

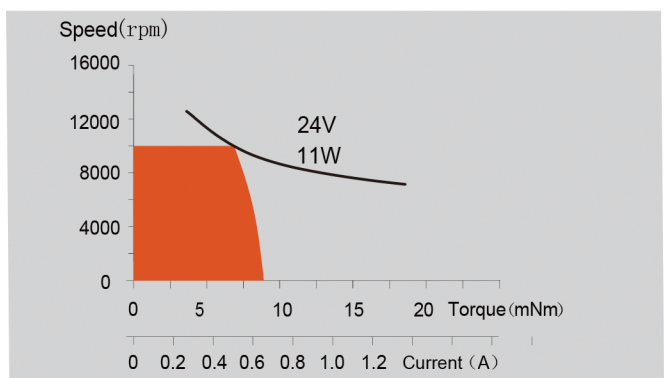
Motor Data

| 电机型号 | Motor model | | | BR224112B-D | BR224124B-D |
|----------|-----------------------|-----------|---------|-------------|-------------|
| 1 额定电压 | Nominal voltage | V | V | 12 | 24 |
| 2 空载转速 | No load speed | rpm | Wnl | 11700 | 12500 |
| 3 空载电流 | No load current | mA | InI | 513 | 235 |
| 4 额定转速 | Nominal speed | rpm | Wc | 9148 | 9912 |
| 5 额定转矩 | Nominal torque | mNm | Tc | 9 | 10.6 |
| 6 额定电流 | Nominal current | A | Ic | 1.1 | 0.65 |
| 7 输出功率 | Output power | W | Pc | 8.6 | 11 |
| 8 堵转扭矩 | Stall torque | mNm | Tmax | 26.2 | 36.4 |
| 9 堵转电流 | Stall current | A | Imax | 3.18 | 2.22 |
| 10 最大效率 | Max. efficiency | % | ηmax | 65.6 | 70.9 |
| 11 线间电阻 | Terminal resistance | Ω | Rt | 3.77 | 10.8 |
| 12 线圈电感 | Terminal inductance | L | mH | 1.5 | 3.9 |
| 13 力矩系数 | Torque constant | mNm / A | Kt | 8.22 | 16.4 |
| 14 速度常数 | Speed constant | rpm / V | Kn | 1162 | 582 |
| 15 速度扭矩比 | Speed torque gradient | rpm / mNm | Δn / ΔT | 283.6 | 244.2 |

Specifications

- 1 ambient temperature Ta -20~+65°C
- 2 Max.winding temperature Tcoilmax +85°C
- 3 Max.speed Nmax 13750rpm
- 4 axial play Δt 0.05~0.15mm
- 5 number of pole pairs p 1
- 6 number of commutator segments 3
- 7 weight of motor Wt 79g
- 8 Max.axial load(dynamic) 3.5N
- 9 Max.force for press fits(static) 60N
- 10 Max.radial load,4mm from flange 16N

Operating Range



Terminal definitions

