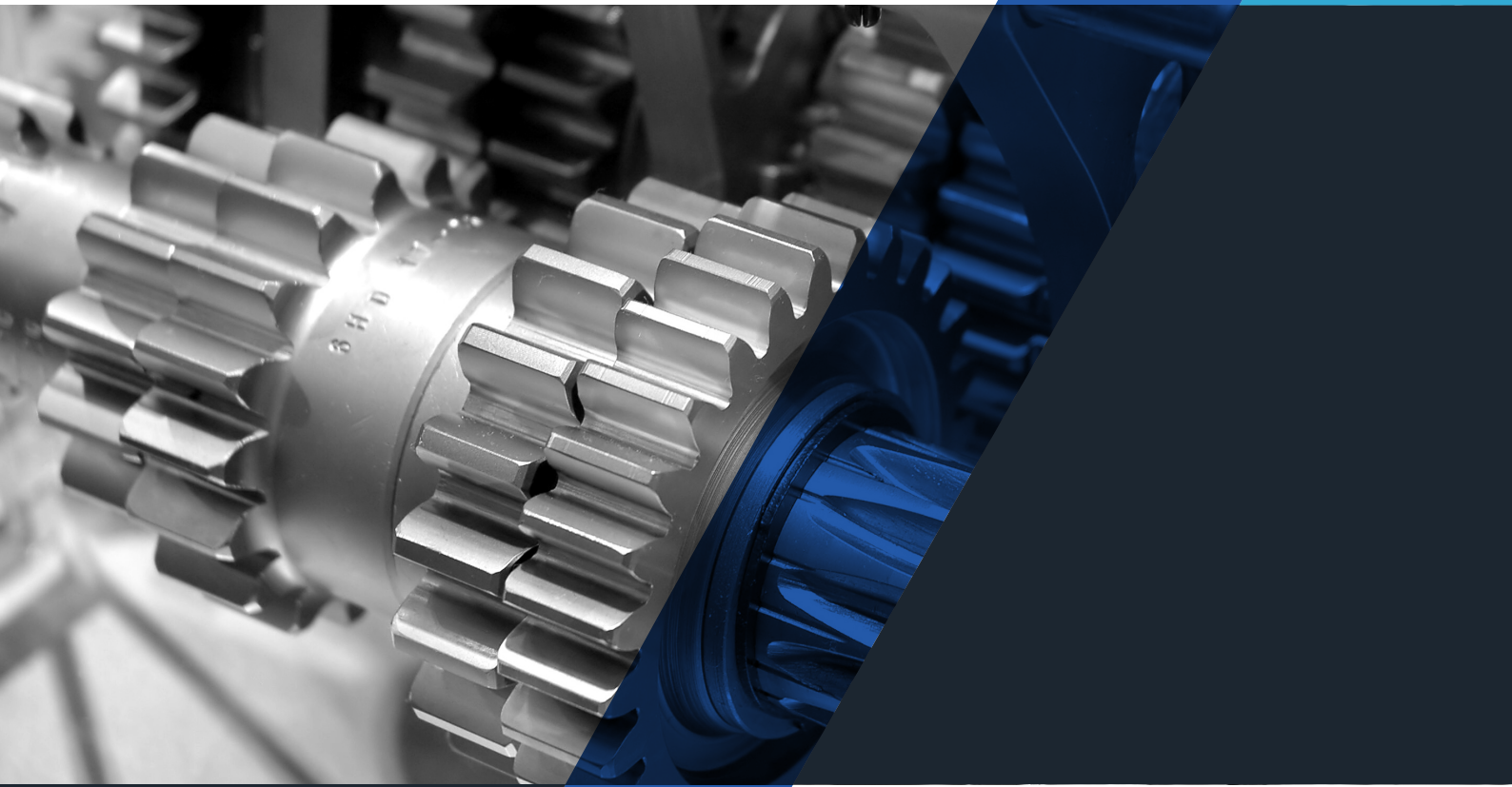




BGM BLDC MOTOR CATALOG



BLDC GEAR MOTOR

BGM Motor, with speed adjustable,
simplify motor speed control.



Top

Direct Factory

100+

Products series

15Year

Focus on BLDC and torque motor

10000+

Customers



Global Distribution



**截止目前，BGM产品销往全球四十多个国家，
近千家国际客户选择BGM无刷调速产品**

Up to now, BGM products have been sold to more than 40 countries worldwide, and nearly a thousand international customers have chosen BGM brushless speed control products.

BGM的无刷调速电机及力矩电机在全球行业中处于领先地位，公司产品全部通过了ISO9001认证。我们坚持自主研发，潜心致力于技术提升，为客户提供最适合的传动方案。

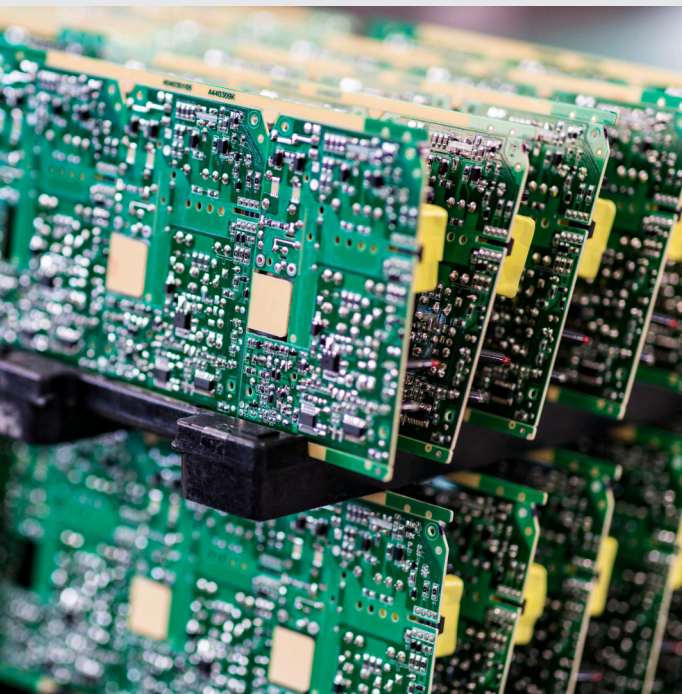
BGM's brushless speed control motors are in a leading position in the global industry, and all of the company's products have passed ISO9001 certification. We adhere to independent research and development, dedicated to technological improvement, and provide customers with the most suitable transmission solutions.





BGM调速电机，让电机调速控制更简单

BGM Motor, with speed adjustable, simplify motor speed control.



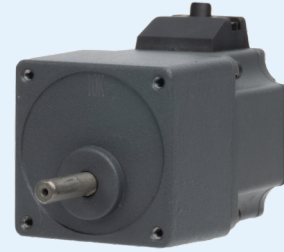
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微型减速电机 PARALLEL SHAFT BLDC GEARED MOTOR

30~60W
60mm

- Compact Size and Space Saving
- Excellent Speed & Torque Performance
- High-Efficiency, Energy-Saving
- Wide Speed Range
- Easy Wiring, Easy Set Up and Simple to Use Controls



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Gear Ratio	Net Weight	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	
2GNXK-60BLK0330-24-21AC	DC24	30	1.3	3000	0.1	40	0.5	ELD120A/BLR60A
2GNXK-60BLK0630-24-21AC	DC24	60	2.5	3000	0.2	20	0.5	ELD120A/BLR60A
2GNXK-60BLK0330-220-21AC	AC220	30	0.1	3000	0.1	40	0.5	EH200A/EHD200A
2GNXK-60BLK0630-220-21AC	AC220	60	0.2	3000	0.2	20	0.5	EH200A/EHD200A

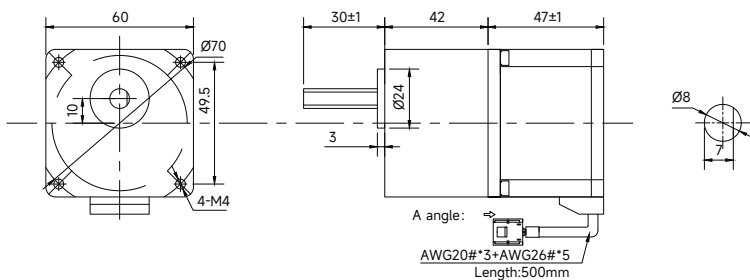
- Theque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 1.0kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.
- X is gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3	5*	7.5	10*	12.5*	15*	18	20*	25*	30*	36	40
Max Speed RPM	1000	600	400	300	240	200	167	150	120	100	83	75
Torque N.m	30W	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.60	2.0	2.4	3.0
	60W	0.5	0.8	1.2	1.6	2.0	2.4	2.8	3.0	3.0	3.0	3.0

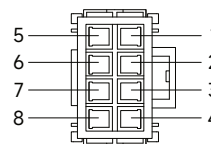
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- * Model is in stock. Others are special speed ratio models, could be customized.

● Dimention(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



微型减速电机 PARALLEL SHAFT BLDC GEARED MOTOR

60~120W 80mm

- Compact Size and Space Saving
- Excellent Speed & Torque Performance
- High-Efficiency, Energy-Saving
- Wide Speed Range
- Easy Wiring, Easy Set Up and Simple to Use Controls



● Motor Model/Parameters

Motor Model	Rated voltage	Power	Rated Current	Rated Speed	Rated Torque	Gear Ratio	Net Weight	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	
4GNXK-80BLK0630-24-21AC	DC24	60	2.5	3000	0.2	60	0.75	ELD120A/BLR120A
4GNXK-80BLK0930-24-21AC	DC24	90	3.8	3000	0.3	40	0.75	ELD120A/BLR120A
4GNXK-80BLK1230-24-21AC	DC24	120	5	3000	0.4	25	0.75	ELD120A/BLR120A
4GNXK-80BLK0630-220-21AC	AC220	60	0.3	3000	0.2	60	0.75	EH200A/EHD200A
4GNXK-80BLK0930-220-21AC	AC220	90	0.4	3000	0.3	40	0.75	EH200A/EHD200A
4GNXK-80BLK1230-220-21AC	AC220	120	0.5	3000	0.4	25	0.75	EH200A/EHD200A

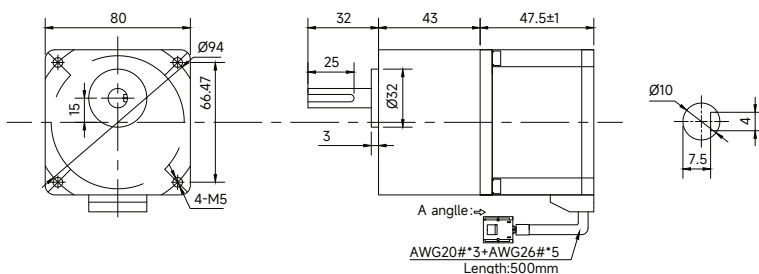
- Theque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 1.5kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio. X is gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3*	5*	7.5	10*	12.5	15*	18	20*	25*	30*	36	40*	50*	60
Max Speed RPM	1000	600	400	300	240	200	167	150	120	100	83	75	60	50
Torque N.m	60W	0.5	0.8	1.2	1.6	2.0	2.4	2.9	3.2	4.0	4.8	5.8	6.4	8.0
	90W	0.7	1.2	1.8	2.5	3.0	3.6	4.2	4.8	6.0	6.8	7.9	8.0	8.0
	120W	1.0	1.6	2.4	3.2	4.0	4.4	5.8	6.4	8.0	8.0	8.0	8.0	8.0

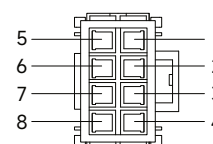
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- * Model is in stock. Others are special speed ratio models, could be customized.

