

Characteristics:

High torque DC motor

Specifications:

|                              |                  |
|------------------------------|------------------|
| Dimensions                   | : Ø 1.7 X 2.4 in |
| Shaft Diameter               | : Ø 0.197 in     |
| Input Voltage                | : 18.0 V DC      |
| No Load Speed                | : 22000 rpm      |
| No Load Current              | : 2.50 A         |
| Nominal Speed                | : 19000 rpm      |
| Nominal Torque               | : 0.90 lb.in     |
| Nominal Current              | : 17.00 A        |
| Stall Torque                 | : 7.12 lb.in     |
| Stall Current                | : 117.00 A       |
| Maximum Output Power         | : 0.61           |
| Maximum Efficiency           | : 67%            |
| Torque at Maximum Efficiency | : 0.90 lb.in     |
| Speed at Maximum Efficiency  | : 19000 rpm      |
| Life (Typical)               | : 100 hr         |
| Weight                       | : 11 oz          |
| Operating Temperature Range  | : 14 to 131 °F   |
| Storage Temperature Range    | : -4 to 176 °F   |
| Electrical Connection        | : Terminals      |



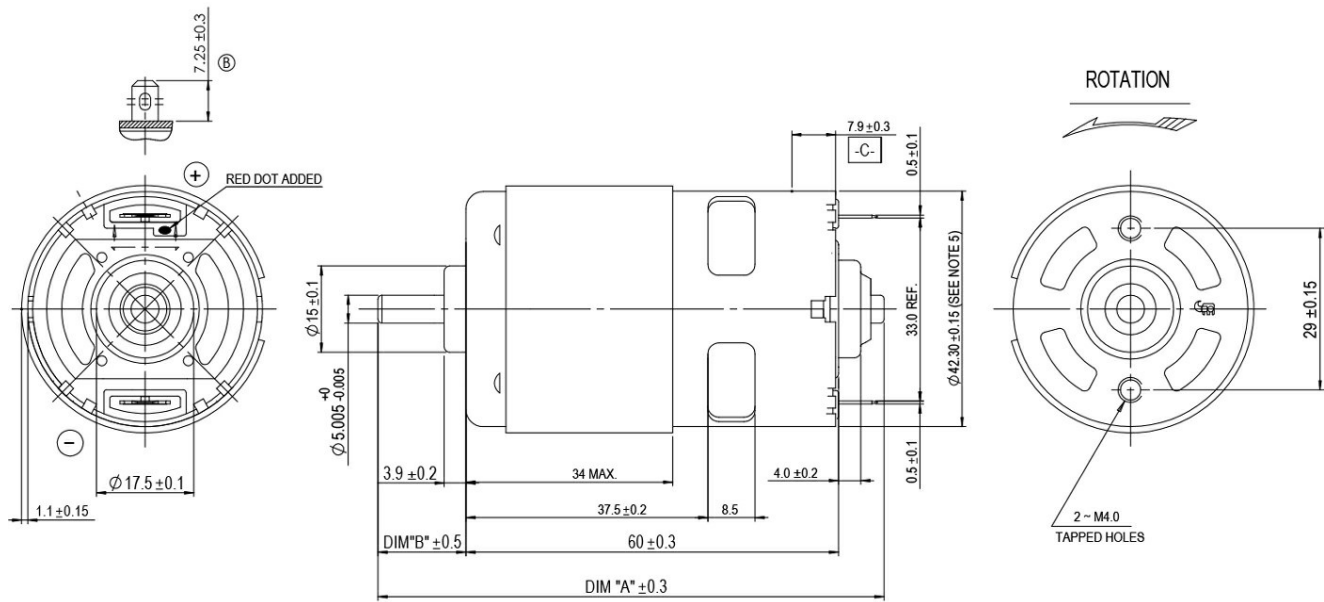
Performance Data:

|                   | No Load | Stall  | Maximum Efficiency | Maximum Power |
|-------------------|---------|--------|--------------------|---------------|
| Current (A)       | 2.50    | 117.00 | 17.00              | 60.00         |
| Efficiency (%)    | -       | -      | 67                 | 43            |
| Output Power (hp) | -       | -      | 0.27               | 0.61          |
| Speed (rpm)       | 22000   | -      | 19000              | 11000         |
| Torque (Lb.in)    | -       | 7.12   | 0.90               | 3.56          |

