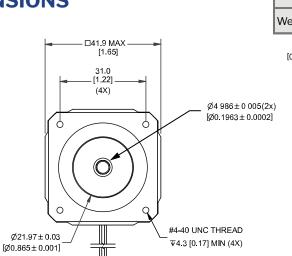
www.linengineering.com

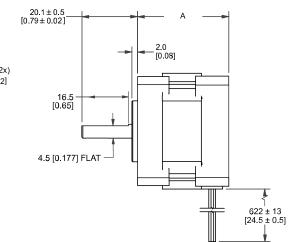




## **DIMENSIONS**

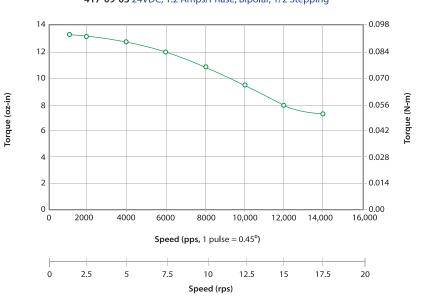


Part Number	W0-417-09-03
Step Angle	0.9°
Frame Size	NEMA 17
Body Length (Dim. A)	0.93 in (23.6 mm)
Current	1.2 Amps/Phase
Holding Torque	12 oz-in (0.08 Nm)
Resistance	3 Ohms/Phase
Rotor Inertia	0.05 oz-in <sup>2</sup>
Number of Leads	4
Connection	Bipolar
Weight	0.3 lbs (0.14 kg)



## **PERFORMANCE CURVE**

**417-09-03** 24VDC, 1.2 Amps/Phase, Bipolar, 1/2 Stepping



#### **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	6 lbs
Maximum Case Temperature	80 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.



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 will burn the motor

 ${\sf FAILURE\ TO\ COMPLY\ WITH\ THESE\ RECOMMENDATIONS\ WILL\ VOID\ ALL\ WARRANTY\ TERMS}$ 

### **RECOMMENDED**



Microstepping Driver



Single Axis Controller + Driver **R256-RO** 

# Motion Control, Solved.

**MOTOR ENGINEERING & MANUFACTURING** 







Small Batch to OEM Volume Production

