

Description:**6V 100/210/300RPM Encoder Motor DC Gear Motor****Fixed Support Mounting Bracket for This Encoder Motor: Product ID: 1044065****Specification:**

Voltage: DC 6.0V

Speed: 100/210/300RPM

Shaft diameter: 4mm

Length: 12mm

Encoder motor end 11 signals

Terminal connection length 20cm

Rated Voltage	DC 6V	DC 6V	DC 6V
No-load Speed	100RPM 0.13A	210RPM 0.13A	300RPM 0.1A
Max Efficiency	1.0kg.cm/80rpm/1.7W/0.5A	2.0kg.cm/170rpm/2.0W/0.60A	0.7kg.cm/245rpm/1.2W/0.4A
Max Power	3.0kg.cm/55rpm/2.8W/1.0A	5.2kg.cm/110rpm/3.1W/1.10A	1.8kg.cm/160rpm/2W/0.8A
Stall Torque	6.5kg.cm 3.0A	10kg.cm 3.2A	3.6kg.cm 2.7A
Retarder Reduction Ratio	1 : 75	1 :34	1 : 20
Hall Resolution	11 x Ratio 74.83 = 823.1PPR	Hall x Ratio 34.02 = 341.2PPR	11 x Ratio 20.4 = 224.4PPR

Note:

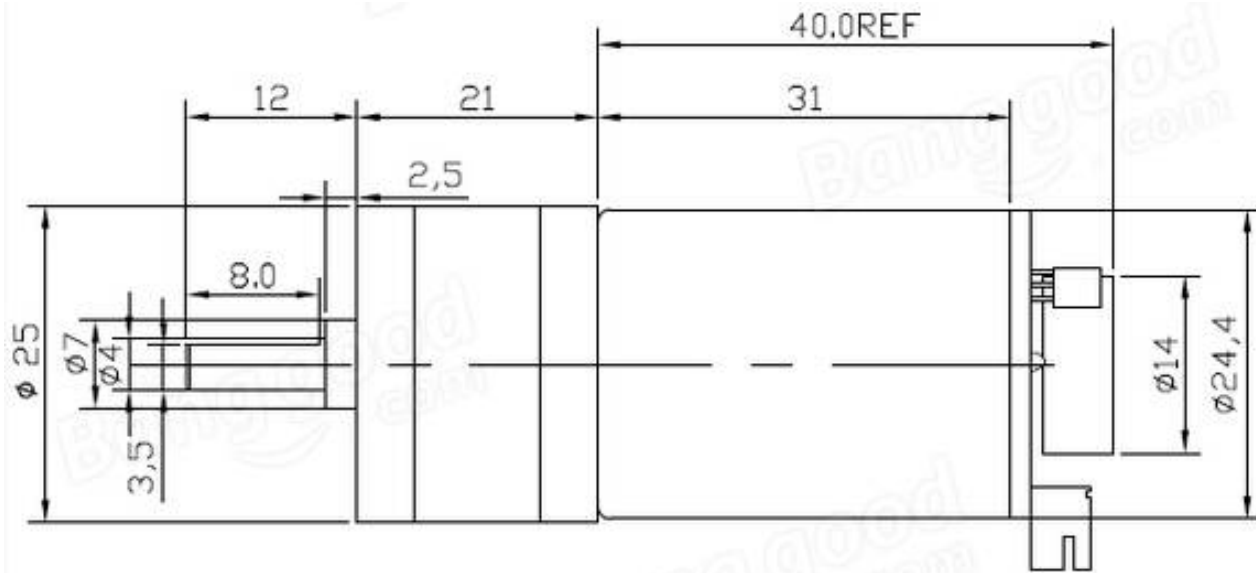
The table above has an error on the Max Power row. The 100 RPM motor has a max power of 5.2kg.cm/55rpm/2.86W/1.0A. The 210 RPM motor has a max power of 3.0kg.cm/110rpm/3.3W/1.10A

The table also has an error on the Stall Torque row. The 100 RPM motor has a Stall Torque of 10kg.cm at 3.2A. The 210 RPM motor has a Stall Torque of 6.5kg.cm at 3.0A.



- 1-M1 motor — Green**
2-GND Encoder — Orange
3-Encoder A phase Yellow
4-Encoder B phase White
5-3V3 Encoder + Red
6-M1 motor + Black

Outline Drawing:

**Note:**

Please note that the package includes one motor only.
100/210/300RPM is available.

Package Included:

1 x Encoder Motor

More Details:











