Town, Dongguan, China

电话: 0755-2979 9302 传真: 0755-2912 4283 邮箱: sales@zlingkj.com

网址: www.zlingkj.com 外贸独立站: www.robotmotor.com

Tel: 0755-2979 9302 Fax: 0755-2912 4283 Email: sales@zlingkj.com

Website: www.zlingkj.com E-commerce Website: www.robotmotor.com



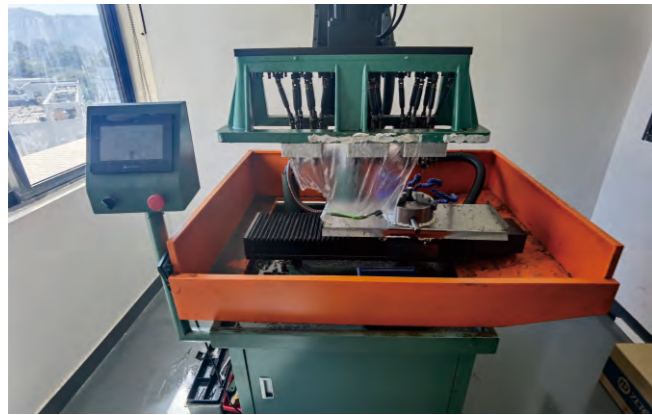
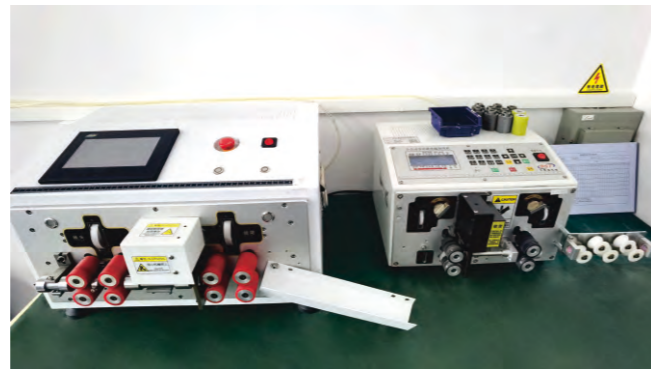
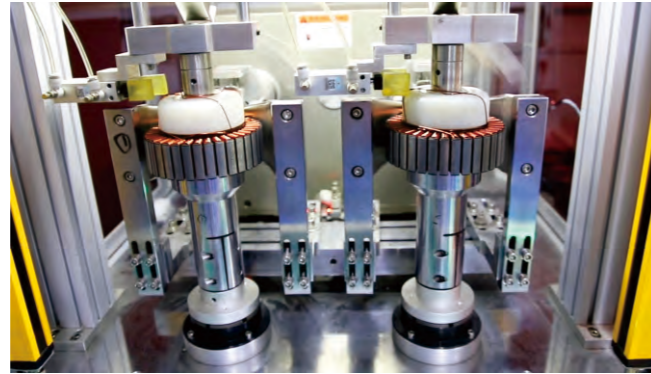
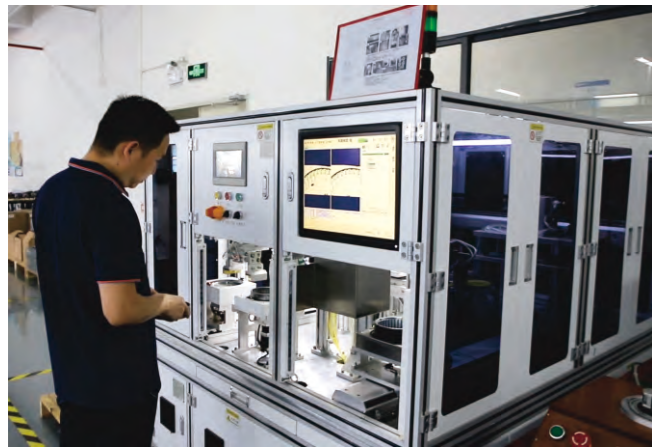
2024中菱科技 产品手册 V24



专注 | 创新 | 厚德 | 务实

生产设备

Production Equipment



配备多台自动绕线机, 双工位飞叉绕线机, 视觉点胶插磁设备, 高精度自动破锡机, 自动点胶机, 静音端子机, 精密压力机, 全自动多功能电脑剥线机, 精密电子调温焊台, 可调恒温熔锡炉, 自动螺丝机, 自动焊锡机, 轴承组装机等

