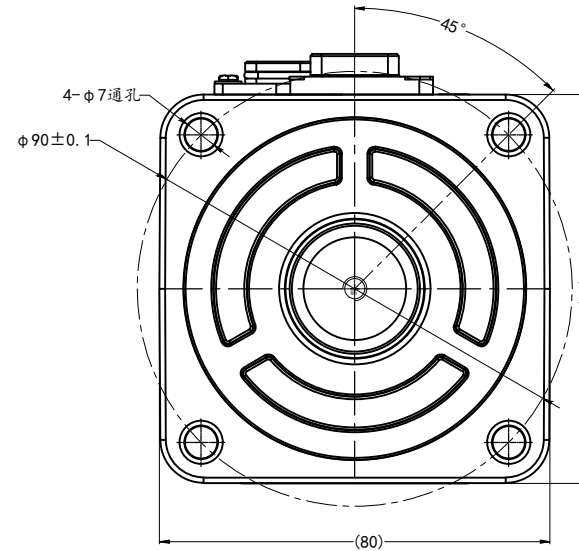
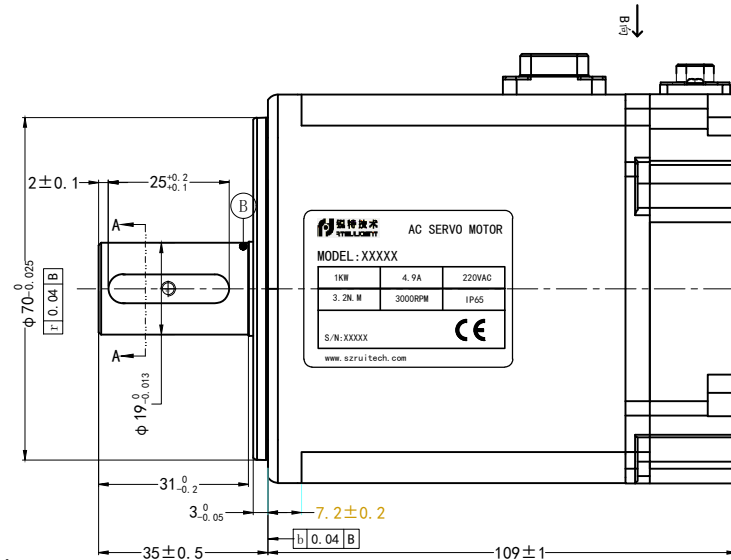


永磁交流伺服电动机规格书  
PERMANENT MAGNET AC SERVO MOTOR SPECIFICATION

| 版本<br>REV | 变更号<br>ECN NO | 变更内容<br>CONTENT CHANGED | 处数<br>NO. | 日期<br>DATE | 设计<br>DESIGN |
|-----------|---------------|-------------------------|-----------|------------|--------------|
|           |               |                         |           |            |              |
|           |               |                         |           |            |              |



使用说明:

Instructions

使用环境温度-20—55° C不结冰

Operating ambient temperature -20—55 ° C no ice

使用环境湿度20%—80%RH不结露

Operating environment humidity 20%—80%rh no condensation

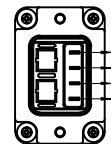
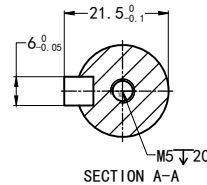
1000m以下使用, 1000m以上请降额使用, 具体参照海拔降额曲线

For use below 1000m, please reduce the rating for use above 1000m.

