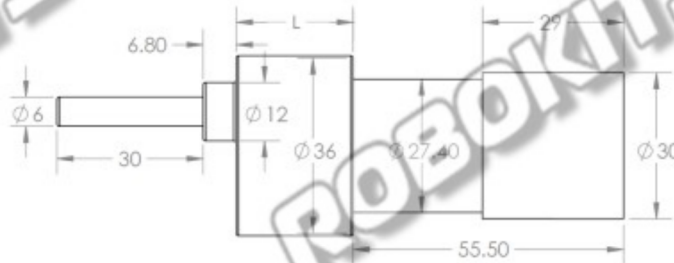
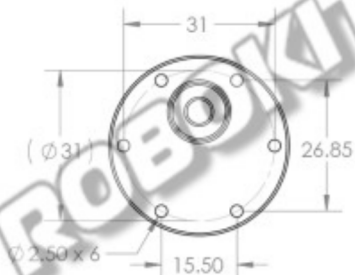


**Model Number**  
**RMCS-3011**

**Jonhson Quad Encoder Geared DC Motor 12V**  
**10RPM**

**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**

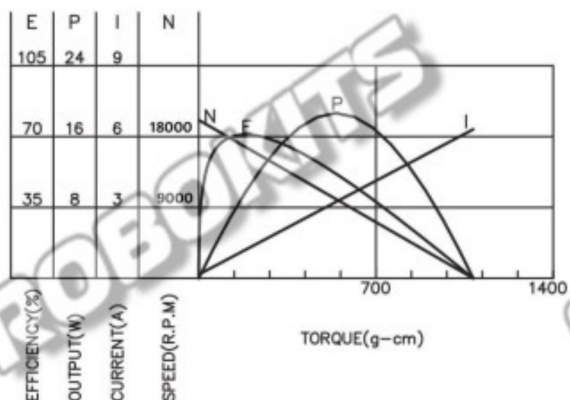
Motor Type	<b>Johnson DC Geared Motor</b>
Operating voltage	12V DC
Motor Speed at Output Shaft (RPM)	10RPM
Stall Torque(Kgcm)	120Kgcm(Gearbox Breaking Torque is 30Kgcm)
Rated Torque(Kgcm)	50Kgcm(Gearbox Breaking Torque is 30Kgcm)
Gear Ratio	1:1620
CPR at Output Shaft of Motor	84240
Weight	180gm

**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**

