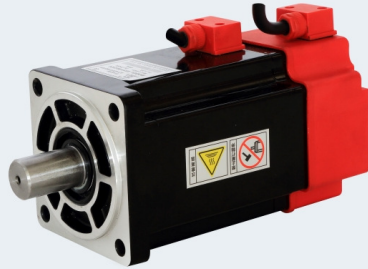
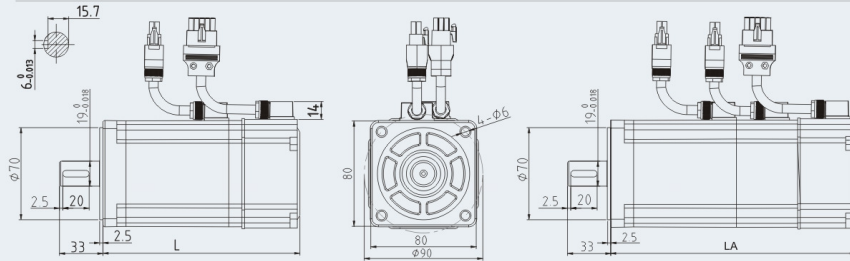


## 80 SY Series AC servo motor (Plastic plug)



Temperature	0°C -55°C
Number of pole pairs	4
Incremental encoder line	2500/5000PPR
Absolute encoder	17bit
Humidity is less than	90%
Insulation class	B
Safety Class	IP65
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)	LA(mm) with brake
80SY-M01630S	132	168
80SY-M02430S	150	186
80SY-M02425S	178	214

Note:  
\*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	80SY-M01630S	80SY-M02430S	80SY-M04025
Rated Power(w)	500	750	1000
Rated Voltage (V)	220	220	220
Rated Current(A)	2.7	3.8	4.2
Rated Speed(rpm)	3000	3000	2500
Rated Torque(N.m)	1.59	2.39	3.82
Max Torque(N.m)	4.77	7.17	11.46
Max Current(A)	8.1	11.4	12.6
Rotor Inertia(Kg.m <sup>2</sup> )	0.61*10 <sup>-4</sup>	0.86*10 <sup>-4</sup>	1.26*10 <sup>-4</sup>
Motor Weight (Kg)	2.2	3	4

### The encoder connection table

Winding wire	U	V	W	PE	Brake Wiring	Brake	Brake
Socket Number	1	2	3	4	Socket number	1	2
					Brake voltage	DC24V	

### Encoder wiring table

Signal definition	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

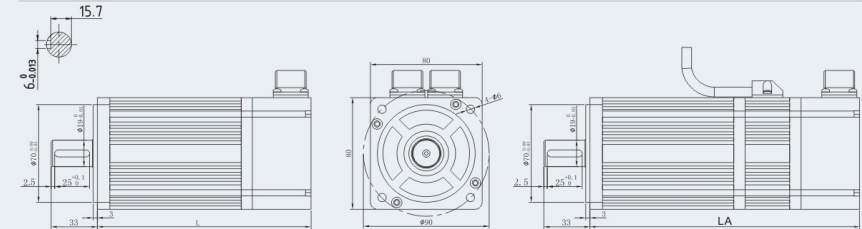
## 80 SY Series AC servo motor (Aerial plug)

P03-04  
Create perfect automation control



Temperature	0°C -55°C
Number of pole pairs	4
Incremental encoder line	2500/5000PPR
Absolute encoder	17bit
Humidity is less than	90%
Insulation class	B
Safety Class	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)	LA(mm) with brake
80SY-M01330	123	163
80SY-M02430	158	198
80SY-M04025	180	220

Note:  
\*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	80SY-M01330	80SY-M02430	80SY-M04025
Rated Power(W)	400	750	1000
Rated Torque(N.m)	1.3	2.4	4
Max Torque(N.m)	4.8	7.2	10
Rated Current(A)	2.2	3.5	4.2
Rated Voltage (V)	220	220	220
Rated Speed(rpm)	3000	3000	2500
Max Speed(rpm)	3600	3600	3000
Rotor Inertia(Kg.m <sup>2</sup> )	1.22X10 <sup>-4</sup>	2.4X10 <sup>-4</sup>	3.45X10 <sup>-4</sup>
Motor Weight (Kg)	2	2.85	3.8

### The encoder connection table

Winding wire	U	V	W	PE	Brake Wiring	Brake	Brake
Socket Number	2	3	4	1	Socket number	1	2
					Brake voltage	DC24V	

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

### Encoder wiring table

Signal definition	5V	OV	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE
Socket Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1