# 24V/34Kg-cm/241RPM/4.25:1 DC Gear Motor



The DCM4001 is a 24 volt motor, generating 34 kg-cm of torque with a top speed of 241 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	241 RPM
Rated Torque	34 kg⋅cm
Stall Torque	202.2 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	1.9 kg

#### **Gearbox Specifications**

Gearbox Type	Planetary
Gear Ratio	4.25:1
Number of Gear Trains	1

Maximum Strength of Gears  $6 \text{ N} \cdot \text{m}$  Backlash Error  $3^{\circ}$