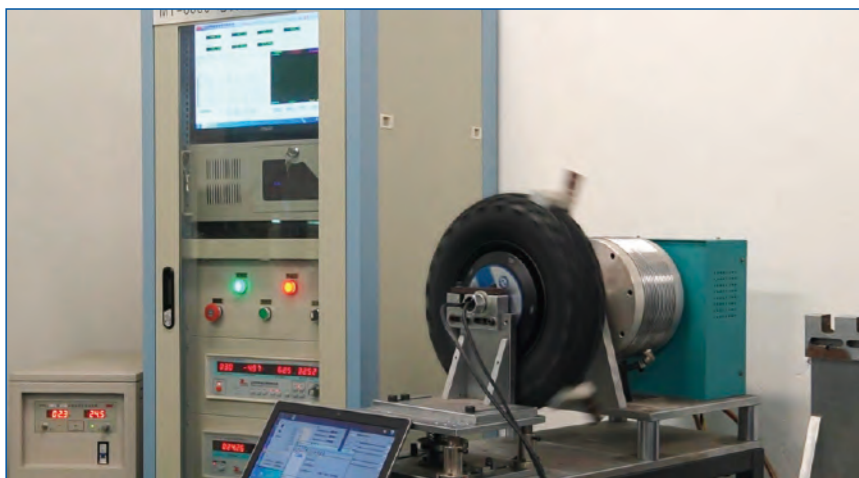
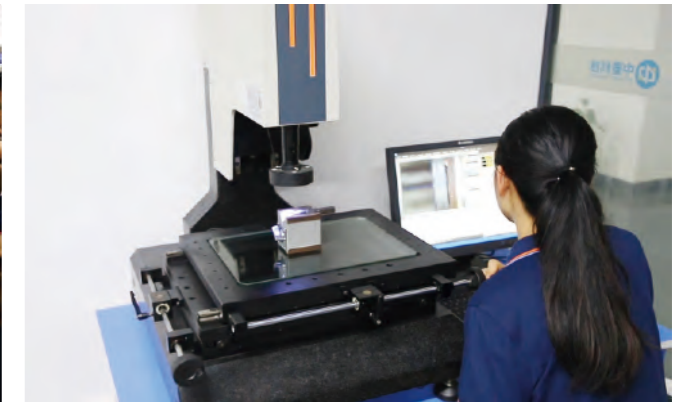
Winding Machine, Mute Terminal Machine, Precision Press Machine, Automatic Multi-functional Computer Wire Stripper, Precision Electronic Temperature Adjustment Welding Table, Adjustable Constant Temperature Tin Melting Furnace, Automatic Screw Machine, Automatic Soldering Machine, Bearing Assembly Machine

检测设备

Testing Equipment

无刷电机定子测试系统, 电机校正测试工装, 自动化测试设备, 盐雾测试机, 可程式恒温恒湿试验箱, 匝间冲击耐压测试仪, 耐电高压测试仪, 数位示波器, LCR数字电桥, 调数变压器, 脉冲测试仪, 电机测试系统, 电机爬坡测试台, 电机综合测试仪

Salt Spray Testing Machine, Programmable Constant Temperature And Humidity Test Paper Box, Inter-turn Impact Withstand Voltage Tester, Electric Withstand High Voltage Tester, Digital Oscilloscope, Lcr Digital Bridge, Adjustable Transformer, Pulse Tester, Motor Test System, Motor Climbing Test Bench, Motor Comprehensive Tester



机器人/AGV轮毂伺服系列

Robot/AGV Hub Servo Series

▶ 轮毂伺服电机驱动器

Servo Driver



▶ 轮毂伺服电机驱动器命名规则

Servo Driver Part Number

示例 Example	ZL AC 80 15 - D	
	① ② ③ ④ ⑤	
①	ZL: 中菱科技	ZL: Shenzhen ZhongLing Technology Co., Ltd.
②	AC: 低压交流	AC: Low Voltage Alternating Current
③	80: 最高输入电压 (80: 80V)	80: Max Input Voltage (80: 80V)
④	15: 额定输出电流 (15: 15A)	15: Rated Output Current (15: 15A)
⑤	缺省: 单路输出 D: 双路输出	Default: Single Channel D: Dual Channel

