

Characteristics:

High torque DC motor

Specifications:

Dimensions	: Ø 38.3 X 58.1 mm
Shaft Diameter	: Ø 3.175 mm
Input Voltage	: 14.4 V DC
No Load Speed	: 20400 rpm
No Load Current	: 2.10 A
Nominal Speed	: 18000 rpm
Nominal Torque	: 93.00 mNm
Nominal Current	: 15.60 A
Stall Torque	: 796.00 mNm
Stall Current	: 118.00 A
Maximum Output Power	: 425.00 W
Maximum Efficiency	: 78%
Torque at Maximum Efficiency	: 93.00 mNm
Speed at Maximum Efficiency	: 18000 rpm
Life (Typical)	: 100 hr
Weight	: 280 g
Operating Temperature Range	: -10 to 55 °C
Storage Temperature Range	: -20 to 80 °C
Electrical Connection	: Terminals



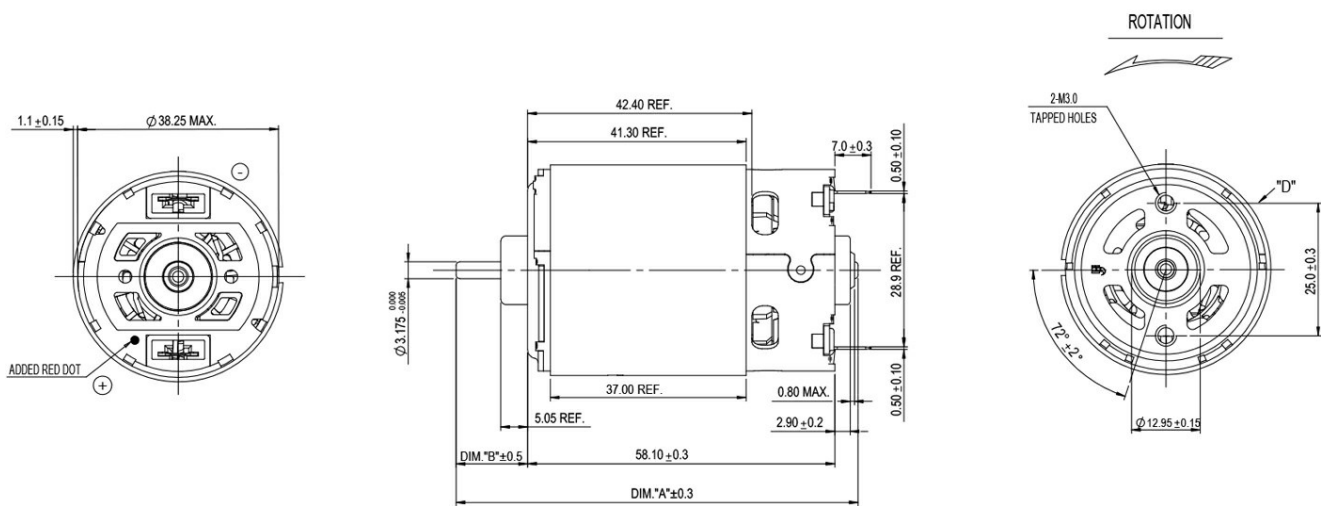
Performance Data:

	No Load	Stall	Maximum Efficiency	Maximum Power
Current (A)	2.10	118.00	15.60	60.00
Efficiency (%)	-	-	78	49
Output Power (W)	-	-	176.00	425.00
Speed (rpm)	20400	-	18000	10200
Torque (mNm)	-	796.00	93.00	398.00

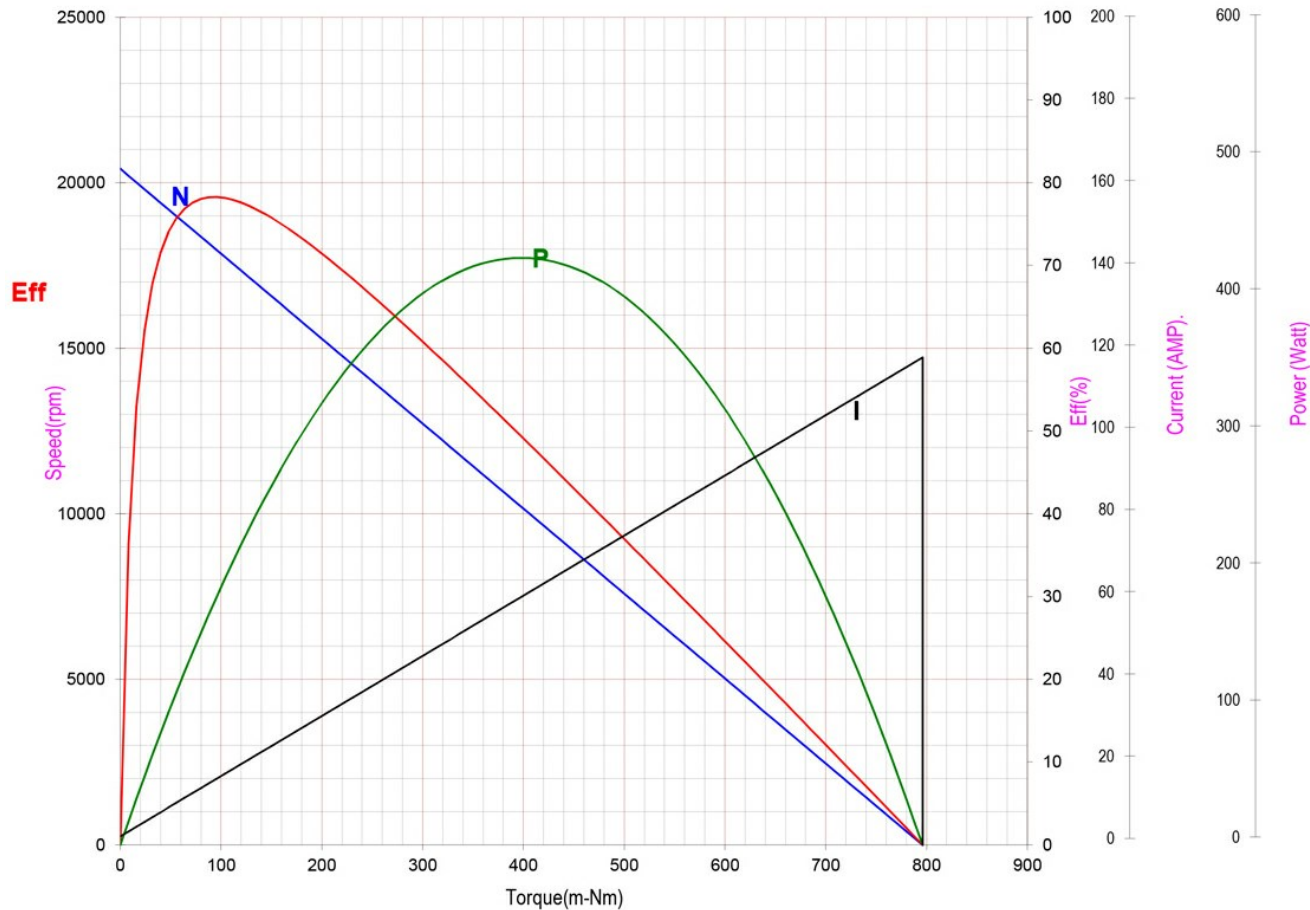
Application Examples:

Power Tools

Outline Drawing:



Performance Curves:



Units in Metric