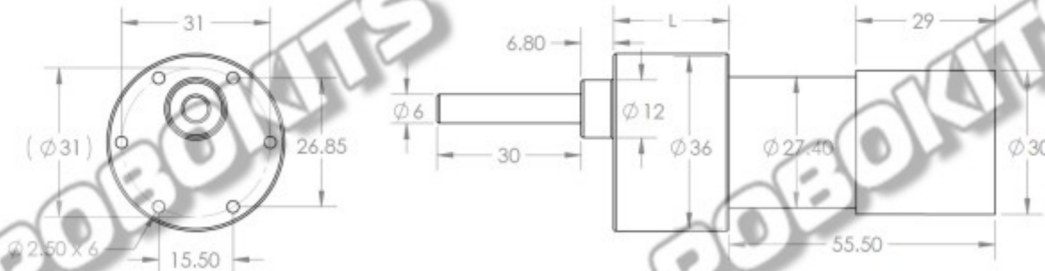


**Model Number**  
**RMCS-3017**

**Jonhson Quad Encoder Geared DC Motor 12V**  
**900RPM**

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



**Technical specifications of Motor**

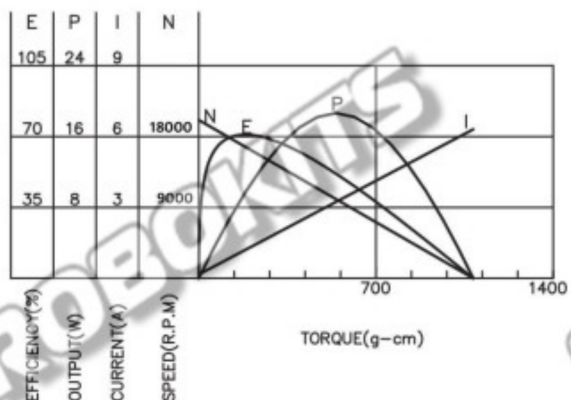
Motor Type	<b>Jonhson DC Geared Motor</b>
Operating voltage	12V DC
Motor Speed at Output Shaft (RPM)	900RPM
Stall Torque(Kgcm)	3.02Kgcm
Rated Torque(Kgcm)	1.5Kgcm
Gear Ratio	1 : 20
CPR at Output Shaft of Motor	1040
Weight	180gm

**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**