

A

B

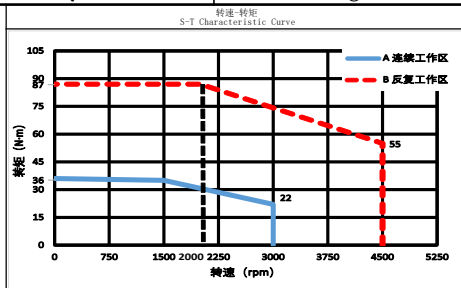
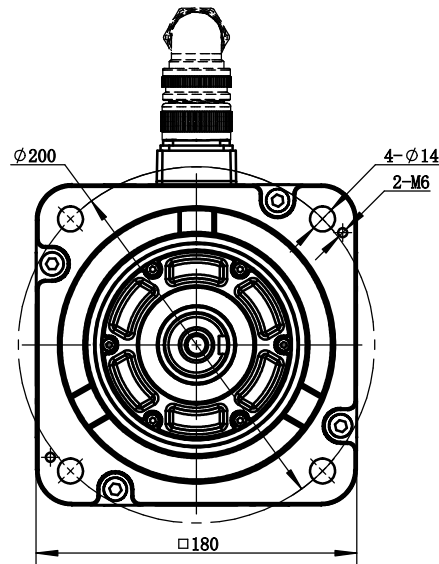
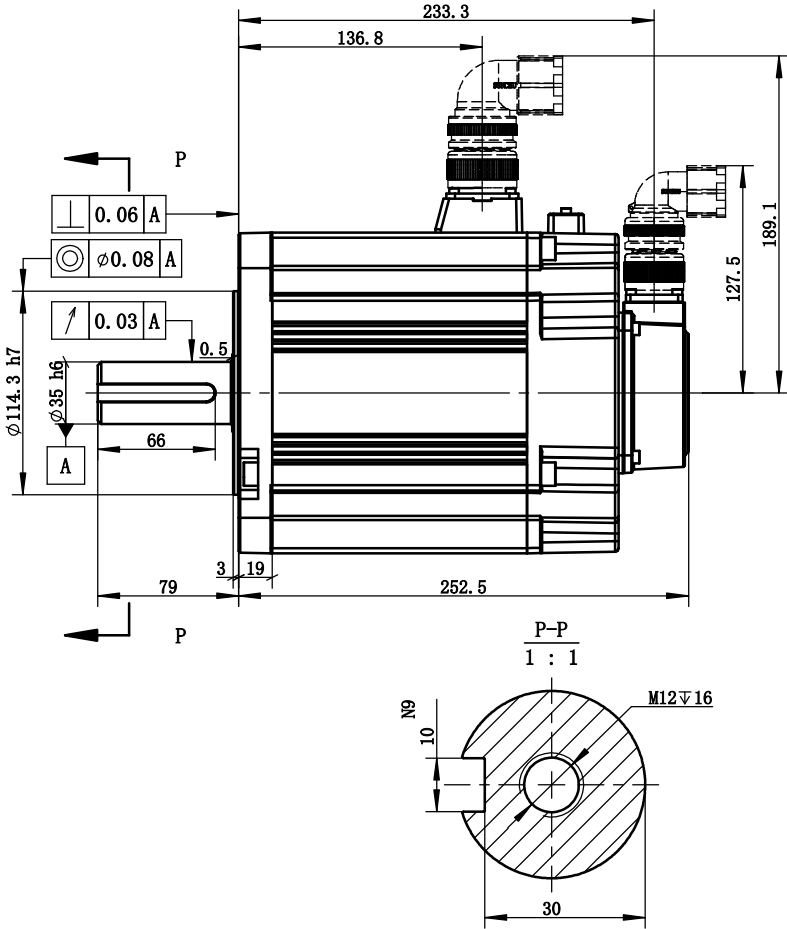
C

D

E

F

| 动力引出线<br>Power Connector |                    |           |             |          | 抱闸引出线<br>Brake Connector |            | 编码器引出线<br>Encoder Connector |             |           |           |              |          |              |  |
|--------------------------|--------------------|-----------|-------------|----------|--------------------------|------------|-----------------------------|-------------|-----------|-----------|--------------|----------|--------------|--|
| 位号<br>Terminal Number    | A                  | B         | C           | D        | 1                        | 2          | 1                           | 3           | 4         | 6         | 7            | 8        | 9            |  |
| 颜色<br>Color              | 黄绿<br>yellow-green | 蓝<br>blue | 黄<br>yellow | 红<br>red | 红<br>red                 | 黑<br>black | 屏蔽层<br>shielding layer      | 橙<br>orange | 蓝<br>blue | 灰<br>gray | 棕<br>brown   | 红<br>red | 绿<br>green   |  |
| 定义<br>Definition         | PE                 | W         | V           | U        | BK+                      | BK-        | 屏蔽线<br>shielding wire       | 485-        | 485+      | GND       | 电池-<br>cell- | 5V       | 电池+<br>cell+ |  |



