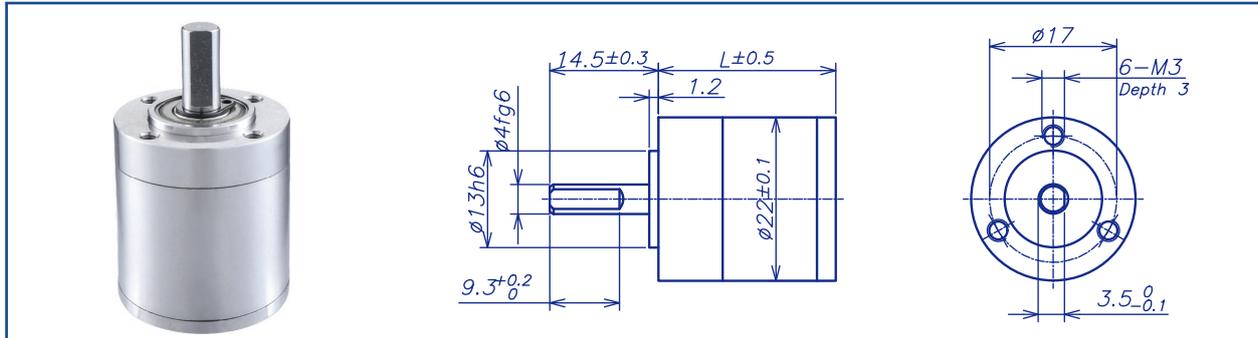


AM-22GP 系列



齿轮箱性质

| | | | |
|-------|-------|------------------|----------------------------|
| 齿轮种类 | 直齿 | 径向间隙 (法兰外8mm) | max. 0.1mm |
| 输出轴 | 硬化不锈钢 | 允许静态安装力 | max. 100 N |
| 太阳轮 | 硬化合金钢 | 允许轴向负载 (动态) | max. 40N |
| 内齿圈 | 硬化不锈钢 | 输入速度 | 12000RPM |
| 连接端盖 | 不锈钢 | 环境温度 | -40°C ~ +100°C |
| 输出端轴承 | 滚珠轴承 | 环境湿度 | 10-90%RH |
| 轴向间隙 | 0-0.3 | 齿轮箱级数 | 1 2 3 4 |
| 转向 | 正转/反转 | 允许径向负载 (法兰外10mm) | 55N 75N 100N 100N |

