

# 57DMWH115 NEMA23 Gearless Brushless Motor



The DCM4112 is a 24 volt brushless DC motor, generating 4.9 Kg-cm of torque at 4000 RPM.

Brushless DC motors provide convenient position and velocity control through the use of their built in hall-effect sensor. They run quieter and last longer than their brushed counterparts.

## Connection

This motor must be controlled by a brushless DC motor controller that has the capability to both send control signals to the three motor wires, and also read the hall-effect feedback from the other five wires. Have a look at the Compatible Products tab for a list of compatible Phidget controllers.

## Comes Packaged with



## Product Specifications

### Motor Properties

Motor Type	Brushless DC Motor
Number of Poles	4
Manufacturer Part Number	57DMWH115-2440
Output Power (Mechanical)	205 W
Rated Torque	5.7 kg·cm
Maximum Speed at Rated Voltage	4000 RPM

### Electrical Properties

Rated Current	9 A
Rated Voltage	30 V DC
Coil Resistance	500 mΩ

### **Physical Properties**

Mounting Plate Size	23
Operating Temperature Min	-20 °C
Operating Temperature Max	40 °C