▶ 轮毂伺服电机驱动器选型

Servo Driver Selection

型号 Model	ZLAC8015	ZLAC8015D	ZLAC8020D
实拍图 Photo			
工作电压 (V) Working Voltage	24V-48VDC	24V-48VDC	24V-48VDC
输出电流 (A) Output Current	单路输出, 均值 15A 峰值 30A Single Channel, Rated 15A Max 30A	双路输出, 均值 15A 峰值 30A Dual Channel, Rated 15A Max 30A	双路输出, 均值 20A 峰值 40A Dual Channel, Rated 20A Max 40A
控制方式 Control Method	CANOpen, RS485通讯 CANOpen, RS485	CANOpen, RS485通讯 CANOpen, RS485	模拟量, PWM, CANOpen, RS485通讯 Analog, PWM, CANOpen, RS485
外形尺寸 (mm) Dimension	118x76x34	150x97x31	150x97x31
适配轮毂伺服电机 Matching Hub Servo Motor	500W以下轮毂伺服电机 Hub Servo Motor with Power less than 500W	500W以下轮毂伺服电机 Hub Servo Motor with Power less than 500W	800W以下轮毂伺服电机 Hub Servo Motor with Power less than 800W

型号 Model	ZLAC8030L	ZLAC8030D
实拍图 Photo		
工作电压 (V) Working Voltage	24V-48VDC	24V-48VDC
输出电流 (A) Output Current	单路输出, 均值 30A 峰值 60A Single Channel, Rated 30A Max 60A	双路输出, 均值 30A 峰值 60A Dual Channel, Rated 30A Max 60A
控制方式 Control Method	CANOpen, RS485通讯 CANOpen, RS485	CANOpen, RS485通讯, (模拟量、PWM可定制) CANOpen, RS485, (Analog, PWM Customizable)
外形尺寸 (mm) Dimension	149.6x97x30.8	200x136x52.5
适配轮毂伺服电机 Matching Hub Servo Motor	大功率款轮毂伺服电机 High Power Hub Servo Motor	大功率款轮毂伺服电机 High Power Hub Servo Motor

► 轮毂伺服电机
Hub Servo Motor



► 轮毂伺服电机命名规则
Hub Servo Motor Part Number

示例 Example	ZL LG 65 ASM 250 单/双轴 <input type="text"/> <input type="text"/> <input type="text"/>	
	① ② ③ ④ ⑤ ⑥ ⑦	
①	ZL: 中菱科技	ZL: Shenzhen ZhongLing Technology Co., Ltd.
②	LG: 轮毂伺服电机	LG: Hub Servo Motor
③	65: 电机尺寸 (35:3.5寸, 65:6.5寸, 10:10寸)	65: Wheel Size, 6.5 inch
④	ASM: 低压交流伺服	ASM: Low Voltage Servo
⑤	250: 功率 (100-100W, 200-200W, 250-250W)	250: Power (100-100W, 200-200W, 250-250W)
⑥	单/双轴: 是单轴/双轴	Single/Double Shaft
⑦	<input type="text"/> <input type="text"/> <input type="text"/> : 特殊定制型号	<input type="text"/> <input type="text"/> <input type="text"/> : Special Customized Model