● Dimention(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



微型减速电机 PARALLEL SHAFT BLDC GEARED MOTOR

90~200W 90mm

- Compact Size and Space Saving
- Excellent Speed & Torque Performance
- High-Efficiency, Energy-Saving
- Wide Speed Range
- Easy Wiring, Easy Set Up and Simple to Use Controls



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Ratio	Weight	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	
5GUXKB-90BLK0930-24-21AC	DC24	90	3.8	3000	0.3	100	1.3	ELD120A/BL120A
5GUXKB-90BLK1230-24-21AC	DC24	120	5.0	3000	0.4	75	1.3	ELD120A/BL120A
5GUXKB-90BLK2030-24-21AC	DC24	200	8.3	3000	0.6	50	1.3	BLR400A
5GUXKB-90BLK0930-220-21AC	AC220	90	0.4	3000	0.3	100	1.3	EH200A/EHD200A
5GUXKB-90BLK1230-220-21AC	AC220	120	0.5	3000	0.4	75	1.3	EH200A/EHD200A
5GUXKB-90BLK2030-220-21AC	AC220	200	0.9	3000	0.6	50	1.3	EH200A/EHD200A

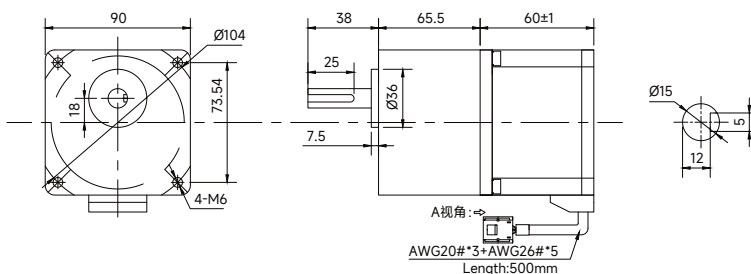
- The torque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 2.6kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3*	5*	7.5	9	10*	12.5	15*	18	20*	25	30*	36	40	50*	60	75	90	100
Max Speed RPM	1000	600	400	333	300	240	200	167	150	120	100	83	75	60	50	40	33	20
Torque N.m	90W	0.7	1.2	1.8	2.2	2.4	3.0	3.6	4.3	4.8	6.0	7.2	8.6	9.6	12.0	14.4	18.0	20.0
	120W	1.0	1.6	2.4	2.9	3.2	4.0	4.8	5.8	6.4	8.0	9.6	11.5	12.8	16.0	19.2	20.0	20.0
	200W	1.4	2.4	3.6	4.4	4.8	6.0	7.2	8.6	9.6	12.0	14.4	17.2	19.2	20.0	20.0	20.0	20.0

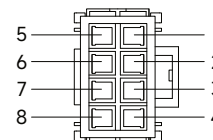
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- * Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



微型减速电机 PARALLEL SHAFT BLDC GEARED MOTOR

200~750W
104mm

- Compact Size and Space Saving
- Excellent Speed & Torque Performance
- High-Efficiency, Energy-Saving
- Wide Speed Range
- Easy Wiring, Easy Set Up and Simple to Use Controls



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Ratio	Weight	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	
6GUXKB-104BLK2030-220-21AC	AC220	200	0.9	3000	0.67	100	2.7	BHR750A/EHD750A
6GUXKB-104BLK4030-220-21AC	AC220	400	1.8	3000	1.30	75	2.7	BHR750A/EHD750A
6GUXKB-104BLK7530-220-21AC	AC220	750	3.4	3000	2.39	50	2.7	BHR750A/EHD750A

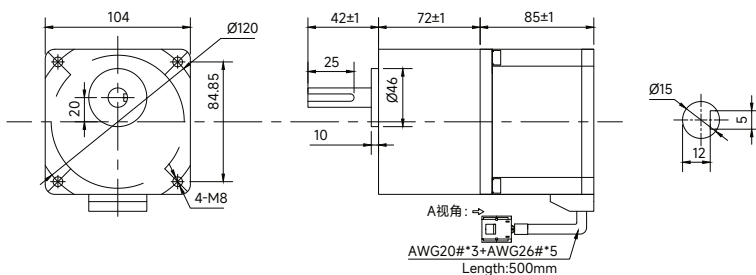
- The torque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 4.7kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.
- X is gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3*	5*	7.5	9	10*	12.5	15*	18	20*	25	30*	36	40	50*	60	75	
Max Speed RPM	1000	600	400	333	300	240	200	167	150	120	100	83	75	60	50	40	
Torque N.m	200W	1.6	2.7	4.0	4.8	5.4	6.7	8.0	9.7	10.7	13.4	16.0	19.3	21.4	26.8	32.1	40.0
	400W	3.2	5.3	8.0	9.6	10.6	13.3	16.0	19.1	21.3	26.6	31.9	38.3	40.0	40.0	40.0	40.0
	750W	5.7	9.6	14.3	17.2	19.1	23.9	28.7	34.4	38.2	40.0	40.0	40.0	40.0	40.0	40.0	40.0

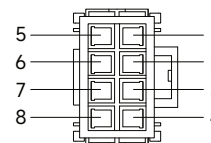
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- * Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



行星减速电机
PLANETARY BLDC GEARED MOTOR

L型减速电机
L-MODEL BLDC GEARED MOTOR

R型减速电机
R-MODEL BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

机箱调速控制器
BLDC SPEED CONTROLLER

微型减速电机
PARALLEL SHAFT BLDC GEARED MOTOR

L型减速电机
L-MODEL BLDC GEARED MOTOR

R型减速电机
R-MODEL BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

光轴调速电机
ROUND SHAFT(WO GEAR) BLDC MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

机箱调速控制器
BLDC SPEED CONTROLLER

L型减速电机 L-MODEL BLDC GEARED MOTOR

30~60W
60mm

- L-shaped output, suitable for different scenarios
- Save space and make installation easier
- Higher speed ratio, larger allowable torque
- Closed precision casting shell, beautiful and durable
- Plug-in wiring to avoid wiring hassles



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Ratio	Weight	Mated Driver
	V	W	A	RPM	Nm	Max	Kg	
2GNXLC-60BLK0330-24-21AC	DC24	30	1.3	3000	0.1	40	0.5	ELD120A/BLR60A
2GNXLC-60BLK0630-24-21AC	DC24	60	2.5	3000	0.2	20	0.5	ELD120A/BLR60A
2GNXLC-60BLK0330-220-21AC	AC220	30	0.1	3000	0.1	200	0.5	EH200A/EHD200A
2GNXLC-60BLK0630-220-21AC	AC220	60	0.5	3000	0.2	100	0.5	EH200A/EHD200A

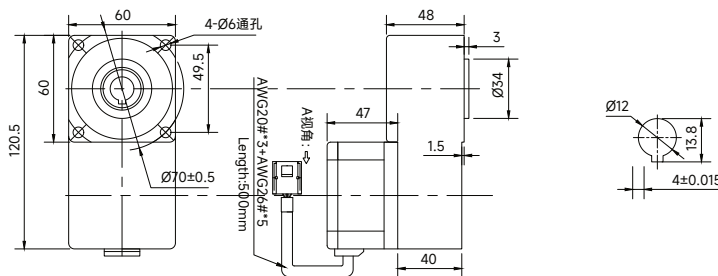
- Theque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 1.24kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	5*	10*	15	20*	25	30	50*	100	200
Max Speed RPM	600	300	200	150	240	120	60	30	15
Torque N.m	30W	0.4	0.8	1.2	1.6	2.0	4.0	8.0	16.0
	60W	0.8	1.6	2.4	3.2	4.0	8.0	16.0	17.0

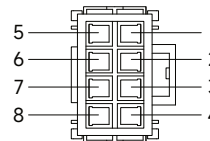
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- *Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



L型减速电机 L-MODEL BLDC GEARED MOTOR

60~120W
80mm

- L-shaped output, suitable for different scenarios
- Save space and make installation easier
- Higher speed ratio, larger allowable torque
- Closed precision casting shell, beautiful and durable
- Plug-in wiring to avoid wiring hassles



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Ratio	Weight	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	
4GNXLC-80BLK0630-24-21AC	DC24	60	2.5	3000	0.2	60	0.75	ELD120A/BL120A
4GNXLC-80BLK0930-24-21AC	DC24	90	3.8	3000	0.3	40	0.75	ELD120A/BL120A
4GNXLC-80BLK1230-24-21AC	DC24	120	5.0	3000	0.4	25	0.75	ELD120A/BL120A
4GNXLC-80BLK0630-220-21AC	AC220	60	0.3	3000	0.2	200	0.75	EH200A/EHD200A
4GNXLC-80BLK0930-220-21AC	AC220	90	0.4	3000	0.3	100	0.75	EH200A/EHD200A
4GNXLC-80BLK1230-220-21AC	AC220	120	0.5	3000	0.4	100	0.75	EH200A/EHD200A

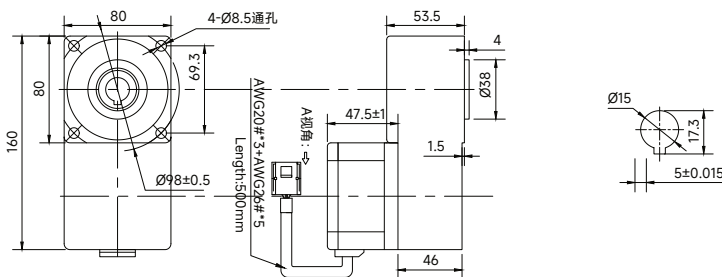
- Theque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 2.28kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	5*	10*	15	20*	25	30	50*	100	200
Max Speed RPM	600	300	200	150	240	120	60	30	15
Torque N.m	60W	0.8	1.6	2.4	3.2	4.0	4.8	16.0	32.0
	90W	1.2	2.4	3.6	4.8	6.0	6.4	24.0	32.0
	120W	1.6	3.2	4.8	6.4	7.6	8.0	32.0	34.0

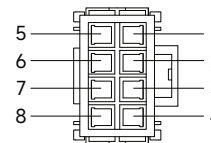
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- *Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



行星减速电机
PLANETARY BLDC GEARED MOTOR

L型减速电机
L-MODEL BLDC GEARED MOTOR

R型减速电机
R-MODEL BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

机箱调速控制器
BLDC SPEED CONTROLLER

L型减速电机 L-MODEL BLDC GEARED MOTOR

90~200W 90mm

- L-shaped output, suitable for different scenarios
- Save space and make installation easier
- Higher speed ratio, larger allowable torque
- Closed precision casting shell, beautiful and durable
- Plug-in wiring to avoid wiring hassles



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Ratio	Weight	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	
5GUXLC-90BLK0930-24-21AC	DC24	90	3.8	3000	0.3	100	1.3	ELD120A/BL120A
5GUXLC-90BLK1230-24-21AC	DC24	120	5.0	3000	0.4	75	1.3	ELD120A/BL120A
5GUXLC-90BLK9030-220-21AC	AC220	90	0.4	3000	0.3	200	1.3	EH200A/EHD200A
5GUXLC-90BLK1230-220-21AC	AC220	120	0.5	3000	0.4	200	1.3	EH200A/EHD200A
5GUXLC-90BLK2030-220-21AC	AC220	200	0.9	3000	0.63	100	1.3	EH200A/EHD200A

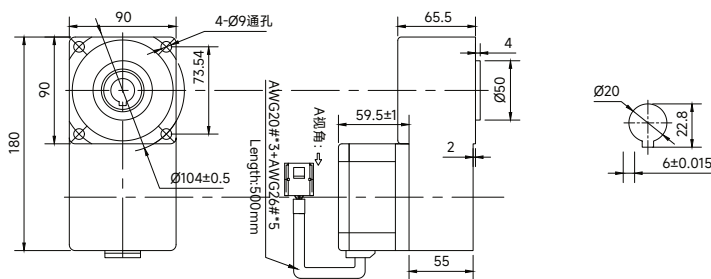
- Theque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 3.3kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	5*	10*	15	20*	25	30	50*	100	200
Max Speed RPM	600	300	200	150	240	120	60	30	15
Torque N.m	90W	1.2	2.4	3.6	4.8	6.0	6.4	12.0	24.0
	120W	1.6	3.2	4.8	6.4	8.0	9.6	16.0	32.0
	200W	2.5	5.0	7.5	10.0	12.5	15.0	25.0	50.0

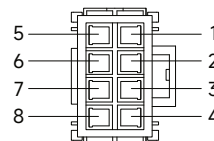
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- *Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



● Motor Phase

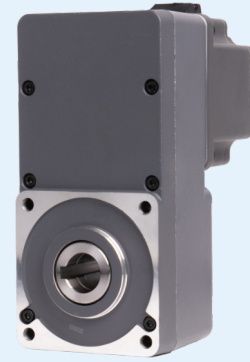
1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



L型减速电机 L-MODEL BLDC GEARED MOTOR

200~750W
104mm

- L-shaped output, suitable for different scenarios
- Save space and make installation easier
- Higher speed ratio, larger allowable torque
- Closed precision casting shell, beautiful and durable
- Plug-in wiring to avoid wiring hassles



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Ratio	Weight	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	
6GUXLC-104BLK2230-220-21AC	AC220	200	0.9	3000	0.67	200	2.0	BHR750A/EHD750A
6GUXLC-104BLK4030-220-21AC	AC220	400	1.8	3000	1.30	200	2.0	BHR750A/EHD750A
6GUXLC-104BLK7530-220-21AC	AC220	750	3.4	3000	2.39	100	2.6	BHR750A/EHD750A

