

24V/45Kg-cm/182RPM/18:1 DC Gear Motor



The DCM4002 is a 24 volt motor, generating 45 kg-cm of torque with a top speed of 182 RPM. For more details on the torque and speed characteristics of the motor, see the torque curves document on the Resources tab.

This motor has a high rated current, so we recommend you use the DCC1000. See the Connection & Compatibility tab for more information.

Product Specifications

Motor Properties

| | |
|--------------------------------|-------------|
| Motor Type | DC Motor |
| Output Power (Mechanical) | 124 W |
| Maximum Speed at Rated Voltage | 182 RPM |
| Rated Torque | 45 kg·cm |
| Stall Torque | 267.7 kg·cm |

Electrical Properties

| | |
|---------------|---------|
| Rated Voltage | 24 V DC |
| Rated Current | 6.5 A |
| Stall Current | 22 A |

Physical Properties

| | |
|----------------|--------|
| Shaft Diameter | 12 mm |
| Wire Length | 300 mm |
| Weight | 2.1 kg |

Gearbox Specifications

| | |
|---------------------------|-----------|
| Gearbox Type | Planetary |
| Gear Ratio | 18:1 |
| Number of Gear Trains | 2 |
| Maximum Strength of Gears | 25 N·m |
| Backlash Error | 3° |