

Characteristics:

High torque DC motor

Specifications:

Dimensions	: Ø 35.8 X 57.0 mm
Shaft Diameter	: Ø 3.175 mm
Input Voltage	: 10.8 V DC
No Load Speed	: 19600 rpm
No Load Current	: 1.64 A
Nominal Speed	: 17200 rpm
Nominal Torque	: 52.00 mNm
Nominal Current	: 12.00 A
Stall Torque	: 430.00 mNm
Stall Current	: 87.50 A
Maximum Output Power	: 222.00 W
Maximum Efficiency	: 73%
Torque at Maximum Efficiency	: 52.00 mNm
Speed at Maximum Efficiency	: 17200 rpm
Life (Typical)	: 100 hr
Weight	: 150 g
Operating Temperature Range	: -10 to 55 °C
Storage Temperature Range	: -20 to 80 °C
Electrical Connection	: Terminals



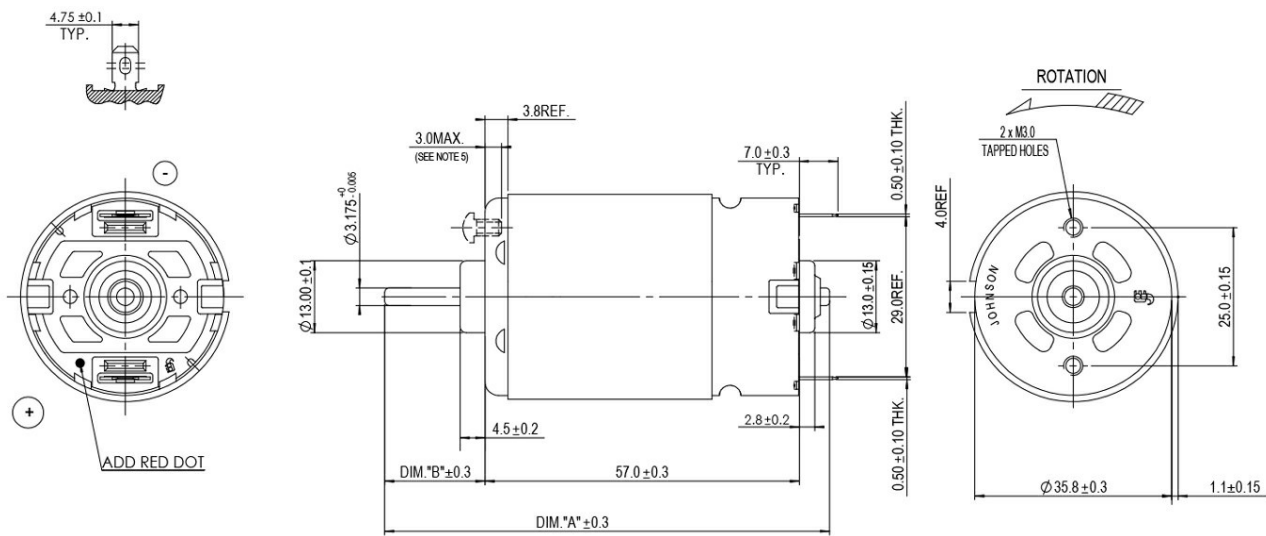
Performance Data:

	No Load	Stall	Maximum Efficiency	Maximum Power
Current (A)	1.64	87.50	12.00	44.50
Efficiency (%)	-	-	73	46
Output Power (W)	-	-	95.00	222.00
Speed (rpm)	19600	-	17200	9800
Torque (mNm)	-	430.00	52.00	216.00

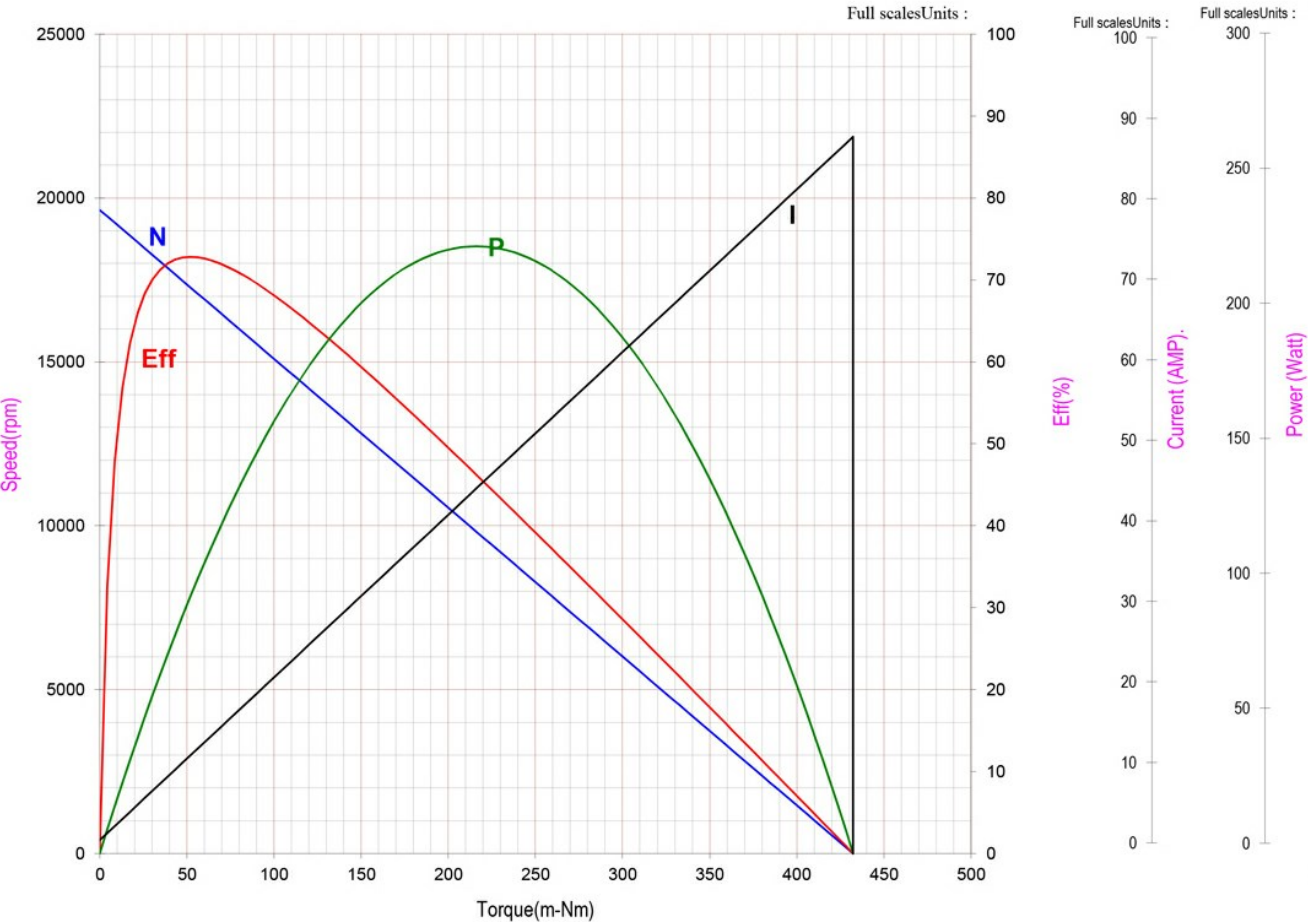
Application Examples:

Power Tools

Outline Drawing:



Performance Curves:



Units in Metric