

B2440NH2B | 内转子无槽带传感器 Inner Rotor, Slotless, Sensored

应用领域：医疗器械、工业设备等精密驱动领域。

Applications: precision drives in medical equipment, industrial automation fields.

主要技术指标 | Characteristics

| | | | 01-170-24.0 | 02-170-18.0 | 03-120-24.0 | |
|----|-----------------|--|------------------|-------------|-------------------------|-------|
| 1 | 电压 | Voltage | V | 24.0 | 18.0 | 24 |
| 2 | 端电阻 | Terminal resistance | Ω | 2.5 | 1.875 | 3.54 |
| 3 | 空载转速 | No-load speed | rpm | 17000 | 17000 | 12000 |
| 4 | 空载电流 | No-load current | A | 0.15 | 0.15 | 0.14 |
| 5 | 堵转转矩 | Stall torque | mNm | 125.4 | 94.1 | 124.2 |
| 6 | 堵转电流 | Stall current | A | 9.6 | 9.6 | 6.8 |
| 7 | 额定转矩 | Nominal torque | mNm | 18.2 | 13.7 | 18.2 |
| 8 | 额定转速 | Nominal speed | rpm | 14500 | 14500 | 10200 |
| 9 | 额定电流 | Nominal current | A | 1.52 | 1.14 | 1.07 |
| 10 | 最大输出功率 | Max. output power | W | 56 | 41.9 | 39 |
| 11 | 最大效率 | Max. efficiency | % | 76 | 43.5 | 49.7 |
| 12 | 反电势常数 | Back-EMF constant | mV/rpm | 1.4 | 1.0 | 2.0 |
| 13 | 转矩常数 | Torque constant | mNm/A | 13.3 | 10.0 | 18.7 |
| 14 | KV 值 | KV Value | rpm/V | 708.3 | 944.4 | 500.0 |
| 15 | 转速 / 转矩斜率 | Speed/torque gradient | rpm/mNm | 135.6 | 180.7 | 96.6 |
| 16 | 转子惯量 | Rotor inertia | gcm ² | 2 | 2 | 2 |
| 17 | 重量 | Weight | g | 80 | 80 | 80 |
| 18 | 热阻 (机壳 - 环境) | Thermal resistance housing-ambient | K/W | | 9 | |
| 19 | 热阻 (线圈 - 机壳) | Thermal resistance winding-housing | K/W | | 3.5 | |
| 20 | 热时常数 (电机) | Thermal time constant motor | s | | 620 | |
| 21 | 热时常数 (线圈) | Thermal time constant winding | s | | 4 | |
| 22 | 工作温度范围 | Operating temperature range | °C | | -40~+120 | |
| 23 | 绕组耐温等级 | Thermal class of winding | °C | | 155 | |
| 24 | 轴向间隙 | Axial play | mm | | 0.012 | |
| 25 | 径向间隙 | Radial play | mm | | 0.008 | |
| 26 | 动态轴向载荷 | Axial load dynamic | N | | 5 | |
| 27 | 静态轴向载荷 | Axial load static | N | | 80 | |
| 28 | 径向载荷 (距安装面 3mm) | Radial load at 3 mm from mounting face | N | | 29 | |
| 29 | 极对数 | No. of pole pairs | | | 1 | |
| 30 | 轴承 | Bearings | | | 2 枚滚动轴承/2 ball bearings | |
| 31 | 换向结构 | Commutation | | | 霍尔传感器/Hall Sensor | |
| 32 | 防护等级 | Protection class | | | IP 30 | |

★可选参数 Options: 导线长度 Lead wires length 轴长 Shaft length 性能 Special coils 齿轮箱 Gearheads 轴承类型 Bearing type 霍尔传感器 Hall sensor
编码器 Encoder 驱动器 Driver

外观图 | Outline Drawing