► 轮毂伺服电机选型 Hub Servo Motor Selection

型号 Model	ZLLG40ASM100(单/双轴) Single shaft / Double shaft		ZLLG40ASM100 V2.0 (单轴)Single shaft	ZLLG45ASM200 (双轴花纹)Double shaft
实拍图 Photo				
标称 Nominal Size	4寸 4 inch		4寸 4 inch	4.5寸 4 inch
外径尺寸 (mm) Wheel Diameter (mm)	107±2		107±2	128±2
出轴 Shaft Type	单出轴 Single shaft	双出轴 Double shaft	单出轴 Single shaft	双出轴 Double shaft
轮胎材质 Tire material	橡胶 Rubber		橡胶 Rubber	橡胶花纹 Pattern Rubber
轮胎硬度 (邵氏A) Tire hardness (shore A)	70±5		70±5	65±5
极对数 (对) Pole No (Pairs)	10		10	10
额定电压 (VDC) Rated Voltage (VDC)	24		24	24
额定扭矩 (N.m) Rated Torque (N.m)	2		2	5
峰值扭矩 (N.m) Peak Torque (N.m)	6		6	15
额定电流 (A) Rated Current (A)	5		5	8.5
峰值电流 (A) Peak Current (A)	15		15	25
额定转速 (RPM) Rated Speed (RPM)	450		450	300
最大转速 (RPM) Peak Speed (RPM)	550		550	370
最大负载 (KG/2sets) Maximum Load (KG/2sets)	50		50	150
编码器 Encoder	1024线 1024 Lines		1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024线 1024 Lines
线电阻 (Ω) Wire Resistance(Ω)	0.58±10%		0.58±10%	0.44±10%
线电感 (mH) Wire Inductance (mH)	0.73±10%		0.73±10%	0.915±10%
反电动势常数 (V/RPM) Back EMF Constant (V/RPM)	0.055±10%		0.055±10%	0.085±10%
重量 (KG) Weight (KG)	1.5±5%		1.6±5%	3.0±5%
防护等级 Protection Level	IP54		IP54	IP65
绝缘电压 (V) Insulation Voltage (V)	DC500V, >20MΩ		DC500V, >20MΩ	DC500V, >20MΩ
绝缘强度 Dielectric Strength	600V/50HZ(1min), ≤5mA		600V/50HZ(1min), ≤5mA	600V/50HZ(1min), ≤5mA
环境温度 (°C) Ambient Temperature (°C)	-20~+40		-20~+40	-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80		20~80	20~80
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D、 ZLAC8020D		ZLAC8015、ZLAC8015D、 ZLAC8020D	ZLAC8015、ZLAC8015D、 ZLAC8020D





支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG50ASM200(单/双轴) Single shaft / Double shaft		ZLLG50ASM200 V2.0 (单轴)Single shaft	ZLLG55ASM150 V2.0 (单轴)Single shaft
实拍图 Photo				
标称 Nominal Size	5寸 5 inch		5寸 5 inch	5.5寸 5.5 inch
外径尺寸 (mm) Wheel Diameter (mm)	130±2		131±2	139±2
出轴 Shaft Type	单出轴 Single shaft	双出轴 Double shaft	单出轴 Single shaft	单出轴 Single shaft
轮胎材质 Tire material	橡胶 Rubber		橡胶 Rubber	橡胶 Rubber
轮胎硬度 (邵氏A) Tire hardness (shore A)	65±5		65±5	65±5
极对数 (对) Pole No (Pairs)	10		10	10
额定电压 (VDC) Rated Voltage (VDC)	24		24	24
额定扭矩 (N.m) Rated Torque (N.m)	3		3	3
峰值扭矩 (N.m) Peak Torque (N.m)	9		9	9
额定电流 (A) Rated Current (A)	5		5	5
峰值电流 (A) Peak Current (A)	15		15	15
额定转速 (RPM) Rated Speed (RPM)	270		270	270
最大转速 (RPM) Peak Speed (RPM)	350		350	350
最大负载 (KG/2sets) Maximum Load (KG/2sets)	60		60	60
编码器 Encoder	1024线 1024 Lines		1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value
线电阻 (Ω) Wire Resistance(Ω)	0.84±10%		0.84±10%	0.84±10%
线电感 (mH) Wire Inductance (mH)	1.76±10%		1.76±10%	1.76±10%
反电动势常数 (V/RPM) Back EMF Constant (V/RPM)	0.081±10%		0.081±10%	0.081±10%
重量 (KG) Weight (KG)	2.0±5%		1.95±5%	2.0±5%
防护等级 Protection Level	IP54		IP54	IP54
绝缘电压 (V) Insulation Voltage (V)	DC500V, >20MΩ		DC500V, >20MΩ	DC500V, >20MΩ
绝缘强度 Dielectric Strength	600V/50HZ(1min), ≤5mA		600V/50HZ(1min), ≤5mA	600V/50HZ(1min), ≤5mA
环境温度 (°C) Ambient Temperature (°C)	-20~+40		-20~+40	-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80		20~80	20~80
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D、 ZLAC8020D		ZLAC8015、ZLAC8015D、 ZLAC8020D	ZLAC8015、ZLAC8015D、 ZLAC8020D





