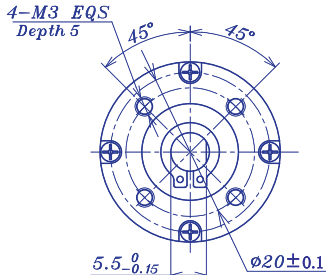
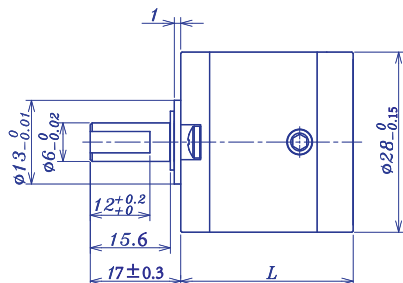
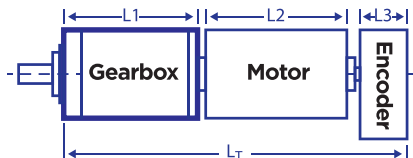
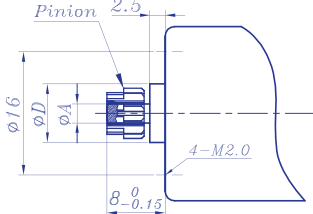


AM-28P 系列

|                                                                                                                                                                                                                                                                   |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------|-----|--|--|--|--|-----|-----|--|--|--|--|----|---|----|----|----|----|------------|-----|-----|-----|--|--|---------|-----|-----|-----|--|--|-------------|------|--|--|--|--|---------------------------------------------------------------------------------------|
| <div></div> |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 齿轮箱性质                                                                                                                                                                                                                                                             |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 齿轮种类                                                                                                                                                                                                                                                              | 直齿                                                                                                              | 平均无负载回差                                                                                                                                                                                                                                                                                                                                                                                       | ≤2°              |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 输出轴                                                                                                                                                                                                                                                               | 硬化不锈钢                                                                                                           | 径向间隙                                                                                                                                                                                                                                                                                                                                                                                          | ≤0.1             |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 太阳轮                                                                                                                                                                                                                                                               | 合金钢                                                                                                             | 允许轴向负载                                                                                                                                                                                                                                                                                                                                                                                        | ≤80N             |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 内齿圈                                                                                                                                                                                                                                                               | 钢                                                                                                               | 允许静态安装力                                                                                                                                                                                                                                                                                                                                                                                       | ≤150N (安装端面外5mm) |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 连接端盖                                                                                                                                                                                                                                                              | 铝合金                                                                                                             | 输入速度                                                                                                                                                                                                                                                                                                                                                                                          | ≤8000RPM         |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 输出端轴承                                                                                                                                                                                                                                                             | 滚珠轴承                                                                                                            | 环境温度                                                                                                                                                                                                                                                                                                                                                                                          | -20°C ~ +100°C   |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 轴向间隙                                                                                                                                                                                                                                                              | 0-0.3                                                                                                           | 环境湿度                                                                                                                                                                                                                                                                                                                                                                                          | 10-90%RH         |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 转向                                                                                                                                                                                                                                                                | 正转/反转                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                               |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 齿轮箱数据                                                                                                                                                                                                                                                             |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 齿轮箱级数                                                                                                                                                                                                                                                             | 1                                                                                                               | 2                                                                                                                                                                                                                                                                                                                                                                                             | 3                | 4                    |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 速比 X:1                                                                                                                                                                                                                                                            | 3.4                                                                                                             | 12 18 28                                                                                                                                                                                                                                                                                                                                                                                      | 40 74 129        | 296 534 1016         |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   | 3.8                                                                                                             | 13 19 29                                                                                                                                                                                                                                                                                                                                                                                      | 45 85 152        | 327 637 1136         |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   | 4.4                                                                                                             | 15 20 35                                                                                                                                                                                                                                                                                                                                                                                      | 50 95 184        | 375 760 1304         |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   | 5.3                                                                                                             | 17 23 44                                                                                                                                                                                                                                                                                                                                                                                      | 56 106 233       | 405 860 1556         |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   | 6.7                                                                                                             | 26                                                                                                                                                                                                                                                                                                                                                                                            | 65 121 296       | 447 965 1975         |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 速比绝对值                                                                                                                                                                                                                                                             | 24/7                                                                                                            | 576/49 18/1 441/16                                                                                                                                                                                                                                                                                                                                                                            | 13824/343 189/2  | 85169/288 194481/256 |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   | 23/6                                                                                                            | 92/7 484/25 88/3                                                                                                                                                                                                                                                                                                                                                                              | 2208/49 3381/32  | 122452/375 7744/9    |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   | 22/5                                                                                                            | 529/36 16//18 35/1                                                                                                                                                                                                                                                                                                                                                                            | 1053/21 4851/40  | 234256/625 15435/16  |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   | 21/4                                                                                                            | 253/15 231/10 400/9                                                                                                                                                                                                                                                                                                                                                                           | 12167/2 1936/15  | 25921/64 64000/63    |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   | 20/3                                                                                                            | 230/9                                                                                                                                                                                                                                                                                                                                                                                         | 5819/90 3200/21  | 53361/100 92000/81   |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               | 5566/75 735/4    | 101871/160 35200/27  |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   |                                                                                                                 | 10648/125 700/3                                                                                                                                                                                                                                                                                                                                                                               | 14000/9          |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   |                                                                                                                 | 8000/27                                                                                                                                                                                                                                                                                                                                                                                       | 160000/81        |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 齿轮箱长度 "L" (mm)                                                                                                                                                                                                                                                    | 26.9                                                                                                            | 33.2                                                                                                                                                                                                                                                                                                                                                                                          | 39.5             | 45.8                 |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 最大连续转矩 (N·m)                                                                                                                                                                                                                                                      | 1.3                                                                                                             | 1.7                                                                                                                                                                                                                                                                                                                                                                                           | 2.1              | 2.6                  |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 最大间歇转矩 (N·m)                                                                                                                                                                                                                                                      | 1.9                                                                                                             | 2.6                                                                                                                                                                                                                                                                                                                                                                                           | 3.2              | 3.8                  |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 齿轮箱效率                                                                                                                                                                                                                                                             | 90%                                                                                                             | 81%                                                                                                                                                                                                                                                                                                                                                                                           | 72%              | 65%                  |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 转动惯量 (g·cm²)                                                                                                                                                                                                                                                      | 1                                                                                                               | 0.9                                                                                                                                                                                                                                                                                                                                                                                           | 0.6              | 0.6                  |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 齿轮箱重量 (g)                                                                                                                                                                                                                                                         | 78                                                                                                              | 102                                                                                                                                                                                                                                                                                                                                                                                           | 126              | 149                  |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 齿轮箱型号                                                                                                                                                                                                                                                             | AM-28PA-X-01                                                                                                    | AM-28PB-X-01                                                                                                                                                                                                                                                                                                                                                                                  | AM-28PC-X-01     | AM-28PD-X-01         |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| AM-28P 选配组合推荐方案                                                                                                                                                                                                                                                   |                                                                                                                 | 起步齿数据                                                                                                                                                                                                                                                                                                                                                                                         |                  | 适配电机尺寸               |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                |                                                                                                                 | <table><tr><td>模数</td><td colspan="5">0.4</td></tr><tr><td>压力角</td><td colspan="5">20°</td></tr><tr><td>齿数</td><td>9</td><td>12</td><td>15</td><td>18</td><td>21</td></tr><tr><td>最大起步齿孔径"A"</td><td>1.5</td><td>3.0</td><td colspan="3">4.0</td></tr><tr><td>电机轴最大直径</td><td>1.5</td><td>3.0</td><td colspan="3">4.0</td></tr><tr><td>最大电机凸台直径"D"</td><td colspan="5">10.0</td></tr></table> |                  | 模数                   | 0.4 |  |  |  |  | 压力角 | 20° |  |  |  |  | 齿数 | 9 | 12 | 15 | 18 | 21 | 最大起步齿孔径"A" | 1.5 | 3.0 | 4.0 |  |  | 电机轴最大直径 | 1.5 | 3.0 | 4.0 |  |  | 最大电机凸台直径"D" | 10.0 |  |  |  |  |  |
| 模数                                                                                                                                                                                                                                                                | 0.4                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                               |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 压力角                                                                                                                                                                                                                                                               | 20°                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                               |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 齿数                                                                                                                                                                                                                                                                | 9                                                                                                               | 12                                                                                                                                                                                                                                                                                                                                                                                            | 15               | 18                   | 21  |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 最大起步齿孔径"A"                                                                                                                                                                                                                                                        | 1.5                                                                                                             | 3.0                                                                                                                                                                                                                                                                                                                                                                                           | 4.0              |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 电机轴最大直径                                                                                                                                                                                                                                                           | 1.5                                                                                                             | 3.0                                                                                                                                                                                                                                                                                                                                                                                           | 4.0              |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 最大电机凸台直径"D"                                                                                                                                                                                                                                                       | 10.0                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                               |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
| 推荐电机:<br>直流有刷电机<br>AM-CL25***<br>AM-CL28***<br><br>直流无刷电机<br>AM-BL28<br>AM-BL24                                                                                                                                                                                   | 推荐编码器:<br>适配有刷电机<br>磁电编码器:<br>AM-EN1611S***<br><br>适配无刷电机<br>磁电编码器:<br>AM-EN1611S***<br>光电编码器:<br>AM-EN2412T*** | 参考减速电机总长 "LT"                                                                                                                                                                                                                                                                                                                                                                                 |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   |                                                                                                                 | LT=L1+L2+L3                                                                                                                                                                                                                                                                                                                                                                                   |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   |                                                                                                                 | 齿轮箱长度 L <sub>1</sub>                                                                                                                                                                                                                                                                                                                                                                          |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   |                                                                                                                 | 电机长度 L <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                           |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |
|                                                                                                                                                                                                                                                                   |                                                                                                                 | 编码器长度 L <sub>3</sub>                                                                                                                                                                                                                                                                                                                                                                          |                  |                      |     |  |  |  |  |     |     |  |  |  |  |    |   |    |    |    |    |            |     |     |     |  |  |         |     |     |     |  |  |             |      |  |  |  |  |                                                                                       |

联系销售人员或访问我司网站[www.assunmotor.com.cn](http://www.assunmotor.com.cn)来获取此电子版样本册。