

Characteristics:

Low power EC motor

**Specifications:**

Dimensions (mm)	: Ø 51.8 X 63.2 mm
Shaft Diameter (mm)	: Ø 8.000 mm
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 (mNm)	: 130.00 mNm
Nominal Current (A)	: 2.40 A
Stall Torque (mNm)	: 530.00 mNm
Stall Current (A)	: 8.60 A
Maximum Output Power (W)	: 42.00 W
Maximum Efficiency (%)	: 75%
Torque (mNm) - Max Eff	: 88.00 mNm
Speed (rpm) - Max Eff	: 2550 rpm
Life (Typical)	: 10000 hr
Weight (g)	: 630 g
Operating Temperature Range (°C)	: -10 to 65 °C
Storage Temperature Range (°C)	: -40 to 70 °C
Electrical Connection	: Leadwire and connector

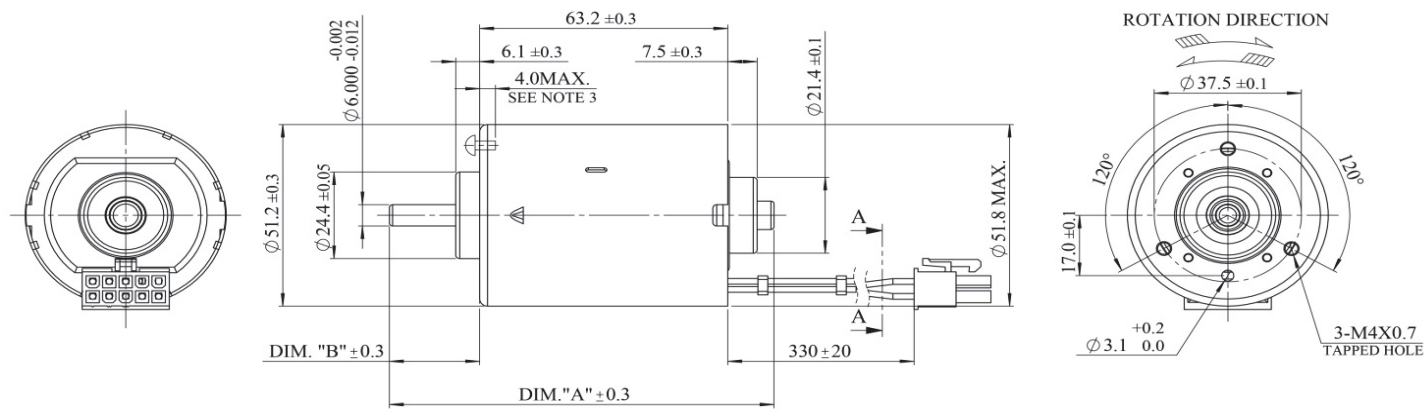
Performance Data:

	No Load	Stall	Max Efficiency	Max Power
Current (A)	0.35	8.60	1.70	4.50
Efficiency (%)	-	-	75.00	52.00
Output Power (W)	-	-	23.00	42.00
Speed (rpm)	3100.00	-	2550.00	1550.00
Torque (mNm)	-	530.00	88.00	265.00

Application Examples:

Robotic Mower Cutter

Drawing:



Performance Curves:

