

Characteristics:

Brushless DC Motor, Open Frame (Stator-rotor set)



Specifications:

Dimensions (in)	: Ø 1.5 X 2.0 in
Shaft Diameter (in)	: Ø 0.157 in
Input Voltage (V)	: 18.0 V DC
No Load Speed (rpm)	: 23700 rpm
No Load Current (A)	: 1.85 A
Nominal Speed (rpm)	: 20000 rpm
Nominal Torque (lb.in)	: 0.97 lb.in
Nominal Current (A)	: 15.0 A
Stall Torque (lb.in)	: 6.73 lb.in
Stall Current (A)	: 93.50 A
Maximum Output Power (hp)	: 0.63 hp
Maximum Efficiency (%)	: 86.30%
Torque at Max Efficiency (lb.in)	: 0.83 lb.in
Speed at Max Efficiency (rpm)	: 20800 rpm
Life (Typical)	: 250 hr
Weight (oz)	: 5.93 oz
Operating Temperature Range (°F)	: 14 to 158 °F
Storage Temperature Range (°F)	: -4 to 158 °F
Electrical Connection	: 6-pin connector

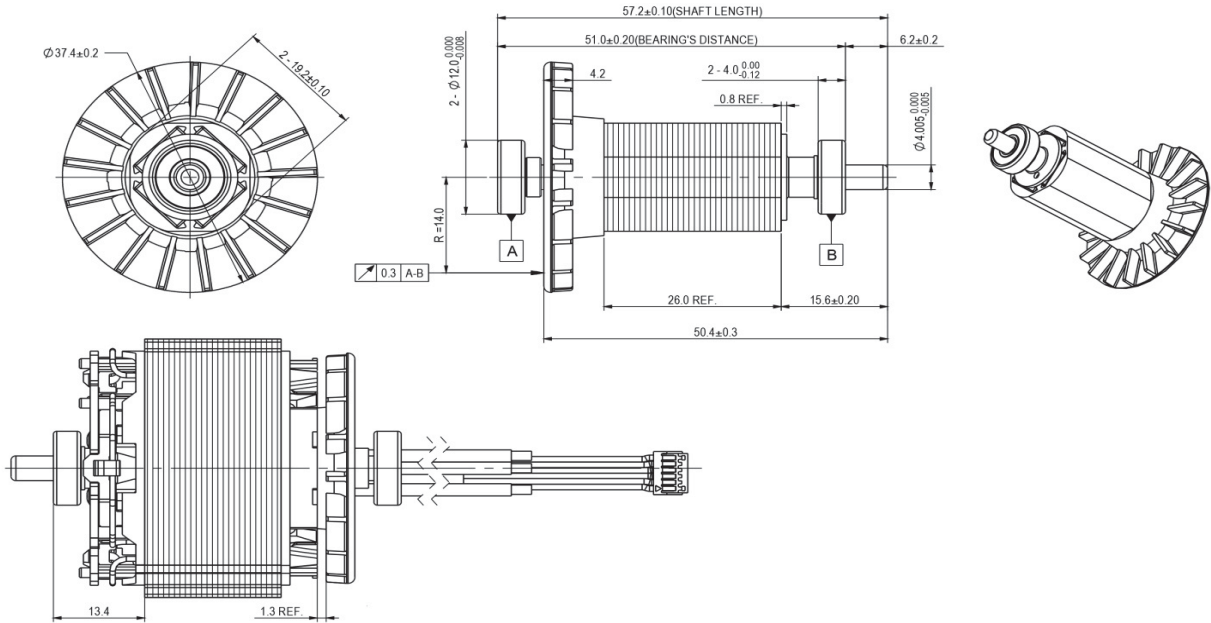
Performance Data:

	No Load	Stall	Max Efficiency	Max Power
Current (A)	1.85	93.50	13.16	47.68
Efficiency (%)	-	-	86.30	55.10
Output Power (hp)	-	-	0.27	0.63
Speed (rpm)	23700.00	-	20800.00	11850.00
Torque (lb.in)	-	6.73	0.83	3.37

Application Examples:

Drill, Screw Driver, Impact Driver, Grinder, Sander

Drawing:



Performance Curves:

