

# MODEL:25GA310



输出功率：约0.1~3.0W  
精密金属齿轮减速电机

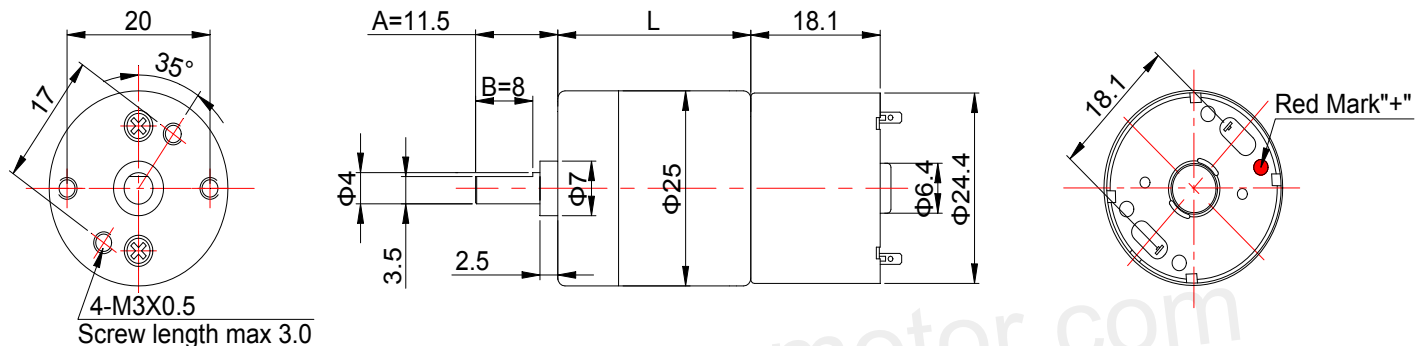
OUTPUT: APPROX 0.1~3.0W  
Precision Metal Gear Motor

典型应用： 智能家居  
智能机器人  
医疗器械  
电动玩具

Typical Applications: Smart Home Appliance  
Smart Robot  
Medical Instruments  
Electric Toys

## 1. OUTLINE DRAWING:

UNIT:MM



Customizable Parameters:

1. Length L、A and B
2. Electric Performance
3. Output shaft specifications
4. Reduction Ratio

WEIGHT: 80g(Approx)

View:



## 2. GEARBOX REDUCTION RATIO:

| Gearbox Length (mm) | Stage Number | Reduction Ratio |        |       |      |  | Rated Torque | Bearable Maximum Instant Torque |
|---------------------|--------------|-----------------|--------|-------|------|--|--------------|---------------------------------|
|                     |              |                 |        |       |      |  |              |                                 |
| 19                  | 4            | 15.5/1          | 20.4/1 |       |      |  | 1.0          | 3.0                             |
| 21                  | 5            | 26/1            | 30/1   | 34/1  | 45/1 |  | 2.0          | 6.0                             |
| 23                  | 6            | 57/1            | 75/1   | 98/1  |      |  | 2.5          | 7.0                             |
| 25                  | 7            | 125/1           | 165/1  | 217/1 |      |  | 3.0          | 8.0                             |
| 27                  | 8            | 274/1           | 362/1  | 478/1 |      |  | 3.0          | 8.0                             |

## 3. MOTOR PERFORMANCE :

1N.m≈10.2kg.cm≈14.2oz.in

| MODEL               | REDUCTION RATIO | VOLTAGE         |         | NO LOAD |         | AT MAXIMUM EFFICIENCY |         |        |        | STALL  |         |
|---------------------|-----------------|-----------------|---------|---------|---------|-----------------------|---------|--------|--------|--------|---------|
|                     |                 | OPERATING RANGE | NOMINAL | SPEED   | CURRENT | SPEED                 | CURRENT | TORQUE | OUTPUT | TORQUE | CURRENT |
|                     |                 |                 | V       | rpm     | A       | rpm                   | A       | kg.cm  | W      | kg.cm  | A       |
| 25GA310-75-1292     | 75/1            | 3.0~12.0        | 12.0    | 92      | 0.03    | 74                    | 0.51    | 0.5    | 0.39   | 2.6    | 0.36    |
| 25GA310-98-0650     | 98/1            | 3.0~6.0         | 6.0     | 50      | 0.045   | 41                    | 0.19    | 1.1    | 0.45   | 6.0    | 0.76    |
| 25GA310-362-1224    | 362/1           | 3.0~12.0        | 12.0    | 24      | 0.032   | 20                    | 0.11    | 2.2    | 0.44   | 12.0   | 0.44    |
| 25GA310-478-03.68.2 | 478/1           | 2.0~5.0         | 3.6     | 8.2     | 0.04    | 6.3                   | 0.14    | 1.5    | 0.10   | 6.6    | 0.46    |