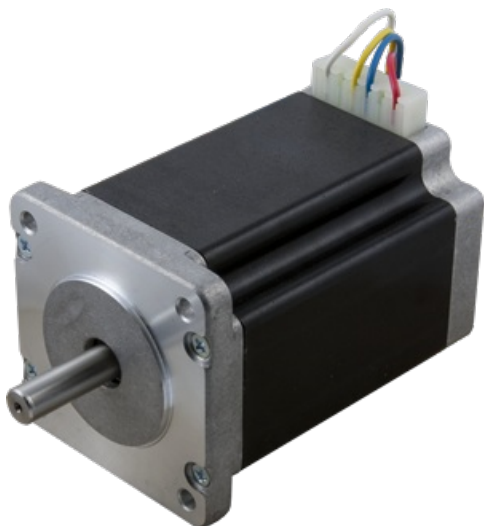


HT24-106

NEMA 24 High Torque Step Motor



Product Features

- **Close-out sale in progress (double shaft version only)**
- **Limited quantity in stock**
- 2-phase hybrid step motor
- High torque design
- Modified NEMA 23 dimensions
- 8 mm diameter output shaft

Description

Product Description:

The HT24-106D stepper motor with double shaft (**see Note below**) is a two-phase hybrid step motor with a NEMA 24 frame size. The motor is no longer in production (and normally listed as archived on our website) but is being offered in a closeout sale to clear our inventory. Once the remaining inventory of this motor is depleted the motor will revert to being listed as archived on our website and will no longer be available for purchase. This makes the motor a good choice for one-time applications, research & development work, and hobbyist projects.

Note: Only the double-shaft version of this motor, part number HT24-106D, is available for purchase in the closeout sale. No single-shaft version is available. All sales are final.

- This motor is terminated with 4 motor leads for use with bipolar stepper drives.
- **Note:** This motor is not recommended for new applications. Please use the [HT24-108](#) instead.

Specifications

Part Number:	HT24-106
Frame Size:	NEMA 24
Motor Type:	High torque
Part Number w/Double Shaft:	HT24-106D
Motor Length:	3.35 inches
Number of Lead Wires:	4
Lead Wire Configuration:	flying leads, no connector
Lead Wire/Cable Length:	12 inches inches
Lead Wire Gauge:	22 AWG
Bipolar Holding Torque:	382 oz-in
Step Angle:	1.8 deg
Bipolar Parallel Current:	2.8 A/phase
Bipolar Parallel Resistance:	1.49 Ohms/phase
Bipolar Parallel Inductance:	6.5 mH/phase
Rotor Inertia:	1.27E-02 oz-in-sec ²
Integral Gearhead:	No
Weight:	3.0 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:	0.001 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

Datasheet:	 StepMotorWiring-4-lead.pdf
Product PDF - S3 Link:	http://s3.amazonaws.com/applied-motion-pdf/HT24-106.pdf
2D Drawing:	 HT24-106_RevF.pdf  HT24-106D_3D.pdf
3D Drawing:	 HT24-106D.igs

Products in the Series *HT24 Step Motors*

Part Number	Frame Size	Length	Holding Torque	Series Current	Parallel Current	Rotor Inertia
HT24-100	NEMA 24	1.73	123	NA	2.80	3.68E-03
HT24-105	NEMA 24	2.13	177	NA	4.00	6.37E-03
HT24-106	NEMA 24	3.35	382	NA	2.8	1.27E-02
HT24-108	NEMA 24	3.35	354	NA	4.00	1.27E-02