

## 25mm 12V 50RPM 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): 55.8mm  
Total length: 71.3mm  
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: 50rpm  
No load current: 50A  
Load speed: 40 rpm  
Load current: 240A  
Operating torque: 4.78kg.cm  
Stall torque: 18kg.cm  
Stall current: 1200A  
Gear ratio: 171  
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.

