

Characteristics:

Low power EC motor

**Specifications:**

Dimensions (in)	: Ø 2.0 X 2.5 in
Shaft Diameter (in)	: Ø 0.315 in
Input Voltage (V)	: 18.0 V DC
No Load Speed (rpm)	: 3100 rpm
No Load Current (A)	: 0.35 A
Nominal Speed (rpm)	: 2300 rpm
Nominal Torque (lb.in)	: 1.15 lb.in
Nominal Current (A)	: 2.40 A
Stall Torque (lb.in)	: 4.69 lb.in
Stall Current (A)	: 8.60 A
Maximum Output Power (hp)	: 0.06 hp
Maximum Efficiency (%)	: 75%
Torque (lb.in) - Max Eff	: 0.78 lb.in
Speed (rpm) - Max Eff	: 2550 rpm
Life (Typical)	: 10000 hr
Weight (oz)	: 22 oz
Operating Temperature Range (°F)	: 14 to 149 °F
Storage Temperature Range (°F)	: -40 to 158 °F
Electrical Connection	: Leadwire and connector

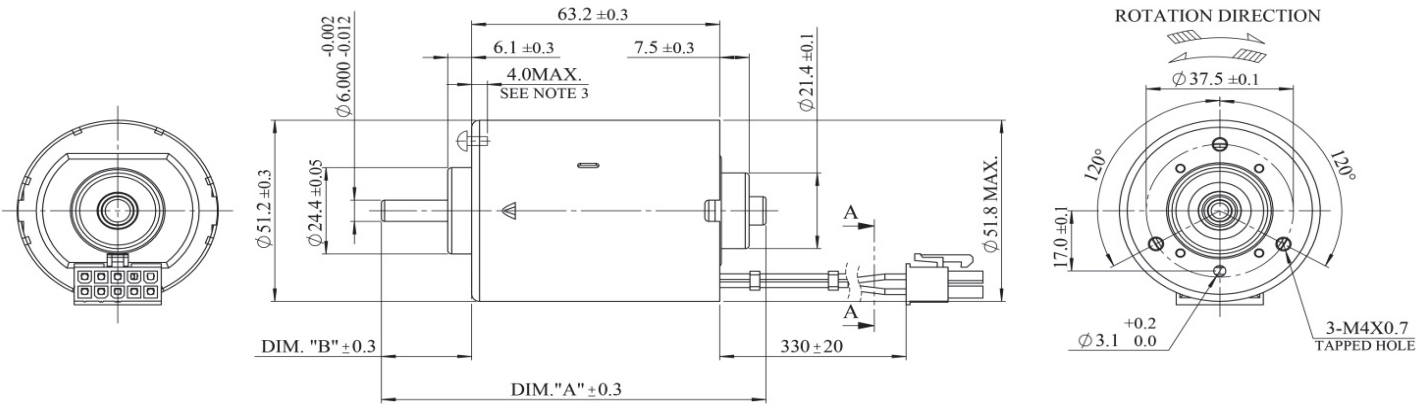
Performance Data:

	No Load	Stall	Max Efficiency	Max Power
Current (A)	0.35	8.60	1.70	4.50
Efficiency (%)	-	-	75.00	52.00
Output Power (hp)	-	-	0.03	0.06
Speed (rpm)	3100.00	-	2550.00	1550.00
Torque (lb.in)	-	4.69	0.78	2.35

Application Examples:

Robotic Mower Cutter

Drawing:



Performance Curves:

