

## 919DLN SERIES NOISE ATTENUATED 35mm SPUR GEARED MOTOR

(RE 540LN 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.

919D2.51LN	(4.5v - 15v)	WITH RE 540LN MOTOR.	RATIO 2.5:1
919D61LN	(4.5v - 15v)	WITH RE 540LN MOTOR.	RATIO 6:1
919D111LN	(4.5v - 15v)	WITH RE 540LN MOTOR.	RATIO 11:1
919D301LN	(4.5v - 15v)	WITH RE 540LN MOTOR.	RATIO 30:1
919D501LN	(4.5v - 15v)	WITH RE 540LN MOTOR.	RATIO 50:1
919D1001LN	(4.5v - 15v)	WITH RE 540LN MOTOR.	RATIO 100:1
919D1481LN	(4.5v - 15v)	WITH RE 540LN MOTOR.	RATIO 148:1
919D5001LN	(4.5v - 15v)	WITH RE 540LN MOTOR.	RATIO 500:1
919D8101LN	(4.5v - 15v)	WITH RE 540LN MOTOR.	RATIO 810:1
919D30001LN	(4.5v - 15v)	WITH RE 540LN MOTOR.	RATIO 3000:1

Designed for heavier-duty industrial and model applications. These units boast a high quality, five pole low rpm motor providing approx 33% more motor torque than the standard RE540/1 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-540/1)

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL TORQUE	
	OPERATING 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	%		
RE540LN	4.5 - 15.0	12.0v CONSTANT	6000	0.17	4930	1.6		250	12.8	67		1375

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

SUPPLY VOLTAGE	4.5v	6.0v	9.0v	12.0v	15.0v
919D2.51LN	900	1200	1800	2400	3000
919D61LN	375	375	750	1000	1250
919D111LN	205	273	409	545	682
919D301LN	75	100	150	200	250
919D501LN	45	60	90	120	150
919D1001LN	23	30	45	60	75
919D1481LN	15	20	30	41	51
919D5001LN	5	6	9	12	15
919D8101LN	3	4	6	7	9
919D30001LN	0.75	1	1.5	2	2.5

WEIGHT	
919D2.51LN	329g
919D61LN	329g
919D111LN	329g
919D301LN	310g
919D501LN	343g
919D1001LN	343g
919D1481LN	349g
919D5001LN	355g
919D8101LN	355g
919D30001LN	355g

### GEARED MOTOR TORQUE RATINGS AT MAX. EFFICIENCY

	At 12V (g.cm)
2.5:1	412
6.1	989
11:1	1000
30:1	2000
50:1	3000
100:1	6000
148:1	6000
500:1	6000
810:1	6000
3000:1	6000

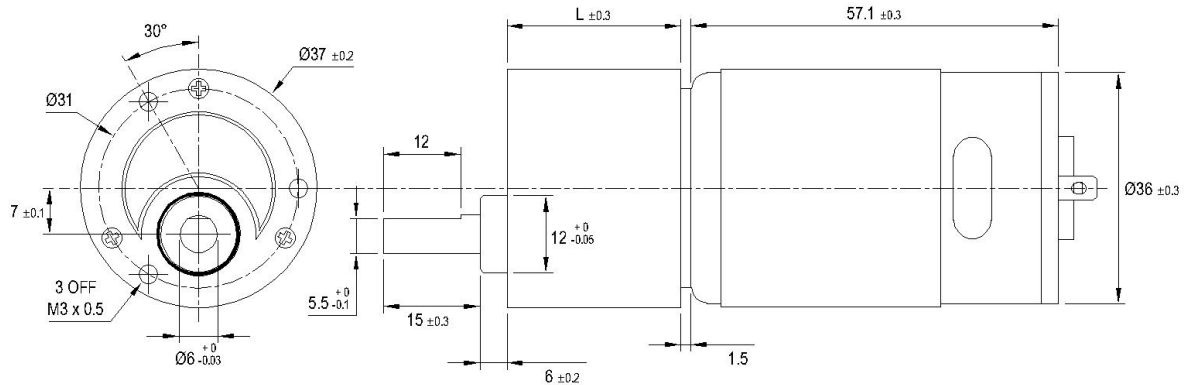
919DLN SERIES	
No load Backlash:	Max 2 deg.
Max Radial Load: (10mm from flange)	1000gf.
Shaft Axial Load:	700gf.

**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.

NOTE: To establish Torque Rating in Nm, divide g.cm by 10,197.0  
Motor RPM may vary by + or - 10%

**919DLN SERIES NOISE ATTENUATED 35mm SPUR GEARED MOTOR**

**(RE 540LN MOTOR)**



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

GEARBOX REF.	L
919D2.51LN (2.5:1)	19.5
919D61LN (6:1)	19.5
919D111LN (11:1)	19.5
919D501LN (50:1)	24.5
919D1001LN(100:1)	24.5
919D1481LN(148:1)	27.0
919D5001LN(500:1)	29.5
919D8101LN(810:1)	29.5
919D30001LN (3000:1)	32.0

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 10:1 WITH 540/1 MOTOR  
 GEARBOX 70:1 WITH 540/1 MOTOR  
 GEARBOX 120:1 WITH 540/1 MOTOR  
 GEARBOX 250:1 WITH 540/1 MOTOR  
 GEARBOX 400:1 WITH 540/1 MOTOR  
 GEARBOX 700:1 WITH 540/1 MOTOR  
 GEARBOX 1000:1 WITH 540/1 MOTOR

GEARBOX 18:1 WITH 540/1 MOTOR  
 GEARBOX 75:1 WITH 540/1 MOTOR  
 GEARBOX 180:1 WITH 540/1 MOTOR  
 GEARBOX 300:1 WITH 540/1 MOTOR  
 GEARBOX 450:1 WITH 540/1 MOTOR  
 GEARBOX 750:1 WITH 540/1 MOTOR  
 GEARBOX 1500:1 WITH 540/1 MOTOR

GEARBOX 60:1 WITH 540/1 MOTOR  
 GEARBOX 90:1 WITH 540/1 MOTOR  
 GEARBOX 200:1 WITH 540/1 MOTOR  
 GEARBOX 350:1 WITH 540/1 MOTOR  
 GEARBOX 600:1 WITH 540/1 MOTOR  
 GEARBOX 900:1 WITH 540/1 MOTOR