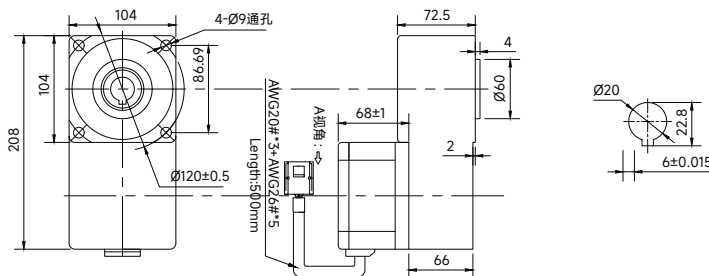
- Theque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 6.6/7.2kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	5*	10*	15	20*	25	30	50*	100	200
Max Speed RPM	600	300	200	150	240	120	60	30	15
Torque N.m	200W	2.7	5.4	8.0	10.8	13.4	16.0	26.8	53.6
	400W	5.4	10.8	16.0	21.6	26.8	32.0	53.6	107.2
	750W	9.6	19.1	28.7	38.2	47.8	57.4	95.6	110.0

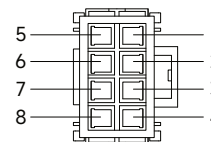
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- *Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



行星减速电机
PLANETARY BLDC GEARED MOTOR

L型减速电机
L-MODEL BLDC GEARED MOTOR

R型减速电机
R-MODEL BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

机箱调速控制器
BLDC SPEED CONTROLLER

R型减速电机 R-MODEL BLDC GEARED MOTOR

60~120W 80mm

- Right-angle output, saves installation space
- Alloy gears to increase service life
- Closed precision casting shell, beautiful and durable
- Large torque at low speed, wider speed range
- Plug-in wiring to avoid wiring hassles



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Ratio	Weight	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	
4GNXRC-80BLK0630-24-21BC	DC24	60	2.5	3000	0.2	60	0.75	ELD120A/BLR120A
4GNXRC-80BLK0930-24-21BC	DC24	90	3.8	3000	0.3	40	0.75	ELD120A/BLR120A
4GNXRC-80BLK1230-24-21BC	DC24	120	5.0	3000	0.4	25	0.75	ELD120A/BLR120A
4GNXRC-80BLK0630-220-21BC	AC220	60	0.3	3000	0.2	60	0.75	EH200A/EHD200A
4GNXRC-80BLK0930-220-21BC	AC220	90	0.4	3000	0.3	40	0.75	EH200A/EHD200A
4GNXRC-80BLK1230-220-21BC	AC220	120	0.5	3000	0.4	25	0.75	EH200A/EHD200A

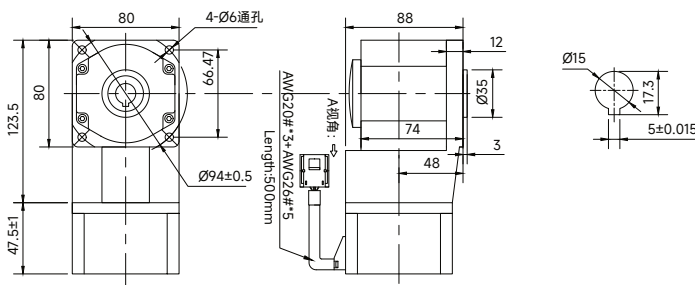
- Theque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 1.5kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.

● Gear Ratio and Torque Tab

Ratio	3*	5*	7.5*	10*	12.5	15*	18	20*	25	30	36	40	50	60
Max Speed RPM	1000	600	400	300	240	200	166	150	120	100	83	75	60	50
Torque N.m	60W	0.5	0.8	1.2	1.6	2.0	2.4	2.9	3.2	4.0	4.8	5.7	6.4	8.0
	90W	0.7	1.2	1.8	2.4	3.0	3.6	4.3	4.8	6.0	7.2	8.0	8.0	8.0
	120W	1.0	1.6	2.4	3.2	4.0	4.8	5.8	6.4	8.0	8.0	8.0	8.0	8.0

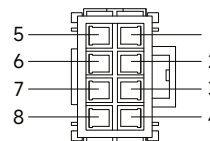
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- *Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



R型减速电机 R-MODEL BLDC GEARED MOTOR

120~200W 90mm

- Right-angle output, saves installation space
- Alloy gears to increase service life
- Closed precision casting shell, beautiful and durable
- Large torque at low speed, wider speed range
- Plug-in wiring to avoid wiring hassles



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Ratio	Weight	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	
5GUXRC-90BLK0930-24-21AC	DC24	90	3.8	3000	0.3	100	1.3	ELD120A/BLR120A
5GUXRC-90BLK1230-24-21AC	DC24	120	5.0	3000	0.4	75	1.3	ELD120A/BLR120A
5GUXRC-90BLK0930-220-21AC	AC220	90	0.4	3000	0.3	100	1.3	EH200A/EHD200A
5GUXRC-90BLK1230-220-21AC	AC220	120	0.5	3000	0.4	75	1.3	EH200A/EHD200A
5GUXRC-90BLK2030-220-21AC	AC220	200	0.9	3000	0.63	50	1.3	EH200A/EHD200A

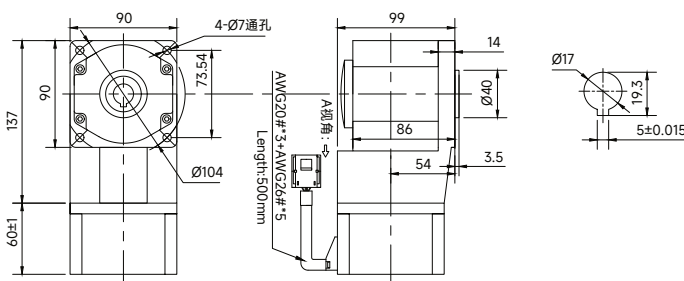
- Theque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 2.6kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3*	5*	7.5*	9	10*	12.5	15*	18	20*	25	30	36	40	50	60	75	90	100
Max Speed RPM	1000	600	400	333	300	240	200	166	150	120	100	83	75	60	50	40	33	30
Torque N.m	90W	0.7	1.2	1.8	2.4	3.0	3.6	4.3	4.8	6.0	7.2	8.6	9.6	12.0	14.1	18.0	20.0	20.0
	120W	1.0	1.6	2.4	3.2	4.0	4.8	5.8	6.4	8.0	9.6	11.5	12.8	16.0	19.2	20.0	20.0	20.0
	200W	1.5	2.5	3.8	5.0	6.3	7.5	9.0	10.0	12.5	15.0	18.0	20.0	20.0	20.0	20.0	20.0	20.0

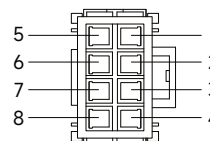
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- *Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



行星减速电机
PLANETARY SHAFT BLDC GEARED MOTOR

L型减速电机
L-MODEL BLDC GEARED MOTOR

R型减速电机
R-MODEL BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

机箱调速控制器
BLDC SPEED CONTROLLER

R型减速电机

R-MODEL BLDC GEARED MOTOR

200~750W
104mm

- Right-angle output, saves installation space
- Alloy gears to increase service life
- Closed precision casting shell, beautiful and durable
- Large torque at low speed, wider speed range
- Plug-in wiring to avoid wiring hassles



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Ratio	Weight	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	
6GUXRC-104BLK2030-220-21AC	AC220	200	0.9	3000	0.6	75	2.7	EHD200A/EHD400A
6GUXRC-104BLK4030-220-21AC	AC220	400	1.8	3000	1.3	40	2.7	BHR400A/EHD400A
6GUXRC-104BLK7530-220-21AC	AC220	750	3.4	3000	2.4	25	2.7	BHR750A/EHD750A

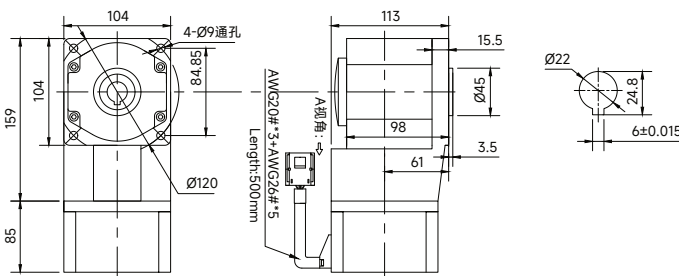
- The torque on the tab is motor torque, the weight is motor weight before adding gearbox, it would be 4.7kg after adding gearbox.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3*	5*	7.5*	9	10*	12.5	15*	18	20*	25	30	36	40	50	60	75	
Max Speed RPM	1000	600	400	333	300	240	200	166	150	120	100	83	75	60	50	40	
Torque N.m	200W	1.6	2.7	4.0	4.8	5.4	6.7	8.0	9.6	10.7	13.4	16.0	19.3	21.4	26.8	32.1	40.0
	400W	3.2	5.3	8.0	9.6	10.6	13.3	16.0	19.2	21.3	26.6	32.0	38.3	40.0	40.0	40.0	40.0
	750W	5.7	9.6	14.3	17.2	19.1	23.9	28.6	34.4	38.2	40.0	40.0	40.0	40.0	40.0	40.0	40.0

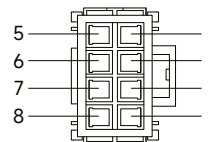
- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- *Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK



微型减速电机
PARALLEL SHAFT BLDC GEARED MOTOR

L型减速电机
L-MODEL BLDC GEARED MOTOR

R型减速电机
R-MODEL BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

光轴调速电机
ROUND SHAFT(WO GEAR) BLDC MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

机箱调速控制器
BLDC SPEED CONTROLLER

面板式调速控制器 PANEL TYPE BLDC SPEED CONTROLLER

EBD30A AC220V

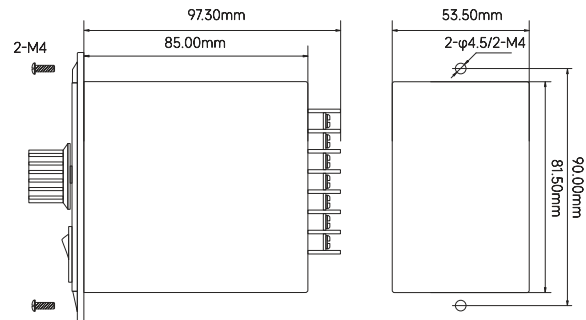
- Built-in power supply, AC input
- Support DC24 BLDC Motor
- Knob speed control, simple operation
- Easy Wiring
- High torque at low speed, long life



● Parameter list

Model	EBD120A
Mounting Type	Panel type
Power Supply	Single phase220V/110V
Matched Motor Power	≤30W
Speed Range	150~3000RPM
Operating environment	-10°C~+45°C
Signal output	Speed/Alarm
Speed adjust methods	Panel/PWM/Pulse

● Dimensions(Unit: mm)



● Direction Change

- For an external switch start-stop/reversing situation, see EH200A - Figure 3.
- When it is necessary to switch the direction through the PLC, just connect CW, CCW, COM directly to the output terminal of the PLC, and the motor can be started/stopped and the running direction can be switched without external relays. Refer to EH200A—Figure 3.

● Speed Mode

- Use the panel knob to adjust the speed (default), if you need other speed adjustment methods, please contact sales for setting.
- PWM duty cycle: The speed regulation can be controlled by outputting PWM signals through PLC and other upper computers (NPN sink type)---Figure 1.
- Pulse frequency: the speed regulation (1HZ=1RPM) can be controlled by outputting a frequency signal from a PLC (NPN drain type)---Figure 1.
- Fixed speed mode.(need to contact sales to set).