支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG55ASM150(单/双轴) Single shaft / Double shaft		ZLLG55ASM500(单/双轴) Single shaft / Double shaft	
实拍图 Photo				
标称 Nominal Size	5.5寸 5.5 inch		5.5寸 5.5 inch	
外径尺寸 (mm) Wheel Diameter (mm)	139±2		140±2	
出轴 Shaft Type	单出轴 Single shaft	双出轴 Double shaft	单出轴 Single shaft	双出轴 Double shaft
轮胎材质 Tire material	橡胶 Rubber		聚氨酯 PU	
轮胎硬度 (邵氏A) Tire hardness (shore A)	65±5		75±5	
极对数 (对) Pole No (Pairs)	10		15	
额定电压 (VDC) Rated Voltage (VDC)	24		24	
额定扭矩 (N.m) Rated Torque (N.m)	3		10	
峰值扭矩 (N.m) Peak Torque (N.m)	9		30	
额定电流 (A) Rated Current (A)	5		7	
峰值电流 (A) Peak Current (A)	15		21	
额定转速 (RPM) Rated Speed (RPM)	270		260	
最大转速 (RPM) Peak Speed (RPM)	350		360	
最大负载 (KG/2sets) Maximum Load (KG/2sets)	60		200	
编码器 Encoder	1024线 1024 Lines		1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	
线电阻 (Ω) Wire Resistance(Ω)	0.84±10%		0.75±10%	
线电感 (mH) Wire Inductance (mH)	1.76±10%		1.91±10%	
反电动势常数 (V/RPM) Back EMF Constant (V/RPM)	0.081±10%		0.168±10%	
重量 (KG) Weight (KG)	2.05±5%		4.85±5%	
防护等级 Protection Level	IP54		IP65	
绝缘电压 (V) Insulation Voltage (V)	DC500V, >20MΩ		DC500V, >20MΩ	
绝缘强度 Dielectric Strength	600V/50HZ(1min), ≤5mA		600V/50HZ(1min), ≤5mA	
环境温度 (°C) Ambient Temperature (°C)	-20~+40		-20~+40	
环境湿度 (%) Ambient Humidity (%)	20~80		20~80	
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D、 ZLAC8020D		ZLAC8015、ZLAC8015D、 ZLAC8020D	





支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG55ASM150 V7.0 (单轴)Single shaft	ZLLG65ASM250(单/双轴) Single shaft / Double shaft		ZLLG65ASM250-4096 V2.0 (单轴)Single shaft
实拍图 Photo				
标称 Nominal Size	5.5寸 5.5 inch	6.5寸 6.5 inch		6.5寸 6.5 inch
外径尺寸 (mm) Wheel Diameter (mm)	140±2	170±2		173±2
出轴 Shaft Type	单出轴 Single shaft	单出轴 Single shaft	双出轴 Double shaft	单出轴 Single shaft
轮胎材质 Tire material	橡胶 Rubber	橡胶 Rubber		橡胶/发泡聚氨酯 Rubber/Foamed PU
轮胎硬度 (邵氏A) Tire hardness (shore A)	65±5	65±5		65±5/75±5
极对数 (对) Pole No (Pairs)	19	15		15
额定电压 (VDC) Rated Voltage (VDC)	24	24		24
额定扭矩 (N.m) Rated Torque (N.m)	3	4		6
峰值扭矩 (N.m) Peak Torque (N.m)	9	12		18
额定电流 (A) Rated Current (A)	3.3	10		6
峰值电流 (A) Peak Current (A)	12	30		18
额定转速 (RPM) Rated Speed (RPM)	160	500		160
最大转速 (RPM) Peak Speed (RPM)	254	560		205
最大负载 (KG/2sets) Maximum Load (KG/2sets)	60	100		150
编码器 Encoder	绝对值 Absolute value	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024线 1024 Lines	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value
线电阻 (Ω) Wire Resistance(Ω)	1.65±10%	0.15±10%		0.64±10%
线电感 (mH) Wire Inductance (mH)	3.11±10%	0.27±10%		1.535±10%
反电动势常数 (V/RPM) Back EMF Constant (V/RPM)	0.15±10%	0.057±10%		0.133±10%
重量 (KG) Weight (KG)	2.2±5%	2.95±5%		3.75±5%
防护等级 Protection Level	IP54	IP54		IP65
绝缘电压 (V) Insulation Voltage (V)	DC500V, >20MΩ	DC500V, >20MΩ		DC500V, >20MΩ
绝缘强度 Dielectric Strength	600V/50HZ(1min), ≤5mA	600V/50HZ(1min), ≤5mA		600V/50HZ(1min), ≤5mA
环境温度 (°C) Ambient Temperature (°C)	-20~+40	-20~+40		-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80	20~80		20~80
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D、 ZLAC8020D	ZLAC8015、ZLAC8015D、 ZLAC8020D		ZLAC8015、ZLAC8015D、 ZLAC8020D





