

MOTOR SPECIFICATIONS

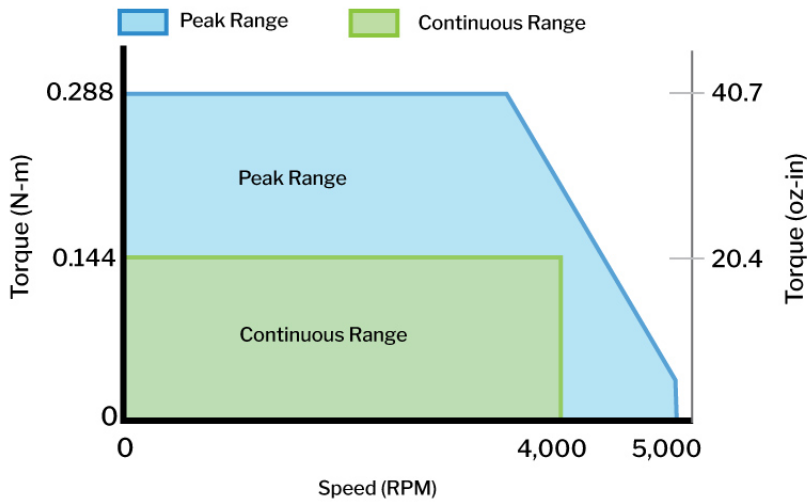
Part Number	BL17E28-01-R0
Dimension "A" Max	2.8 in [71mm]
Rated Voltage	24 VDC
Rated Torque	203.92 oz-in [1.44N-m]
Rated Speed	4000 RPM
Rated Power	60 Watts
Rated Current	3.28 Amps
Peak Torque	40.7 oz-in [0.288N-m]
Peak Current	6.56 Amps
Torque Constant (kt)	6.23 oz-in/Amp
Back EMF Constant (Ke)	4.23 Vp/KRPM
Motor Constant (Km)	7.56 oz-in/ \sqrt{W} [0.053 N-m/ \sqrt{W}]
Resistance	0.68 Ohms
Inductance	0.6 mH
Rotor Inertia	0.39 oz-in ²
Weight	1.21 lb [0.55 kg]
Electrical Time Constant	0.9 ms
Mechanical Time Constant	2.8 ms

DIMENSIONS

PERFORMANCE CURVE

BL17E28-01

Rated Voltage: 24Volts, Rated Current: 3.28 Amps

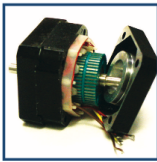


PIN OUT CHARTS

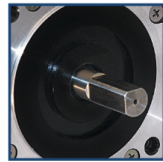
PIN #	COLOR	PHASE
1	RED	VCC (+5V)
2	YELLOW	HV
3	BLUE	HW
4	BLACK	GND
5	ORANGE	HU

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

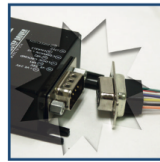
OPERATION & USAGE TIPS



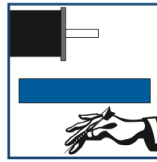
Do not disassemble motors; a significant reduction in motor performance will occur.



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



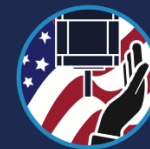
Optimized For Your Application



Quick Prototype Turnaround



Small Batch to OEM Volume Production



US Based Support & Manufacturing