

950D SERIES SINGLE RATIO METAL GEARBOX
(RE 385 MOTOR)


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).

RATIOS NOW AVAILABLE AS EX-STOCK ITEMS.

950D2.51	(4.5v - 15v)	WITH RE 385 MOTOR. RATIO 2.5:1
950D61	(4.5v - 15v)	WITH RE 385 MOTOR. RATIO 6:1
950D111	(4.5v - 15v)	WITH RE 385 MOTOR. RATIO 11:1
950D501	(4.5v - 15v)	WITH RE 385 MOTOR. RATIO 50:1
950D1481	(4.5v - 15v)	WITH RE 385 MOTOR. RATIO 148:1
950D8101	(4.5v - 15v)	WITH RE 385 MOTOR. RATIO 810:1
950D30001	(4.5v - 15v)	WITH RE 385 MOTOR. RATIO 3000:1

Designed for heavy-duty industrial and model applications this robust unit boasts a powerful high quality, five 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. The unit is mounted on a 1mm thick plated steel bracket.

MOTOR DATA. (RE-385)

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED R.P.M.	CURRENT A	SPEED R.P.M.	CURRENT A	TORQUE		OUTPUT W	EFF %	oz - in g - cm	
							oz - in	g - cm			oz - in	g - cm
RE - 385	6.0 - 15.0	12v CONSTANT	11000	0.155	9281	0.837		65.3	6.21	61.85		417.6

REDUCTION TABLE. R.P.M.

SUPPLY VOLTAGE	4.5v	6.0v	9.0v	12.0v	15.0v
950D2.51	1890	2520	3375	5040	6300
950D61	787	1050	1575	2100	2625
950D111	429	572	858	1145	1430
950D501	94	126	189	252	315
950D1481	32	42	64	85	106
950D8101	5	7	11	15	18
950D30001	1.5	2	3	4	5

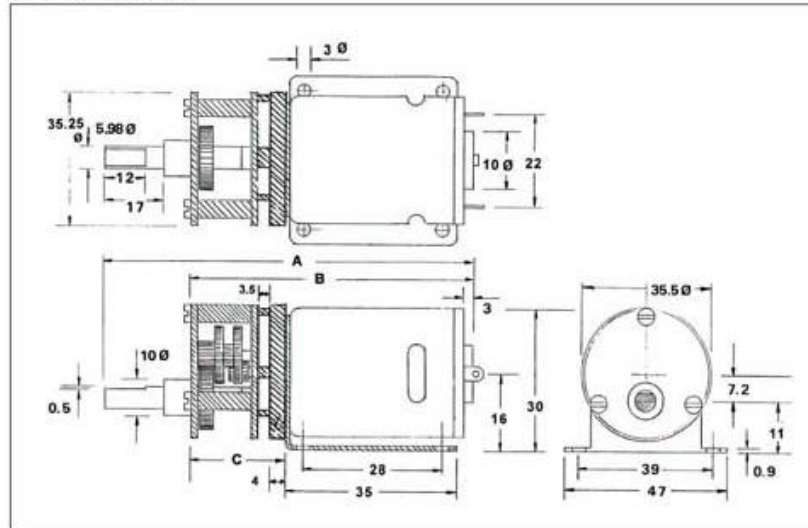
WEIGHT	
950D2.51	146g
950D61	144g
950D111	146g
950D501	156g
950D1481	162g
950D8101	164g
950D30001	168g

TORQUE TABLE (g.cm). (Theoretical rating for motor & gearbox combined).

	AT MAXIMUM EFFICIENCY 12V	STALL TORQUE 12V
RE 385 (2.5)	165	1044
RE 385 (6:1)	392	2506
RE 385 (11:1)	718	4594
RE 385 (50:1)	3625	20880
RE 385 (148:1)	9664	61805
RE 385 (810:1)	52893	338256
RE 385 (3000:1)	195900	1252800

24 volt versions are available for this range of motor-gearboxes. Performance data is similar to 12 volt versions. This version also has an extended 10mm rear shaft to accommodate motor encoders. When ordering please use 12v version part number suffixed with 24V. I.E. 950D111 will be 950D11124V

NOTE: To establish Torque Rating in nM divide g.cm by 10,197.0

GEARBOX DIMENSIONS


GEARBOX REF.	A	B	C
950D2.5:1	85	60	19
950D6:1 (6:1)	85	60	19
950D11:1 (11:1)	85	60	19
950D50:1 (50:1)	90	65	24
950D148:1 (148:1)	92	67	26
950D810:1 (810:1)	95	70	29
950D3000:1	102	87	31

FOR ACCESSORIES TO FIT THIS SERIES GEARBOX, REFER TO 919D SERIES PAGE.

Subject to minimum order quantities of 250 units, the following ratios are also available with a six week lead-time. The physical dimensions of these other gearboxes may vary from the data as illustrated above. Details of individual gearboxes are available upon request.

GEARBOX 18:1 WITH 385 MOTOR
GEARBOX 70:1 WITH 385 MOTOR
GEARBOX 100:1 WITH 385 MOTOR
GEARBOX 200:1 WITH 385 MOTOR
GEARBOX 350:1 WITH 385 MOTOR
GEARBOX 500:1 WITH 385 MOTOR
GEARBOX 900:1 WITH 385 MOTOR
GEARBOX 3000:1 WITH 385 MOTOR

GEARBOX 30:1 WITH 385 MOTOR
GEARBOX 75:1 WITH 385 MOTOR
GEARBOX 120:1 WITH 385 MOTOR
GEARBOX 250:1 WITH 385 MOTOR
GEARBOX 400:1 WITH 385 MOTOR
GEARBOX 600:1 WITH 385 MOTOR
GEARBOX 1000:1 WITH 385 MOTOR

GEARBOX 60:1 WITH 385 MOTOR
GEARBOX 90:1 WITH 385 MOTOR
GEARBOX 180:1 WITH 385 MOTOR
GEARBOX 300:1 WITH 385 MOTOR
GEARBOX 450:1 WITH 385 MOTOR
GEARBOX 700:1 WITH 385 MOTOR
GEARBOX 1500:1 WITH 385 MOTOR