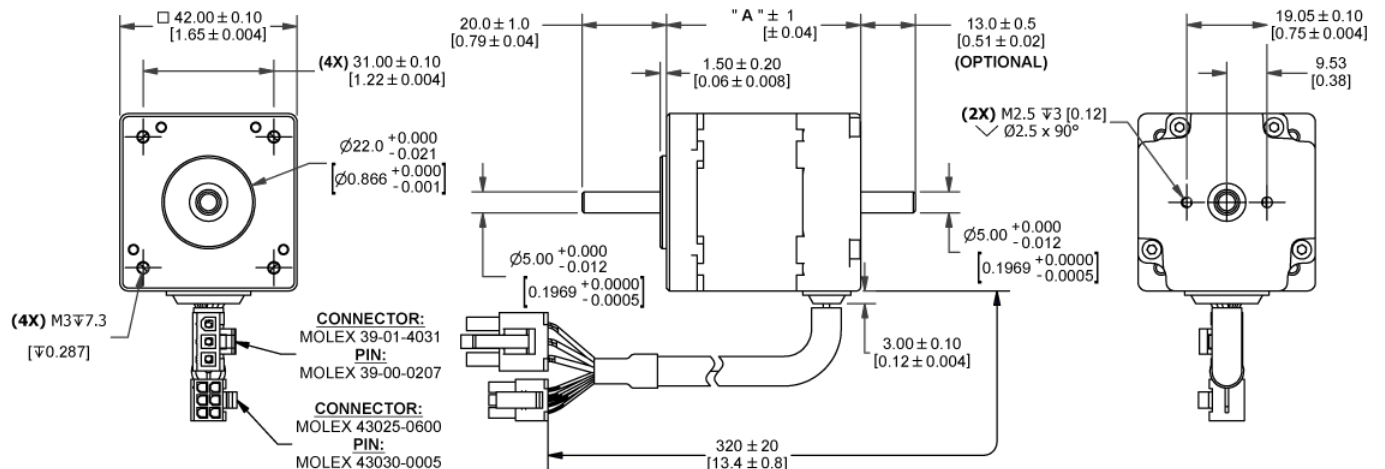


MOTOR SPECIFICATIONS

Part Number	BL17E28-02-R0
Dimension "A" Max	2.8 in [71mm]
Rated Voltage	48 VDC
Rated Torque	203.92 oz-in [1.44N-m]
Rated Speed	4000 RPM
Rated Power	60 Watts
Rated Current	1.63 Amps
Peak Torque	40.7 oz-in [0.288N-m]
Peak Current	3.26 Amps
Torque Constant (kt)	12.46 oz-in/Amp
Back EMF Constant (Ke)	8.46 Vp/KRPM
Motor Constant (Km)	7.7 oz-in/√W [0.054 N-m/√W]
Resistance	2.62 Ohms
Inductance	2.5 mH
Rotor Inertia	0.39 oz-in ²
Weight	1.21 lb [0.55 kg]
Electrical Time Constant	1 ms
Mechanical Time Constant	2.7 ms

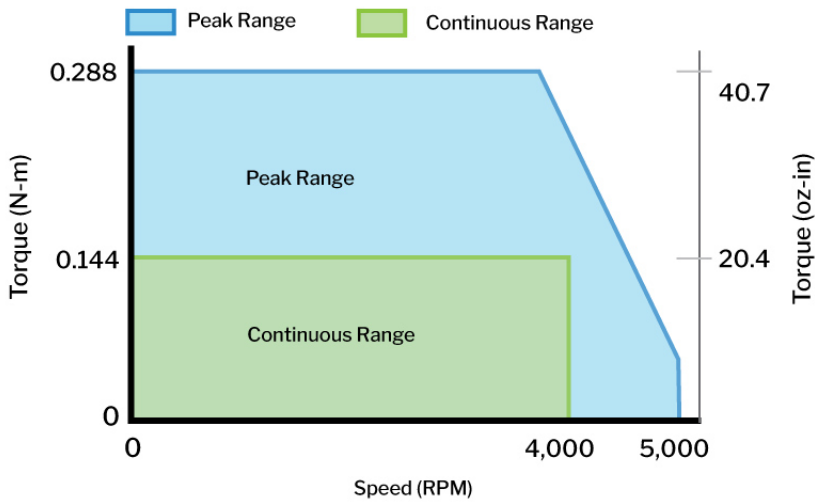
DIMENSIONS



PERFORMANCE CURVE

BL17E28-02

Rated Voltage: 48Volts, Rated Current: 1.63 Amps

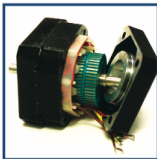


PIN OUT CHARTS

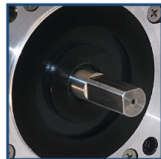
PIN #	COLOR	PHASE
1	RED	VCC (+5V)
2	YELLOW	HV
3	BLUE	HW
4	BLACK	GND
5	ORANGE	HU

PIN #	COLOR	PHASE
1	BLUE	W
2	ORANGE	U
5	YELLOW	V

OPERATION & USAGE TIPS



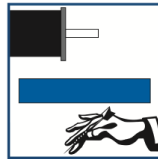
Do not disassemble motors; a significant reduction in motor performance will occur.



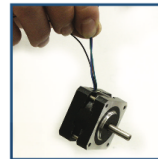
Do not machine shafts; this will have a negative effect on shaft run out and perpendicularity.



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