● Output Signal

- Alarm output (default output mode): When the controller doesn't work, and the alarm code would be displayed on the displayer. When the OUT output port is set as alarm output, OUT and COM will be connected at this time, OUT port is low level---Figure 2.
- Speed output: When the motor is running, it will synchronize the current motor speed and output the corresponding frequency 1RPM=1HZ (please contact sales for setting)---Figure2

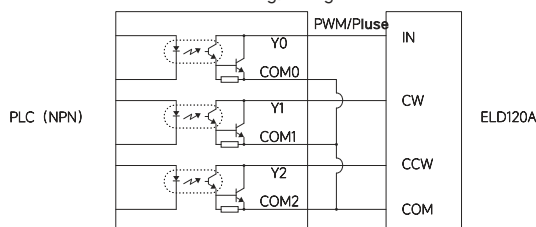


Figure1

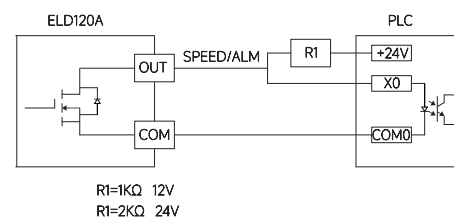


Figure2

面板式调速控制器 PANEL TYPE BLDC SPEED CONTROLLER

ELD120A DC24V

说明
EXPLAIN

- With displayer
- Knob speed control, simple operation
- Speed could be adjust by PLC directly
- Reliable performance, easy wiring
- Higher torque at low speed, long life



光轴调速电机
ROUND SHAFT(NO GEAR) BLDC MOTOR

微型减速电机
PARALLEL SHAFT BLDC GEARED MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

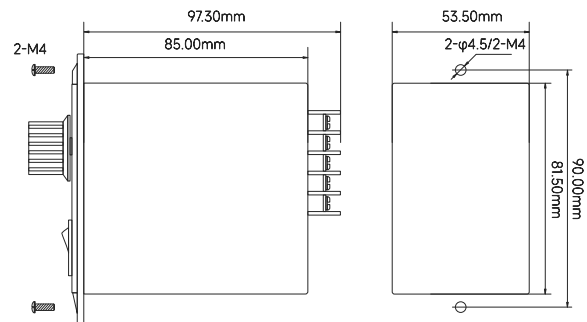
面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

机箱调速控制器
BLDC SPEED CONTROLLER

● Parameter list

Model	ELD120A
Mounting Type	Panel type
Power Supply	DC24V
Matched motor power	≤120W
Speed Range	150~3000RPM
Operating environment	-10°C~+45°C
Signal output	Speed/Alarm
Speed adjust methods	Panel knob/PWM/Pulse frequency

● Dimensions(Unit:mm)



● Direction Change

- For an external switch start-stop/reversing situation, see EH200A - Figure 3.
- When it is necessary to switch the direction through the PLC, just connect CW, CCW, COM directly to the output terminal of the PLC, and the motor can be started/stopped and the running direction can be switched without external relays. Refer to EH200A—Figure 3.

● Speed Mode

- Use the panel knob to adjust the speed (default), if you need other speed adjustment methods, please contact sales for setting.
- PWM duty cycle: The speed regulation can be controlled by outputting PWM signals through PLC and other upper computers (NPN sink type)---Figure 1.
- Pulse frequency: the speed regulation (1HZ=1RPM) can be controlled by outputting a frequency signal from a PLC (NPN drain type)---Figure 1.
- Fixed speed mode.(need to contact sales to set).

● Output Signal

- Alarm output (default output mode): When the controller doesn't work, and the alarm code would be displayed on the displayer. When the OUT output port is set as alarm output, OUT and COM will be connected at this time, OUT port is low level---Figure 2.
- Speed output: When the motor is running, it will synchronize the current motor speed and output the corresponding frequency 1RPM=1HZ (please contact sales for setting)---Figure2

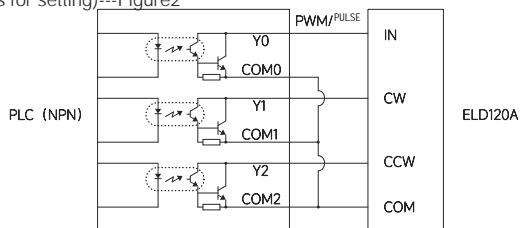


Figure1

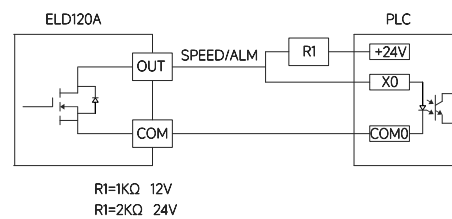


Figure2

面板式调速控制器 PANEL TYPE BLDC SPEED CONTROLLER

EH200A AC220V

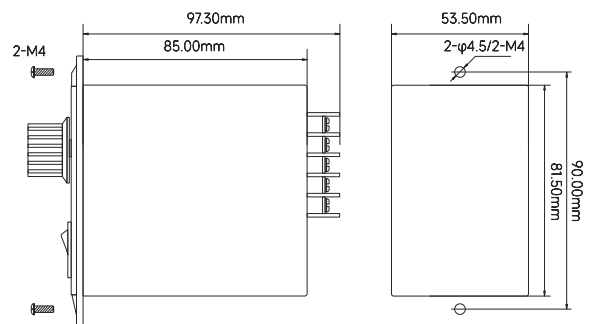
- AC power input
- Knob speed control, simple operation
- Direction/start/stop could be easily controlled by switch
- Reliable performance, easy wiring
- Higher torque at low speed, long life



● Parameter list

Model	EH200A
Mounting Type	Panel type
Power Supply	Single Phase 220V/110V
Matched Motor Power	≤200W/≤100W
Speed Range	150~3000RPM
Operating environment	-10°C~+45°C
Signal Source	Panel knob speed regulation
Control functions	Direction/start/stop could be controlled by switch or PLC(isolated)

● Dimensions(Unit:mm)



● Direction Change

- The factory default is CW. If CCW is needed, connect CCW with GND from CW.
- Short connect CW、CCW with GND, the motor would brake.
- In the case of manual direction switching, the ship type switch should be used, KCD1 250V6A is recommended) ---Figure 1
- PLC/upper computer could control the direction, CW、CCW、GND could be connected with GND. Relays are needed. ---Figure 2

● Start and Stop

- Use panel switch.
- Disconnect CW/CCW with GND (A switch CD1 250V6A is recommended)---Figure3.
- PLC/upper computer could control the motor start/stop, CW、CCW、GND could be connected with PLC by relays.---Figure 4

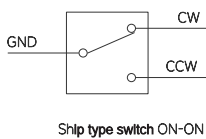
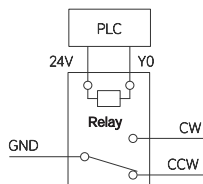


Figure1



Figure

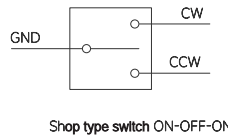


Figure3

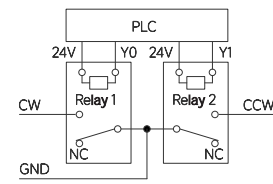


Figure4

面板式调速控制器 PANEL TYPE BLDC SPEED CONTROLLER

EHD200A AC220V

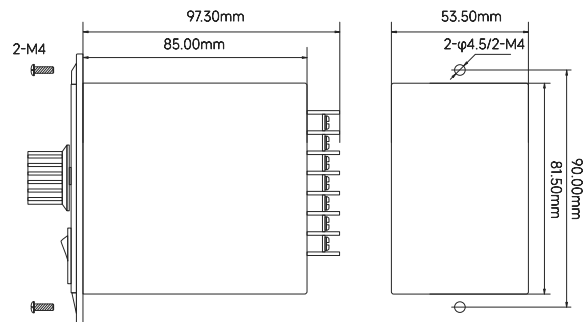
- With displayer
- Knob speed control, simple operation
- Speed could be adjust by PLC directly
- Reliable performance, easy wiring
- Higher torque at low speed, long life



● Parameter list

Model	EHD200A
Mounting Type	Panel type
Power Supply	Single phase 220V/110V
Matched motor power	≤200W/≤100W
Speed Range	150~3000RPM
Operating environment	-10 ~ +45
Signal output	Speed/Alarm
Speed adjust methods	Panel/PWM/Pulse

● Dimension(Unit:mm)



● Direction Change

- For the start-stop/reversing scene that requires an external switch, please refer to EH200A---Figure 3.
- When it is necessary to switch the direction through the PLC or other host computer, just connect CW, CCW, COM directly to the output terminal of the PLC or other host computer, and the motor can be started/stopped and the running direction can be switched without external relays. Refer to EH200A Figure 3.

● Speed Mode

- Use the panel knob to adjust the speed (default), if you need other speed adjustment methods, please contact sales for setting.
- PWM duty cycle: The speed regulation can be controlled by outputting PWM signals through PLC and other host computers (NPN sink type)---Figure 1.
- Pulse frequency: The speed regulation (1HZ=1RPM) can be controlled by outputting a frequency signal from a host computer such as PLC (NPN drain type)--Figure 1.
- Fixed speed (need to contact sales to set).

● Output signal

- Alarm output (default output mode): When the speed controller doesn't work, the motor will stop working, and the corresponding alarm code will be displayed on the display screen. When the OUT output port is set as alarm output, OUT and COM will be connected at this time, the OUT port is low level --- Figure 2
- Speed output: When the motor is running, it will synchronize with the current motor speed and output the corresponding frequency 1RPM=1HZ (need to contact sales for setting)---Figure 2.

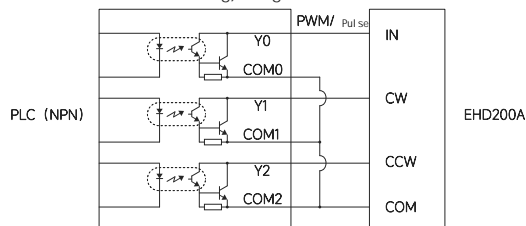


Figure1

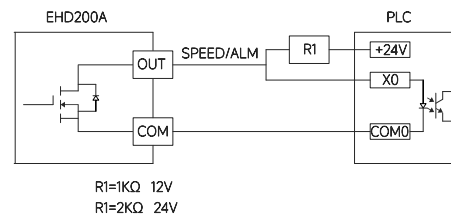


Figure2

面板式调速控制器 PANEL TYPE BLDC SPEED CONTROLLER

EHD400A AC220V

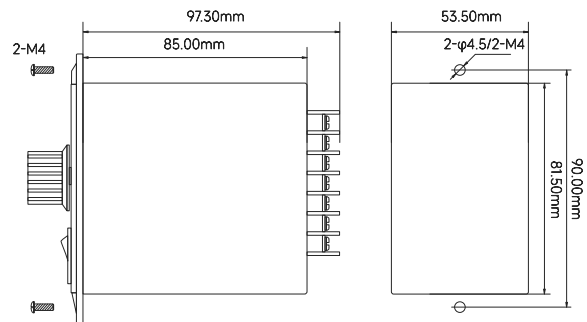
- With displayer
- Knob speed control, simple operation
- Speed could be adjust by PLC directly
- Reliable performance, easy wiring
- Higher torque at low speed, long life



● Parameter list

Model	EHD400A
Mounting Type	Panel type
Power Supply	Single phase 220V/110V
Matched motor power	≤400W/≤200W
Speed Range	150~3000RPM
Operating Environment	-10 ~ +45
Signal output	Speed/Alarm
Speed adjust methods	Panel/PWM/Pulse

● Dimension(Unit:mm)



● Direction Change

- For the start-stop/reversing scene that requires an external switch, please refer to EH200A---Figure 3.
- When it is necessary to switch the direction through the PLC or other host computer, just connect CW, CCW, COM directly to the output terminal of the PLC or other host computer, and the motor can be started/stopped and the running direction can be switched without external relays. Refer to EH200A Figure 3.

● Speed Mode

- Use the panel knob to adjust the speed (default), if you need other speed adjustment methods, please contact sales for setting.
- PWM duty cycle: The speed regulation can be controlled by outputting PWM signals through PLC and other host computers (NPN sink type)---Figure 1.
- Pulse frequency: The speed regulation (1HZ=1RPM) can be controlled by outputting a frequency signal from a host computer such as PLC (NPN drain type)--Figure 1.
- Fixed speed (need to contact sales to set).

● Output signal

- Alarm output (default output mode): When the speed controller doesn't work, the motor will stop working, and the corresponding alarm code will be displayed on the display screen. When the OUT output port is set as alarm output, OUT and COM will be connected at this time, the OUT port is low level --- Figure 2
- Speed output: When the motor is running, it will synchronize with the current motor speed and output the corresponding frequency 1RPM=1HZ (need to contact sales for setting)---Figure 2.

