

## 980DLN SERIES NOISE ATTENUATED 35mm GEARED MOTOR (CENTRAL OUTPUT SHAFT)

### RE-385LN MOTOR



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



Metal Gearbox cover  
included with this series

#### RATIOS NOW AVAILABLE AS EX-STOCK ITEMS.

980D61LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 6:1
980D161LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 16:1
980D471LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 47:1
980D1561LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 156:1
980D7501LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 750:1
980D28121LN	(4.5v - 15v)	WITH RE 385LN MOTOR. RATIO 2812:1

Designed for heavier-duty industrial and model 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 motor noise level. The metal gearbox incorporates sleeve bearings, enabling the high torque transfer from the motor to be transmitted through the gearbox.

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

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY					STALL		
	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 - 12	12v Constant	7200	0.19	6031	0.84	1.58	114	7	71	12.7	917

Stall Current RE-385 at 12v = 4.62A

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

SUPPLY VOLTAGE	4.5v	6v	9v	12v
980D61LN	450	600	900	1200
980D161LN	169	225	338	450
980D471LN	57	77	115	153
980D1561LN	17	23	35	46
980D7501LN	4	5	8	10
980D28121LN	1	1.3	2	2.6

WEIGHT	
980D61LN	204g
980D161LN	211g
980D471LN	214g
980D1561LN	221g
980D7501LN	233g
980D28121LN	237g

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

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

	At 12v (g.cm)
6:1LN	554
16:1LN	1332
47:1LN	3000
156:1LN	6000
750:1LN	6000
2812:1LN	6000

980DLN 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

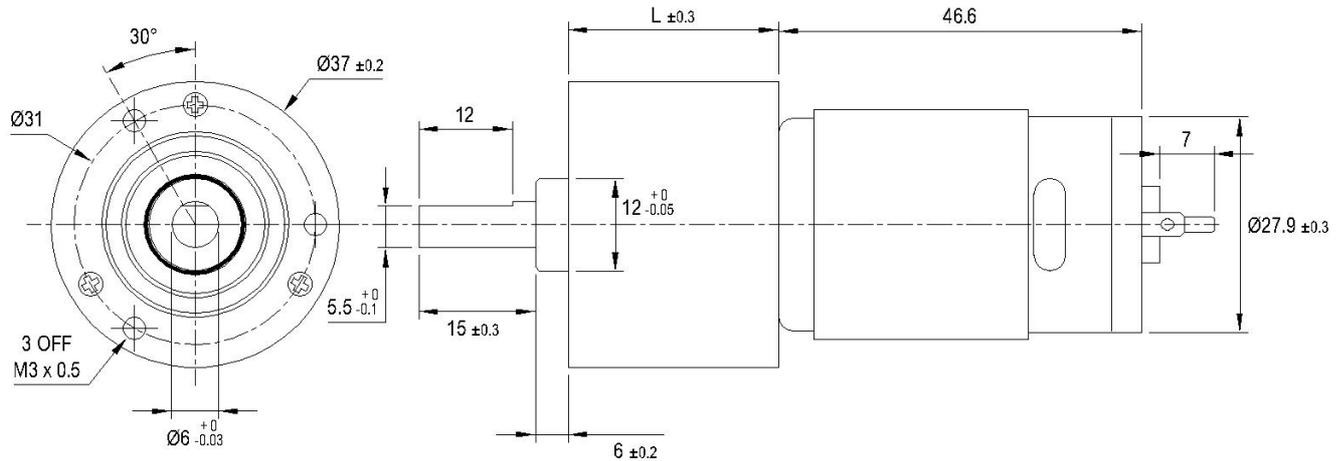
#### IMPORTANT NOTICE

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).

## 980DLN SERIES NOISE ATTENUATED 35mm GEARED MOTOR (CENTRAL OUTPUT SHAFT)



RATIO	L
6:1LN	24.8
16:1LN	24.0
47:1LN	27.1
156:1LN	29.6
750:1LN	34.8
2812:1LN	37.0

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 19:1 WITH 385 MOTOR  
 GEARBOX 21:1 WITH 385 MOTOR  
 GEARBOX 31:1 WITH 385 MOTOR  
 GEARBOX 38:1 WITH 385 MOTOR  
 GEARBOX 56:1 WITH 385 MOTOR  
 GEARBOX 63:1 WITH 385 MOTOR  
 GEARBOX 69:1 WITH 385 MOTOR  
 GEARBOX 75:1 WITH 385 MOTOR

GEARBOX 94:1 WITH 385 MOTOR  
 GEARBOX 104:1 WITH 385 MOTOR  
 GEARBOX 113:1 WITH 385 MOTOR  
 GEARBOX 125:1 WITH 385 MOTOR  
 GEARBOX 169:1 WITH 385 MOTOR  
 GEARBOX 188:1 WITH 385 MOTOR  
 GEARBOX 219:1 WITH 385 MOTOR  
 GEARBOX 234:1 WITH 385 MOTOR

GEARBOX 250:1 WITH 385 MOTOR  
 GEARBOX 281:1 WITH 385 MOTOR  
 GEARBOX 312:1 WITH 385 MOTOR  
 GEARBOX 375:1 WITH 385 MOTOR  
 GEARBOX 422:1 WITH 385 MOTOR  
 GEARBOX 438:1 WITH 385 MOTOR  
 GEARBOX 469:1 WITH 385 MOTOR  
 GEARBOX 563:1 WITH 385 MOTOR

GEARBOX 625:1 WITH 385 MOTOR  
 GEARBOX 938:1 WITH 385 MOTOR  
 GEARBOX 1250:1 WITH 385 MOTOR  
 GEARBOX 1875:1 WITH 385 MOTOR  
 GEARBOX 2813:1 WITH 385 MOTOR  
 GEARBOX 3750:1 WITH 385 MOTOR  
 GEARBOX 5625:1 WITH 385 MOTOR