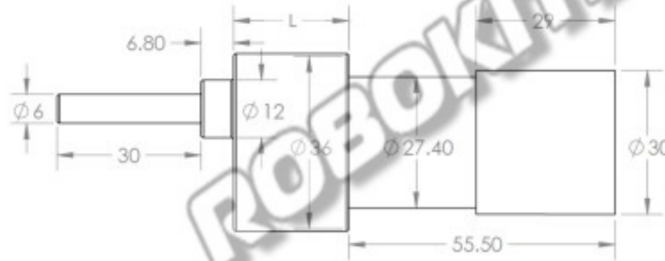
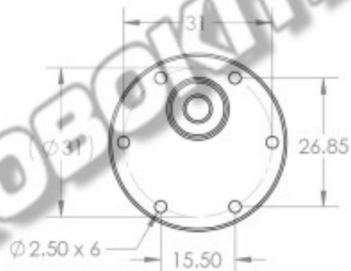


**Model Number**  
**RMCS-3015**

## Johnson Quad Encoder Geared DC Motor 12V 300RPM

### 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

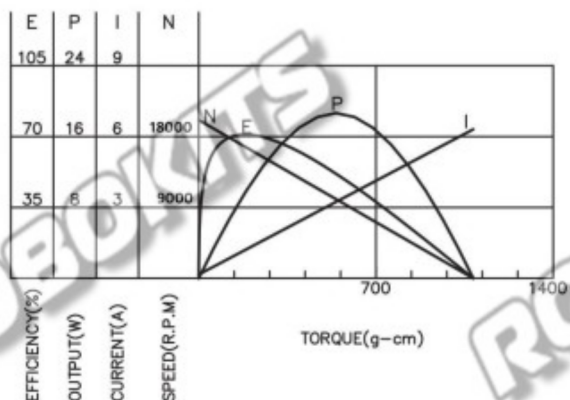
Motor Type	<b>Johnson DC Geared Motor</b>
Operating voltage	12V DC
Motor Speed at Output Shaft (RPM)	300RPM
Stall Torque(Kgcm)	9.06Kgcm
Rated Torque(Kgcm)	4.5Kgcm
Gear Ratio	1 : 60
CPR at Output Shaft of Motor	3120
Weight	180gm

#### 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**