

Characteristics:

High torque DC motor

Specifications:

Dimensions	: Ø 35.8 X 50.0 mm
Shaft Diameter	: Ø 3.175 mm
Input Voltage	: 12.0 V DC
No Load Speed	: 27300 rpm
No Load Current	: 1.39 A
Nominal Speed	: 24500 rpm
Nominal Torque	: 42.00 mNm
Nominal Current	: 12.60 A
Stall Torque	: 420.00 mNm
Stall Current	: 115.00 A
Maximum Output Power	: 300.00 W
Maximum Efficiency	: 70%
Torque at Maximum Efficiency	: 42.00 mNm
Speed at Maximum Efficiency	: 24500 rpm
Life (Typical)	: 50 hr
Weight	: 160 g
Operating Temperature Range	: -10 to 55 °C
Storage Temperature Range	: -20 to 80 °C
Electrical Connection	: Terminals



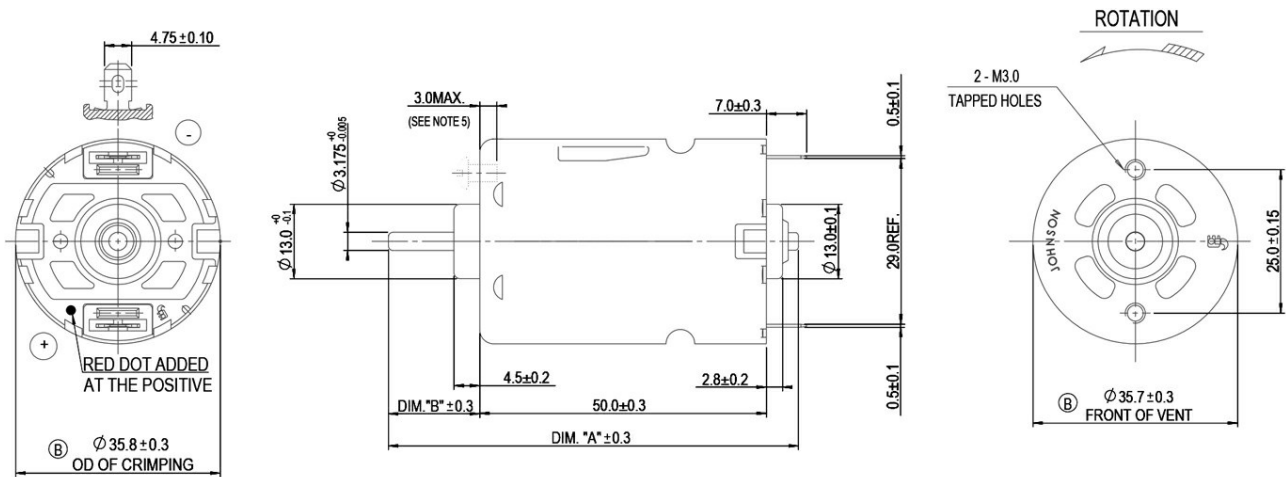
Performance Data:

	No Load	Stall	Maximum Efficiency	Maximum Power
Current (A)	1.39	115.00	12.60	58.20
Efficiency (%)	-	-	70	43
Output Power (W)	-	-	107.00	300.00
Speed (rpm)	27300	-	24500	13600
Torque (mNm)	-	420.00	42.00	210.00

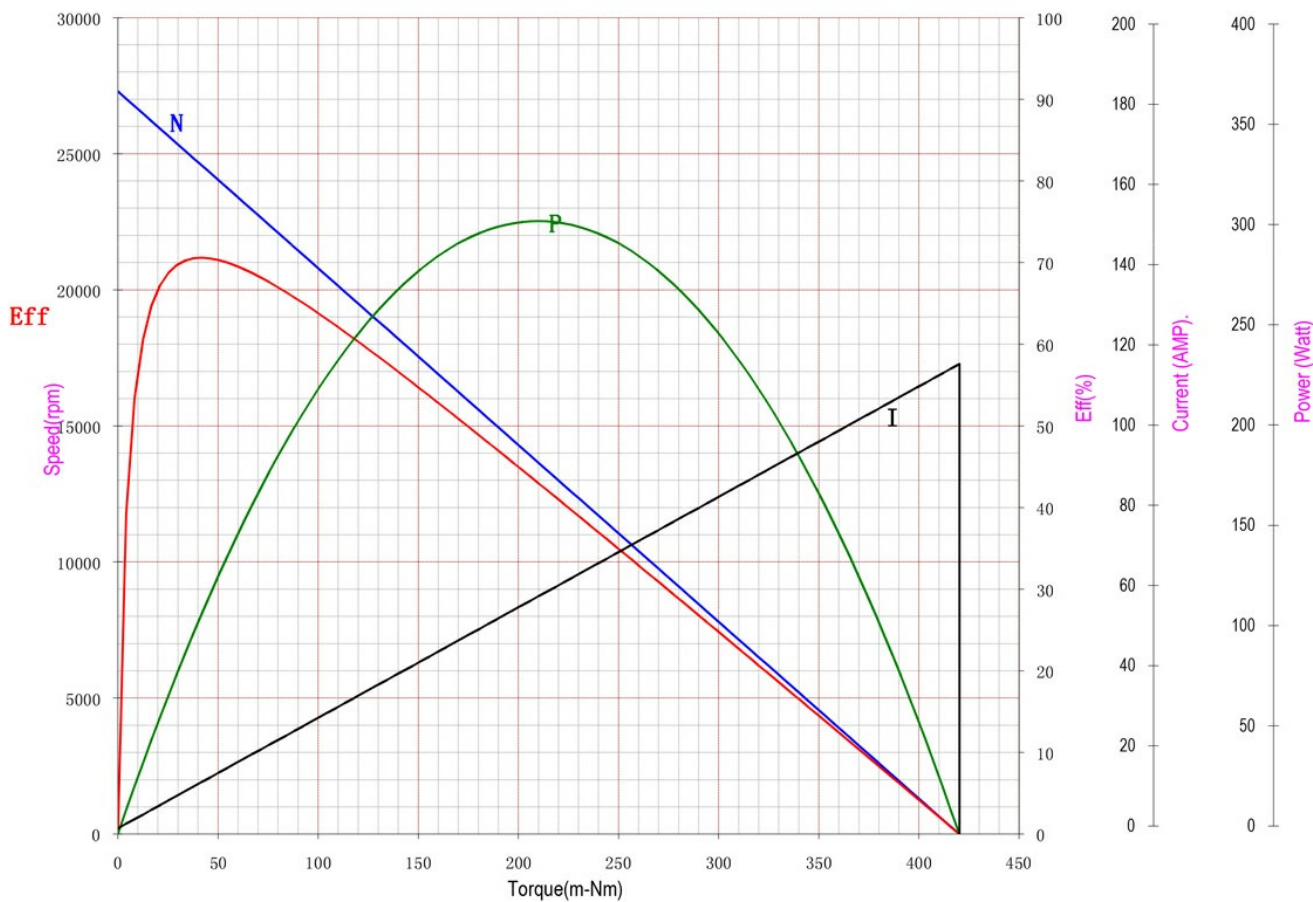
Application Examples:

Power Tools

Outline Drawing:



Performance Curves:



Units in Metric