

## 40ZYT PMDC Motors

Magnet (磁铁) : Ferrite 铁氧体

Insulation Class 绝缘等级 : B , F

Protection 防护等级 : No

Shaft OD 出轴直径 : 5 mm

Bearing 轴承 : Ball/Sleeve

Winding 绕线选择 :

1. Voltage 工作电压范围 : 6 ~ 36VDC
2. Speed 额定转速范围 : 3,000 ~ 8,000 RPM
3. Power 输出功率范围 : 35 W



### ● Motor Specifications ( 马达特性 )

$$Y[\text{oz-in}] = 0.141612 \cdot X[\text{mNm}]$$

| MODEL<br>型号    | Voltage |         | No Load |         | Rated   |        |      |        |      | Stall  |       |         | Motor length<br>mm |
|----------------|---------|---------|---------|---------|---------|--------|------|--------|------|--------|-------|---------|--------------------|
|                | Nominal | Speed   | Current | Speed   | Current | Torque |      | Output | Eff. | Torque |       | Current |                    |
|                | Vdc     | r / min | A       | r / min | A       | g*cm   | mN*m | W      | %    | g*cm   | mN*m  | A       |                    |
| 40ZYT056-12-38 | 12      | 3800    | 0.3     | 3000    | 1.2     | 226    | 22.2 | 7.0    | 48   | 850    | 83.4  | 5.8     | 56                 |
| 40ZYT056-24-62 | 24      | 6200    | 0.32    | 4920    | 1.47    | 460    | 45.1 | 23.2   | 66   | 2300   | 225.5 | 6       | 56                 |
| 40ZYT061-12-63 | 12      | 6300    | 0.72    | 5000    | 3.47    | 537    | 52.7 | 27.6   | 66   | 3050   | 299.1 | 16.5    | 61                 |
| 40ZYT061-24-63 | 24      | 6300    | 0.35    | 5000    | 1.9     | 604    | 59.2 | 31.0   | 68   | 3020   | 296.1 | 8.2     | 61                 |
| 40ZYT070-12-62 | 12      | 6200    | 0.9     | 4920    | 4.16    | 632    | 62.0 | 31.9   | 64   | 3160   | 309.9 | 17.2    | 70                 |
| 40ZYT070-24-62 | 24      | 6200    | 0.4     | 4920    | 2.4     | 660    | 64.7 | 33.3   | 58   | 3200   | 313.8 | 9.1     | 70                 |
| 40ZYT063-24-40 | 24      | 4000    | 0.3     | 3200    | 0.8     | 300    | 29.4 | 9.9    | 51   | 800    | 78.4  | 3.4     | 63                 |
| 40ZYT071-24-36 | 24      | 3600    | 0.3     | 3000    | 0.9     | 400    | 39.2 | 12.3   | 57   | 1200   | 117.7 | 4.1     | 71                 |
| 40ZYT071-24-42 | 24      | 4200    | 0.35    | 3800    | 1.8     | 650    | 63.7 | 25.3   | 59   | 2600   | 255.0 | 7.6     | 71                 |
| 40ZYT075-24-48 | 24      | 4800    | 0.4     | 4000    | 2.2     | 800    | 78.4 | 32.8   | 62   | 3800   | 372.6 | 8.6     | 75                 |

Magnet: ZYT = Ferrite; ZYN = Neodymium

### ● Motor Dimensions ( 外形尺寸图 )

