



Three-phase Hybrid Stepping Motors 60 (S) Series

High Speed, High Torque, Low noise, Low vibration



- Insulation Resistance — 500VDC 100M Ω Min
- Axial Clearance — 1mm Max
- Radial Run-out — 0.02mm Max
- Temperature Rise — 65K Max
- Insulation Strength — 550VAC 1Min
- Insulation Grade — B 级
- Ambient Temperature — -25 $^{\circ}$ C ~ +40 $^{\circ}$ C
- Ambient Humidity — <85%RH
- Storage Temperature — -5 $^{\circ}$ C ~ +30 $^{\circ}$ C
- Storage Humidity — <75%RH

Technical Specifications

Product Codes	Motor Model	Phase	Step Angle ($^{\circ}$)	Quiescent Current (A)	Phase Resistance (Ω)	Phase Inductance (mH)	Phase Torque (N·m)	Holding Torque (N·m)	Detent Torque (N·m)	Voltage (VDC)	Weight (Kg)	Rotational Inertia (g·cm 2)
062502	60BYG350CLS-SASSML-0562	3	1.2	5.6	0.7	1.1	0.9	0.04	24~70	0.8	300	
062535	60BYG350DLS-SASSML-0582	3	1.2	5.8	0.68	1.36	1.5	0.07	24~70	1.3	480	

Adapter Driver:

SH-30806 SH-30806N SD-30807

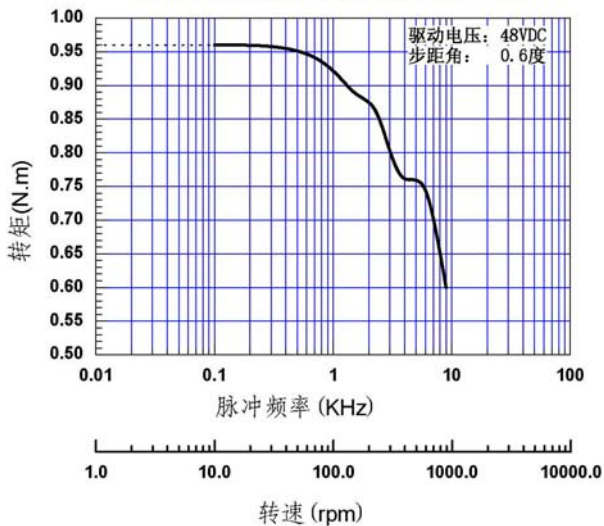
Model Description

60 BYG 3 50 C L S - S A S S M L-056 2

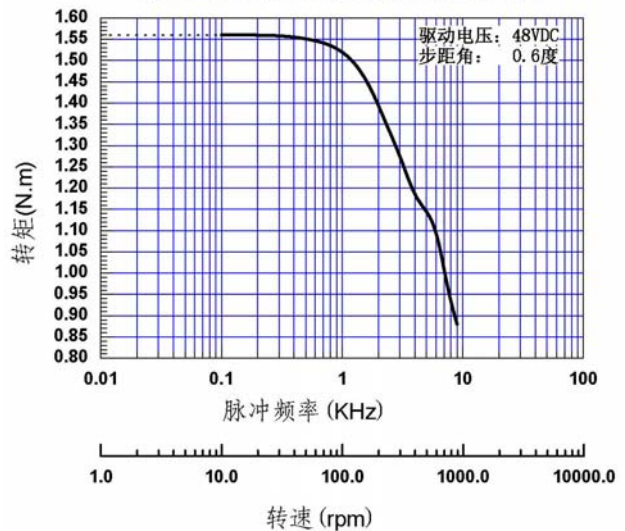
Design Code			
Phase Current	056: 5.6A	058: 5.8A	060: 6A
Wiring	L: outlet three-phase, three-wire	A: aviation plug	
measurement	M: Metric	B: British System	H: Special Size
Form	S: square		R: round
Shaft Key Form	K: flat key		S: axis
Shaft Extension	A: standard		B: longer
Shaft Extension Form	S: single		B: double
Design Version	Default: the first version		
Voltage	L: low voltage		H: high voltage
Machine Length			
Rotor Teeth	50: 50 teeth		
Phase	3: three-phase		
Structural Style	BYG: hybrid		
Frame Size			

Frequency-torque Characteristics

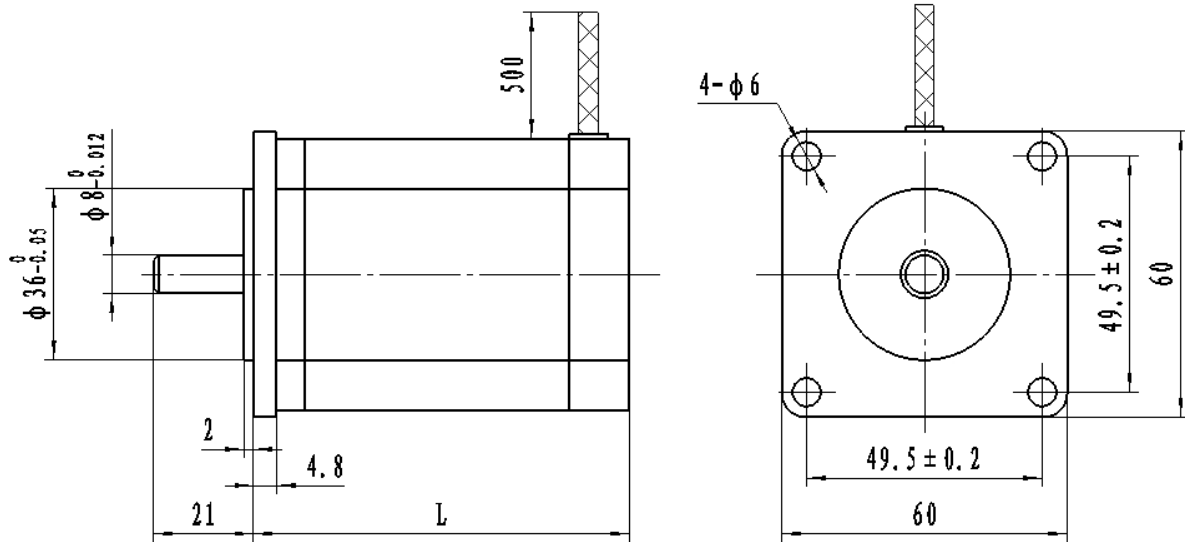
60BYG350CLS-SASSML-0562



60BYG350DLS-SASSML-0582



Dimension [Unit: mm]



	60BYG350CLS-SASSML	60BYG350DLS-SASSML
L	56	79

Wiring Instructions

Lead Wire	black	brown	blue
Motor wire	U	V	W

Note:

Be sure to use the motor front cover to install front edge for positioning when installing the drive, and note tolerances. Strictly ensure concentricity of the motor shaft and load shaft.

When the motor and drive connects, the wiring sequence of U, V, W three wires is not required.



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