

PRODUCT DATASHEET

ES-ST-34HS2076-4D-300

Hollow Shaft Stepper Motors

Hollow Shaft Stepper Motors | 86 mm Hollow-Shaft Stepper Motor Series - ES-ST-HS08

Product Overview

Hollow Shaft Stepper Motors with continuous Rated Current 3 A RMS, step Angle 1.8 ° and body Length 76 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Continuous Rated Current	3	A RMS
Step Angle	1.8	°
Body Length	76	mm
Motor Construction Type	Hollow Shaft Stepper Motor	
Frame Size	86	mm
Lead Wire Configuration	Bipolar, 4 flying leads	
Lead Wire Count	4	
NEMA Size	34	
Phase Count	2	

Technical Specifications

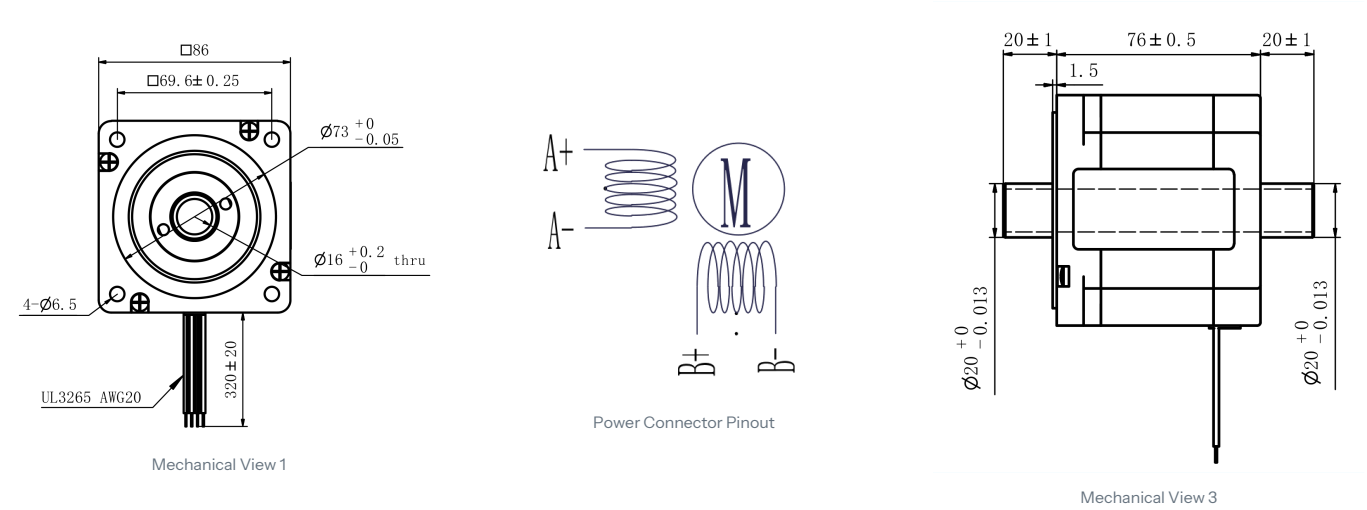
PARAMETER	SPECIFICATION	UNIT	NOTES
ELECTRICAL			
Continuous Rated Current	3	A RMS	Measurement Basis: rms
Step Angle	1.8	°	
Lead Wire Configuration	Bipolar, 4 flying leads		
Lead Wire Count	4		
Phase Count	2		
MECHANICAL			
Body Length	76	mm	
Frame Size	86	mm	
Shaft Configuration	Double shaft		
NEMA Size	34		
CONFIGURATION			
Motor Construction Type	Hollow Shaft Stepper Motor		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Body Length	76	mm
Frame Size	86	mm
Shaft Configuration	Double shaft	
NEMA Size	34	

Dimensional Drawings



2D Drawing Dimensions & Callouts

VIEW	FIELD	VALUE
Mechanical View 1	Square flange outer dimension	86×86 mm square
	Mounting hole pitch (square flange)	69.6±0.25 mm square pitch
	Output shaft diameter	Ø73 +0/-0.05 mm
	Mounting hole diameter (4 places)	4×Ø6.5 mm
	Lead wire specification - Standard	UL3265
	Lead wire specification - Wire gauge	AWG20
Mechanical View 3	Left mounting flange width	20±1 mm
	Motor body width	76±0.5 mm
	Right mounting flange width	20±1 mm
	Internal feature or step depth	1.5 mm
	Left output shaft diameter with tolerance	Φ20 +0/-0.013 mm
	Right output shaft diameter with tolerance	

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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.