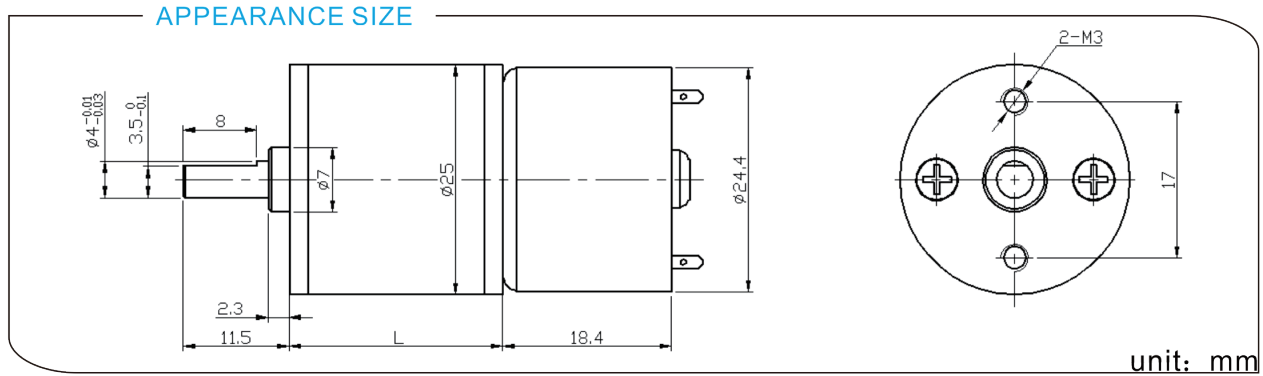


DC SPUR GEAR MOTOR DM-25RS310

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



齿轮箱参数/Gearbox Data:

| 级数 Number of stages | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------------------------|-------------|------------------|---------------|---------------------|-----------------|---------------------|
| 减数比 Reduction Ratio i | 9.3、10、11.5 | 20.4、21、23、25、28 | 45、55.4、62、69 | 86、99、110、122、135.5 | 217、241、268、409 | 478、531、590、656、729 |
| 齿轮箱长度 Gearbox Length L (mm) | 17 | 19 | 21 | 23 | 25 | 27 |
| 破坏扭力 Breaking Torque(kgf.cm) | 6 | 8 | 10 | 12 | 14 | 14 |
| 齿轮箱效率 Gearbox Efficiency η | 73% | 65% | 59% | 53% | 48% | 43% |

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) | 功率 | 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-310-006-3000 | 6 | ≤20 | 3000 | ≤60 | 2300 | 5 | 0.1 | ≥20 | ≥135 |
| DM-310-006-4500 | 6 | ≤40 | 4500 | ≤120 | 3200 | 7 | 0.2 | ≥28 | ≥240 |
| DM-310-006-6000 | 6 | ≤35 | 6000 | ≤140 | 4500 | 10 | 0.5 | ≥40 | ≥600 |
| DM-310-012-3000 | 12 | ≤15 | 3000 | ≤40 | 2300 | 5 | 0.1 | ≥20 | ≥70 |
| DM-310-012-4500 | 12 | ≤20 | 4500 | ≤55 | 3200 | 7 | 0.2 | ≥28 | ≥120 |

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) | 功率 | 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 |
| DM-25RS310-0032300-217K | 3 | 0.01 | 9.6 | 0.05 | 7.2 | 0.45 | 0.03 | 1.77 | 0.16 |
| DM-25RS310-4.59000-478K | 4.5 | 0.11 | 18.1 | 0.33 | 13.5 | 2.50 | 0.35 | 7.8 | 0.98 |
| DM-25RS310-0065200-20.4K | 6 | 0.04 | 232.9 | 0.14 | 173.7 | 0.11 | 0.19 | 0.42 | 0.44 |
| DM-25RS310-7.56500-217K | 7.5 | 0.06 | 27.6 | 0.19 | 20.2 | 1.29 | 0.27 | 4.86 | 0.56 |
| DM-25RS310-0124500-99K | 12 | 0.02 | 40.1 | 0.05 | 28.4 | 0.46 | 0.13 | 1.57 | 0.12 |

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 ($n=n_{mi}$)

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