

24V/162Kg-cm/50RPM/65:1 DC Gear Motor



The DCM4003 is a 24 volt motor, generating 162 kg-cm of torque with a top speed of 50 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	50 RPM
Rated Torque	162.5 kg·cm
Stall Torque	966.6 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	2.2 kg

Gearbox Specifications

Gearbox Type	Planetary
Gear Ratio	65:1
Number of Gear Trains	3
Maximum Strength of Gears	50 N·m
Backlash Error	3°