

12V/0.9Kg-cm/285RPM 14:1 DC Gear Motor



Product Description

The 3262 is a 12 volt gear motor, generating 0.9 Kg-cm of torque at 285 RPM. This motor is quite compact considering the amount of power it can output.

The planetary gearbox on this motor is more sophisticated than a typical spur gearbox and will provide greater efficiency, higher torque, and quieter motor operation.

This revision of the 3262 uses a slightly different motor with different specifications. Please refer to the spec table for more information.

Product Specifications

Motor Properties

Motor Type	DC Motor
Output Power (Mechanical)	2.5 W
Maximum Speed at Rated Voltage	285 RPM
Rated Torque	900 g·cm
Stall Torque	5 kg·cm

Electrical Properties

Rated Voltage	12 V DC
Rated Current	370 mA
Stall Current	1.5 A

Physical Properties

Shaft Diameter	6 mm
Weight	170 g
Recommended Wire Size (Motor)	20 – 25 AWG

Gearbox Specifications

Gearbox Type	Planetary
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Gear Ratio	13 212□289 : 1
Number of Gear Trains	2
Maximum Strength of Gears	12 kg·cm
Shaft Maximum Axial Load	35 N
Shaft Maximum Radial Load	25 N
Backlash Error	3°