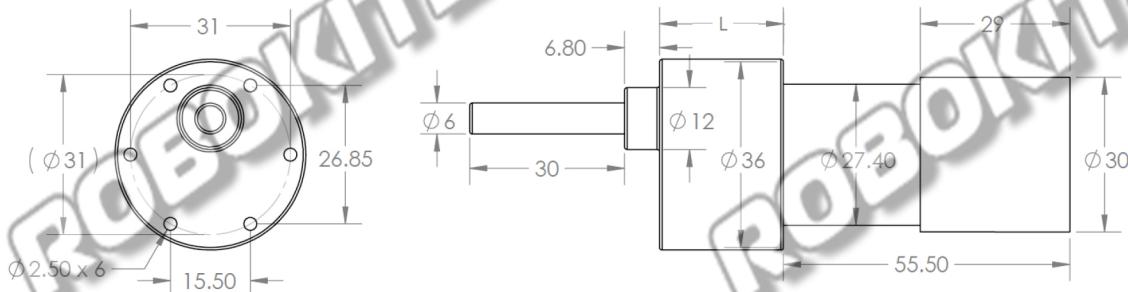


Model Number
RMCS-3012

High Torque Quad Encoder Geared DC Motor 12V 60RPM

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

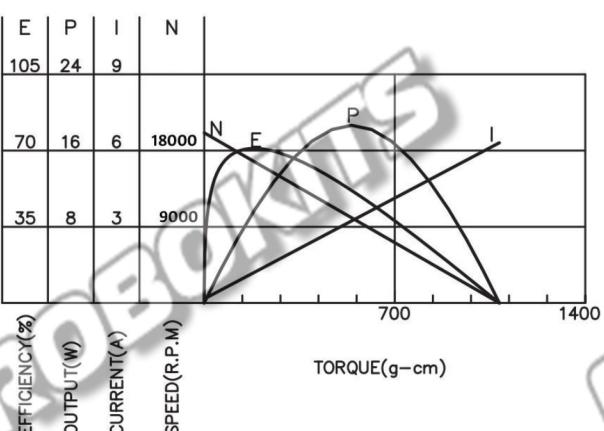
Motor Type	High Torque DC Geared Motor
Operating voltage	12V DC
Motor Speed at Output Shaft (RPM)	60RPM
Stall Torque(Kgcm)	38Kgcm(Gearbox Breaking Torque is 30Kgcm)
Rated Torque(Kgcm)	19Kgcm
Gear Ratio	1 : 270
CPR at Output Shaft of Motor	44,280
Weight	180gm

Encoder Pinouts

Encoder Type	Quad Encoder
Line Encoder	41 Line Encoder
Base Motor CPR	41*4 =164
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