

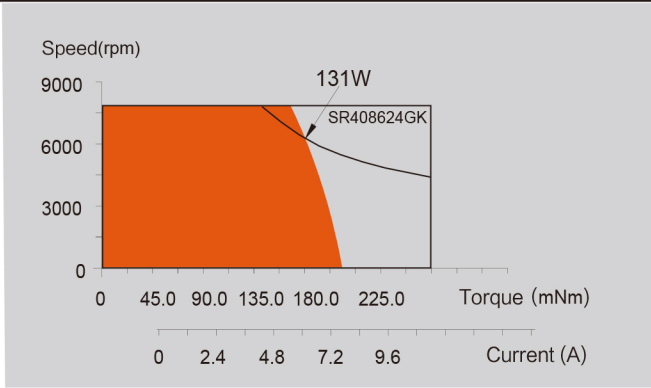
电机参数 Motor Data

| 电机型号 | Motor model | | | SR408624GK |
|-----------|-----------------------|------------------|---------|------------|
| 1 额定电压 | Nominal voltage | V | V | 24 |
| 2 空载转速 | No load speed | rpm | Wnl | 7600 |
| 3 空载电流 | No load current | mA | InI | 250 |
| 4 额定转速 | Nominal speed | rpm | Wc | 7000 |
| 5 额定转矩 | Nominal torque | mNm | Tc | 180 |
| 6 额定电流 | Nominal current | A | Ic | 6.06 |
| 7 输出功率 | Output power | W | Pc | 131 |
| 8 堵转扭矩 | Stall torque | mNm | Tmax | 2037 |
| 9 堵转电流 | Stall current | A | Imax | 68.6 |
| 10 最大效率 | Max. efficiency | % | ηmax | 80 |
| 11 线间电阻 | Terminal resistance | Ω | Rt | 0.35 |
| 12 力矩系数 | Torque constant | mNm / A | Kt | 29.7 |
| 13 速度常数 | Speed constant | rpm / V | Kn | 321 |
| 14 速度扭矩比 | Speed torque gradient | rpm / mNm | Δn / ΔT | 3.3 |
| 15 线间电感 | Terminal inductance | mH | L | 0.18 |
| 16 转子转动惯量 | Rotor inertia | gcm ² | J | 142.6 |

特性参数 Specifications

| | | |
|---|----------|--------------|
| 1 环境温度 ambient temperature | Ta | -30~+100 °C |
| 2 最大允许线圈温度 max. winding temperature | Tcoilmax | +155 °C |
| 3 最大允许速度 max. speed | Nmax | 8800rpm |
| 4 轴向窜动 axial play | Δt | 0.05-0.15 mm |
| 5 极对数 number of pole pairs | 2p | 1 |
| 6 换向器片数 number of commutator segments | | 13 |
| 7 马达重量 weight of motor | Wt | 494 g |
| 8 最大轴向载荷 (动态) Max. axial load (dynamic) | | 5.6N |
| 9 最大允许安装力 (静态) Max. force for press fits (static) | | 110N |
| 10 最大径向载荷 (离法兰4mm处) Max. radial load, 4 mm from flange | | 28N |

电机运行范围 Operating Range



接线定义 Terminal definitions

