

## J60ST-XDZ01

| 电机参数 (Motor Parameters)                                                   |                   | 指标 (Performance Metrics) |
|---------------------------------------------------------------------------|-------------------|--------------------------|
| 1 额定电压 (Rated Voltage)                                                    | VDC               | 220                      |
| 2 空载转速 (No-Load Speed)                                                    | r/min             | 14500~15000              |
| 3 空载电流 (No-Load Current)                                                  | A                 | ≤1.1                     |
| 4 额定转速 (Rated Speed)                                                      | r/min             | 12100~12800              |
| 5 额定转矩 (Rated Torque)                                                     | N·m               | 4.5                      |
| 6 额定电流 (Rated Current)                                                    | A                 | 27~29                    |
| 7 相间电阻 (Interphase Resistance)                                            | Ω                 | 0.72                     |
| 8 相间电感 (Interphase Inductance)                                            | mH                | 0.91                     |
| 9 机电时间常数 (Electromechanical Time Constant)                                | ms                | ≤6                       |
| 10 转子转动惯量 (Rotor Moment of Inertia)                                       | kg·m <sup>2</sup> | 3.44×10 <sup>-5</sup>    |
| 热参数 (Thermal Parameters)                                                  |                   |                          |
| 11 最高绕组温度 (Maximum Winding Temperature)                                   | ℃                 | 220                      |
| 12 绝缘等级 (Insulation Class)                                                |                   | C                        |
| 机械参数 (Mechanical Parameters)                                              |                   |                          |
| 13 轴向间隙 (Axial Clearance)                                                 | mm                | ≤0.03                    |
| 14 径向间隙 (Radial Clearance)                                                | mm                | ≤0.03                    |
| 其他参数 (Other Parameters)                                                   |                   |                          |
| 15 电机质量 (Motor Mass)                                                      | g                 | 2390                     |
| 16 极对数 (Number of Poles)                                                  |                   | 2                        |
| 产品组成 (Product Composition)                                                |                   |                          |
| 永磁同步电动机+制动器 (Permanent Magnet Synchronous Motor Product and Brake System) |                   |                          |
| 机械特性 (转速-转矩/功率曲线) Mechanical Characteristics (Speed-Torque/Power Curve)   |                   |                          |



