

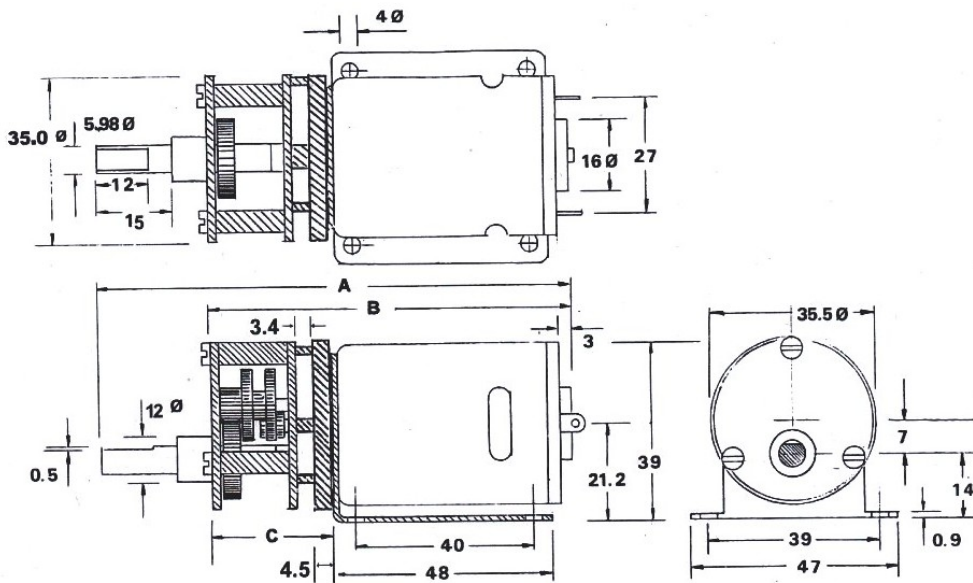
**Datasheet**

# RS PRO, 12 V dc, 309 gcm, Brushed DC Geared Motor, Output Speed 5800 rpm

Stock No: 417-9633

**Specifications:**

Output Speed	5800 rpm
Supply Voltage	12 V dc
Maximum Output Torque	309 g.cm
DC Motor Type	Brushed
Shaft Diameter	6mm
Power Rating	19.8 W
Gearhead Type	Spur
Length	73.7mm
Width	39mm
Current Rating	2.81A
Weight	240g



Operating relative humidity 20% ~ 85%  
 Operating temperature range -10°C ~ +60°C

Ratio	A	B	C
2.5:1	98.7mm	73.7mm	21.7mm

Gearbox Housing material	Metal
Backlash at no-load	< 2°
Bearing at output	Sleeve bearings
Radial load (10mm from flange)	< 1 kgf
Shaft axial load	< 0.7 kgf
Shaft press fit force max	< 20 kgf
Radial play of shaft	< 0.05mm
Thrust play of shaft	< 0.35mm

Reduction Table RPM SUPPLY VOLTAGE	4.5v	6v	9v	12v	15v
417-9633	2175	2900	4350	5800	7250

Note: Motor speeds may vary by (+) or (-) 12.5%