

25mm 6V 646RPM 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): 47.8mm
Total length: 63.3mm
Shaft length: 11.5mm
Shaft diameter: 4mm
Front panel 3.0mm Screw for fixing this motor
Nominal voltage: 6V DC
Operating voltage range: 3 - 9V DC
No load speed at 6 V: 646rpm
No load current: 60A
Load speed: 516rpm
Load current: 300A
Operating torque: 0.23kg.cm
Stall torque: 1.5kg.cm
Stall current: 900A
Gear ratio: 9.28
Power: 2W
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.