支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG65ASM250-L (单/双轴) Single shaft / Double shaft		ZLLG65ASM500(单/双轴) Single shaft / Double shaft	
实拍图 Photo				
标称 Nominal Size	6.5寸 6.5 inch		6.5寸 6.5 inch	
外径尺寸 (mm) Wheel Diameter (mm)	170±2		165±2	
出轴 Shaft Type	单出轴 Single shaft	双出轴 Double shaft	单出轴 Single shaft	双出轴 Double shaft
轮胎材质 Tire material	橡胶 Rubber		聚氨酯 PU	
轮胎硬度 (邵氏A) Tire hardness (shore A)	65±5		70±5	
极对数 (对) Pole No (Pairs)	15		15	
额定电压 (VDC) Rated Voltage (VDC)	24		48	
额定扭矩 (N.m) Rated Torque (N.m)	5.5		10	
峰值扭矩 (N.m) Peak Torque (N.m)	16		30	
额定电流 (A) Rated Current (A)	6.5		7	
峰值电流 (A) Peak Current (A)	19		21	
额定转速 (RPM) Rated Speed (RPM)	200		260	
最大转速 (RPM) Peak Speed (RPM)	260		360	
最大负载 (KG/2sets) Maximum Load (KG/2sets)	120		200	
编码器 Encoder	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024线 1024 Lines	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024线 1024 Lines
线电阻 (Ω) Wire Resistance(Ω)	0.59±10%		0.75±10%	
线电感 (mH) Wire Inductance (mH)	1.295±10%		1.91±10%	
反电动势常数 (V/RPM) Back EMF Constant (V/RPM)	0.109±10%		0.168±10%	
重量 (KG) Weight (KG)	2.95±5%		4.85±5%	
防护等级 Protection Level	IP65		IP65	
绝缘电压 (V) Insulation Voltage (V)	DC500V, >20MΩ		DC500V, >20MΩ	
绝缘强度 Dielectric Strength	600V/50HZ(1min), ≤5mA		600V/50HZ(1min), ≤5mA	
环境温度 (°C) Ambient Temperature (°C)	-20~+40		-20~+40	
环境湿度 (%) Ambient Humidity (%)	20~80		20~80	
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D、 ZLAC8020D		ZLAC8015、ZLAC8020D、 ZLAC8030L、ZLAC8030D	

支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG65ASM250 V7.0 (单轴)Single shaft	ZLLG80ASM250(单/双轴) Single shaft / Double shaft		ZLLG80ASM250-4096 V2.0 (单轴)Single shaft
实拍图 Photo				
标称 Nominal Size	6.5寸 6.5 inch	8寸 8 inch		8寸 8 inch
外径尺寸 (mm) Wheel Diameter (mm)	171±2	200±2		206±2
出轴 Shaft Type	单出轴 Single shaft	单出轴 Single shaft	双出轴 Double shaft	单出轴 Single shaft
轮胎材质 Tire material	丁苯橡胶 SBR	橡胶 Rubber		蜂窝孔橡胶/发泡聚氨酯 Rubber/Foamed PU
轮胎硬度 (邵氏A) Tire hardness (shore A)	65±5	65±5		65±5/75±5
极对数 (对) Pole No (Pairs)	19	15		15
额定电压 (VDC) Rated Voltage (VDC)	24	24		24
额定扭矩 (N.m) Rated Torque (N.m)	6	4		6
峰值扭矩 (N.m) Peak Torque (N.m)	18	12		18
额定电流 (A) Rated Current (A)	6	10		6
峰值电流 (A) Peak Current (A)	18	30		18
额定转速 (RPM) Rated Speed (RPM)	140	500		160
最大转速 (RPM) Peak Speed (RPM)	200	560		205
最大负载 (KG/2sets) Maximum Load (KG/2sets)	150	100		150
编码器 Encoder	绝对值 Absolute value	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024线 1024 Lines	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value
线电阻 (Ω) Wire Resistance(Ω)	0.8±10%	0.15±10%		0.64±10%
线电感 (mH) Wire Inductance (mH)	1.21±10%	0.27±10%		1.535±10%
反电动势常数 (V/RPM) Back EMF Constant (V/RPM)	0.171±10%	0.57±10%		0.133±10%
重量 (KG) Weight (KG)	3.3±5%	3.5±5%		3.75±5%
防护等级 Protection Level	IP54	IP54		IP65
绝缘电压 (V) Insulation Voltage (V)	DC500V, >20MΩ	DC500V, >20MΩ		DC500V, >20MΩ
绝缘强度 Dielectric Strength	600V/50HZ(1min), ≤5mA	600V/50HZ(1min), ≤5mA		600V/50HZ(1min), ≤5mA
环境温度 (°C) Ambient Temperature (°C)	-20~+40	-20~+40		-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80	20~80		20~80
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D、 ZLAC8020D	ZLAC8015、ZLAC8015D、 ZLAC8020D		ZLAC8015、ZLAC8015D、 ZLAC8020D

