

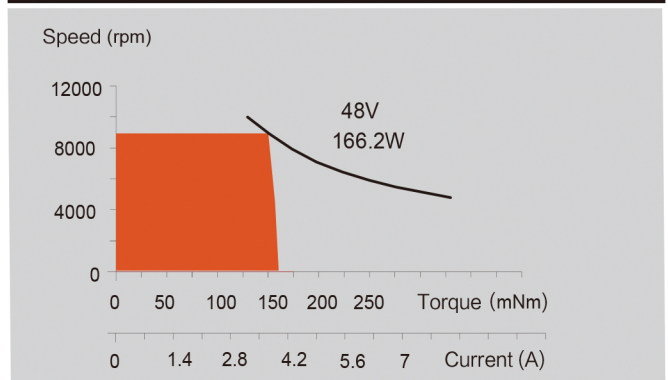
Motor Data

| 电机型号 | Motor model | | | SBR4011224Z-02 | SBR4011248Z-02 |
|----------|-----------------------|-----------|---------|----------------|----------------|
| 1 额定电压 | Nominal voltage | V | V | 24 | 48 |
| 2 空载转速 | No load speed | rpm | Wnl | 11100 | 10000 |
| 3 空载电流 | No load current | mA | InI | 350 | 150 |
| 4 额定转速 | Nominal speed | rpm | Wc | 10290 | 9300 |
| 5 额定转矩 | Nominal torque | mNm | Tc | 140 | 170 |
| 6 额定电流 | Nominal current | A | Ic | 6.74 | 3.72 |
| 7 输出功率 | Output power | W | Pc | 150 | 166.2 |
| 8 堵转扭矩 | Stall torque | mNm | Tmax | 2076.2 | 2465.2 |
| 9 堵转电流 | Stall current | A | Imax | 100 | 53.93 |
| 10 最大效率 | Max. efficiency | % | ηmax | 93.3 | 93.1 |
| 11 线间电阻 | Terminal resistance | Ω | Rt | 0.24 | 0.89 |
| 12 线圈电感 | Terminal inductance | L | mH | 0.3 | 0.5 |
| 13 力矩系数 | Torque constant | mNm / A | Kt | 20.76 | 45.71 |
| 14 速度常数 | Speed constant | rpm / V | Kn | 460 | 208.9 |
| 15 速度扭矩比 | Speed torque gradient | rpm / mNm | Δn / ΔT | 5.04 | 3.9 |

Specifications

| | | |
|------------------------------------|----------|-------------|
| 1 ambient temperature | Ta | -20~+65°C |
| 2 Max.winding temperature | Tcoilmax | +85°C |
| 3 Max.speed | Nmax | 10000rpm |
| 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 | 620g |
| 8 Max.axial load(dynamic) | | 8N |
| 9 Max.force for press fits(static) | | 211N |
| 10 Max.radial load,4mm from flange | | 80N |

Operating Range



Terminal definitions

