

# 78ZYN Rare Earth Magnet PMDC Motor

Magnet (磁铁) : Neodymium Iron 钕铁硼

Insulation Class 绝缘等级 : B , F

Protection 防护等级 : No

Shaft OD 出轴直径 : 8.0 mm

Bearing 轴承 : Ball

Winding 绕线选择 :

1. Voltage 工作电压范围 : 6 ~ 36VDC
2. Speed 额定转速范围 : 1,000 ~ 4,000 RPM
3. Power 输出功率范围 : < 350 W

● **Motor Specifications ( 马达特性 )**

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

| 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       |                    |
| 78ZYN150-12-37 | 12      | 3700    | 7       | 3000    | 34      | 10.8   | 1.06 | 332.5  | 81   | 44.7   | 4.38 | 140     | 108                |
| 78ZYN150-24-37 | 24      | 3700    | 3.5     | 3000    | 17      | 10.8   | 1.06 | 332.5  | 81   | 44.7   | 4.38 | 70      | 108                |

● **Motor Dimensions ( 外形尺寸图 )**

