



ZWBPD032032

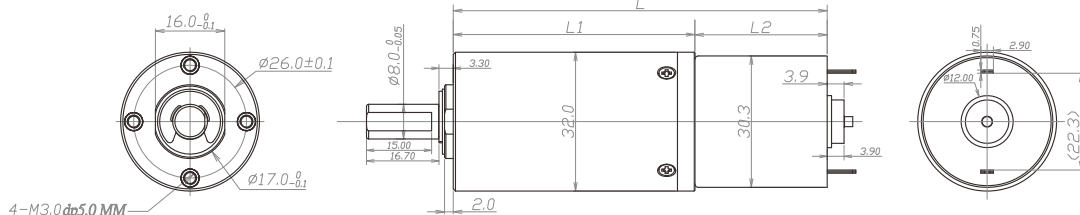
齿轮箱规格 Gearbox specifications

| | | | | |
|----------------------------|------------|--|---------------------|----------------------|
| 外径 Outer diameter | 32mm | 轴承 Bearing | 烧结轴承 Porous Bearing | 滚动轴承 Rolling bearing |
| 材质 Material | 塑料 Plastic | 轴向窜动 Axial endplay | ≤0.1mm | ≤0.1mm |
| 旋转方向 Direction of rotation | cc & ccw | 输出轴径向负载 Radial loading on output shaft | ≤50N | ≤100N |
| 齿轮箱回程差 Gear backlash | ≤3° (可定制) | 工作温度 Operating temperature range | -20 ~ +85°C | |

齿轮级数 Gearbox stages

| | 1 | 2 | 3 | 4 |
|---|-------|--------------|---------------------|------------------------------|
| 减速比 Reduction ratio | 4 / 6 | 16 / 24 / 33 | 67 / 94 / 133 / 188 | 272 / 383 / 540 / 763 / 1076 |
| 最大容许扭力 (gf.cm max) Max rated torque of gear box | 30000 | 30000 | 30000 | 30000 |
| 瞬间容许力矩 (gf.cm max) Instant torque of gear box | 80000 | 80000 | 80000 | 80000 |
| 齿轮箱效率 Gearbox efficiency | 85 | 73 | 65 | 58 |
| 长度 Length | 25.7 | 35.7 | 45.7 | 55.7 |

技术插图 | Technical illustrations



马达规格参数 Motor specifications

| | | | |
|---------------------------|---|------------------|-----------|
| 马达(可选择) Motors(Optional) | 空心杯电机、无刷电机、步进电机 Coreless motor, brushless motor, Stepper motor | 输入速度 Input speed | ≤15000rpm |
| 电压(可选择) Voltage(Optional) | 3-24V | 电流 Current | 300MA max |

参考数据 (马达定义值): 24v 7700rpm 下表根据马达定义值测试, 数据只作为参考值

| 型号 Model | Rated Speed 额定转速 | Max Speed 最高转速 | Max Rated Torque 额定容许力矩 | Max Instant Torque 瞬间容许力矩 | Reduction ratio 减速比 | Length 减速箱长 L1 | Overall Length 总长 L |
|------------------|---------------------|-------------------|----------------------------|------------------------------|------------------------|-------------------|------------------------|
| | rpm | rpm | gf.cm | gf.cm | | mm | mm |
| ZWBPD032032-4 | 1875 | 7500 | 30000 | 80000 | 4 | 25.7 | 68.2 |
| ZWBPD032032-6 | 1250 | 5000 | 30000 | 80000 | 6 | | |
| ZWBPD032032-16 | 469 | 1875 | 30000 | 80000 | 16 | 35.7 | 78.2 |
| ZWBPD032032-24 | 313 | 1250 | 30000 | 80000 | 24 | | |
| ZWBPD032032-33 | 227 | 909 | 30000 | 80000 | 33 | | |
| ZWBPD032032-67 | 112 | 448 | 30000 | 80000 | 67 | | |
| ZWBPD032032-94 | 80 | 319 | 30000 | 80000 | 94 | 45.7 | 88.2 |
| ZWBPD032032-133 | 56 | 226 | 30000 | 80000 | 133 | | |
| ZWBPD032032-188 | 40 | 160 | 30000 | 80000 | 188 | | |
| ZWBPD032032-272 | 28 | 110 | 30000 | 80000 | 272 | 55.7 | 98.2 |
| ZWBPD032032-383 | 20 | 78 | 30000 | 80000 | 383 | | |
| ZWBPD032032-540 | 14 | 56 | 30000 | 80000 | 540 | | |
| ZWBPD032032-763 | 10 | 39 | 30000 | 80000 | 763 | | |
| ZWBPD032032-1076 | 7 | 28 | 30000 | 80000 | 1076 | | |

注: 可根据客户要求定制 Can customize product as requirements