

## 950DLN SERIES NOISE ATTENUATED 35mm SPUR GEARED MOTOR

### RE-385LN MOTOR



Part No. 727  
Geared motor bracket (90 degree)  
sold separately



RATIOS NOW AVAILABLE AS EX-STOCK ITEMS.

950D2.51LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 2.5:1	950D1001LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 100:1
950D61LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 6:1	950D1481LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 148:1
950D111LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 11:1	950D5001LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 500:1
950D301LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 30:1	950D8101LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 810:1
950D501LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 50:1	950D30001LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 3000:1

Designed for heavier duty industrial and modelling applications. These units boast a high quality five pole low rpm motor providing approx 45% more motor torque than the standard RE385 motor, with a considerable reduction in noise levels. The metal gearbox incorporates sleeve bearings, enabling the high torque transfer to be transmitted through the gearbox.

#### MOTOR DATA. (RE-385LN)

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY					STALL TORQUE		
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE	OUTPUT	EFF	TORQUE		
			R.P.M.	A	R.P.M.	A	oz-in	g-cm	W	%	oz-in	g-cm
RE-385LN	4.5 - 15	12v Constant	7200	0.19	6031	0.84	1.58	114	7	71	12.7	917

Stall Current RE-385LN at 12v = 5.0A

#### REDUCTION TABLE. R.P.M. (NO LOAD)

SUPPLY VOLTAGE	4.5v	6v	9v	12v	15v
950D2.51LN	1080	1440	2160	2880	3600
950D61LN	450	600	900	1200	1500
950D111LN	246	328	491	655	819
950D301LN	90	120	180	240	300
950D501LN	54	72	108	144	180
950D1001LN	27	36	54	72	90
950D1481LN	18	25	37	49	61
950D5001LN	5	7	11	14	18
950D8101LN	3	4.5	7	9	11
950D30001LN	1	1.2	1.8	2.4	3

WEIGHT	
950D2.51LN	192g
950D61LN	193g
950D111LN	196g
950D301LN	202g
950D501LN	210g
950D1001LN	211g
950D1481LN	211g
950D5001LN	220g
950D8101LN	220g
950D30001LN	226g

Note: Motor speeds may vary by (+) or (-) 10%

#### GEARED MOTOR TORQUE RATINGS AT MAX. EFFICIENCY.

	At 12v (g.cm)
2.5:1LN	223
6:1LN	535
11:1LN	980
30:1LN	2000
50:1LN	3000
100:1LN	6000
148:1LN	6000
500:1LN	6000
810:1LN	6000
3000:1LN	6000

950DLN SERIES	
No Load Backlash	Max 2 deg.
Max Radial Load (10mm from flange)	1000gf.
Shaft Axial Load	700gf.

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

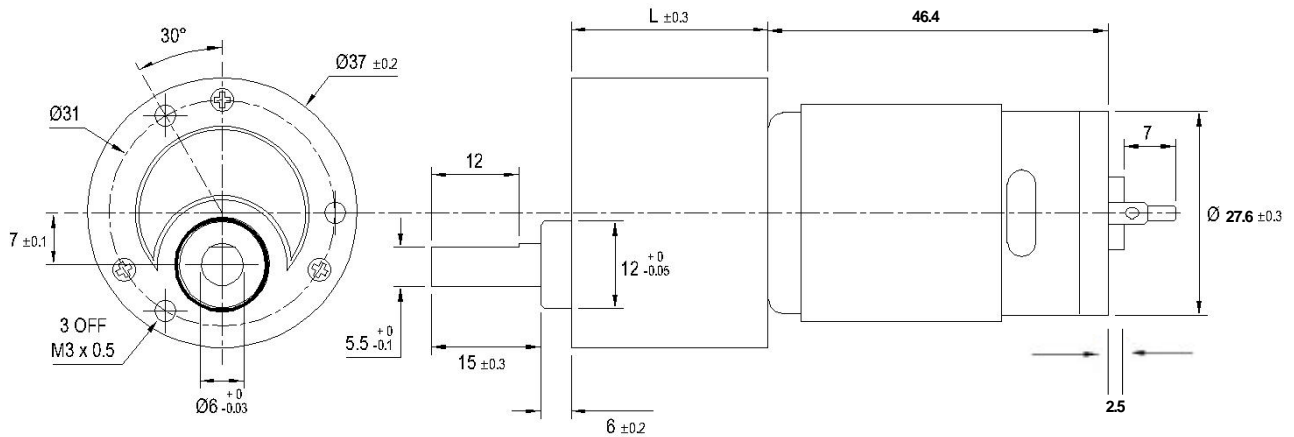
#### IMPORTANT NOTICE

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.

#### 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).

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RATIO	L
2.51:1LN	19.5
6:1LN	19.5
11:1LN	19.5
30:1LN	22.0
50:1LN	24.5
100:1LN	24.5
148:1LN	27.0
500:1LN	29.5
810:1LN	29.5
3000:1LN	32.0

NOTE: all diameters in mm

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 385LN MOTOR  
 GEARBOX 60:1 WITH 385LN MOTOR  
 GEARBOX 70:1 WITH 385LN MOTOR  
 GEARBOX 75:1 WITH 385LN MOTOR  
 GEARBOX 90:1 WITH 385LN MOTOR  
 GEARBOX 120:1 WITH 385LN MOTOR

GEARBOX 180:1 WITH 385LN MOTOR  
 GEARBOX 200:1 WITH 385LN MOTOR  
 GEARBOX 250:1 WITH 385LN MOTOR  
 GEARBOX 300:1 WITH 385LN MOTOR  
 GEARBOX 350:1 WITH 385LN MOTOR  
 GEARBOX 400:1 WITH 385LN MOTOR

GEARBOX 450:1 WITH 385LN MOTOR  
 GEARBOX 600:1 WITH 385LN MOTOR  
 GEARBOX 700:1 WITH 385LN MOTOR  
 GEARBOX 900:1 WITH 385LN MOTOR  
 GEARBOX 1000:1 WITH 385LN MOTOR  
 GEARBOX 1500:1 WITH 385LN MOTOR