支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG80ASM250-L(单/双轴) Single shaft / Double shaft		ZLLG80ASM800(单/双轴) Single shaft / Double shaft	
实拍图 Photo				
标称 Nominal Size	8寸 8 inch		8寸 8 inch	
外径尺寸 (mm) Wheel Diameter (mm)	200±2		200±2	
出轴 Shaft Type	单出轴 Single shaft	双出轴 Double shaft	单出轴 Single shaft	双出轴 Double shaft
轮胎材质 Tire material	橡胶 Rubber		聚氨酯 PU	
轮胎硬度 (邵氏A) Tire hardness (shore A)	65±5		70±5	
极对数 (对) Pole No (Pairs)	15		20	
额定电压 (VDC) Rated Voltage (VDC)	24		48	
额定扭矩 (N.m) Rated Torque (N.m)	5.5		20	
峰值扭矩 (N.m) Peak Torque (N.m)	16		60	
额定电流 (A) Rated Current (A)	6.5		8.5	
峰值电流 (A) Peak Current (A)	19		25	
额定转速 (RPM) Rated Speed (RPM)	200		150	
最大转速 (RPM) Peak Speed (RPM)	260		180	
最大负载 (KG/2sets) Maximum Load (KG/2sets)	120		300	
编码器 Encoder	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024线 1024 Lines	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024线 1024 Lines
线电阻 (Ω) Wire Resistance(Ω)	0.75±10%		0.7±10%	
线电感 (mH) Wire Inductance (mH)	1.285±10%		1.885±10%	
反电动势常数 (V/RPM) Back EMF Constant (V/RPM)	0.107±10%		0.262±10%	
重量 (KG) Weight (KG)	3.55±5%		8.5±5%	
防护等级 Protection Level	IP65		IP65	
绝缘电压 (V) Insulation Voltage (V)	DC500V, >20MΩ		DC500V, >20MΩ	
绝缘强度 Dielectric Strength	600V/50HZ(1min), ≤5mA		600V/50HZ(1min), ≤5mA	
环境温度 (°C) Ambient Temperature (°C)	-20~+40		-20~+40	
环境湿度 (%) Ambient Humidity (%)	20~80		20~80	
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D、 ZLAC8020D		ZLAC8030L、ZLAC8030D	

