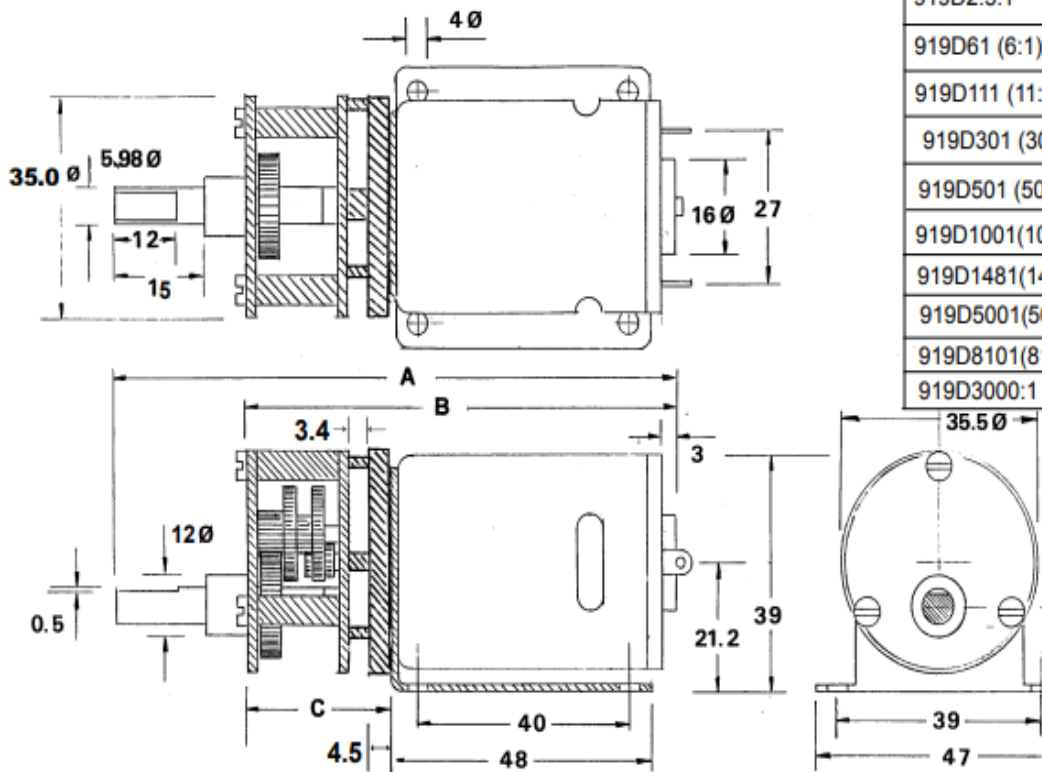


Datasheet

RS Pro 35 mm Single Ratio Metal Gearbox

Stock No: 417-9649



GEARBOX REF.	A	B	C
919D2.5:1	97	72	21
919D61 (6:1)	96	71	20
919D111 (11:1)	96	71	20
919D301 (30:1)	100.4	75.4	22.4
919D501 (50:1)	101	76	25
919D1001(100:1)	101	76	25
919D1481(148:1)	104	79	28
919D5001(500:1)	106	81	30
919D8101(810:1)	106	81	30
919D3000:1	109	84	33

Voltage	No Load		At Maximum Efficiency						
Operating Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Eff
		R.P.M.	A	R.P.M.	A	OZ - IN	G - CM	W	%
4.5 – 15	6 V Constant	7500	0.45	6180	2.1	1.64	118.2	7.49	59.4
	12.0 V Constant	14724	0.52	12380	2.75	2.11	144.29	19.35	58.6

Stall Torque		Weight
OZ - IN	G - CM	262g
9.31	670	
13.28	961.9	

REDUCTION TABLE R.P.M. (No Load)

	4.5V	6.0V	9.0V	12.0V	15.0V
417-9649	1.8	2.45	3.7	5	6

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

No Load Backlash	Max. 2 deg.
Max. Radial Load: (10mm from flange)	1000gf.
Shaft Axial Load	700gf.

Designed for heavy-duty industrial and model applications this robust unit boasts a powerful high quality, three pole motor with sintered bronze bearings.

The metal gearbox incorporates sleeved bearings, enabling the high torque transfer from the motor to be transmitted through the gearbox.

The unit is mounted on a 1mm thick plated steel bracket.

RE540/1 Motor (Ratio 3000:1)

IMPORTANT NOTICE Due to the wide range of applications for this product it is the users responsibility to establish the products suitability for their individual purpose(s).

IMPORTANT NOTICE At very low ratios the torque produced by this geared motor combination may exceed the maximum permissible torque of the gearbox. In this situation the unit must not be allowed to stall as this may damage the gears.