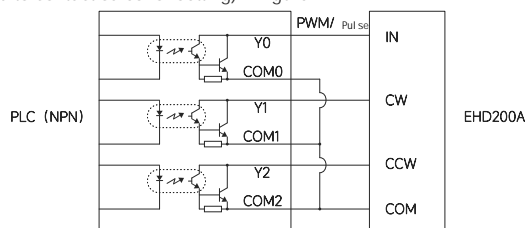


Figure1

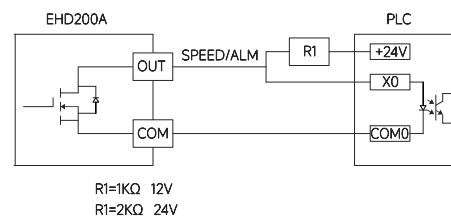


Figure2

R1=1KΩ 12V
R1=2KΩ 24V

面板式调速控制器 PANEL TYPE BLDC SPEED CONTROLLER

EHD750A AC220V

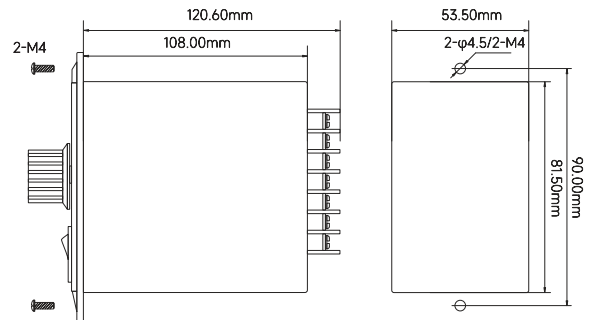
- With displayer
- Knob speed control, simple operation
- Speed could be adjust by PLC directly
- Reliable performance, easy wiring
- Higher torque at low speed, long life



● Parameter list

Model	EHD750A
Mounting Type	Panel type
Power Supply	Single phase220V/110V
Matched Motor Power	≤750W/≤325W
Speed Range	150~3000RPM
Operating environment	-10°C~+45°C
Signal output	Speed/Alarm
Speed adjust methods	Panel/PWM/Pulse

● Dimensions(Unit: mm)



● Direction Change

- For an external switch start-stop/reversing situation, see EH200A - Figure 3.
- When it is necessary to switch the direction through the PLC, just connect CW, CCW, COM directly to the output terminal of the PLC, and the motor can be started/stopped and the running direction can be switched without external relays. Refer to EH200A—Figure 3.

● Speed Mode

- Use the panel knob to adjust the speed (default), if you need other speed adjustment methods, please contact sales for setting.
- PWM duty cycle: The speed regulation can be controlled by outputting PWM signals through PLC and other upper computers (NPN sink type)---Figure 1.
- Pulse frequency: the speed regulation (1HZ=1RPM) can be controlled by outputting a frequency signal from a PLC (NPN drain type)---Figure 1.
- Fixed speed mode.(need to contact sales to set).

● Output Signal

- Alarm output (default output mode): When the controller doesn't work, and the alarm code would be displayed on the displayer. When the OUT output port is set as alarm output, OUT and COM will be connected at this time, OUT port is low level---Figure 2.
- Speed output: When the motor is running, it will synchronize the current motor speed and output the corresponding frequency 1RPM=1HZ (please contact sales for setting)---Figure2

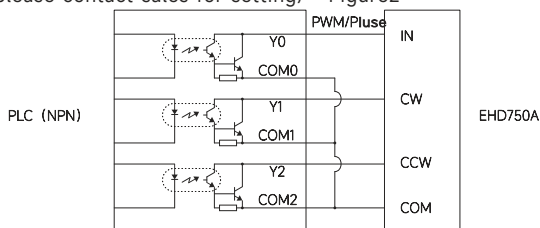


Figure1

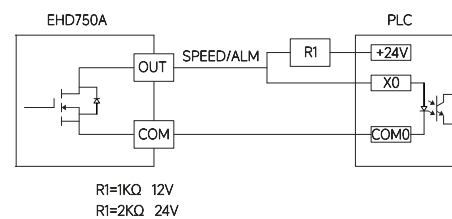


Figure2

光轴调速电机 ROUND SHAFT(NO GEAR) BLDC MOTOR

30~60W
42mm

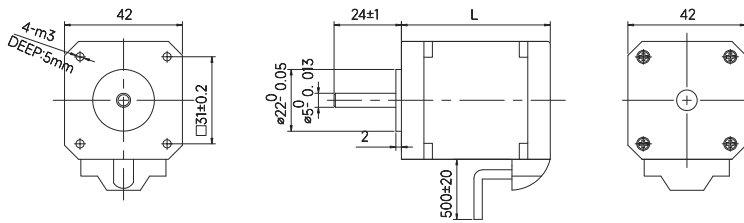
- Compact size, Large power, High Efficiency
- Wide Speed Range
- Rated speed 3000rpm, higher Speed could be customized
- Low Noise, Smooth Operation, Stable and Reliable
- Advanced Performance and Features with Easy to Use Controls



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Motor L(L)	Net Weight	Matched Driver
	V	W	A	RPM	Nm	mm	Kg	
42BLF0330-24-Y01A	DC24	30	2.5	3000	0.1	51	0.4	BLR60A
42BLF0630-24-Y01A	DC24	60	3.5	3000	0.2	61	0.5	BLR60A

● Dimensions(Unit: mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK

- Other parameters could be customized.

说明
EXPLAIN

光轴调速电机
ROUND SHAFT(NO GEAR) BLDC MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

面板型BLDC调速器
PANEL TYPE BLDC SPEED CONTROLLER

通用型BLDC调速器
BLDC SPEED CONTROLLER

光轴调速电机 ROUND SHAFT(NO GEAR) BLDC MOTOR

60~180W
57mm

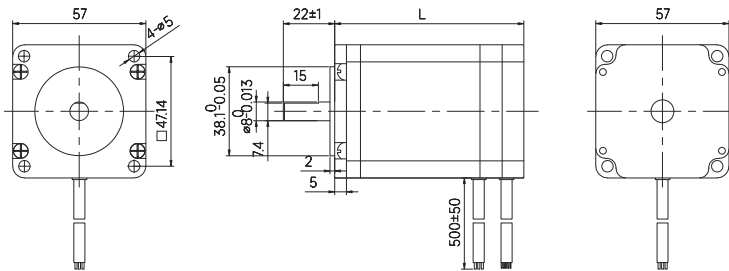
- Compact size, Large power, High Efficiency
- Wide Speed Range
- Rated speed 3000rpm, higher speed could be customized
- Low Noise, Smooth Operation, Stable and Reliable
- Advanced Performance and Features with Easy to Use Controls



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Motor L(L)	Net Weight	Matched Driver
	V	W	A	RPM	Nm	mm	Kg	
57BLF0630-24-D01A	DC24	60	4.0	3000	0.2	59	0.6	BLR120A/ELD200A
57BLF1230-24-D01A	DC24	120	8.0	3000	0.4	81	1.0	BLR300A/ELD200A
57BLF1830-24-D01A	DC24	180	12.0	3000	0.6	101	1.3	BLR300A/ELD200A
57BLF1230-220-D01A	AC220	120	1.0	3000	0.4	81	1.0	BHR400A/EHD200A
57BLF1830-220-D01A	AC220	180	1.1	3000	0.6	101	1.3	BHR400A/EHD200A

● Dimensions(Unit:mm)



- Other Parameters could be customized.

● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK

说明
EXPLAIN

光轴调速电机
ROUND SHAFT(NO GEAR) BLDC MOTOR

微型减速电机
PARALLEL SHAFT BLDC GEARED MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

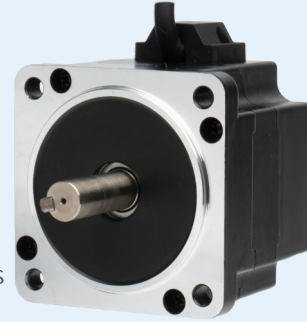
面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

机箱调速控制器
BLDC SPEED CONTROLLER

光轴调速电机 ROUND SHAFT(NO GEAR) BLDC MOTOR

200~750W
86mm

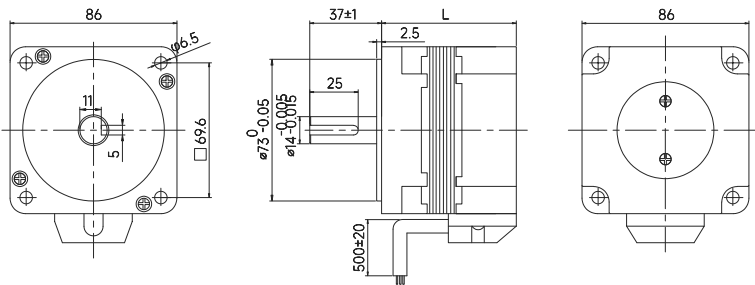
- Compact size, Large power, High Efficiency
- Wide Speed Range
- Rated speed 3000rpm, higher speed could be customized
- Low Noise, Smooth Operation, Stable and Reliable
- Advanced Performance and Features with Easy to Use Controls



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Motor L(L)	Net Weight	Matched Driver
	V	W	A	RPM	Nm	mm	Kg	
86BLF2230-48-U01B	DC48	200	5.6	3000	0.7	70	1.5	BLR300A/ELD200A
86BLF4030-48-U01A	DC48	400	12.0	3000	1.3	90	2.3	BL750A
86BLF7530-48-U01A	DC48	750	21.0	3000	2.4	130	4.0	BL750A
86BLF2230-220-U01B	AC220	200	2.0	3000	0.7	70	1.5	BHR400A/EHD200A
86BLF4030-220-U01B	AC220	400	3.0	3000	1.3	90	2.3	BHR400A/EHD400A
86BLF7530-220-U01A	AC220	750	6.0	3000	2.4	130	4.0	BHR750A/BHB750RB

● Dimensions(Unit: mm)



- Other parameters could be customized.

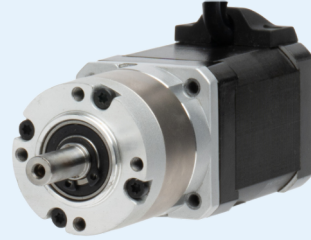
● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	RD	RD	YE	GN	BU	BK

行星减速电机 PLANETARY BLDC GEARED MOTOR

30~60W 42mm

- High precision, high efficiency
- Low noise and smooth
- High torque and wide speed range
- Large rated torque
- Easy Wiring, Easy Set Up and Simple to Use Controls



● Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Rated Torque	Motor Weight	Motor L(L)	Matched Driver
	V	W	A	RPM	Nm	Max	Kg	mm	
42PGEXU-42BLF0330-24-01A	DC24	30	2.5	3000	0.1	70	0.4	51	BLR60A/ELD200A
42PGEXU-42BLF0630-24-01A	DC24	60	3.5	3000	0.2	50	0.5	61	BLR60A/ELD200A

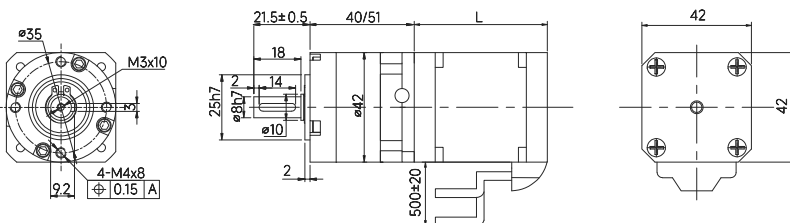
- The torque on the tab is motor torque before adding gearbox; (3-10) gear box is 0.25kg, (12-70) gearbox is 0.34KG.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.
- X is gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3	4	5*	7	10*	12	15	16	20*	25	28	35	40	50	70
Real Speed RPM	1000	750	600	428	300	250	200	187	150	120	107	85	75	60	42
Torque N.m	30W	0.2	0.3	0.4	0.6	0.9	1.1	1.3	1.4	1.8	2.2	2.5	3.1	3.6	5.4
	60W	0.5	0.7	0.9	1.2	1.8	2.1	2.7	2.9	3.6	4.5	5.0	6.3	7.2	10.0

- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- * Model is in stock. Others are special speed ratio models, could be customized.
X is gear ratio.

● Dimensions(Unit:mm)



● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YEL	GN	BU	RD	YE	GN	BU	BK

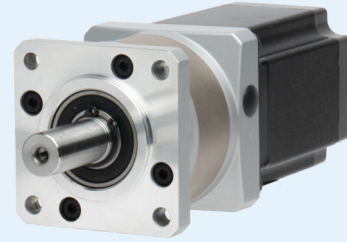
- Other parameters could be customized.

