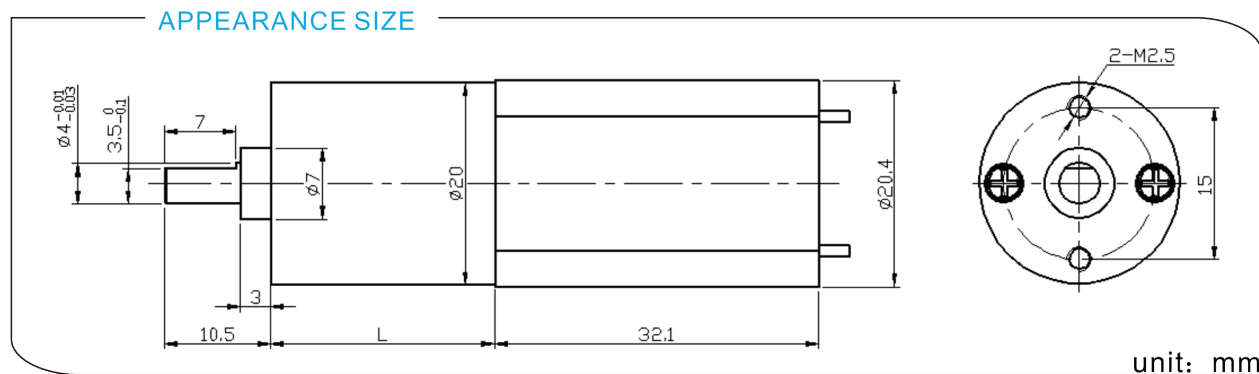


## DC SPUR GEAR MOTOR DM-20RS180

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<br>Number of stages          | 4     | 5        | 6             | 7               | 8               |
|---------------------------------|-------|----------|---------------|-----------------|-----------------|
| 减数比<br>Reduction Ratio i        | 18、23 | 35、44、55 | 67、84、105、132 | 161、202、252、316 | 386、484、606、758 |
| 齿轮箱长度<br>Gearbox Length L (mm)  | 16.2  | 17.7     | 19.2          | 20.7            | 22.2            |
| 破坏扭力<br>Breaking Torque(kgf.cm) | 2     | 4        | 6             | 8               | 8               |
| 齿轮箱效率<br>Gearbox Efficiency η   | 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-180-006-6000 | 6     | ≤65     | 6000  | ≤260    | 5100                | 15      | 0.8   | ≥55    | ≥1150   |
| DM-180-012-6000 | 12    | ≤27     | 6000  | ≤150    | 5100                | 15      | 0.8   | ≥55    | ≥430    |
| DM-180-012-9000 | 12    | ≤80     | 9000  | ≤260    | 7000                | 20      | 1.4   | ≥80    | ≥1000   |
| DM-180-024-9000 | 24    | ≤50     | 9000  | ≤150    | 7800                | 20      | 1.6   | ≥80    | ≥550    |

### 减数电机参数/Geared Motor Data :

| Gear Motor Model         | 额定电压<br>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 | A       |
| DM-20RS180-0039500-67K   | 3                     | 0.21    | 139.9 | 0.91                | 115.5  | 0.68   | 0.81  | 3.90   | 4.21    |
| DM-20RS180-0039500-84K   | 3                     | 0.24    | 109.9 | 1.09                | 86.5   | 1.09   | 0.97  | 5.10   | 4.21    |
| DM-20RS180-0069000-55K   | 6                     | 0.08    | 162.4 | 0.39                | 133.9  | 0.57   | 0.79  | 3.30   | 1.81    |
| DM-20RS180-00614000-202K | 6                     | 0.21    | 68.5  | 0.97                | 56.5   | 2.71   | 1.57  | 15.40  | 4.51    |
| DM-20RS180-01211000-55K  | 12                    | 0.09    | 196.1 | 0.33                | 159.2  | 0.85   | 1.38  | 4.50   | 1.35    |

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<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)