

28mm系列直流无刷电机

Brushless DC Motors – NEMA 11

内转子电机是一款三相直流无刷电机，带永久磁铁的转子在绕有线圈的固定定子内部围绕一个轴旋转。其优点是转子的转动惯量更小且散热性能更佳。这种电机特别适用于高速应用场合。

The inner rotor motor is a three-phase brushless DC motor. The rotor with permanent magnet rotates around a shaft in a fixed stator wound with coils. The utility model has the advantages of smaller moment of inertia of the rotor and better heat dissipation performance. This motor is especially suitable for high-speed applications.

Feature

- 28mm small size 28mm微型尺寸
- Encoder optional 可配套编码器
- Longer life and higher accuracy 更长的寿命和更高的精度
- Different lengths available 提供不同长度
- Motor Controllers / Drives available 电机控制器/驱动器可用



VERSIONS

型号 Model	YL28BL260406	YL28BL380415	YL28BL770416
极数 Number of Poles	4	4	4
相数 Number of Phases	3	3	3
额定电压 Nominal voltage VDC	15	24	24
额定转速 Rated speed RPM	8000	10000	10000
额定扭矩 Rated Torque N·M	7	14.2	50
额定电流 Rated Current Amps	0.833	0.933	1
输出功率 Output Power Watts	6	14.78	16
峰值扭矩 Peak Torque N·m	21	42.4	150
峰值电流 Peak Current Amps	2.5	2.8	3
力矩常数 Torque constant N·m/A	13.7	16	35.56
转动惯量 Rotor inertia g·cm ²	2.35	3.69	10.98
电机长度 Body Length (L) mm	26	38	77
重量 Mass kg	0.060	0.082	0.20

订货代号 ORDER IDENTIFIER

YL28BL260406-A/B

YL28BL=28mm bldc motor 28mm直流无刷电机
26=Body Length(mm) 电机高度 (mm)

- A=单出轴 Single output shaft
- B=双出轴 Front and rear output shaft
- E=集成编码器 Within encoder

可选版本 optional

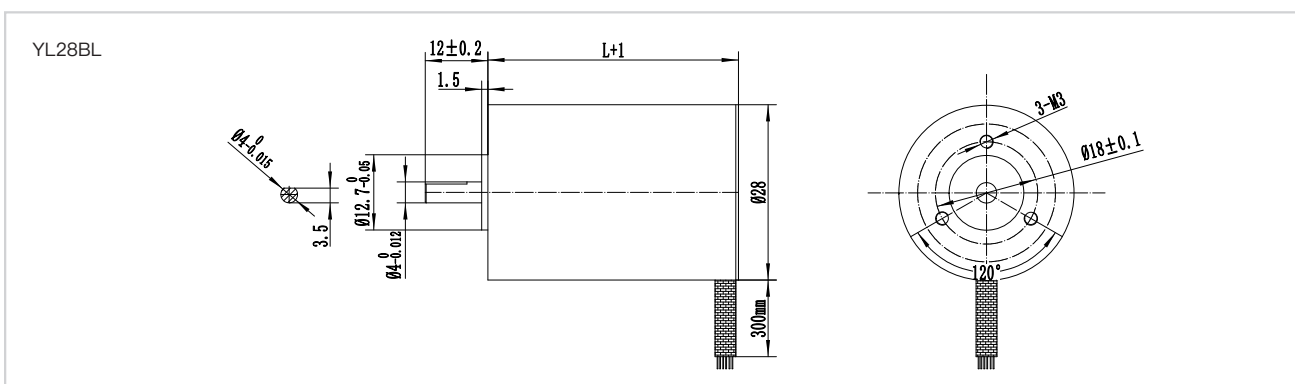
- A=单出轴 Single output shaft
- B=双出轴 Front and rear output shaft
- E=带编码器版本 Within encoder
- 丰富的编码器分辨率可选
- Rich encoder resolution options

可选配件 ACCESSORIES

Motor Controllers / Drives
电机驱动与控制器

Encoder 编码器

DIMENSIONS (IN MM)



36mm系列直流无刷电机

Brushless DC Motors – Size36

内转子电机是一款三相直流无刷电机，带永久磁铁的转子在绕有线圈的固定定子内部围绕一个轴旋转。其优点是转子的转动惯量更小且散热性能更佳。这种电机特别适用于高速应用场合。

The inner rotor motor is a three-phase brushless DC motor. The rotor with permanent magnet rotates around a shaft in a fixed stator wound with coils. The utility model has the advantages of smaller moment of inertia of the rotor and better heat dissipation performance. This motor is especially suitable for high-speed applications.

Feature

- 36mm small size 36mm微型尺寸
- Encoder optional 可配套编码器
- Longer life and higher accuracy 更长的寿命和更高的精度
- Different lengths available 提供不同长度
- Motor Controllers / Drives available 电机控制器/驱动器可用



VERSIONS

型号 Model	YL36BL400405	YL36BL400410	YL36BL500408	YL36BL500415	YL36BL600425
极数 Number of Poles	4	4	4	4	4
相数 Number of Phases	3	3	3	3	3
额定电压 Nominal voltage VDC	12	24	12	24	24
额定转速 Rated speed RPM	4000	5000	6000	6000	8000
额定扭矩 Rated Torque mN·m	0.012	0.019	0.012	0.023	0.023
额定电流 Rated Current Amps	1.2	2.0	2.0	3.6	5.6
输出功率 Output Power Watts	5	10	8	15	25
峰值扭矩 Peak Torque mN·m	0.036	0.057	0.036	0.069	0.069
峰值电流 Peak Current Amps	2.7	4.5	6.0	10.8	16.8
力矩常数 Torque constant mN·m	0.035	0.035	0.035	0.035	0.035
反电势常数 Back EMF V/k RPM	3.37	3.27	3.37	3.37	3.47
转动惯量 Rotor inertia g·cm ²	1.5	1.5	1.5	1.5	1.5
电机长度 Body Length (L) mm	40	40	50	50	60
重量 Mass kg	0.15	0.15	0.18	0.18	0.22

订货代号 ORDER IDENTIFIER

YL36BL400405-A/B

YL36BL=36mm bldc motor 36mm直流无刷电机
40=Body Length(mm) 电机高度 (mm)

- A=单出轴 Single output shaft
- B=双出轴 Front and rear output shaft
- E=集成编码器 Within encoder

可选版本 optional

- A=单出轴 Single output shaft
- B=双出轴 Front and rear output shaft
- E=带编码器版本 Within encoder
- 丰富的编码器分辨率可选
- Rich encoder resolution options

可选配件 ACCESSORIES

Motor Controllers /
Drives电机驱动与控制器

Encoder 编码器