行星减速电机 PLANETARY BLDC GEARED MOTOR

120~180W 60mm

说明
EXPLAIN

- High precision, high efficiency
- Low noise and smooth
- High torque and wide speed range
- Large rated torque
- Easy Wiring, Easy Set Up and Simple to Use Controls



光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Gear Ratio	Net Weight	Motor L(L)	Matched Driver
	V	W	A	RPM	Nm	MAX	Kg	mm	
60PGFXU-57BLF0630-24-01A	DC24	60	4.0	3000	0.2	70	0.6	59	BLR120A/ELD200A
60PGFXU-57BLF1230-24-01A	DC24	120	8.0	3000	0.4	50	1.0	81	BLR120A/ELD200A
60PGFXU-57BLF1830-24-01A	DC24	180	12.0	3000	0.6	40	1.3	101	BLR300A/ELD200A

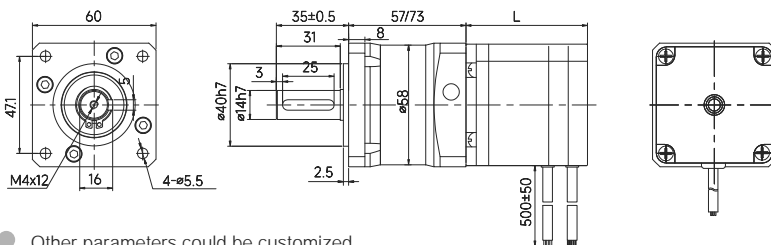
- Torque on the tab is motor torque before adding gearbox; (3-10) gear box is 0.71kg, (12-70) gearbox is 0.95kg.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio. X is gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3	4	5*	7	10*	12	15	16	20*	25	28	35	40	50	70
Real Speed RPM	1000	750	600	428	300	250	200	187	150	120	107	85	75	60	42
Torque N.m	60W	0.5	0.7	0.9	1.2	1.8	2.1	2.7	2.9	3.6	4.5	5.0	6.3	7.2	9.0
	120W	1.0	1.4	1.8	2.4	3.6	4.2	5.4	5.8	7.2	9.0	10.0	12.6	14.4	18.0
	180W	1.5	2.1	2.7	3.6	5.4	6.3	8.1	8.7	10.8	13.5	15.0	18.9	20.0	20.0

- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- * Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



- Other parameters could be customized.

● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YEL	GN	BU	RD	YE	GN	BU	BK

微型减速电机
PARALLEL SHAFT BLDC GEARED MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

机箱调速控制器
BLDC SPEED CONTROLLER

行星减速电机 PLANETARY BLDC GEARED MOTOR

120~180W 60mm

- High precision, high efficiency
- Low noise and smooth
- High torque and wide speed range
- Large rated torque
- Easy Wiring, Easy Set Up and Simple to Use Controls



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Gear Ratio	Net Weight	Motor L(L)	Matched Driver
	V	W	A	RPM	Nm	MAX	Kg	mm	
60PGFXU-57BLF1230-220-01A	AC220	120	1.1	3000	0.4	50	1.0	81	BHR400A/EHD200A
60PGFXU-57BLF1830-220-01A	AC220	180	1.1	3000	0.6	40	1.3	101	BHR400A/EHD200A

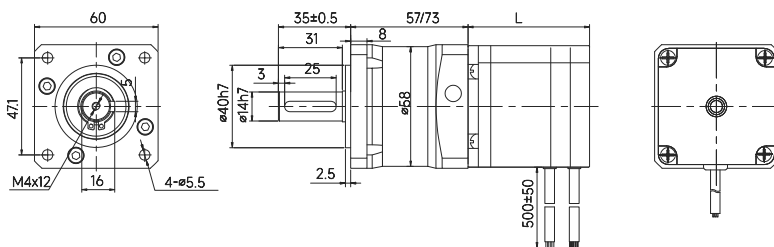
- Torque on the tab is motor torque before adding gearbox; (3-10) gear box is 0.71kg, (12-70) gearbox is 0.95kg.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio
- X is gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3	4	5*	7	10*	12	15	16	20*	25	28	35	40	50	70
Real Speed RPM	1000	750	600	428	300	250	200	187	150	120	107	85	75	60	42
Torque N.m	120W	1.0	1.4	1.8	2.4	3.6	4.2	5.4	5.8	7.2	9.0	10.0	12.6	14.4	18.0
	180W	1.5	2.1	2.7	3.6	5.4	6.3	8.1	8.7	10.8	13.5	15.0	18.9	20.0	20.0

- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- * Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



- Other parameters could be customized.

● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YEL	GN	BU	RD	YE	GN	BU	BK

行星减速电机 PLANETARY BLDC GEARED MOTOR

200~750W 90mm

- High precision, high efficiency
- Low noise and smooth
- High torque and wide speed range
- Large rated torque
- Easy Wiring, Easy Set Up and Simple to Use Controls



说明
EXPLAIN

光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

微型减速电机
PARALLEL SHAFT BLDC GEARED MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

机箱调速控制器
BLDC SPEED CONTROLLER

● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Gear Ratio	Net Weight	Motor L(L)	Matched Driver
	V	W	A	RPM	Nm	MAX	Kg	mm	
90PGFXU-86BLF2230-48-01A	DC48	200	5.6	3000	0.7	70	1.5	70	BLR300A
90PGFXU-86BLF4030-48-01A	DC48	400	12.0	3000	1.3	50	2.3	90	BL750A
90PGFXU-86BLF7530-48-01A	DC48	750	21.0	3000	2.4	40	4.0	130	BL750A

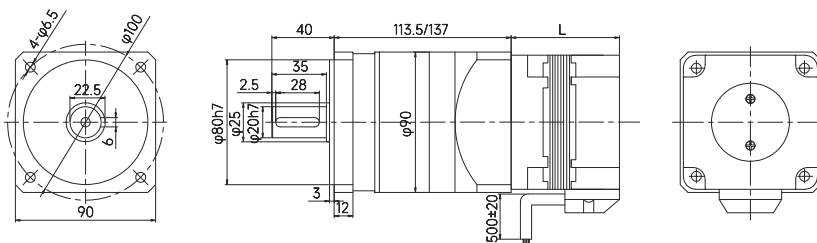
- The torque on the tab is motor torque before adding gearbox; (3-10) gear box is 2.7kg, (12-70) gearbox is 3.59kg.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.
- X is gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3	4	5*	7	10*	12	15	16	20*	25	28	35	40	50	70	
Real Speed RPM	1000	750	600	428	300	250	200	187	150	120	107	85	75	60	42	
Torque N.m	200W	1.9	2.5	3.2	4.4	6.3	7.5	9.5	10.0	12.6	15.7	17.6	22.0	25.2	31.5	44.1
	400W	3.5	4.7	5.8	8.2	11.7	14.0	17.5	18.7	23.4	29.2	32.7	40.9	46.8	58.5	81.9
	750W	6.5	8.6	10.8	15.2	21.6	25.9	32.4	34.5	43.2	54.0	60.5	75.6	86.4	100.0	100.0

- The real speed is rated speed/gear ratio. The actual speed will vary with the load
- * Model is in stock. Others are special speed ratio models, could be customized.

● Dimensions(Unit:mm)



- Other parameters could be customized.

● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK

行星减速电机 PLANETARY BLDC GEARED MOTOR

200~750W 90mm

- High precision, high efficiency
- Low noise and smooth
- High torque and wide speed range
- Large rated torque
- Easy Wiring, Easy Set Up and Simple to Use Controls



● Motor Model/Parameters

Motor Model	Rated Voltage	Power	Rated Current	Rated Speed	Rated Torque	Gear Ratio	Net Weight	Motor L(L)	Matched Driver
	V	W	A	RPM	Nm	MAX	Kg	mm	
90PGFXU-86BLF2230-220-01A	AC220	200	2.0	3000	0.7	70	1.5	70	BHR400A/EHD200A
90PGFXU-86BLF4030-220-01A	AC220	400	3.0	3000	1.3	50	2.3	90	BHR400A/EHD400A
90PGFXU-86BLF7530-220-01A	AC220	750	6.0	3000	2.4	40	4.0	130	BHR750A/BHB750RB

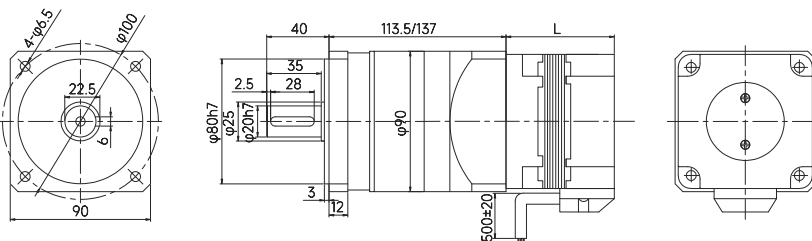
- The torque on the tab is motor torque before adding gearbox: (3-10) gear box is 2.7kg, (12-70) gearbox is 3.59kg.
- The torque after gearbox=Motor torque*Gear Ratio*Efficiency; Real Rated Speed=3000/gear ratio; Min output speed=150/gear ratio.
- X is gear ratio.

● Gear Ratio and Torque Tab

Gear Ratio	3	4	5*	7	10*	12	15	16	20*	25	28	35	40	50	70	
Speed RPM	1000	750	600	428	300	250	200	187	150	120	107	85	75	60	42	
Torque N.m	200W	1.9	2.5	3.2	4.4	6.3	7.5	9.5	10.0	12.6	15.7	17.6	22.0	25.2	31.5	44.1
	400W	3.5	4.7	5.8	8.2	11.7	14.0	17.5	18.7	23.4	29.2	32.7	40.9	46.8	58.5	81.9
	750W	6.5	8.6	10.8	15.2	21.6	25.9	32.4	34.5	43.2	54.0	60.5	75.6	86.4	100.0	100.0

- The real speed is rated speed/gear ratio. The actual speed will vary with the load.
- * Model is in stock. Others are special speed ratio models, could be customized.

● Dimentions(Unit:mm)



- Other parameters could be customized.

● Motor Phase

1	2	3	4	5	6	7	8
U	V	W	5V	HU	HV	HW	GND
YE	GN	BU	RD	YE	GN	BU	BK

机箱式调速控制器 BLDC SPEED CONTROLLER

BL60A DC24V

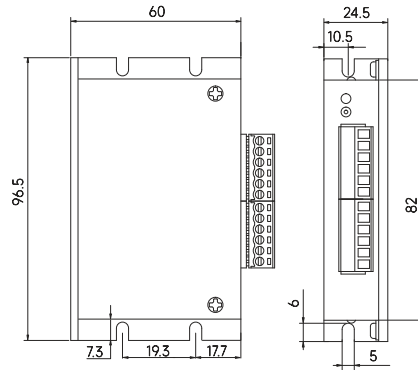
- Compact size and save space
- Various speed adjustment methods are optional
- ACC time adjustable
- Controlled by PLC directly
- External PWM speed control



● Parameter list

Model	BL60A
Mounting Type	Chassis
Power Supply	DC24V
Matched Motor Power	≤60W
Speed Range	150~3000RPM
Operating environment	-20°C~+55°C
Speed adjust methods	Built-in/external potentiometer/Analog/Pulse frequency

● Dimensions(Unit: mm)



● Functions:

- Start/Stop: Direct speed adjustment (RV knob or SV terminal) makes the motor to run.
- Brake: Connect BRK and GND, the motor brake stops. Disconnect BRK and GND, the motor runs. By connecting a switch/PLC between GND and BRK, the motor could be controlled.
- Direction control: when the F/R port is not connected, the motor rotates CW, and when F/R and GND are shorted, the motor rotates CCW.

● Speed Mode

- Built-in potentiometer RV speed control: Rotate the built-in speed control potentiometer RV CW, the motor starts to run. Turn it CCW to the limit position, the built-in potentiometer RV will be closed, and the motor will stop running---Figure 1.
- External potentiometer: Use a potentiometer with a resistance value of 10KΩ. ---Figure 2.
- External analog signal DC0-5V input: When it is necessary to switch to the external analog control speed mode, the built-in potentiometer RV, must be CCW in the off state.
- Pulse frequency/PWM speed control: The recommended speed adjustment range is 5%~96%, DC0-5V, frequency 3KHZ~15KHZ.

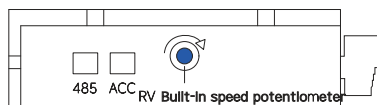


Figure1

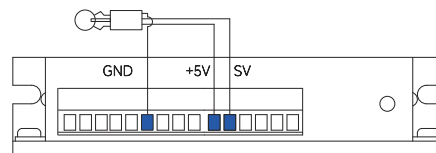


Figure2

發達型调速电机
PARALLEL SHAFT BLDC GEARED MOTOR

L型调速电机
L-MODEL BLDC GEARED MOTOR

R型调速电机
R-MODEL BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

行星调速电机
PLANETARY BLDC GEARED MOTOR

机箱调速控制器
BLDC SPEED CONTROLLER

机箱式调速控制器 BLDC SPEED CONTROLLER

BLR60A DC24V

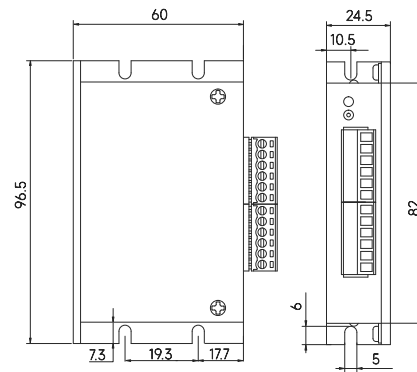
- Compact size and save space
- Various speed adjustment methods are optional
- ACC time adjustable
- Controlled by PLC directly
- RS-485 communication multi-axis control



● Parameter list

Model	BLR60A
Mounting Type	Chassis
Power supply	DC24V
Matched motor power	≤60W
Speed Range	150~3000RPM
Operating environment	-20°C~+55°C
Speed adjust methods	Built-in/external potentiometer/ Analog/RS485/PWM
Control functions	RS485

● Dimension(Unit:mm)



● Functions :

- Start/Stop: When the RS485 is not used, RV knob can make the motor run. When connected to 485, it is controlled by the host computer.
- Brake: Connect BRK and GND, the motor brakes stop; disconnect BRK and GND, the motor runs. By connecting a switch/PLC between GND and BRK, the motor could be controlled.
- Direction control: If F/R and GND are not connected, the motor rotates CW, and when F/R and GND are shorted, the motor rotates in reverse.

