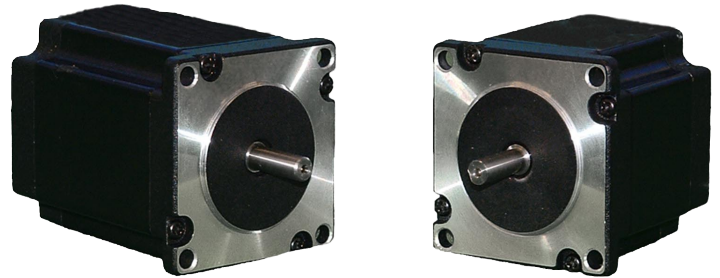


# 23Y65 Series - Sealed High Torque Stepper Motors



## FEATURES

- NEMA 23 Frame Size
- Splashproof IP65 Sealed Stepper Motor
- 1.8° Step Angle
- High Torque - Up to 262 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 23Y65 Series High Torque Stepper Motors are designed to withstand splashdown, humid or damp environments, and water sprayback conditions. The IP65 sealed properties ensure that moisture be kept out of the motors internal windings. In addition, these motors provide the highest possible torque available in a sealed size 23 stepper. The 23Y65 series is an excellent choice for lab automation, biotech, and semiconductor automation equipment, just to name a few. Customized options are also available upon request.

**See Accessories on our website for optional motor adders such as encoders, brakes, cables and connectors. For gearbox options, see GBPH Gearboxes. For compatible drivers, consider MBC15081, MBC25081TB, and MBC05641, and DPE or DPY Driver Packs.**

## SPECIFICATIONS

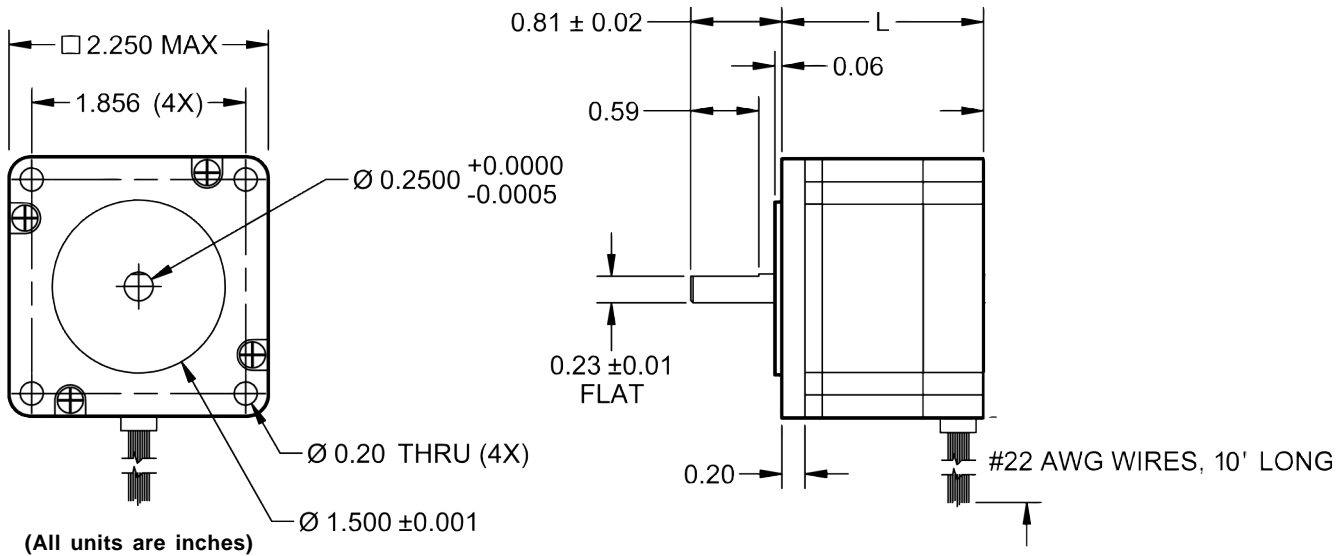
Model #	NEMA Size	Bipolar Torque (oz-in)	Bipolar Current (A)	Bipolar Resistance (ohm)	Bipolar Inductance (mH)	Rotor Inertia (oz-in-sec <sup>2</sup> )	Shaft Diameter (in)	# of Lead Wires	Weight (lbs)	L Length (in)
23Y65106S-LW4	23	175	2.1	0.375	4.4	0.0042	0.25	4	1.55	2.21
23Y65206S-LW4	23	262	2.1	0.500	6.4	0.0068	0.25	4	2.21	3.00

**\*Overstock item:** Limited-time discount

Note: Other speed options, custom leadwires, cables, connectors, and windings are available upon request.

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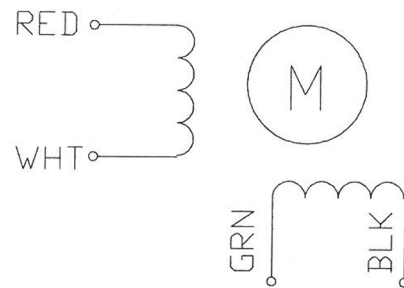
# L010355 - 23Y65 Series Product Sheet



DIMENSIONS

## Wiring Diagram:

Connection	Lead Wire Connection	Lead Wire Color
4 - Lead Bipolar Series MBC or MLP Series	Phase 1 (A)	Red
	Phase 3 (A)	White
	Phase 2 (B)	Green
	Phase 4 (B)	Black



WIRING INFORMATION

Step Angle Accuracy:	+/- 5% (Full Step, No Load)	Insulation Resistance:	100M Ohm Min, 500VDC
Resistance Accuracy:	+/- 10%	Dielectric Strength:	500VDC for one minute
Inductance Accuracy:	+/- 20%	Radial Play:	0.02" at 1.0 lbs
Temperature Rise:	80° C Max (2 Phases On)	End Play:	0.08" at 1.0 lbs
Ambient Temperature:	-20° to +50° C	Max Radial Force:	16.9 lbs (0.79" from flange)
Insulation Type:	Class B	Max Axial Force:	3.4 lbs-Force

SPECIFICATIONS