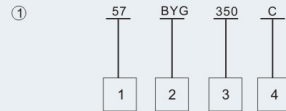
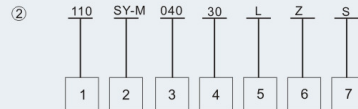


Product brief description



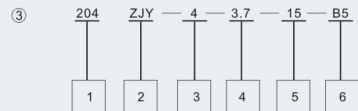
Hybrid stepper motor

- ① Shape side 57mm
- ② hybrid
- ③ 3 represents three phase.50 represent 50 teeth
- ④ represent torque type



Permanent magnet AC servo motor

- ① Shape side 110mm
- ② Permanent magnet AC servo motor
- ③ 4N.m—040 represent the torque of 4 N.m
- ④ Speed/minutes 30 represent 3000 rpm
- ⑤ with brake
- ⑥ L representative 200V, usually omit, H representative 380V
- ⑦ Z representative with Brake



Spindle servo motor

- ① Shape side 204mm
- ② Ac asynchronous spindle servo motor
- ③ Pole pair number is 4
- ④ Rated power 3.7KW
- ⑤ Rated speed 1500 rpm
- ⑥ Installation method is the flange installation (B3:Horizontal installation B5:Flange installation B35:Horizontal/Flange installation)



Servo motor specifications

Model	output power(Kw)
15A	0.2-1.0
20A	0.4-1.5
30A	0.8-2.4

Purchase Concerned :

Our company has different type motors for your reference, please purchase according to your request like torque–frequency or contact with engineer and sales for more detail information. Our company available to customize to customer's request. This catalog and parameter maybe have some difference with product color due to the printing, please kindly refer to the real product, sorry for inconvenience caused.

Notice for installation :

1. The place of installation should be no dust, corrosive gas or liquid, a void metal dust, oil, water getting into the inner motor .if have special requirements, pls add the protection device.
2. Installation spigot must be concentric with the axle load. use the flexible coupling to prevent the shaft being broken.
3. Ensure the radiation, high speed running of the motor will produce high temperature.
4. It is the inherent characteristics that the motor will produce high voltage when switched on.
5. When Motor or driver don't work, pls contact us or the distributors.

60 SY Series AC servo motor



SPARK MOTORS CO.
Excellence in Motion

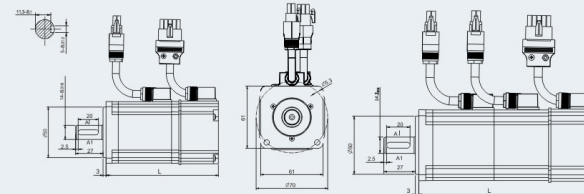
P01-02

Create perfect automation control



Temperature	0℃ -55℃
Number of pole pairs	4
Incremental encoder line	2500/5000PPR
Absolute encoder	17bit
Humidity is less than	90%
Insulation class	B
Safety Class	IP65/IP54
Insulation and voltage resistance	AC 1500V, 1 Minute
Insulation resistance	DC500V, 10 Ω above
Structure	Plastic packaging, Self-cooling
Vibration	Under 2.5G
Altitude	Under 1000m
Work system	Continuous
Installation Method	Flange installation

Installation Dimension unit=mm



Model	L (mm) Incremental encoder	LA (mm) with brake	L (mm) Absolute encoder
60SY-M00630	110	148	115
60SY-M01330	133	171	138
60SY-M01930	154	192	159

*All above is the standard installation dimension, can be changed according to the customers' requirements
*Not hit the shaft, or the encoder in the other end would be damaged.

Specifications

Motor Model	60SY-M00630	60SY-M01330	60SY-M01930
Rated Power(w)	200	400	600
Rated Current(A)	1.3	2.7	3.7
Rated Torque(N.m)	0.637	1.27	1.91
Max Torque(N.m)	1.91	3.81	5.4
Rated Speed(rpm)	3000	3000	3000
Max Speed(rpm)	3600	3600	3600
Rotor Inertia(KG.m ²)	0.264X10 ⁻⁴	0.407X10 ⁻⁴	0.526X10 ⁻⁴
Input Voltage (V)	(AC 220)		
Motor Weight (Kg)	1.18	1.70	2.10

Winding connection table

Winding wire	U	V	W	PE
Socket Number	1	2	3	4
Winding wire	PE	U	V	W
Socket Number	1	2	3	4

Brake Wiring	Brake	Brake
Socket number	1	2
Brake voltage	DC24V	

Note: Brake voltage is DC 24V (Non polar requirement)

The encoder connection table

Signal Definitions	5V	OV	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE
Socket Number	2	3	9	4	7	13	14	5	6	10	11	8	12	15	1
Absolute signal definitions	PE	GND	VB	SD-	GND 0V	SD	Vcc 5V								
Socket Number	1	2	3	4	5	6	7								