PRODUCT DATASHEET

ES-ST-34H2060-300-4BL

Hybrid Stepper Motors

Hybrid Stepper Motors | 86 mm Hybrid Stepper Motor Series - ES-ST-HY08

Product Overview

Hybrid Stepper Motors with holding Torque 3 N·m, continuous Rated Current 3 A and step Angle 1.8 °.

Key Specifications

PARAMETER	VALUE	UNIT
Holding Torque	3	N·m
Continuous Rated Current	3	A
Step Angle	1.8	°
Body Length	60.5	mm
Weight	1.6	kg
Temperature Rise	80	°C
Number of Phases	2	
Phase Resistance	1 ±10%	Ω
Insulation Class	B	

Technical Specifications

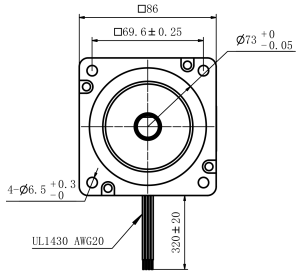
PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Holding Torque	3	N·m	
ELECTRICAL			
Continuous Rated Current	3	A	
Step Angle	1.8	°	
Temperature Rise	80	°C	
Number of Phases	2		
Phase Resistance	1 ±10%	Ω	Measurement: 20 °C
Phase Inductance	6 ±20%	mH	Measurement: 1 V, 1 kHz
Insulation Class	B		
Insulation Resistance	100 (500 VDC)	MΩ	
MECHANICAL			
Body Length	60.5	mm	
Weight	1.6	kg	

Dimensional & Integration Overview

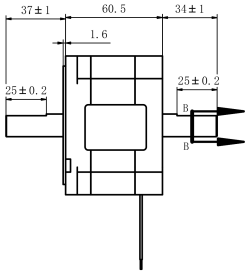
Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	60.5	mm
Weight	1.6	kg

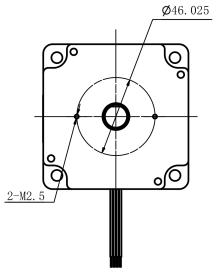
Dimensional Drawings



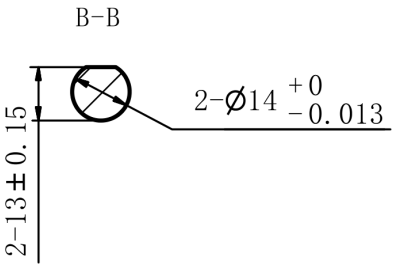
Mechanical View 1



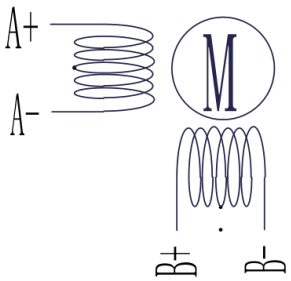
Mechanical View 2



Mechanical View 3



Mechanical View 4



Mechanical View 5

2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Square Flange Outer Side Length	86 mm
	Square Flange Center Boss Side Length	69.6 ±0.25 mm
	Output Shaft Diameter	Φ73 +0/-0.05 mm
	Mounting Hole Diameter and Quantity	4 holes, Φ6.5 +0.3/-0 mm
Mechanical View 2	Overall length	37±1
	Center section length	60.5
	Right section length	34±1
	Mounting boss depth	1.6
	Right mounting distance	25±0.2
	Left mounting distance	
	Datum B (upper)	Datum B
	Datum B (lower)	
Mechanical View 3	Flange center hole diameter	Φ46.025
	Mounting threaded hole specification	2× M2.5 threaded holes
Mechanical View 4	Section View Label	B-B
	Mounting Hole Diameter with Tolerance	2-Ø14 +0/-0.013
	Mounting Hole Spacing	2-13±0.15

View Product Online Request Engineering Data Request a Quote

01 Specifications are subject to change without notice. Verify the current product configuration before final design release.

02 2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.