

60HS Series 2 Phase Hybrid closed loop Stepper Motors

General Specifications

Item	Specification
Step Angle Accuracy	± 5% (whole step)
Resistance Accuracy	± 10% (20°C)
Inductance Accuracy	± 20% (1KHZ)
Temperature Rise	80°C max (Rated current, 2-phase power)
Ambient Temperature	-20°C ~ +50°C
Insulation Resistance	100M Ω Min 500 VDC
Dielectric Strength	500V AC 1 minute
Allowable Radial Load	0.02mm Max (450g load)
Allowable Thrust Load	0.08mm Max (450g load)
Radial maximum load	75N (From the flange surface 20mm)
Axial maximum load	15N



CE RoHS

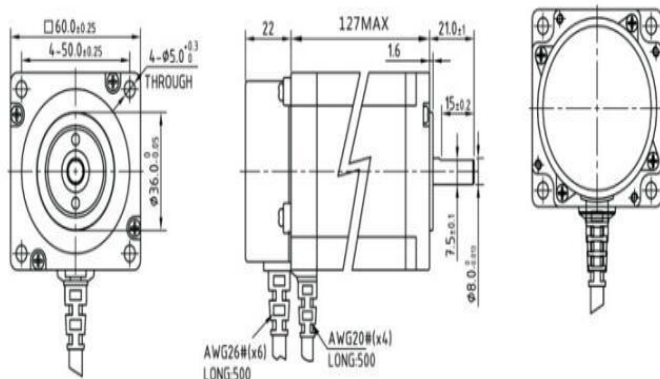
Specifications

Model	Step angle (°)	Motor length (mm)	Holding torque (N.M)	Current (A/phase)	Rotor inertia (g.cm ²)	NO of encoder lines (PPR)	Weight (kg)
LC60H278	1.8	69+22	2.3	4.0	570	1000	1.0
LC60H286	1.8	86+22	3.0	4.5	620	1000	1.45
LC602102	1.8	102+22	4.5	5.0	1000	1000	1.87
LC60H2112	1.8	112+22	4.8	5.8	1200	1000	2.1
LC60H2127	1.8	127+22	5.5	5.8	1370	1000	2.45

Dimensions:

Motor Shaft :

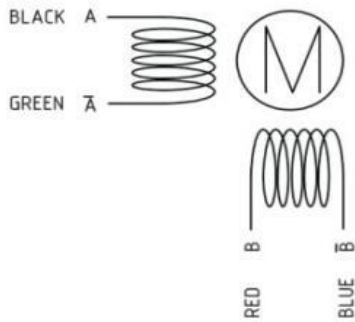
DIMENSIONS unit=mm



Item	Shaft (mm)	Axis stretch (mm)	Axis length (mm)
LC60H269	8.0	Terrace0.5x15	21
LC60H286	8.0	Terrace0.5x15	21
LC602102	8.0	Terrace0.5x15	21
LC60H2112	8.0	Terrace0.5x15	21
LC60H2127	10.0	Flay key 3x16	35

Notes: 60 mm diameter motor which open hole we have 47.14mm sizes specifications, if you need confirm with us .

Motor Wiring Diagram:

MOTOR CONNECTIONS


Encoder Cotrol

1	Black	EGND
2	Red	+5VCC
3	Blue/ white	EA-
4	Blue	EA+
5	Orange/ White	EB-
6	Orange	EB+

Note:

1. Do not connect the motor to the driver.
2. Due to different driving conditions, the motor may have a significant fever situation.
The surface temperature of the motor is allowed to exceed 85 ° C during operation.
3. When installing the motor, be sure to use the front end cover of the motor to install the nozzle only, and pay attention to the tolerance, to ensure the concentricity between the motor shaft and the load.