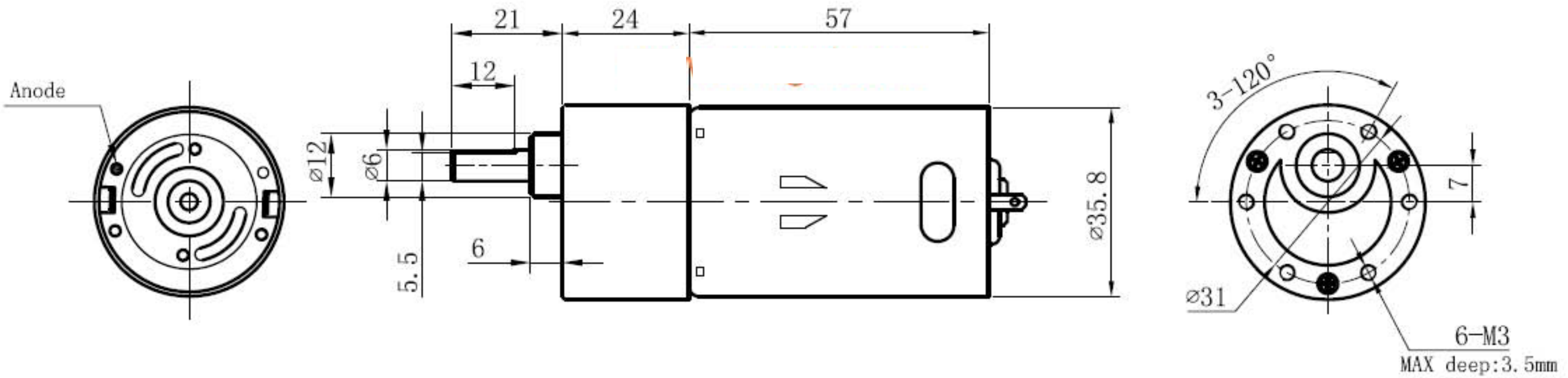


## OUTLINE



### 1. STANDARD OPERATING CONDITIONS

- |                            |   |
|----------------------------|---|
| 1.1 RATED VOLTAGE:         | DC 12V  |
| 1.2 OPERATING TEMPERATURE: | -10-+60° C  |
| 1.3 DIRECTION ROTATION:    | CLOCKWISE WHEN VIEWING MOTOR OUTPUT SIDE WITH POSITIVE VOLTAGE APPLIED TO POSITIVE (RED) TERMINAL |

### 2. MEASURING CONDITIONS

- |                     |  |
|---------------------|--|
| 2.1 RATED VOLTAGE:  | DC 12V                                   |
| 2.2 TEMPERATURE:    | 27° C                                    |
| 2.3 HUMIDITY:       | 65%RH                                    |
| 2.4 MOTOR POSITION: | MOTOR TO BE HELD WITH SHAFT HORIZONTALLY |

### 3. ELECTRICAL CHARACTERISTICS (at initial stage after 30 seconds run-in)

- |                      |                   |
|----------------------|-------------------|
| 3.1 No Load          |                   |
| 3.1.1 Speed:         | 39 ± 10%rpm       |
| 3.1.2 Current:       | 0.08A (0.16A max) |
| 3.2 On Load          |                   |
| 3.2.1 Rated Torque:  | 6kg. cm           |
| 3.2.2 Rated Current: | 0.32A (0.45A max) |
| 3.2.3 Rated Speed :  | 32 ± 10%rpm       |