

## Gearboxes

Order code	Manufacturer code	Description
37-1238	919D1481	GEARBOX AND MOTOR 148:1 - 4.5 TO 15V
37-1240	919D8101	GEARBOX AND MOTOR 810:1 - 4.5 TO 15V

Gearboxes	Page 1 of 3
The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

## Fans and Motors

### MFA 919D Series – Fixed Ratio Gearboxes and Motors

Designed for heavy duty industrial and model applications, this unit boasts a powerful, high quality three-pole motor with sintered bronze bearings. The all-steel gearbox incorporates bronze output bearings, enabling the high torque transfer from the motor to be transmitted through the gearbox. This unit is mounted on a 1mm thick plated steel bracket.



MFA Part No.	Operating Range	Gearbox Ratio	Motor Type	Weight
919D1481	4.5V – 15V	148:1	RE 540/1	255g
919D8101	4.5V – 15V	810:1	RE 540/1	255g

#### Motor Data:

Model	Voltage		No Load		At Maximum Efficiency						Stall Torque	
	Range	Nominal	Speed	Current	Speed	Current	Torque		Output	Eff.	Oz-in	g-cm
			R.P.M	A	R.P.M	A	Oz-in	g-cm	W	%		
RE-540/1	4.5 – 15.0	6.0v Const.	7500	0.45	6180	2.1	1.64	118.2	7.49	59.4	9.31	670
		12.0v Const.	15800	0.52	13360	2.85	2.14	154.4	21.2	61.9	13.9	1000

#### Reduction Table – R.P.M:

Part No.	Supply Voltage				
	4.5v	6.0v	9.0v	12.0v	15.0v
919D1481	40	53	80	106	132
919D8101	8	10	15	20	25

#### Torque Table (g. cm.) (Theoretical rating for motor and gearbox combined):

Part No.	At Maximum Efficiency		Stall Torque	
	6V	12V	6V	12V
919D1481	17493	22851	99160	148000
919D8101	95742	125064	542700	810000

Dimensions:

