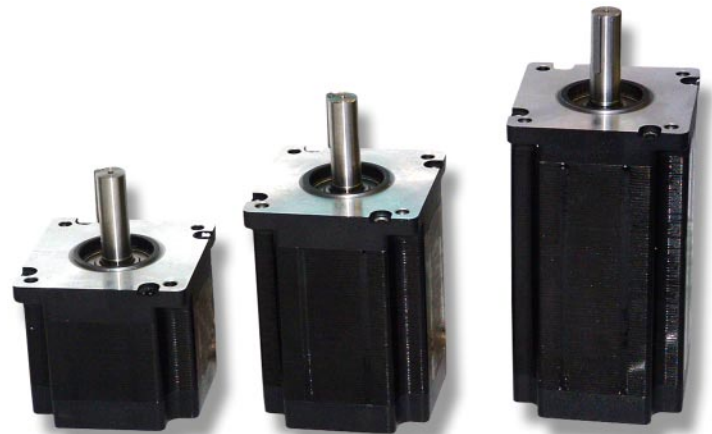


42Y Series - High Torque Step Motors



FEATURES

- NEMA 42 Frame Size
- 1.8° Step Angle
- High Torque - Up to 4036 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 42Y Series High Torque Step 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 broad 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 8-lead motors can be connected in all possible configurations: series, unipolar, or parallel, to allow the maximum flexibility for your application. Anaheim Automation can also customize the winding to perfectly match your voltage, current, and maximum operating speed.

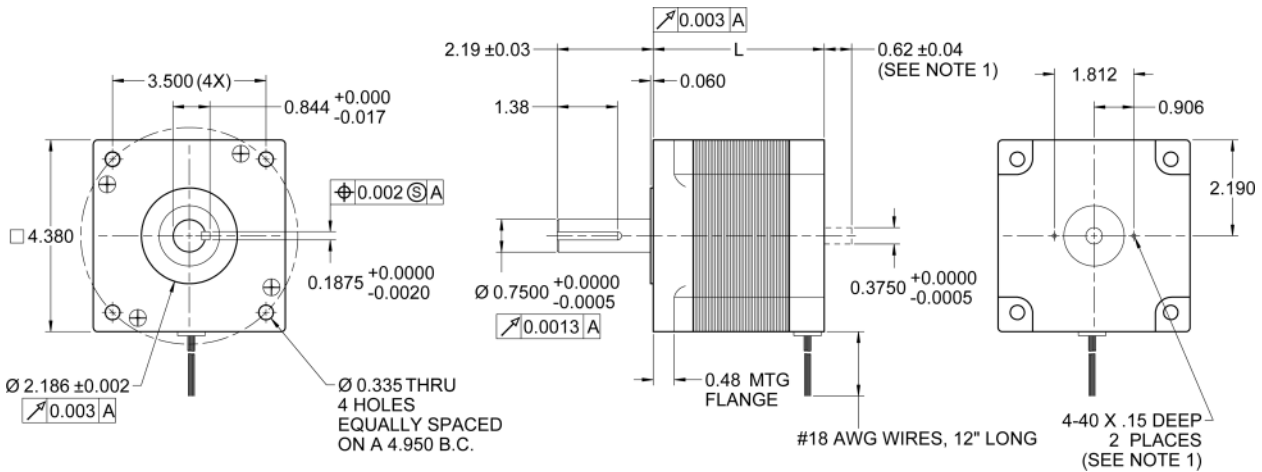
See Accessories on website for optional motor adders such as encoders, brakes, cables, and connectors. For gearbox options, see Gearboxes. For compatible drivers consider MBC10641, MBC082561, MBC12101, MLA10641 and Driver Packs.

SPECIFICATIONS

Model #	NEMA Size	Bipolar Torque (oz-in)	Series Current (A)	Unipolar Current (A)	Parallel Current (A)	Unipolar Inductance (mH)	Rotor Inertia (oz-in-sec ²)	Shaft Diameter (in)	# of Lead Wires	Weight (lbs)	L Length (in)
42Y012S-LW8	42	1625	4.25	6.0	8.5	4.2	0.071	0.75	8	11.0	3.9
42Y112S-LW8	42	1700	4.25	6.0	8.5	2.9	0.102	0.75	8	13.5	4.5
42Y212S-LW8	42	2974	4.25	6.0	8.5	10.5	0.154	0.75	8	18.5	5.9
42Y312S-LW8	42	4036	4.25	6.0	8.5	12.0	0.229	0.75	8	26.0	7.9

Notes: LW8 is for 8 leadwires, other leadwire options are available. All Shafts have keyways unless otherwise noted. The 7th character "S" denotes a single shaft, use "D" for double shaft. Double shafts include encoder mounting provisions. Custom leadwires, cables, connectors, and windings are available upon request.

L010180



* All units are in inches

Note 1: On dual shaft models 42YXXXD-LWX.

PART NUMBER	"L" DIMENSION
42Y0XXX-LWX	3.900
42Y1XXX-LWX	4.527
42Y2XXX-LWX	5.905
42Y3XXX-LWX	7.913

