

## Characteristics:

High torque DC motor

## Specifications:

|                              |                    |
|------------------------------|--------------------|
| Dimensions                   | : Ø 35.8 X 50.0 mm |
| Shaft Diameter               | : Ø 3.175 mm       |
| Input Voltage                | : 18.0 V DC        |
| No Load Speed                | : 26700 rpm        |
| No Load Current              | : 1.09 A           |
| Nominal Speed                | : 20500 rpm        |
| Nominal Torque               | : 67.70 mNm        |
| Nominal Current              | : 12.40 A          |
| Stall Torque                 | : 367.80 mNm       |
| Stall Current                | : 55.00 A          |
| Maximum Output Power         | : 242.00 W         |
| Maximum Efficiency           | : 63%              |
| Torque at Maximum Efficiency | : 67.70 mNm        |
| Speed at Maximum Efficiency  | : 20500 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        |



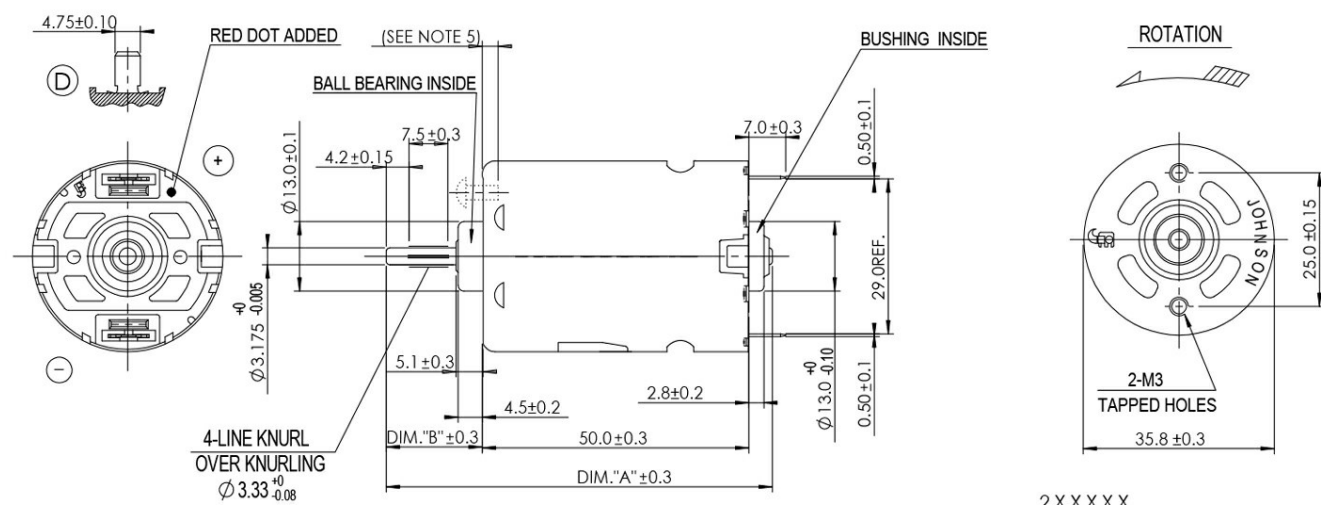
## Performance Data:

|                  | No Load | Stall  | Maximum Efficiency | Maximum Power |
|------------------|---------|--------|--------------------|---------------|
| Current (A)      | 1.09    | 55.00  | 12.40              | 28.96         |
| Efficiency (%)   | -       | -      | 63                 | 46            |
| Output Power (W) | -       | -      | 145.40             | 242.00        |
| Speed (rpm)      | 26700   | -      | 20500              | 12500         |
| Torque (mNm)     | -       | 367.80 | 67.70              | 183.90        |

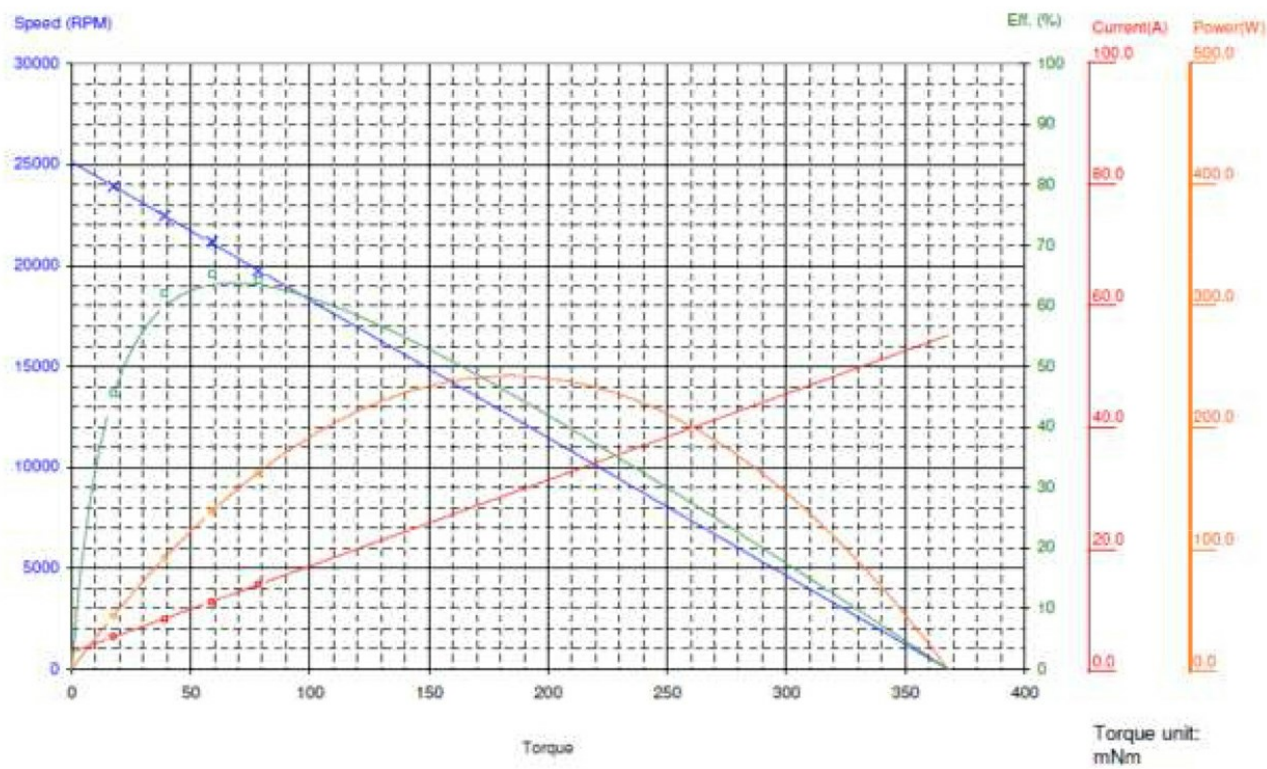
## Application Examples:

Hand-held Vacuum Cleaners

Outline Drawing:



Performance Curves:



Units in Metric