# 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 amout 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 M	1otor
Output Power (Mechanical)	2.5	W
Maximum Speed at Rated Voltage	285	RPM
Rated Torque	900	$g \cdot cm$
Stall Torque	5 kg	J·cm

### **Electrical Properties**

Rated	Voltage	12 \	/ DC
Rated	Current	370	mΑ
Stall	Current	1.5	Α

## **Physical Properties**

Shaft Diameter 6 mm Weight 170 g

Recommended Wire Size (Motor) 20 - 25 AWG

### **Gearbox Specifications**

Gearbox Type Planetary

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 3°

Backlash Error