

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

(RE 385LN MOTOR)



Metal Gearbox cover included with this series

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.

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-385)

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 - 12.0	12v CONSTANT	7300	0.15	6031	0.84		114	7	71		788

Stall Current RE385 at 12v = 4.62A

REDUCTION TABLE. R.P.M.

SUPPLY VOLTAGE	4.5v	6.0v	9.0v	12.0v
980D61	415	557	846	1139
980D161	165	226	344	460
980D471	56	76	115	156
980D1561	17	23	35	47
980D7501	3.3	5	6.6	10
980D28121	0.9	1.2	1.9	2.6

WEIGHT	
980D6LN	220g
980D161LN	226g
980D471LN	232g
980D1561LN	240g
980D7501LN	251g
980D28121LN	254g

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

GEARBOX RATINGS

RATED TOLERANCE TORQUE (g.cm)	MAX MOMENTARY TOLERANCE TORQUE	
6:1	1000	3000
16:1	2000	6000
47:1	3000	9000
156:1	6000	18000
750:1	6000	18000
2812:1	6000	18000

IMPORTANT NOTICE

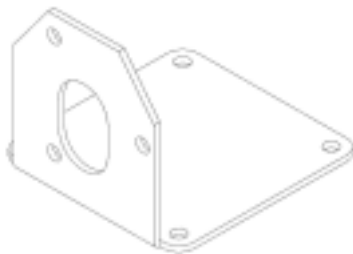
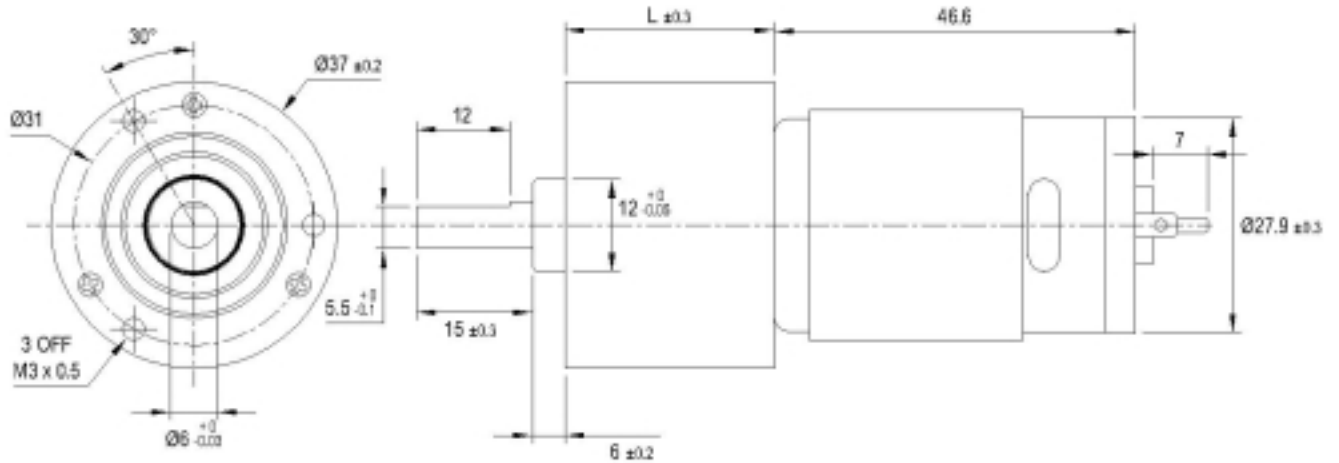
At very low ratios the torque produced by this geared motor combination may exceed the maximum permissible torque of the gearbox. In this situation the unit must not be allowed to stall as this may damage the gears. Please refer to the table of the gearbox ratings to ascertain the appropriate geared motor combination.

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

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

(RE 385LN MOTOR)

GEARBOX DIMENSIONS



**Pt. No. 727
Geared motor bracket (90 degree)**

GEARBOX REF.	L
980D61 LN	21.8
980D161LN	24.6
980D471 LN	27.1
980D1561 LN	29.6
980D7501 LN	34.5
980D28121LN	37

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 6:1 with 385 motor
 Gearbox 31:1 with 385 motor
 Gearbox 63:1 with 385 motor
 Gearbox 104:1 with 385 motor
 Gearbox 169:1 with 385 motor
 Gearbox 250:1 with 385 motor
 Gearbox 422:1 with 385 motor
 Gearbox 625:1 with 385 motor
 Gearbox 1875:1 with 385 motor

Gearbox 16:1 with 385 motor
 Gearbox 38:1 with 385 motor
 Gearbox 69:1 with 385 motor
 Gearbox 113:1 with 385 motor
 Gearbox 188:1 with 385 motor
 Gearbox 281:1 with 385 motor
 Gearbox 438:1 with 385 motor
 Gearbox 750:1 with 385 motor
 Gearbox 2813:1 with 385 motor

Gearbox 19:1 with 385 motor
 Gearbox 47:1 with 385 motor
 Gearbox 75:1 with 385 motor
 Gearbox 125:1 with 385 motor
 Gearbox 219:1 with 385 motor
 Gearbox 312:1 with 385 motor
 Gearbox 469:1 with 385 motor
 Gearbox 938:1 with 385 motor
 Gearbox 3750:1 with 385 motor

Gearbox 21:1 with 385 motor
 Gearbox 56:1 with 385 motor
 Gearbox 94:1 with 385 motor
 Gearbox 156:1 with 385 motor
 Gearbox 234:1 with 385 motor
 Gearbox 375:1 with 385 motor
 Gearbox 563:1 with 385 motor
 Gearbox 1250:1 with 385 motor
 Gearbox 5625:1 with 385 motor