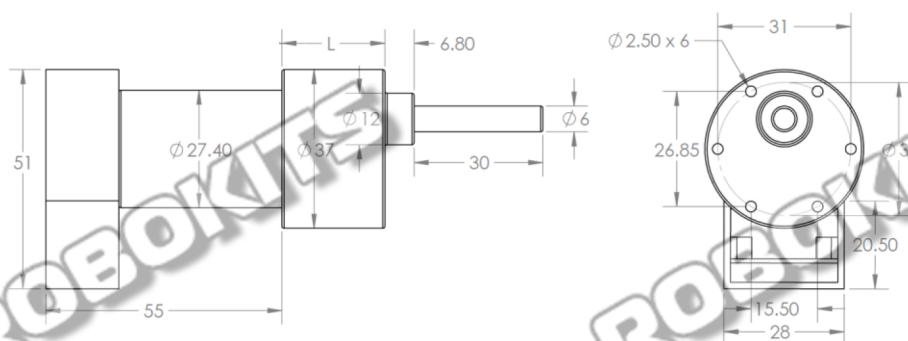


Model Number
RMCS-5013

High Torque High Precision Encoder DC Geared 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	2,40,480
Weight	180gm

Encoder Pinouts

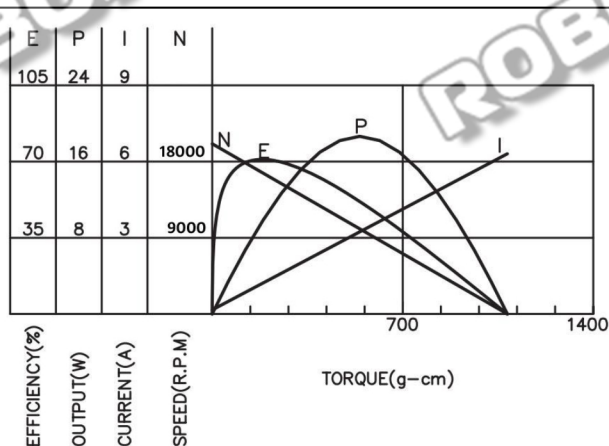
Encoder Type	High Precision Encoder
Line Encoder	334 Line Encoder
Base Motor CPR	334*4=1336
Orange	EncA
Red	EncB
Yellow	Motor-
Green	Motor+
Brown	+5V DC
Black	Gnd



RHINO

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