| 抱闸属性<br>Properties of the Brake            |                                                                        |
|--------------------------------------------|------------------------------------------------------------------------|
| 额定电压<br>Rated Voltage                      | DC24±10%                                                               |
| 静摩擦转矩 * m<br>Static Friction Torque        | ≥58                                                                    |
| 额定功率<br>Rated Power                        | 30, 20℃                                                                |
| 吸引时间<br>Suction Time                       | ≤180 (出厂时, 20℃)<br>≤180 (At The Factory, 20℃)                          |
| 释放时间<br>Release Time                       | ≤80 (出厂时, 20℃)<br>≤80 (At The Factory, 20℃)                            |
| 吸引电压<br>Pickup Voltage                     | ≤DC16.8 (出厂时, 20℃)<br>≤DC16.8 (At The Factory, 20℃)                    |
| 释放电压<br>Release Voltage                    | ≥DC1.5 (出厂时, 20℃)<br>≥DC1.5 (At The Factory, 20℃)                      |
| 回转间隙<br>Rotational Clearance               | ≤0.5° (20%额定扭矩测试)<br>≤0.5° (20% Rated Torque Test)                     |
| 备注<br>Remark                               | 保持制动用, 禁止当刹车使用<br>Used to maintain braking, prohibit the use of brakes |
| 电机参数<br>Electric Machine Parameter         |                                                                        |
| 型号<br>Specification And Type               | MS6G-180CN15E2Z-4SP5                                                   |
| 惯量规格<br>Specification Of Inertia           | 中惯量<br>Moment Of Inertia                                               |
| 额定功率kW<br>Rated Power                      | 5.5                                                                    |
| 额定转矩 * m<br>Rated Torque                   | 35                                                                     |
| 瞬时最大转矩 * m<br>Instantaneous Maximum Torque | 87.5                                                                   |
| 额定电流A<br>Rated Current                     | 20.5                                                                   |
| 瞬时最大电流A<br>Instantaneous Maximum Current   | 51.25                                                                  |
| 额定转速rpm<br>Rated Rotation Speed            | 1500                                                                   |
| 最高转速rpm<br>Maximum Rotation Speed          | 4500                                                                   |
| 转动惯量 * m²<br>Rotor Moment Of Inertia       | 100530×10 <sup>-7</sup>                                                |
| 电压等级V<br>Voltage Level                     | 380                                                                    |
| 编码器规格<br>Specification Of The Encoder      | 19bit                                                                  |
| 径向允许负载<br>Radial allowable load            | 1764                                                                   |
| 轴向允许负载<br>Axial allowable load             | 588                                                                    |
| 耐压等级<br>Pressure Class                     | 1800V 60S                                                              |
| 绝缘电阻<br>Insulation Resistance              | 100MΩ DC500V以上<br>More Than 100MΩ DC500V                               |
| 绝缘等级<br>Class Of Insulation                | F                                                                      |
| 防护等级<br>Protection Level                   | IP 67 (不含轴端)<br>IP 67 (Exclude Shaft End)                              |
| 使用环境湿度<br>Humidity Of Use Environment      | 20%~90%RH (不结露)<br>20%~90%RH (Non-dewfall)                             |
| 使用环境温度℃<br>Operating Ambient Temperature   | -10℃~40℃ (不结露)<br>-10℃~40℃ (Non-frozen)                                |
| 储存湿度RH<br>Storage Humidity                 | 20%~90%RH (不结露)<br>20%~90%RH (Non-dewfall)                             |
| 储存温度℃<br>Storage temperature               | -20℃~60℃                                                               |
| 冷却方式<br>Cooling Type                       | 自然冷却<br>Natural Cooling                                                |

1 新归档

版本 更改方式 日期 签字 更改说明

设计 校对 审核 工艺

标准化 会签 会签 批准

阶段标记 版本 重量 比例

B 1 27kg 1:3

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XINJE 无锡信捷电气股份有限公司  
Wuxi Xinje Electric Co., Ltd.

5.5kW伺服电机

MS6G-180CN15E2Z-4SP5

注：拿取电机应手握电机壳体本体，严禁拉拽电动力线、编码器引出线。  
严禁敲打电机任何位置，轻拿轻放。

Note: Take the motor should hold the motor shell body. It is strictly prohibited to pull the power line of the motor and the lead line of the encoder.  
It is strictly prohibited to tap the motor, take and put it lightly.