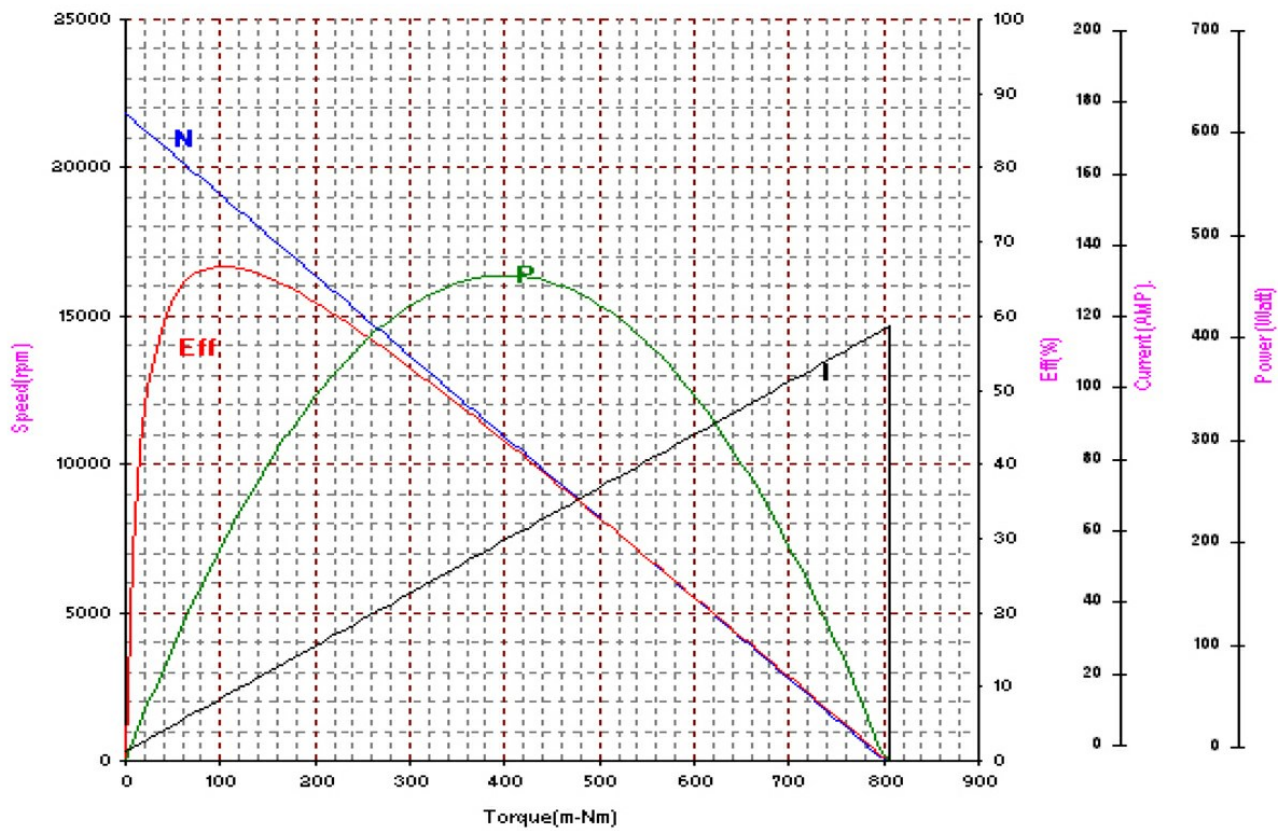
Application Examples:

Power Tools

Outline Drawing:



Performance Curves:



Units in Metric