

11Y Series - High Torque Stepper Motors

FEATURES

- **NEMA 11 Frame Size**
- **1.8° Step Angle**
- **High Torque - Up To 17 oz-in**
- **High Step Accuracy and Resolution**
- **Low Vibration and Noise**
- **Can be Customized for**
 - **Winding Current**
 - **Shaft Options**
 - **Cables and Connectors**
- **CE Certified and RoHS Compliant**



DESCRIPTION

The 11Y Series High Torque Step Motors come in a small package with high torque density. These motors offer a great value without sacrificing quality. These motors were designed to offer the highest possible torque while minimizing vibration and audible noise. A board line of motor windings and stack lengths are available off-the-shelf, or the motors can be customized to fit your machine requirements. The standard 4 lead wire motors can be connected to allow the flexibility for your voltage, current, and maximum operating speed. [See Accessories on our website for optional motor adders such as encoders, cables, and connectors.](#) [See compatible drivers for the 11Y Series: MBC15081, MBC02581TB](#)

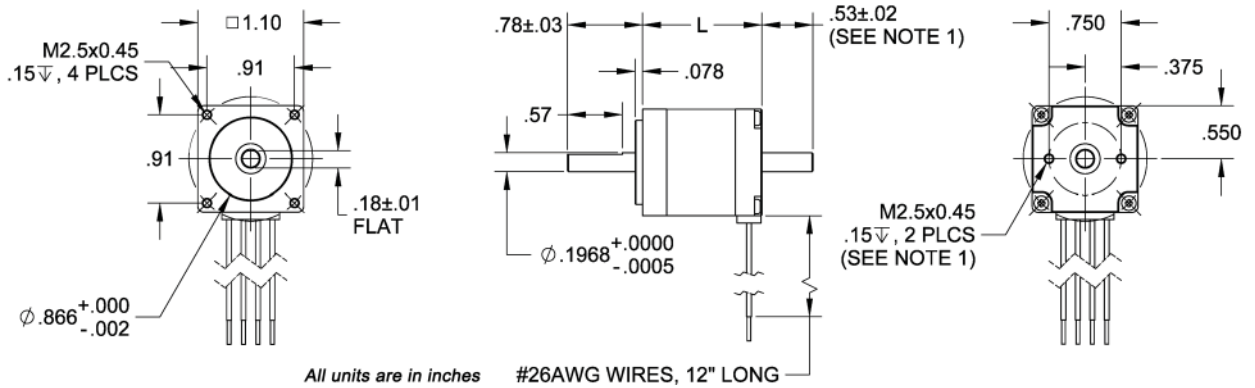
SPECIFICATIONS

Model #	NEMA Size	Bipolar Torque (oz-in)	Bipolar Current (A)	Series Inductance (mH)	Rotor Inertia (oz-in-sec ²)	Shaft Diameter (in)	# of Lead Wires	Weight (lbs)	"L" Length (in)
11Y102S-LW4	11	8.3	0.67	4.0	0.00013	0.197	4	0.24	1.25
11Y202S-LW4	11	13.2	0.67	5.0	0.00017	0.197	4	0.31	1.75
11Y302S-LW4	11	16.7	0.67	7.0	0.00025	0.197	4	0.44	2.00

Notes: The 7th character "S" denotes a single shaft, use "D" for double shaft. Double shafts include encoder mounting provisions. Custom leadwires, cables, connectors, shaft options, and windings are available upon request.

L010169

DIMENSIONS



Note 1: Dual Shaft option only

WIRING INFORMATION