齿轮箱数据

| 齿轮箱级数 | 1 | | | 2 | | 3 | | | 4 | | |
|---------------------------|------------|-----|-----|------------------------|-----------------------|--|---------------|-------------------------|---|--------------------------------------|---------------------------|
| 速比 X:1 | 3.1 | 4.0 | 6.0 | 10 13 16 | 19 24 36 | 31 40 50 59 64 | 75 96 | 113 144 216 | 158 186 201 237 256 302 | 356 384 453 576 | 679 864 1296 |
| 速比绝对值 | 22/7 | 4/1 | 6/1 | 484/49 88/7 16/1 | 132/7 24/1 36/1 | 10648/343 1936/49 352/7 2904/49 64/1 | 528/7 96/1 | 792/7 144/1 216/1 | 7744/49 63888/343 1408/7 11616/49 256/1 2112/7 | 17424/49 384/1 3168/7 576/1 | 4752/7 864/1 1296/1 |
| 适配电机轴最大直径 (mm) | 3 | 1.5 | | 3 | 1.5 | | 3 | 1.5 | | 3 | 1.5 |
| 齿轮箱长度 "L" (mm) | 18.9 | | | 23.7 | | 28.5 | | | 33.3 | | |
| 最大连续转矩 (N.m) | 0.4 | | | 0.7 | | 1.2 | | | 1.5 | | |
| 最大间歇转矩 (N.m) | 0.6 | | | 0.8 | | 1.4 | | | 1.7 | | |
| 平均无负载回差 | 1.1° | | | 1.3° | | 1.3° | | | 1.3° | | |
| 齿轮箱效率 | 90% | | | 81% | | 73% | | | 65% | | |
| 转动惯量 (g.cm ²) | 0.28 | | | 0.31 | | 0.31 | | | 0.31 | | |
| 齿轮箱重量 (g) | 45 | | | 55 | | 65 | | | 75 | | |
| 齿轮箱型号 | AM-22GPA-X | | | AM-22GPB-X | | AM-22GPC-X | | | AM-22GPD-X | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|--|------------|-------------|------------|------|------------|----------------------|-------------|---------------|------------|---------------------|---------------|---|----|----------------------|---------------|--------|---------------|--------|---------------|--------|---------------|--------|---------------|
| <p>AM-22GP 选配组合推荐方案</p> | | <p>起步齿数据</p> <table border="1"> <tr> <td>模数</td> <td>0.4</td> </tr> <tr> <td>压力角</td> <td>20°</td> </tr> <tr> <td>齿数</td> <td>9 15 21</td> </tr> <tr> <td>最大起步齿孔径 "A"</td> <td>1.5 3 3</td> </tr> <tr> <td>电机轴最大直径</td> <td>1.5 3 3</td> </tr> </table> | 模数 | 0.4 | 压力角 | 20° | 齿数 | 9 15 21 | 最大起步齿孔径 "A" | 1.5 3 3 | 电机轴最大直径 | 1.5 3 3 | <p>适配电机尺寸</p> | | | | | | | | | | | | |
| 模数 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 压力角 | 20° | | | | | | | | | | | | | | | | | | | | | | | | |
| 齿数 | 9 15 21 | | | | | | | | | | | | | | | | | | | | | | | | |
| 最大起步齿孔径 "A" | 1.5 3 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 电机轴最大直径 | 1.5 3 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>推荐电机</p> <table border="1"> <tr> <td>直流有刷电机</td> <td>AM-CL16***</td> <td>直流无刷电机</td> <td>AM-BL16***</td> </tr> <tr> <td></td> <td>AM-CL19***</td> <td></td> <td>AM-BL20***</td> </tr> <tr> <td></td> <td>AM-CL22***</td> <td></td> <td></td> </tr> </table> | | 直流有刷电机 | AM-CL16*** | 直流无刷电机 | AM-BL16*** | | AM-CL19*** | | AM-BL20*** | | AM-CL22*** | | | <p>推荐编码器:</p> <table border="1"> <tr> <td>适配有刷电机</td> <td>AM-EN1611S***</td> </tr> <tr> <td>磁电编码器:</td> <td>AM-EN2211S***</td> </tr> <tr> <td>光电编码器:</td> <td>AM-EN1611S***</td> </tr> <tr> <td>磁电编码器:</td> <td>AM-EN1611S***</td> </tr> <tr> <td>光电编码器:</td> <td>AM-EN1612T***</td> </tr> </table> | | 适配有刷电机 | AM-EN1611S*** | 磁电编码器: | AM-EN2211S*** | 光电编码器: | AM-EN1611S*** | 磁电编码器: | AM-EN1611S*** | 光电编码器: | AM-EN1612T*** |
| 直流有刷电机 | AM-CL16*** | 直流无刷电机 | AM-BL16*** | | | | | | | | | | | | | | | | | | | | | | |
| | AM-CL19*** | | AM-BL20*** | | | | | | | | | | | | | | | | | | | | | | |
| | AM-CL22*** | | | | | | | | | | | | | | | | | | | | | | | | |
| 适配有刷电机 | AM-EN1611S*** | | | | | | | | | | | | | | | | | | | | | | | | |
| 磁电编码器: | AM-EN2211S*** | | | | | | | | | | | | | | | | | | | | | | | | |
| 光电编码器: | AM-EN1611S*** | | | | | | | | | | | | | | | | | | | | | | | | |
| 磁电编码器: | AM-EN1611S*** | | | | | | | | | | | | | | | | | | | | | | | | |
| 光电编码器: | AM-EN1612T*** | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <p>参考减速电机总长 "Lt"</p> <table border="1"> <tr> <td>Lt=L1+L2+L3</td> <td>41.9</td> <td>74.4</td> <td>80.5</td> </tr> <tr> <td>齿轮箱长度 L₁</td> <td>18.9</td> <td>23.7</td> <td>28.5</td> </tr> <tr> <td>电机长度 L₂</td> <td>23</td> <td>40</td> <td>40</td> </tr> <tr> <td>编码器长度 L₃</td> <td>-</td> <td>10.7</td> <td>12</td> </tr> </table> | | Lt=L1+L2+L3 | 41.9 | 74.4 | 80.5 | 齿轮箱长度 L ₁ | 18.9 | 23.7 | 28.5 | 电机长度 L ₂ | 23 | 40 | 40 | 编码器长度 L ₃ | - | 10.7 | 12 | | | | | | |
| Lt=L1+L2+L3 | 41.9 | 74.4 | 80.5 | | | | | | | | | | | | | | | | | | | | | | |
| 齿轮箱长度 L ₁ | 18.9 | 23.7 | 28.5 | | | | | | | | | | | | | | | | | | | | | | |
| 电机长度 L ₂ | 23 | 40 | 40 | | | | | | | | | | | | | | | | | | | | | | |
| 编码器长度 L ₃ | - | 10.7 | 12 | | | | | | | | | | | | | | | | | | | | | | |

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