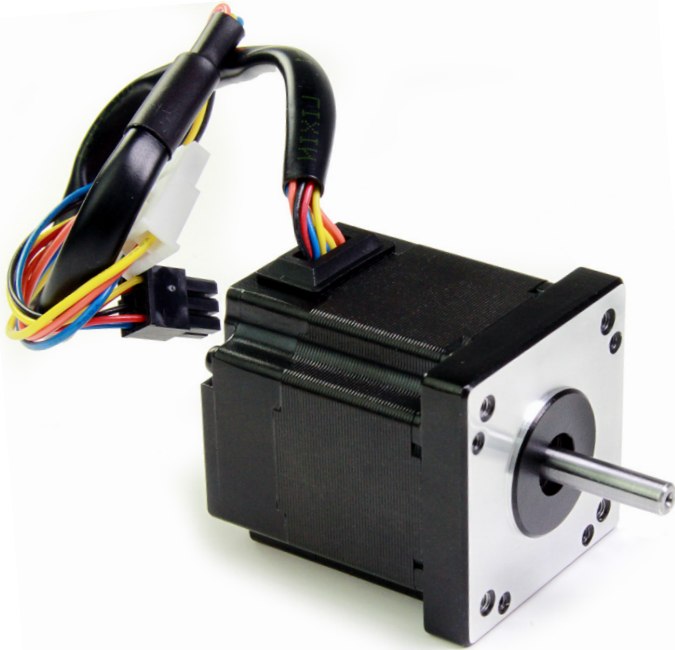
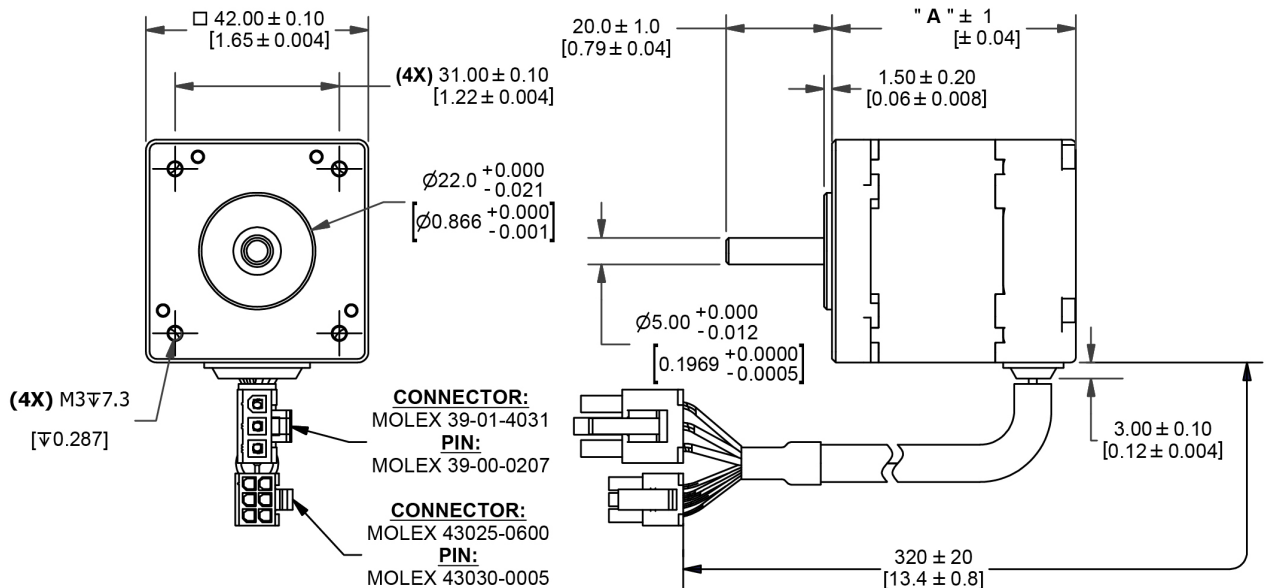


## MOTOR SPECIFICATIONS

Part Number	<b>BL17E40-01-RO</b>
Dimension "A" Max	3.98 in [101mm]
Rated Voltage	24 VDC
Rated Torque	30.45 oz-in [0.215N-m]
Rated Speed	4000 RPM
Rated Power	90 Watts
Rated Current	4.92 Amps
Peak Torque	60.9 oz-in [0.43N-m]
Peak Current	9.84 Amps
Torque Constant (kt)	6.23 oz-in/Amp
Back EMF Constant (Ke)	4.23 Vp/KRPM
Motor Constant (Km)	9.85 oz-in/ $\sqrt{W}$ [0.070 N-m/ $\sqrt{W}$ ]
Resistance	0.4 Ohms
Inductance	0.37 mH
Rotor Inertia	0.79 oz-in <sup>2</sup>
Weight	1.83 lb [0.83 kg]
Electrical Time Constant	0.9 ms
Mechanical Time Constant	3.2 ms

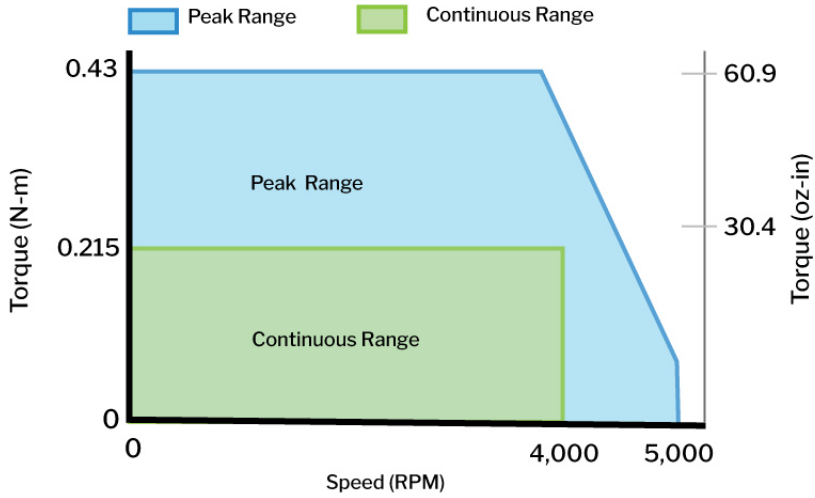


## DIMENSIONS



**BL17E40-01**

Rated Voltage: 24Volts, Rated Current: 4.92 Amps



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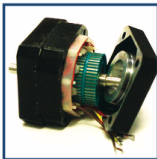
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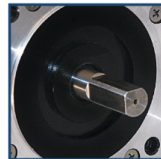
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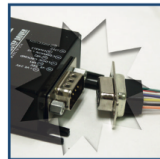
OPERATION & USAGE TIPS



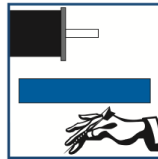
**Do not** disassemble motors; a significant reduction in motor performance will occur.



**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 will burn the motor.

FAILURE TO COMPLY WITH THESE RECOMMENDATIONS WILL VOID ALL WARRANTY TERMS

**Motion Control, Solved.**  
MOTOR ENGINEERING & MANUFACTURING



Optimized For Your Application



Quick Prototype Turnaround



Small Batch to OEM Volume Production



US Based Support & Manufacturing