● Speed Mode:

- Built-in potentiometer RV speed control: Rotate the built-in speed control potentiometer RV clockwise, and the motor starts to run. Turn it counterclockwise to the limit position, at this time, the built-in potentiometer RV will be closed, and the motor will stop running---Figure 1.
- External potentiometer: Use a potentiometer with a resistance value of 10K . ---Figure 2.
- External analog signal DC0-5V input: When it is necessary to switch to the external analog control speed mode, the built-in potentiometer RV must be hung CCW in the off state.
- PWM speed regulation: Recommended speed regulation range 5%-96%, high level 5V, low level 0V, frequency 3KHZ~15KHZ.

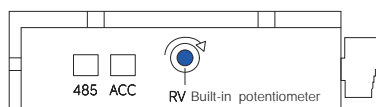


Figure 1

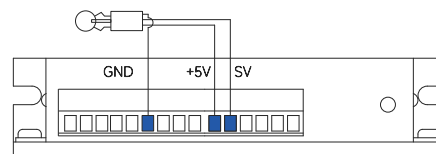


Figure2

机箱式调速控制器 BLDC SPEED CONTROLLER

BL120A DC24V

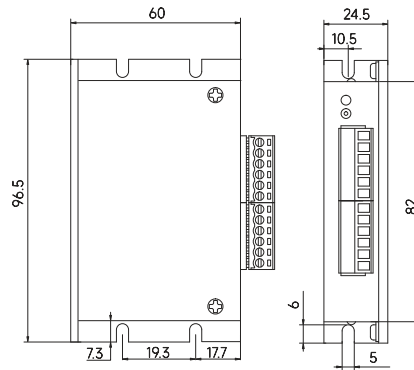
- Compact size and save space
- Various speed adjustment methods are optional
- ACC time adjustable
- Controlled by PLC directly
- External PWM speed control



● Parameter list

Model	BL120A
Mounting Type	Chassis
Power Supply	DC24V
Matched Motor Power	≤120W
Speed Range	150~3000RPM
Operating environment	-20°C~+55°C
Speed adjust methods	Built-in/external potentiometer/Analog/Pulse frequency

● Dimensions(Unit: mm)



● Functions:

- Start/Stop: Direct speed adjustment (RV knob or SV terminal) makes the motor to run.
- Brake: Connect BRK and GND, the motor brake stops. Disconnect BRK and GND, the motor runs. By connecting a switch/PLC between GND and BRK, the motor could be controlled.
- Direction control: when the F/R port is not connected, the motor rotates CW, and when F/R and GND are shorted, the motor rotates CCW.

● Speed Mode

- Built-in potentiometer RV speed control: Rotate the built-in speed control potentiometer RV clockwise, and the motor starts to run. Turn it counterclockwise to the limit position, at this time, the built-in potentiometer RV will be closed, and the motor will stop running---Figure 1.
- External potentiometer: Use a potentiometer with a resistance value of 10KΩ. ---Figure 2.
- External analog signal: DC0-5V input: When it is necessary to switch to the external analog control speed mode, the built-in potentiometer RV must be in the off state. Use 24V 3000RPM 4-pole electrode. The machine is equipped with closed-loop 4 pairs of poles on the board.
- Pulse frequency/PWM speed control: The recommended speed adjustment range is 5%-96%, DC0-5V. Please refer to the manual for detailed configuration.

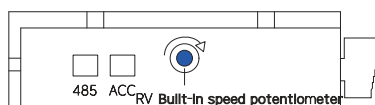


Figure1

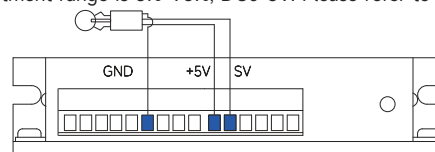


Figure2

發達型调速电机
PARALLEL SHAFT BLDC GEARED MOTOR

L型调速电机
L-MODEL BLDC GEARED MOTOR

R型调速电机
R-MODEL BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

行星调速电机
PLANETARY BLDC GEARED MOTOR

机箱调速控制器
BLDC SPEED CONTROLLER

机箱式调速控制器 BLDC SPEED CONTROLLER

BLR120A DC24V

说明
EXPLAIN

- Compact size and save space
- Various speed adjustment methods are optional
- ACC time adjustable
- Controlled by PLC directly
- RS-485 communication multi-axis control



光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

微型减速电机
PARALLEL SHAFT BLDC GEARED MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

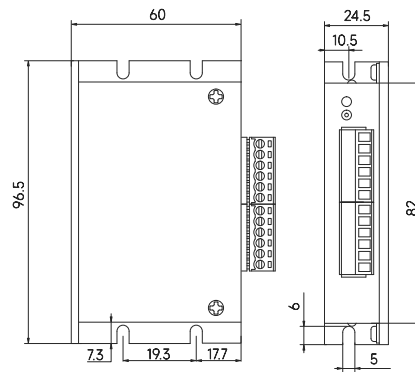
面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

机箱调速控制器
BLDC SPEED CONTROLLER

● Parameter list

Model	BLR120A
Mounting Type	Chassis
Power supply	DC24V
Matched motor power	≤120W
Speed Range	150~3000RPM
Operating environment	-20°C~+55°C
Speed adjust methods	Built-in/external potentiometer/Analog/RS485/PWM
Control functions	RS485

● Dimension(Unit:mm)



● Functions:

- Start/Stop: When the RS485 is not used, RV knob can make the motor run. When connected to 485, it is controlled by the host computer.
- Brake: Connect BRK and GND, the motor brakes stops; disconnect BRK and GND, the motor runs. By connecting a switch/PLC between GND and BRK, the motor could be controlled.
- Direction control: If F/R and GND are not connected, the motor rotates CW, and when F/R and GND are shorted, the motor rotates in reverse.

● Speed Mode:

- Built-in potentiometer RV speed control: Rotate the built-in speed control potentiometer RV clockwise, and the motor starts to run. Turn it counterclockwise to the limit position, at this time, the built-in potentiometer RV will be closed, and the motor will stop running---Figure 1.
- External potentiometer: Use a potentiometer with a resistance value of 10K . ---Figure 2.
- External analog signal: DC0-5V input: When it is necessary to switch to the external analog control speed mode, the built-in potentiometer RV must be hung CCW in the off state.
- PWM speed regulation: Recommended speed regulation range 5%~96%, high level 5V, low level 0V, frequency 3KHZ~15KHZ.

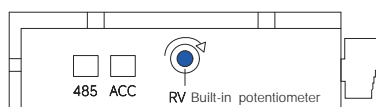


Figure1

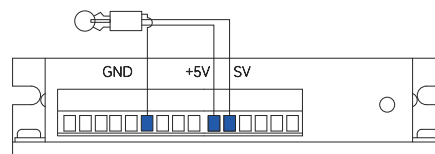


Figure2

机箱式调速控制器 BLDC SPEED CONTROLLER

BL300A DC48V

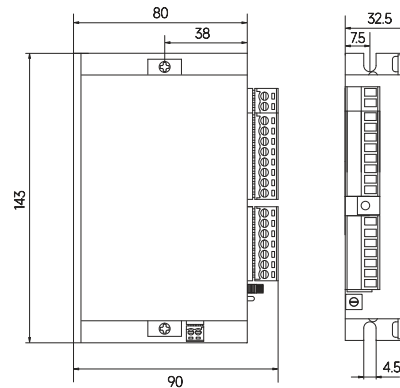
- Compact size and save space
- Built-in potentiometer RV speed control
- ACC time adjustable
- Controlled by PLC directly
- Pulse frequency speed control



● Parameter list

Model	BL300A
Mounting Type	Chassis
Power Supply	DC24V/DC48V
Matched Motor Power	≤150W/≤300W
Speed Range	150~3000RPM
Operating environment	-20°C~+55°C
Speed adjust methods	Built-in/external potentiometer/Analog/Pulse frequency

● Dimensions(Unit: mm)



● Functions:

- Start/Stop: When EN and the COM terminal connect, the motor runs. Otherwise, the motor stops slowly. Connect a switch or PLC between COM and EN to control the stop/stop of the motor.
- Brake: Connect BRK and GND, the motor brake stops. Disconnect BRK and GND, the motor runs. By connecting a switch/PLC between GND and BRK, the motor could be controlled.
- Direction control: If F/R and GND are not connected, the motor rotates CW, and when F/R and GND are shorted, the motor rotates in reverse.
- Closed mode: The motor would run at closed mode.
- Output signal: Speed and Alarm signal output.

● Speed Mode

- Built-in potentiometer RV speed control: Rotate the built-in speed control potentiometer RV clockwise, and the motor starts to run. Turn it counterclockwise to the limit position, at this time, the built-in potentiometer RV will be closed, and the motor will stop running---Figure 1.
- External potentiometer: Use a potentiometer with a resistance value of 10KΩ. ---Figure 2.
- External analog signal: DC0-5V input: When it is necessary to switch to the external analog control speed mode, the built-in potentiometer RV must be in the off state.
- Pulse frequency/PWM speed control: Please refer to the manual for detailed configuration.

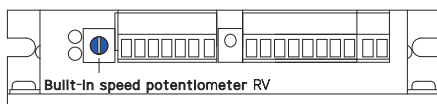


Figure1

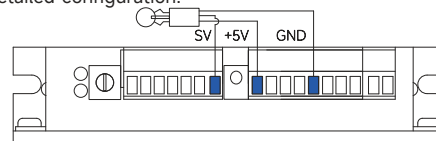


Figure2

發售型 调速电机
PARALLEL SHAFT BLDC GEARED MOTOR

L型 调速电机
L-MODEL BLDC GEARED MOTOR

R型 调速电机
R-MODEL BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

行星调速电机
PLANETARY BLDC GEARED MOTOR

机箱调速控制器
BLDC SPEED CONTROLLER

机箱式调速控制器 BLDC SPEED CONTROLLER

BLR300A DC48V

说明
EXPLAIN

光轴调速电机
ROUND SHAFT (NO GEAR) BLDC MOTOR

微型减速电机
MICRO SHAFT BLDC GEARED MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

面板调速器
PANEL TYPE BLDC SPEED CONTROLLER

机箱调速器
CHASSIS TYPE BLDC SPEED CONTROLLER

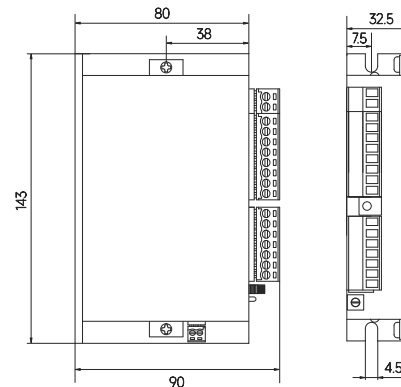
- Compact size and save space
- Various speed adjustment methods are optional
- ACC time adjustable
- Controlled by PLC directly
- RS-485 communication multi-axis control



● Parameter list

Model	BLR300A
Mounting Type	Chassis
Power Supply	DC24V/DC48V
Matched Motor Power	≤150W/≤300W
Speed Range	150~3000RPM
Operating environment	-20°C~+55°C
Speed adjust methods	Built-in/external potentiometer/Analog/RS485/
Control functions	RS485

● Dimension(Unit:mm)



● Functions:

- Start/Stop: When the RS485 is not used, RV knob can make the motor run. When connected to 485, it is controlled by the host computer. Connect a switch or PLC between COM and EN to control the stop/stop of the motor.
- Brake: Connect BRK and GND, the motor brake stops. Disconnect BRK and GND, the motor runs. By connecting a switch/PLC between GND and BRK, the motor could be controlled.
- Direction control: If F/R and GND are not connected, the motor rotates CW, and when F/R and GND are shorted, the motor rotates in reverse.
- Closed mode: The motor would run at closed mode.
- Output signal: Speed and Alarm signal output.