Refer to the altitude derating curve for details

参数列表

parameters List

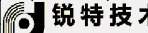


动力线底座

B向视图



编码器线底座

|                                |      |                                                          |                |                                                                                                                                       |           |            |                                                                                                    |                                                                                       |                                                                                                                                     |          |                                           |                     |          |            |            |                    |  |
|--------------------------------|------|----------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------|---------------------|----------|------------|------------|--------------------|--|
| 额定电压 Rated Voltage (V)         | 220  | 线电阻 Line-Line Resistance (Ω)                             | 1.5±10% (20℃)  | 编码器接线顺序(其中5、6号为多圈和光电编码器用)<br>magnetic encoder wiring sequence<br>(numbers 5 and 6 are used for multi turn and photoelectric encoders) |           |            |                                                                                                    |                                                                                       |                                                                                                                                     |          | 电机绕组接线顺序<br>Motor winding wiring sequence |                     |          |            |            |                    |  |
| 额定功率 Rated Power (W)           | 1000 | 线电感 Line-Line Inductance (mH)                            | 5.5±20% (20℃)  | 序号<br>Serial number                                                                                                                   | 1         | 2          | 3                                                                                                  | 4                                                                                     | 5                                                                                                                                   | 6        | 7                                         | 序号<br>Serial number | 1        | 2          | 3          | 4                  |  |
| 额定电流 Rated Current (A)         | 4.9  | 转动惯量 Rotor inertia(×10 <sup>-4</sup> kg·m <sup>2</sup> ) | 1.9            | 颜色<br>Color                                                                                                                           | 屏蔽        | 白<br>White | 黑<br>Black                                                                                         | 蓝<br>Blue                                                                             | 紫<br>Purple                                                                                                                         | 红<br>Red | 黄<br>Yellow                               | 颜色<br>Color         | 红<br>Red | 白<br>White | 黑<br>Black | 黄绿<br>Yellow/Green |  |
| 峰值电流 Peak Current (A)          | 7.3  | 绝缘等级 Insulation Class                                    | F              | 定义<br>Definition                                                                                                                      | PE        | VCC        | GND                                                                                                | SD+                                                                                   | SD-                                                                                                                                 | BAT+     | BAT-                                      | 定义<br>Definition    | U        | V          | W          | PE                 |  |
| 额定转速 Rated Speed (rpm)         | 3000 | 绝缘电阻 Insulation resistance                               | DC1000V ≥ 20MΩ | CTQ SIGN:  Customer  Process  Law                                                                                                     |           |            |                                                                                                    |                                                                                       |  锐特技术<br>Shenzhen Rteligent Technology Co.,Ltd |          |                                           |                     |          |            |            |                    |  |
| 最高转速 Peak Speed (rpm)          | 5000 | 防护等级 Protection class                                    | IP65           | 材料符合ROHS要求All Material Are To Be Rohs Compliant                                                                                       |           |            |                                                                                                    |                                                                                       |                                                                                                                                     |          |                                           |                     |          |            |            |                    |  |
| 额定转矩 Rated Torque (N.M)        | 3.2  | 允许最大径向负载Maximum allowable radial load(N)                 | 390            | NAMES                                                                                                                                 | SIGNATURE | DATE       | Unspecified tolerance                                                                              |                                                                                       | 视角                                                                                                                                  | 比例       | 单位                                        | 变更标识                | 名称       |            |            |                    |  |
| 峰值转矩 Peak Torque (N.M)         | 4.8  | 允许最大轴向负载Maximum allowable axial load(N)                  | 140            | 设计<br>DESIGN                                                                                                                          |           |            | 常规公差:Tolerances<br>角度Angles±0.1°<br>倒角Chamfer±0.3<br><br>Unit:mm<br>GB/T1804-M<br>ISO2768-1 ClassM |  | 1:1                                                                                                                                 | mm       | *                                         | 图号                  |          |            |            |                    |  |
| 反电势 Voltage Constant (V/Krpm)  | 44.7 | 重量 Weight (kg)                                           |                | 标准化<br>STANDARD                                                                                                                       |           |            |                                                                                                    | 件号                                                                                    | 1                                                                                                                                   | 版本       | A                                         | 表单编号                |          |            |            |                    |  |
| 力矩系数Torque Coefficient (N.M/A) | 0.65 |                                                          |                | 审核<br>CHECK                                                                                                                           |           |            |                                                                                                    | PART NUMBER                                                                           |                                                                                                                                     | REV      |                                           | Form Code           |          |            |            |                    |  |