

# 180 SY Series AC servo motor



P09-10  
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	IP65
Insulation and voltage resistance	AC 1500V, 1 Minute
Insulation resistance	DC500V, 10M above
Vibration	Under 2.5G
Altitude	Under 1000m
Work system	Continuous
Installation Method	Flange installation

## Specifications

Motor Model	180SY-M17015	180SY-M17015-H	180SY-M27015	180SY-M27015-H	180SY-M35015	180SY-M35015-H
Rated Power(Kw)	2.7	2.7	4.3	4.3	5.5	5.5
Rated Current(A)	10.5	6.5	16	10	19	12
Rated Voltage (V)	220	380	220	380	220	380
Rated Torque(N.m)	17	17	27	27	35	35
Max Torque(N.m)	34	34	67	67	70	70
Rated Speed(rpm)	1500	1500	1500	1500	1500	1500
Max Speed(rpm)	1800	1800	1800	1800	1800	1800
Rotor Inertia(Kg.m <sup>2</sup> )	3.4x10 <sup>-3</sup>	3.4x10 <sup>-3</sup>	6.1x10 <sup>-3</sup>	6.1x10 <sup>-3</sup>	8.6x10 <sup>-3</sup>	8.6x10 <sup>-3</sup>
Motor Weight (Kg)	19.5	19.5	25.5	25.5	30.5	30.5

## The encoder connection table

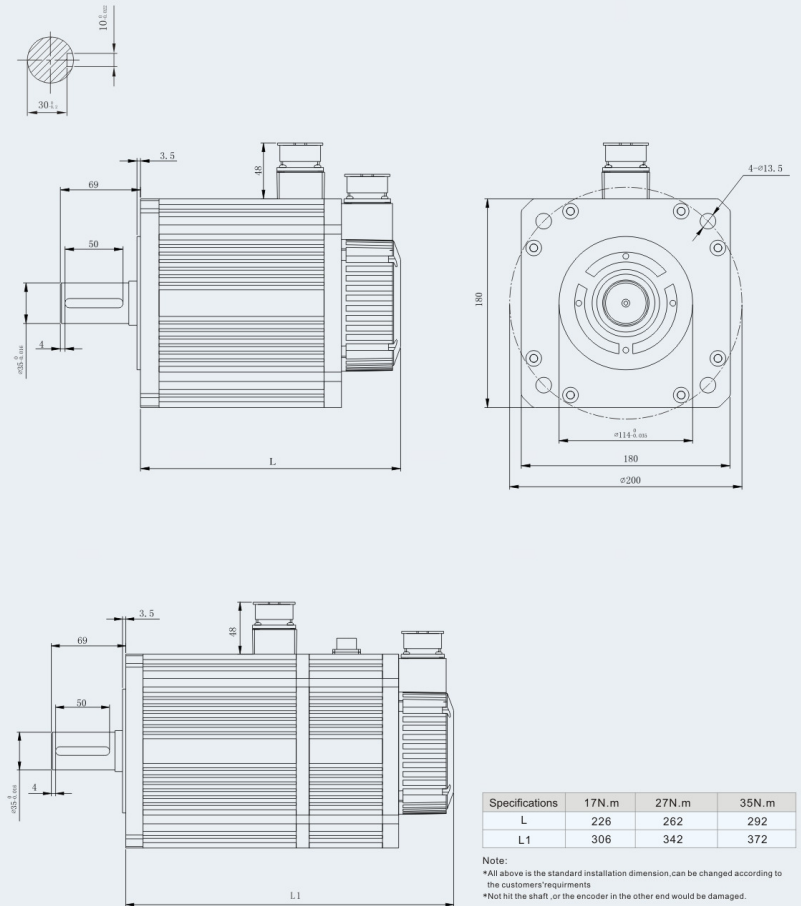
Winding wire	U	V	W	PE	Brake Wiring	Brake	Brake
Socket Number	2	3	4	1	Socket number	1	2
					Brake voltage	DC24V	

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

## Installation size chart unit:mm



Specifications	17N.m	27N.m	35N.m
L	226	262	292
L1	306	342	372

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.