LIN ENGINEERING
MOTOR SPECIALISTS IN MOTION
A MOONS' COMPANY

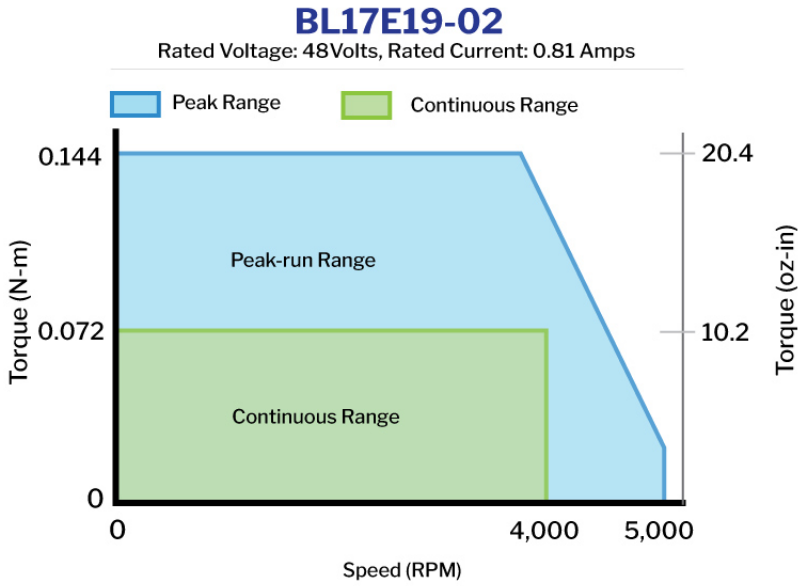
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Email: sales@linengineering.com | techsupport@linengineering.com
www.linengineering.com

MOTOR SPECIFICATIONS

Part Number	**BL17E19-02-RO**
Dimension “A” Max	1.85 in [47mm]
Rated Voltage	48 VDC
Rated Torque	10.2 oz-in [0.072N-m]
Rated Speed	4000 RPM
Rated Power	30 Watts
Rated Current	0.81 Amps
Peak Torque	20.4 oz-in [0.144N-m]
Peak Current	1.62 Amps
Torque Constant (kt)	12.6 oz-in/Amp
Back EMF Constant (Ke)	8.64 Vp/KRPM
Motor Constant (Km)	5.18 oz-in/√W [0.037 N-m/√W]
Resistance	5.92 Ohms
Inductance	5 mH
Rotor Inertia	0.18 oz-in^2
Weight	0.71 lb [0.32 kg]
Electrical Time Constant	0.8 ms
Mechanical Time Constant	3.1 ms

DIMENSIONS

PERFORMANCE CURVE

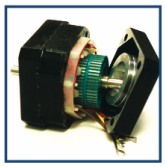


PIN OUT CHARTS

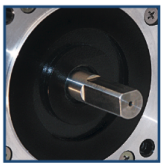
PIN #	COLOR	PHASE
1	RED	VCC (+5V)
2	YELLOW	HV
3	BLUE	HW
4	BLACK	GND
5	ORANGE	HU

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

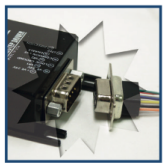
OPERATION & USAGE TIPS



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 wil 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