

## Characteristics:

High Power PMDC motor

## Specifications:

|                              |                    |
|------------------------------|--------------------|
| Dimensions                   | : Ø 27.5 X 32.5 mm |
| Shaft Diameter               | : Ø 2.305 mm       |
| Input Voltage                | : 6.0 V DC         |
| No Load Speed                | : 14178 rpm        |
| No Load Current              | : 0.61 A           |
| Stall Torque                 | : 50.95 mNm        |
| Stall Current                | : 14.55 A          |
| Maximum Output Power         | : 18.92 W          |
| Maximum Efficiency           | : 60%              |
| Torque at Maximum Efficiency | : 8.64 mNm         |
| Speed at Maximum Efficiency  | : 11774 rpm        |
| Weight                       | : 61 g             |
| Operating Temperature Range  | : -10 to 50 °C     |
| Storage Temperature Range    | : -20 to 80 °C     |
| Electrical Connection        | : Terminals        |



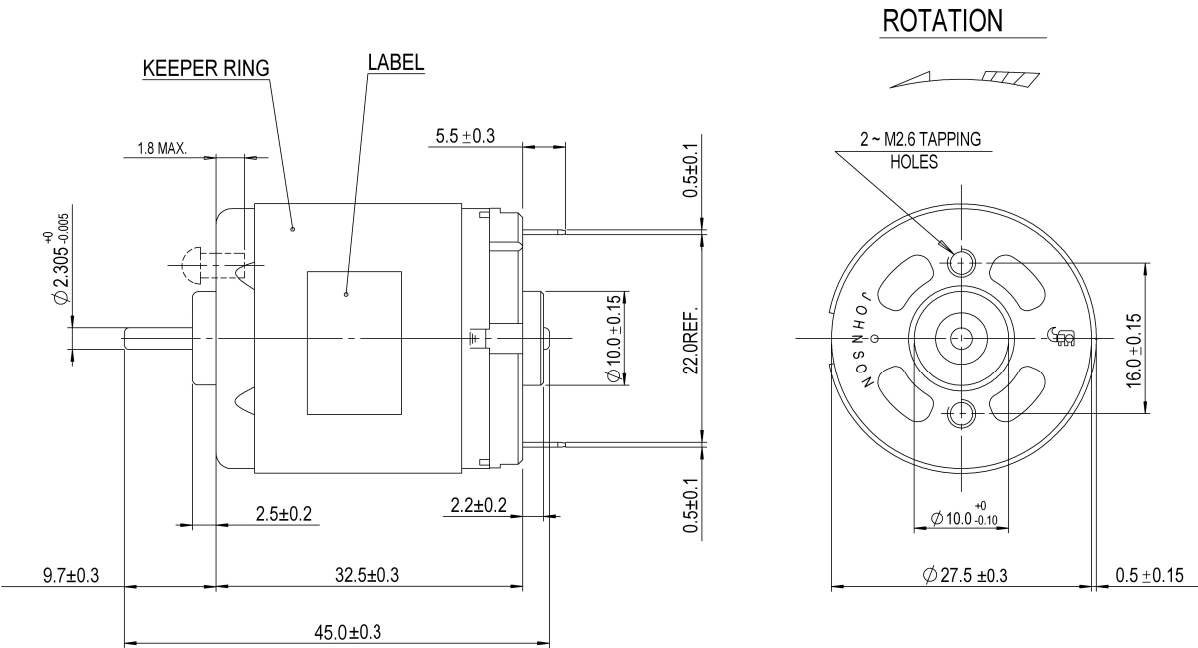
## Performance Data:

|                  | No Load | Stall | Maximum Efficiency | Maximum Power |
|------------------|---------|-------|--------------------|---------------|
| Current (A)      | 0.61    | 14.55 | 2.97               | 7.58          |
| Efficiency (%)   | -       | -     | 60                 | 42            |
| Output Power (W) | -       | -     | 10.66              | 18.92         |
| Speed (rpm)      | 14178   | -     | 11774              | 7089          |
| Torque (mNm)     | -       | 50.95 | 8.64               | 25.48         |

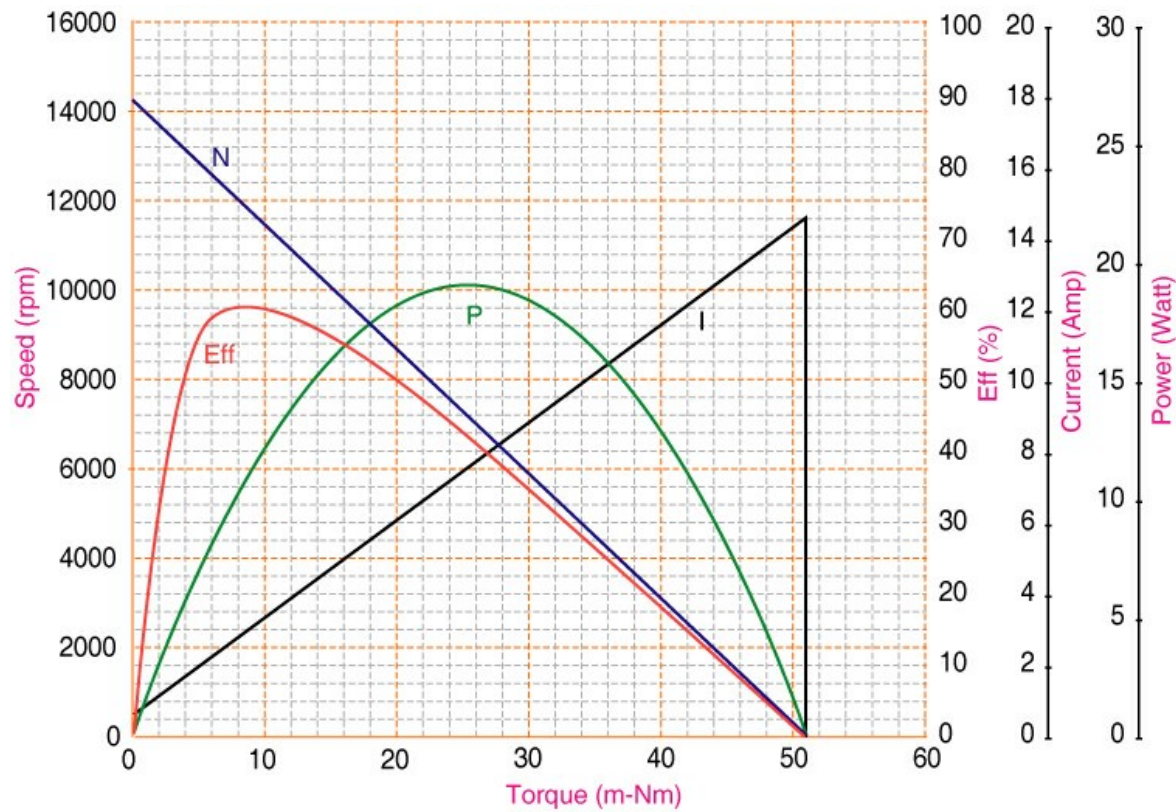
## Application Examples:

Rotary Sanders

Outline Drawing:



Performance Curves:



Units in Metric