

DC PLANETARY GEAR MOTOR

DM-16RP030 机加款 machining

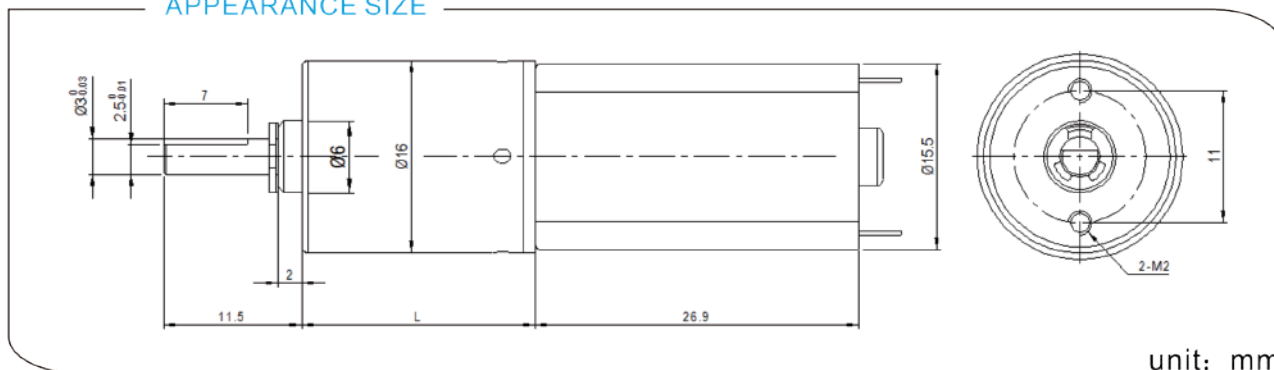
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter, spotlight, tissue machine, office equipments, household appliances, automatic actuator



APPEARANCE SIZE



unit: mm

齿轮箱参数/Gearbox Data:

| 级数 Number of stages | 1 | 2 | 3 | 4 | 5 |
|------------------------------------|--------|---------|-----------|-------------|-----------|
| 减数比 Reduction Ratio i | 4、4.75 | 16、22.5 | 64、79、107 | 256、361、509 | 1024、2418 |
| 齿轮箱长度 Gearbox Length L (mm) | 12.2 | 15.8 | 19.4 | 23 | 26.6 |
| 破坏扭力 Breaking Torque(kgf.cm) | 2 | 3 | 4 | 5 | 5 |
| 齿轮箱效率 Gearbox Efficiency η | 90% | 81% | 73% | 65% | 59% |

电机参数/Driving Motor Data:

| DC Motor Model | Rated | No Load | | Max Efficiency Load | | | | Stall | |
|------------------|-------|---------|-------|---------------------|---------|---------|-------|--------|---------|
| | 电压 | 电流 | 转速 | 电流 | 转速 (nm) | 扭矩 (tm) | 率功 | 扭矩 | 电流 |
| | Volt. | Current | Speed | Current | Speed | Torque | P.out | Torque | Current |
| | V | mA | r/min | mA | r/min | gf.cm | W | gf.cm | mA |
| DM-030-003-8000 | 3 | ≤55 | 8000 | ≤250 | 6000 | 4 | 0.2 | ≥16 | ≥500 |
| DM-030-003-15000 | 3 | ≤80 | 10500 | ≤300 | 7200 | 5 | 0.4 | ≥20 | ≥750 |
| DM-030-006-8000 | 6 | ≤30 | 8000 | ≤120 | 5000 | 4 | 0.2 | ≥16 | ≥150 |
| DM-030-006-10500 | 6 | ≤40 | 10500 | ≤160 | 7000 | 5 | 0.4 | ≥20 | ≥400 |

减数电机参数/Geared Motor Data :

| Gear Motor Model | 额定电压 Rated voltage | No load | | Max Efficiency Load | | | | Stall | |
|---------------------------|-----------------------|---------|-------|---------------------|--------|--------|-------|--------|---------|
| | | 电流 | 转速 | 电流 | 转速 (n) | 扭矩 (t) | 率功 | 扭矩 | 电流 |
| | | Current | Speed | Current | Speed | Torque | P.out | Torque | Current |
| | V | A | r/min | A | r/min | kgf.cm | W | kgf.cm | A |
| DM-16RP030-0039000-256K | 3 | 0.12 | 31.9 | 0.29 | 22.2 | 0.8 | 0.18 | 2.6 | 0.7 |
| DM-16RP030-00610400-509K | 6 | 0.09 | 14.0 | 0.23 | 8.9 | 1.1 | 0.11 | 3.1 | 0.39 |
| DM-16RP030-00610400-2418K | 6 | 0.09 | 3.8 | 0.17 | 2.4 | 4.77 | 0.12 | 12.8 | 0.31 |
| DM-16RP030-00615500-107K | 6 | 0.19 | 133.6 | 0.57 | 100.2 | 1.07 | 1.1 | 4.3 | 1.71 |
| DM-16RP030-01213000-304K | 12 | 0.05 | 38.4 | 0.12 | 26.6 | 0.87 | 0.24 | 2.8 | 0.28 |

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩*齿轮箱减数比*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ($n=n_m/i$)

Gear Motor Output Torque=DC Motor Torque*Gear Ratio*Gearbox Efficiency. ($t=t_m*i*\eta$)