支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG10ASM800-R(单/双轴) Single shaft / Double shaft		ZLLG10ASM800(单/双轴) Single shaft / Double shaft	
实拍图 Photo				
标称 Nominal Size	9.5寸 9.5 inch		10寸 10 inch	
外径尺寸 (mm) Wheel Diameter (mm)	239±2		266±2	
出轴 Shaft Type	单出轴 Single shaft	双出轴 Double shaft	单出轴 Single shaft	双出轴 Double shaft
轮胎材质 Tire material	橡胶 Rubber		橡胶 Rubber	
轮胎硬度 (邵氏A) Tire hardness (shore A)	65±5		65±5	
极对数 (对) Pole No (Pairs)	20		20	
额定电压 (VDC) Rated Voltage (VDC)	48		48	
额定扭矩 (N.m) Rated Torque (N.m)	20		20	
峰值扭矩 (N.m) Peak Torque (N.m)	60		60	
额定电流 (A) Rated Current (A)	8.5		8.5	
峰值电流 (A) Peak Current (A)	25		25	
额定转速 (RPM) Rated Speed (RPM)	150		150	
最大转速 (RPM) Peak Speed (RPM)	180		180	
最大负载 (KG/2sets) Maximum Load (KG/2sets)	300		300	
编码器 Encoder	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024线 1024 Lines	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024线 1024 Lines
线电阻 (Ω) Wire Resistance(Ω)	0.7±10%		0.7±10%	
线电感 (mH) Wire Inductance (mH)	1.885±10%		1.885±10%	
反电动势常数 (V/RPM) Back EMF Constant (V/RPM)	0.262±10%		0.262±10%	
重量 (KG) Weight (KG)	9.0±5%		9.5±5%	
防护等级 Protection Level	IP65		IP65	
绝缘电压 (V) Insulation Voltage (V)	DC500V, >20MΩ		DC500V, >20MΩ	
绝缘强度 Dielectric Strength	600V/50HZ(1min), ≤5mA		600V/50HZ(1min), ≤5mA	
环境温度 (°C) Ambient Temperature (°C)	-20~+40		-20~+40	
环境湿度 (%) Ambient Humidity (%)	20~80		20~80	
适配驱动器 Matching Driver	ZLAC8030L, ZLAC8030D		ZLAC8030L, ZLAC8030D	

支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG13ASM800 (单轴)Single shaft	ZLLG14ASM800 (单轴)Single shaft	ZLLG15ASM800 (单轴)Single shaft	ZLLG16ASM800 (单轴)Single shaft
实拍图 Photo				
标称 Nominal Size	13寸 13 inch	14寸 14 inch	15寸 15 inch	16寸 16 inch
外径尺寸 (mm) Wheel Diameter (mm)	337.4±2	358±2	388±2	398±2
出轴 Shaft Type	单出轴 Single shaft	单出轴 Single shaft	单出轴 Single shaft	单出轴 Single shaft
轮胎材质 Tire material	橡胶 Rubber	橡胶 Rubber	橡胶 Rubber	橡胶 Rubber
轮胎硬度 (邵氏A) Tire hardness (shore A)	70±5	70±5	70±5	70±5
极对数 (对) Pole No (Pairs)	20	20	20	20
额定电压 (VDC) Rated Voltage (VDC)	48	48	48	48
额定扭矩 (N.m) Rated Torque (N.m)	17	17	17	17
峰值扭矩 (N.m) Peak Torque (N.m)	51	51	51	51
额定电流 (A) Rated Current (A)	7.5	7.5	7.5	7.5
峰值电流 (A) Peak Current (A)	22	22	22	22
额定转速 (RPM) Rated Speed (RPM)	150	150	150	150
最大转速 (RPM) Peak Speed (RPM)	180	180	180	180
最大负载 (KG/2sets) Maximum Load (KG/2sets)	300	300	300	300
编码器 Encoder	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value	1024/2500/4096线、绝对值 1024/2500/4096Lines, absolute value
线电阻 (Ω) Wire Resistance(Ω)	0.7±10%	0.7±10%	0.7±10%	0.7±10%
线电感 (mH) Wire Inductance (mH)	1.885±10%	1.885±10%	1.885±10%	1.885±10%
反电动势常数 (V/RPM) Back EMF Constant (V/RPM)	0.262±10%	0.262±10%	0.262±10%	0.262±10%
重量 (KG) Weight (KG)	9.5±5%	9.55±5%	9.7±5%	10.15±5%
防护等级 Protection Level	IP65	IP65	IP65	IP65
绝缘电压 (V) Insulation Voltage (V)	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ
绝缘强度 Dielectric Strength	600V/50HZ(1min), ≤5mA	600V/50HZ(1min), ≤5mA	600V/50HZ(1min), ≤5mA	600V/50HZ(1min), ≤5mA
环境温度 (°C) Ambient Temperature (°C)	-20~+40	-20~+40	-20~+40	-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80	20~80	20~80	20~80
适配驱动器 Matching Driver	ZLAC8030L	ZLAC8030L	ZLAC8030L	ZLAC8030L