LIN ENGINEERING
MOTOR SPECIALISTS IN MOTION
A MOONS' COMPANY

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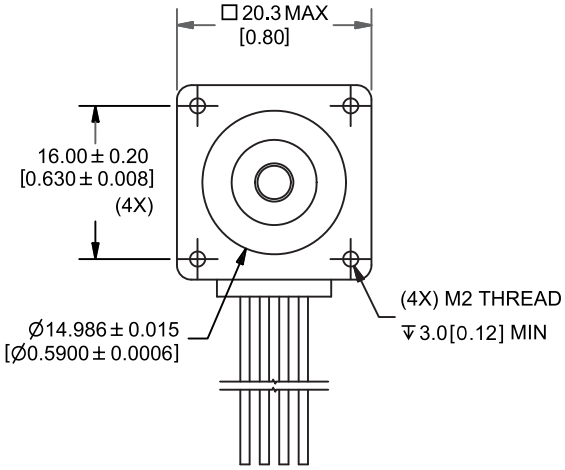
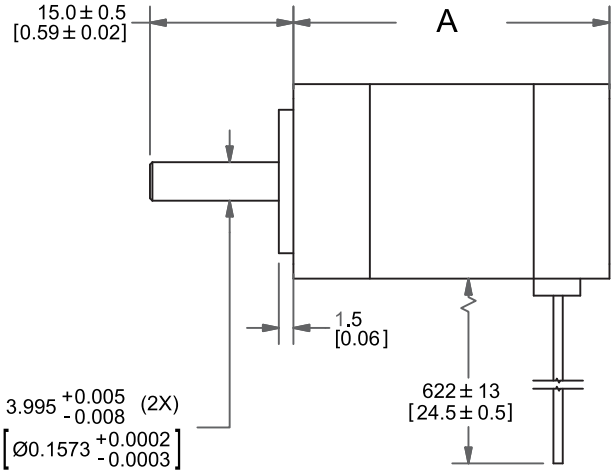
MOTOR SPECIFICATIONS

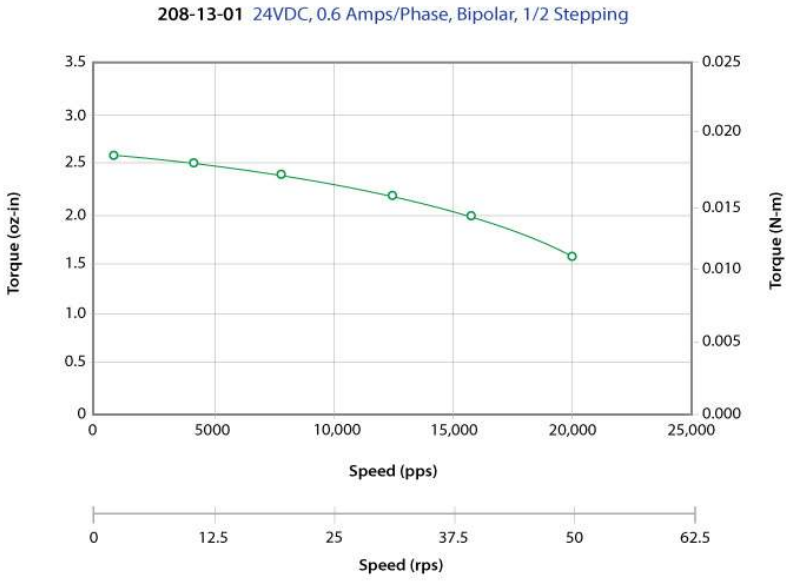
Part Number	**WO-208-13-01**
Step Angle	1.8°
Frame Size	NEMA 8
Body Length (Dim. A)	1.3 in (33 mm)
Current	0.6 Amps/Phase
Holding Torque	3 oz-in (0.02 Nm)
Resistance	6.5 Ohms/Phase
Rotor Inertia	0.01 oz-in^2
Number of Leads	4
Connection	Bipolar
Weight	0.13 lbs (0.06 kg)

DIMENSIONS





PERFORMANCE CURVE



OPERATING SPECIFICATIONS

Radial Play	0.001” max @ 1 lbs load
End Play	0.003” max @ 2 lbs load
Shaft Run Out	0.002” TIR
Concentricity of Mounting Pilot to Shaft	0.003” TIR
Perpendicularity of Shaft to Mounting Face	0.003” TIR
Max Axial Load	0.45 lbs
Maximum Case Temperature	60 C
Ambient Temperature	-20° to 50° C
Storage Temperature	-20° to 100° C
Humidity Range	85% or less, non-condensing
Magnet Wire Insulation	Class B 130° C
Insulation Resistance	100MΩ at 500 VDC
Dielectric Strength	500 VAC for 1 minute

WIRING TABLE

COLOR	FUNCTION
Red	A+ Phase
Blue	A- Phase
Green	B + Phase
Black	B- Phase

OPERATION & USAGE TIPS

Do not disassemble motors; a significant reduction in motor performance will occur.

Do not machine shafts; this will have a negative effect on shaft run out and perpendicularity.

Do not disconnect motor from drive while in operation.

Do not use holding torque/detent torque of motor as a fail safe brake.

Do not hold motor by lead wires.

Do not exceed the rated current; this wil burn the motor.

FAILURE TO COMPLY WITH THESE RECOMMENDATIONS WILL VOID ALL WARRANTY TERMS

RECOMMENDED

Microstepping Driver
R208

Single Axis Controller + Driver
R256-RO