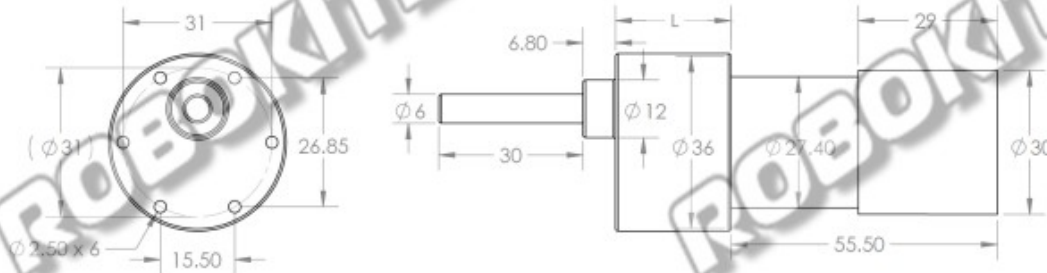


**Model Number**  
**RMCS-3013**

**High Torque Quad Encoder Geared DC Motor 12V**  
**100RPM**

**Mechanical Drawing (Dimensions are in mm)**



10RPM	L=28.5mm
30RPM	L=28.5mm
60RPM	L=26.5mm
100RPM	L=26.5mm
200RPM	L=25mm
300RPM	L=25mm
600RPM	L=22mm
900RPM	L=22mm

**Technical specifications of Motor**

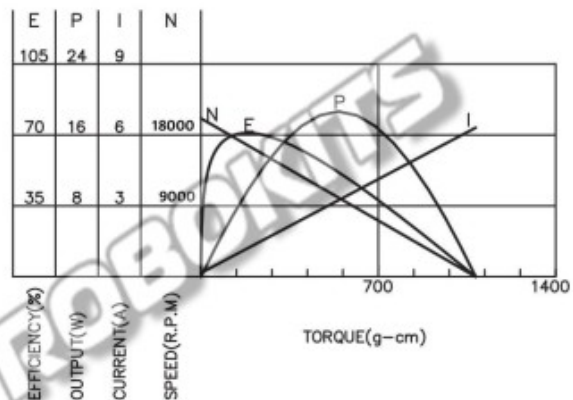
Motor Type	High Torque DC Geared Motor
Operating voltage	12V DC
Motor Speed at Output Shaft (RPM)	100RPM
Stall Torque(Kgcm)	27.18Kgcm
Rated Torque(Kgcm)	12.5Kgcm
Gear Ratio	1 : 180
CPR at Output Shaft of Motor	9360
Weight	180gm

**Encoder Pinouts**

Encoder Type	Quad Encoder
Quad Encoder	13 Hall Sensor
Base Motor CPR	13*4=52
Orange	EncA
Red	EncB
Yellow	Motor+
Green	Motor-
Brown	+5V DC
Black	Gnd

**Base Motor Specifications**

Nominal voltage(V)	12V
No-Load Speed (RPM)	18000
Rated Torque (gcm)	151
No-load current (A)	0.8A
Load current(A)	up to 7.5 A(Max)



**Base Motor Characteristic Graph**



**RHINO**