

小型高速滚珠电主轴  
DGZ-03380/0.54-PG  
**使用说明书**

## 附录 2、主轴技术参数表(Spindle Technical Specifications)

| 主轴型号<br>Type                                               | DGZ-03380 / 0.54-PG                            |                                                              |                                                              |
|------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| 电机类型<br>Motor Type                                         | 异步感应<br>Asynchronous                           | 夹头类型<br>Collet Type                                          | Φ3 直柄夹头<br>B049 draw-in collet<br>standard Φ3<br>(option Φ4) |
| 最高频率 (Hz)<br>Max. Frequency                                | 1334                                           | 最高转速 (rpm)<br>Max. Speed                                     | 80000                                                        |
| 最高电压 (V)<br>Max. Voltage                                   | 60                                             | 最大电流 (A)<br>Max. Current                                     | 15.8                                                         |
| 连续额定输出功率<br>(S1-100%/ kW)<br>Rated Power(S1-100%)          | 0.45                                           | 连续周期工作制时的额<br>定输出功率<br>(S6-40%/ kW)<br>Rated Power(S6-40%)   | 0.54                                                         |
| 连续额定输出扭矩<br>(S1-100%/ N·m)<br>Rated Torque(S1-100%)        | 0.1                                            | 连续周期工作制时的额<br>定输出扭矩<br>(S6-40%/ N·m)<br>Rated Torque(S6-40%) | 0.12                                                         |
| 电机绕组绝缘电阻<br>(MΩ)<br>Motor winding insulation<br>resistance | ≥500 (H 级)                                     | 电机绕组耐压试验<br>(V/M)<br>Motor winding withstand<br>voltage test | 500V/1 分钟耐电压试验<br>500V/1min High-voltage<br>Holding Test     |
| 测温传感器类型<br>Stator temperature sensor<br>type               | KTY                                            | 换刀方式<br>Tool-change                                          | 气缸换刀<br>Pneumatic tool change                                |
| 电机极数<br>Motor Poles                                        | 2                                              |                                                              |                                                              |
| 序号                                                         | 技术参数(Technical Specifications)                 |                                                              |                                                              |
| 1                                                          | 气缸卸刀气压 (Mpa)<br>Unclamping pressure (Mpa)      | 0.56-0.60                                                    |                                                              |
| 2                                                          | 夹持扭矩 (N·cm)<br>Chuck torque (N·cm)             | ≥25.4(Φ3 刀柄) (Φ3 tool)                                       |                                                              |
| 3                                                          | 轴端径向跳动 (mm)<br>Radial Run-out (mm)             | ≤0.005                                                       |                                                              |
| 4                                                          | 振动值(mm/s)<br>Vibration (mm/s)                  | ≤1.0                                                         |                                                              |
| 5                                                          | 噪声值 (dBA)<br>Noise (dBA)                       | ≤85                                                          |                                                              |
| 6                                                          | 主轴气封气流量 (L/min)<br>Recommended Air Seal(L/min) | 40-60(0.15MPa)                                               |                                                              |
| 7                                                          | 装配面直径 (mm)<br>Diameter(mm)                     | Φ33h6                                                        |                                                              |