

## Characteristics:

High Power PMDC motor

## Specifications:

|                              |                   |
|------------------------------|-------------------|
| Dimensions                   | : Ø 1.1 X 1.27 in |
| Shaft Diameter               | : Ø 0.091 in      |
| Input Voltage                | : 6.0 V DC        |
| No Load Speed                | : 14178 rpm       |
| No Load Current              | : 0.61 A          |
| Stall Torque                 | : 0.45 lb.in      |
| Stall Current                | : 14.55 A         |
| Maximum Output Power         | : 0.03            |
| Maximum Efficiency           | : 60%             |
| Torque at Maximum Efficiency | : 0.08 lb.in      |
| Speed at Maximum Efficiency  | : 11774 rpm       |
| Weight                       | : 2 oz            |
| Operating Temperature Range  | : 14 to 122 °F    |
| Storage Temperature Range    | : -4 to 176 °F    |
| Electrical Connection        | : Terminals       |



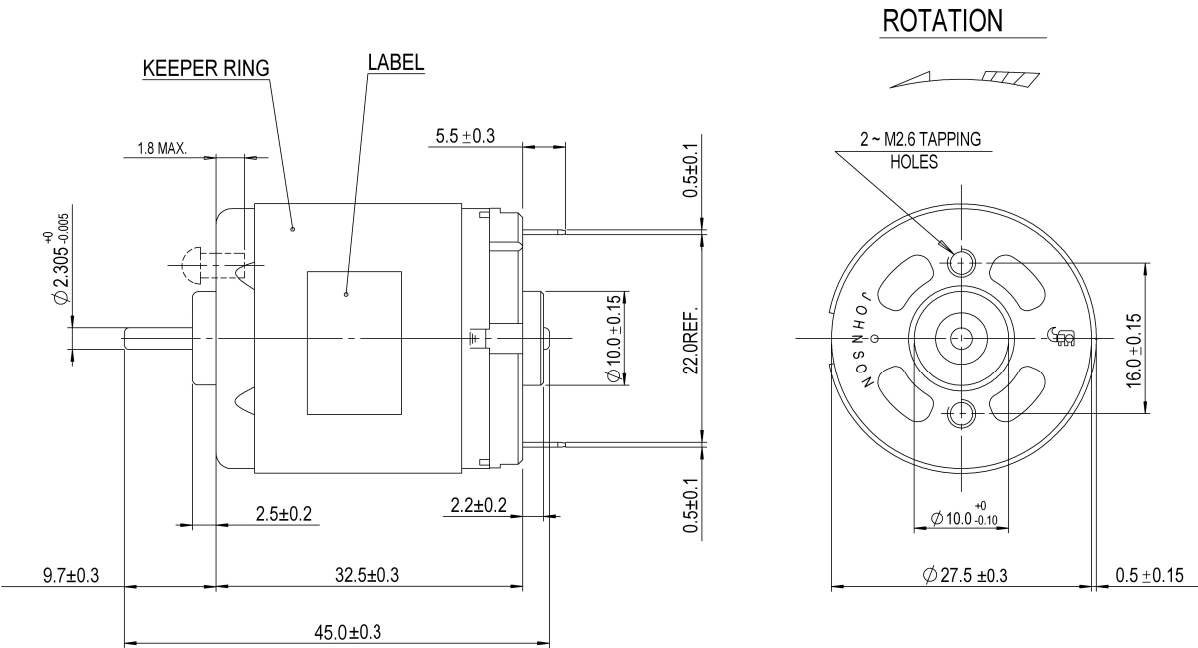
## Performance Data:

|                   | No Load | Stall | Maximum Efficiency | Maximum Power |
|-------------------|---------|-------|--------------------|---------------|
| Current (A)       | 0.61    | 14.55 | 2.97               | 7.58          |
| Efficiency (%)    | -       | -     | 60                 | 42            |
| Output Power (hp) | -       | -     | 0.01               | 0.03          |
| Speed (rpm)       | 14178   | -     | 11774              | 7089          |
| Torque (Lb.in)    | -       | 0.45  | 0.08               | 0.23          |

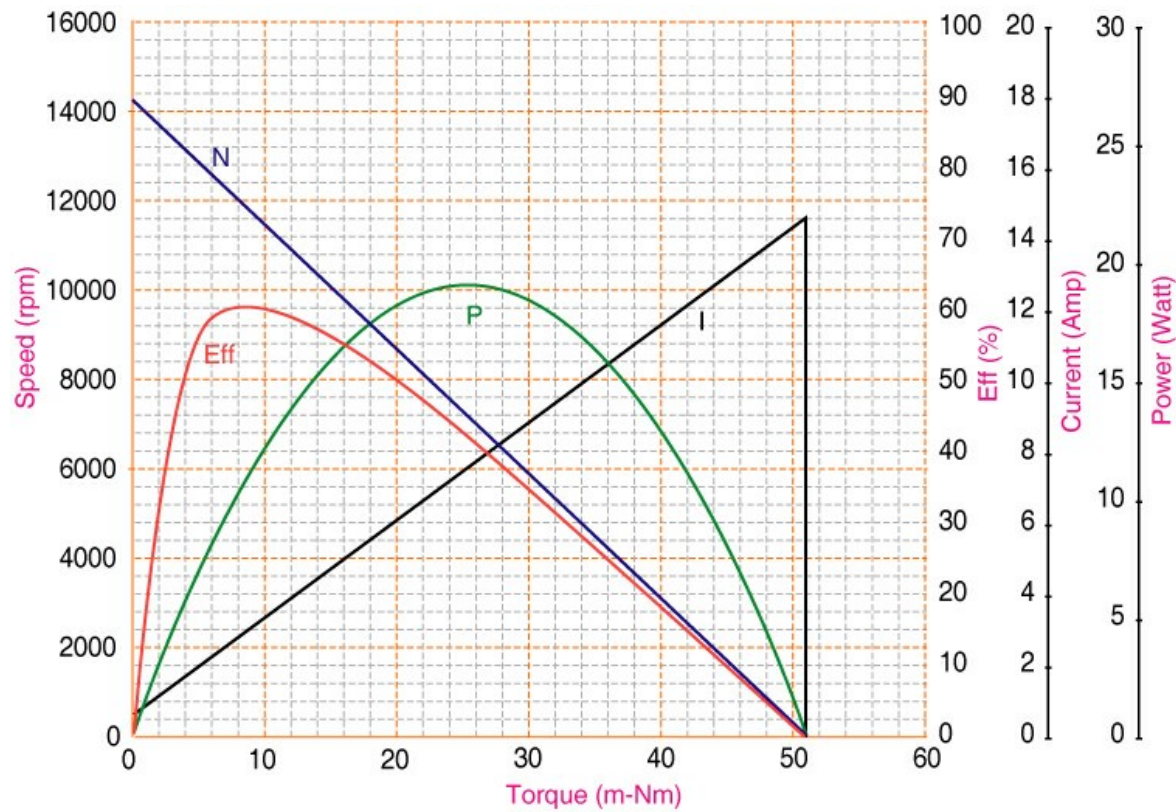
## Application Examples:

Rotary Sanders

Outline Drawing:



Performance Curves:



Units in Metric