

# 24V/14.2Kg-cm/192RPM 13:1 DC Gear Motor



## Product Description

The 3270 is a 24 volt gear motor, generating 14.3 Kg-cm of torque at 192 RPM. It's a large motor that provides lots of torque, even at higher speeds.

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 3270 has had its rear shaft and mounting holes changed to be compatible with the [3531 – Optical Rotary Encoder HKT22](#).

## Product Specifications

### Motor Properties

Motor Type	DC Motor
Output Power (Mechanical)	30 W
Maximum Speed at Rated Voltage	192 RPM
Rated Torque	14.3 kg·cm
Stall Torque	95.5 kg·cm

### Electrical Properties

Rated Voltage	24 V DC
Rated Current	2.2 A
Stall Current	10.8 A

### Physical Properties

Shaft Diameter	12 mm
Wire Length	300 mm
Weight	1.5 kg

### Gearbox Specifications

Gearbox Type	Planetary
Gear Ratio	12 24□25 : 1

Number of Gear Trains	2
Maximum Strength of Gears	153 kg·cm
Shaft Maximum Axial Load	200 N
Shaft Maximum Radial Load	100 N
Backlash Error	3°