● Speed Adjusting Mode:

- Built-in potentiometer RV speed control: Rotate the built-in speed control potentiometer RV clockwise, and the motor starts to run. Turn it counterclockwise to the limit position, at this time, the built-in potentiometer RV will be closed, and the motor will stop running---Figure 1.
 - External potentiometer: Use a potentiometer with a resistance value of 10KΩ. ---Figure 2.
 - External analog signal: DC0-5V input: When it is necessary to switch to the external analog control speed mode, the built-in potentiometer RV, must be hung CCW in the off state.
- RS485 Speed Adjusting: The RS-485 communication method can be used to adjust the speed, and the communication protocol is detailed in the reference manual.

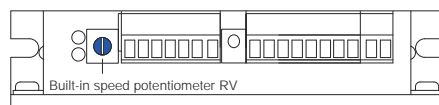


Figure1

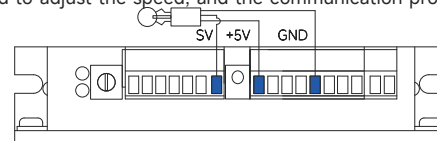


Figure2

机箱式调速控制器 BLDC SPEED CONTROLLER

BL750A DC48V

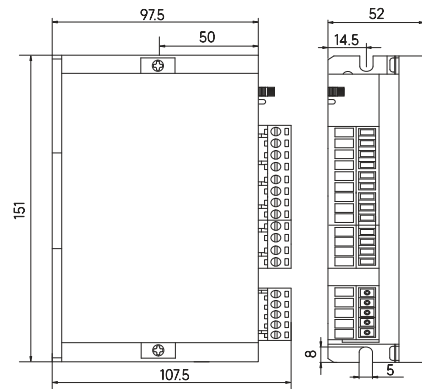
- Compact size and save space
- Various speed adjustment methods are optional
- ACC time adjustable
- Controlled by PLC directly
- Pulse frequency speed control



● Parameter list

Model	BL750A
Mounting Type	Chassis
Power Supply	DC24V/DC48V
Matched Motor Power	≤375W/≤750W
Speed Range	150~3000RPM
Operating environment	-20°C~+55°C
Speed adjust methods	Built-in/external potentiometer/Analog/Pulse frequency

● Dimensions(Unit: mm)

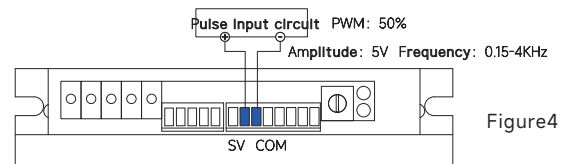
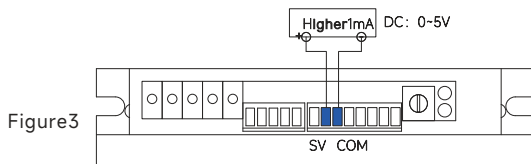
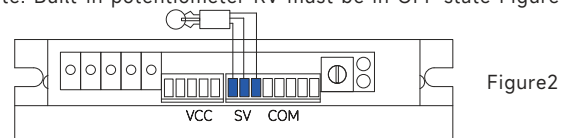
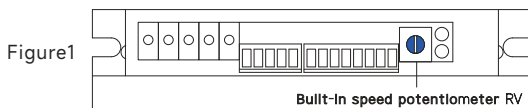


● Functions:

- Acc/Dec time setting: Set the acceleration time and deceleration time of the motor through the potentiometer ACC/DEC.
- Motor pole-pair setting: The pole-pair number of the motor can be set through SW2.
- Open/closed loop setting: SW1 ON=closed loop control; SW1 OFF=open loop control. Note: when closed loop mode, motor pairs should be set rightly through SW2.
- Start and stop: When EN and the COM terminal connect, the motor runs (default)
- Quick stop: When BRK connects with COM, the motor runs. (Default). Otherwise, the motor brake stops
- Direction control: When F/R connects COM, the motor runs CCW; when F/R disconnects COM, the motor runs CW(Default)

● Speed Mode

- Built-in potentiometer RV speed regulation: Rotate the built-in speed regulation potentiometer RV clockwise, and the motor starts to run-Figure 1.
- External potentiometer: Please use a suitable potentiometer with a resistance value of 10KΩ. - Figure 2.
- External analog signal DC0-5V: When it is necessary to switch to the external SV input control speed mode, the built-in potentiometer RV must be in the off state - Figure 3.
- Use pulse frequency speed regulation: SW3 should be set to ON state. Built-in potentiometer RV must be in OFF state-Figure 4.



發達型調速電機
PARALLEL SHAFT BLDC GEARED MOTOR

L型調速電機
L-MODEL BLDC GEARED MOTOR

R型調速電機
R-MODEL BLDC GEARED MOTOR

面板調速控制電機
PANEL TYPE BLDC SPEED CONTROLLER

光軸調速電機
ROUND SHAFT (NO GEAR) BLDC MOTOR

行星調速電機
PLANETARY BLDC GEARED MOTOR

機箱調速控制電機
BLDC SPEED CONTROLLER

机箱式调速控制器 BLDC SPEED CONTROLLER

BHR400A AC220V

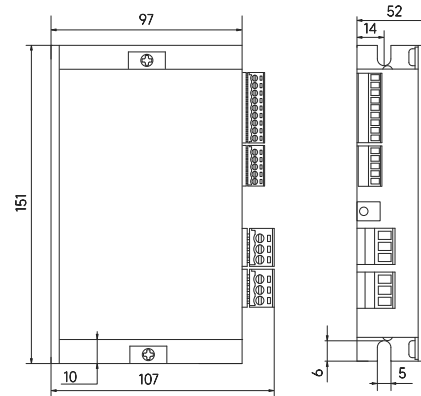
- Compact size and save space
- Various speed adjustment methods are optional
- ACC time adjustable
- Controlled by PLC directly
- RS-485 communication multi-axis control



● Parameter list

Model	BHR400A
Mounting Type	Chassis
Power Supply	Single-phase 220V/single-phase 110V
Matched Motor Power	≤400W/≤200W
Speed Range	150~3000RPM
Operating environment	-20 ~ + 55
Speed adjust method	Built-in/external potentiometer/Analog/PWM/Pulse frequency
Control functions	RS485

● Dimension(Unit:mm)



● Functions:

- Acc/Dec time setting: Set the acceleration time and deceleration time of the motor through the potentiometer ACC/DEC.
- Motor pole-pair setting: The pole-pair number of the motor can be set through SW2.
- Start and stop: When EN and the COM terminal connect, the motor runs (default).
- Quick stop: When BRK connects with COM, the motor runs. (Default). Otherwise, the motor brake stops.
- Direction control: When F/R connects COM, the motor runs CCW; when F/R disconnects COM, the motor runs CW(Default).
- Output signal: Speed and Alarm signal output.

● Speed Mode

- Built-in potentiometer RV speed regulation: Rotate the built-in speed regulation potentiometer RV clockwise, and the motor starts to run-Figure 1
- RS485 speed control: the role of SW5-SW8 in the DIP switch is to set the slave address, the setting method - Figure 1. Please refer to the product detailed manual.
- External potentiometer: Please use a suitable potentiometer with a resistance value of 10K . -Figure 2.
- External analog signal DC0-5V: When it is necessary to switch to the external SV input control speed mode, the built-in potentiometer RV must be in the off state - Figure 3.

Pulse frequency/PWM speed control: When SW4 is OFF, it is frequency speed control, when SW4 is ON, it is PWM speed control, and the built-in potentiometer RV must be in a closed state - Figure 4

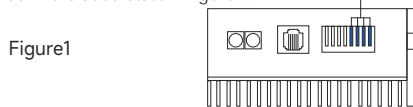


Figure1

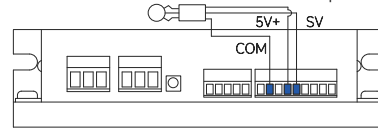


Figure2

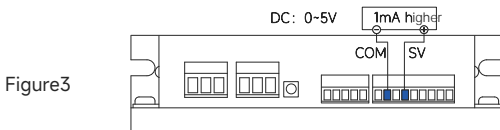


Figure3

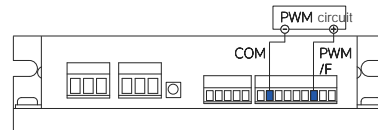


Figure4

PWM speed regulation: Amplitude: 5V Frequency: 1K-10KHz
Pulse frequency speed regulation: Amplitude: 5V Frequency: 150Hz-3KHz

机箱式调速控制器 BLDC SPEED CONTROLLER

BHR750A AC220V

说明
EXPLAIN

光轴调速电机
ROUND SHAFT(NO GEAR) BLDC MOTOR

微型减速电机
PARALLEL SHAFT BLDC GEARED MOTOR

行星减速电机
PLANETARY BLDC GEARED MOTOR

面板调速控制器
PANEL TYPE BLDC SPEED CONTROLLER

机箱调速控制器
BLDC SPEED CONTROLLER

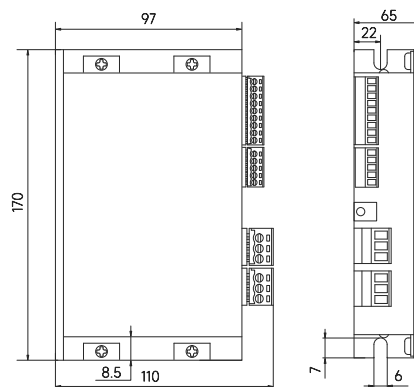
- Compact size and save space
- Various speed adjustment methods are optional
- ACC time adjustable
- Controlled by PLC directly
- RS-485 communication multi-axis control



● Parameter list

Model	BHR750A
Mounting Type	Chassis
Power Supply	Single-phase 220V/single-phase 110V
Matched Motor Power	≤750W/≤375W
Speed Range	150~3000RPM
Operating environment	-20°C~+55°C
Speed adjust method	Built-in/external potentiometer/Analog/PWM/ Pulse frequency
Control functions	RS485

● Dimension(Unit:mm)



● Functions:

- Acc/Dec time setting: Set the acceleration time and deceleration time of the motor through the potentiometer ACC/DEC.
- Motor pole-pair setting: The pole-pair number of the motor can be set through SW2.
- Start and stop: When EN and the COM terminal connect, the motor runs (default)
- Quick stop: When BRK connects with COM, the motor runs. (Default). Otherwise, the motor brake stops.
- Direction control: When F/R connects COM, the motor runs CCW; when F/R disconnects COM, the motor runs CW(Default).
- Output signa: Speed and Alarm signal output.

● Speed Mode

- Built-in potentiometer RV speed regulation: Rotate the built-in speed regulation potentiometer RV clockwise, and the motor starts to run-Figure 1
 - RS485 speed control: the role of SW5-SW8 in the DIP switch is to set the slave address, the setting method - Figure 1. Please refer to the product detailed manual.
 - External potentiometer: Please use a suitable potentiometer with a resistance value of 10K .-Figure 2.
 - External analog signal DC0-5V: When it is necessary to switch to the external SV input control speed mode, the built-in potentiometer RV must be in the off state - Figure 3.
- Pulse frequency/PWM speed control: When SW4 is OFF, it is frequency speed control, when SW4 is ON, it is PWM speed control, and the built-in potentiometer RV

Figure 1

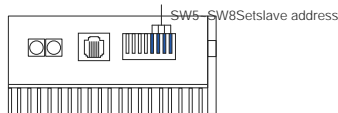


Figure 2

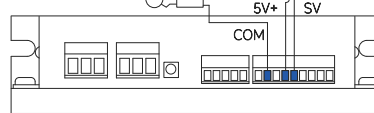


Figure 3

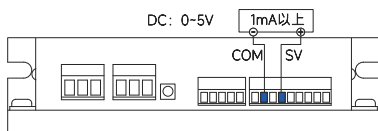
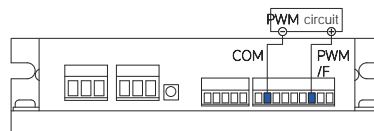


Figure 4



PWM speed regulation: Amplitude: 5V Frequency: 1K-10KHz
Pulse frequency speed regulation: Amplitude: 5V Frequency: 150Hz-3KHz



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Room 401, Building 2, No. 7, Xinhe Shengfeng Road,
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