## 25mm 12V 250RPM Heavy Duty High Torque Gear Box DC Motor

#### Feature:

Gearhead motor

High quality

With metal cover

Built-in cooling fan

Heavy duty design

Runs in either direction by reversing power supply polarity

Benefiting from high torque and low noise, this motor is solidly constructed and ready to install in numerous applications

# Specifications:

Diameter: 25mm

Length (excluding shaft): 51.8mm

Total length: 67.3mm Shaft length: 11.5mm Shaft diameter: 4mm

Front panel 3.0mm Screw for fixing this motor

Nominal voltage: 12V DC

Operating voltage range: 6 - 18V DC No load speed at 12 V: 250rpm

Load speed: 175 rpm Load current: 240A Operating torque: 0.95kg.cm Stall torque: 38kg.cm Stall current: 1200A

No load current: 50A

Stall current: 1200A Gear ratio: 34 Power: 4W Weight: 90g

### Application:

Mainly used for remote-controlled car, electric motorbike, ATV, Kart, robot, rolling blind and electric projector, etc.

### Warning:

Do not frequently stall the motor, or else the gear of motor will be broken.

Owing to large torque and high power, the starting current of motor is relatively large, up to 6A. After starting the motor, the current will be back to normal, about 1A~2A. You should choose high power supply above 10A, or else you cannot start the motor.



