

HT17-270

NEMA 17 High Torque Step Motor

1pc. - 41.00
50pc. - 30.75



Product Features

- 2-phase hybrid step motor
- High torque design
- Standard NEMA 17 dimensions
- Series or parallel wiring



Description

Product Description:





The HT17-270 two-phase stepper motor is suitable for a wide range of motion control applications. Terminated with 8 motor leads, the motor can be connected in a few different ways, including bipolar series and bipolar parallel.

Specifications

Part Number:	HT17-270
Frame Size:	NEMA 17
Motor Type:	High torque
Part Number w/Double Shaft:	HT17-270D
Part Number w/Encoder:	HT17-270D-WAA
Motor Length:	1.35 inches
Number of Lead Wires:	8
Lead Wire Configuration:	flying leads, no connector
Lead Wire/Cable Length:	12 inches inches
Lead Wire Gauge:	26 AWG
Unipolar Holding Torque:	24.0 oz-in
Bipolar Holding Torque:	34.0 oz-in
Step Angle:	1.8 deg
Bipolar Series Current:	0.22 A/phase
Bipolar Series Resistance:	74.0 Ohms/phase
Bipolar Series Inductance:	88.0 mH/phase
Bipolar Parallel Current:	0.44 A/phase
Bipolar Parallel Resistance:	18.5 Ohms/phase
Bipolar Parallel Inductance:	22.0 mH/phase
Unipolar Current:	0.31 A/phase
Unipolar Resistance:	37.0 Ohms/phase
Unipolar Inductance:	22.0 mH/phase
Rotor Inertia:	7.6E-04 oz-in-sec ²
Integral Gearhead:	No
Weight:	0.5 lbs
Storage Temperature:	-30 to 70 °C

Operating Temperature:	-20 to 50 °C
Insulation Class:	Class B (130 °C)
Shaft Run Out:	0.001 inch T.I.R. max
Radial Play:	0.0008 inch max w/ 1.1 lb load
End Play:	0.003 inch max w/ 1.1 lb load
Perpendicularity:	0.004 inches
Concentricity:	0.002 inches

Downloads

Family Datasheet:	 StepMotorWiring-8-lead-striped.pdf
Datasheet:	http://s3.amazonaws.com/applied-motion-pdf/HT17-270.pdf
2D Drawing:	 HT17-270_RevC.pdf
3D Drawing:	 17HT33D.igs  HT17_34mm_wWAA_encoder.igs

Pricing

	HT17-270 Part No. w/ Single Shaft	HT17-270D Part No. w/ Double Shaft	HT17-270D-WAA Part No. w/ Encoder
1pc.	\$41.00	\$41.00	\$167.00
25pc.	\$35.26	\$35.26	\$143.62
50pc.	\$30.75	\$30.75	\$125.25
100pc.	Request a Quote for 100+ piece pricing.		