



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



RATIOS NOW AVAILABLE AS EX-STOCK ITEMS.

Fitted with RE540LN (4.5v - 15v) Motor:

| | | |
|-------------|-------|--------|
| 919D2.51LN | Ratio | 2.5:1 |
| 919D61LN | Ratio | 6:1 |
| 919D111LN | Ratio | 11:1 |
| 919D301LN | Ratio | 30:1 |
| 919D501LN | Ratio | 50:1 |
| 919D1001LN | Ratio | 100:1 |
| 919D1481LN | Ratio | 148:1 |
| 919D5001LN | Ratio | 500:1 |
| 919D8101LN | Ratio | 810:1 |
| 919D30001LN | 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. (RE540LN)

| 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 |
| RE540LN | 4.5 - 15 | 12v Constant | 6000 | 0.26 | 5258 | 1.42 | 3.1 | 223 | 12.8 | 71 | 25.3 | 1825 |

Stall Current: RE540LN at 6v = 10.0 A

GEARBOX DATA.

| PART NO | RATIO | REDUCTION TABLE RPM (No Load) ^o | | | | | WEIGHT | TORQUE RATING AT: 12v (g.cm) [^] |
|-------------|--------|--------------------------------------------|------|------|------|------|--------|----------------------------------------------|
| | | 4.5v | 6v | 9v | 12v | 15v | | |
| 919D2.51LN | 2.5:1 | 900 | 1200 | 1800 | 2400 | 3000 | 304g | 452 |
| 919D61LN | 6:1 | 375 | 500 | 750 | 1000 | 1250 | 304g | 1000 |
| 919D111LN | 11:1 | 204 | 273 | 409 | 545 | 682 | 304g | 1000 |
| 919D301LN | 30:1 | 75 | 100 | 150 | 200 | 250 | 312g | 2000 |
| 919D501LN | 50:1 | 45 | 60 | 90 | 120 | 150 | 319g | 3000 |
| 919D1001LN | 100:1 | 23 | 30 | 45 | 60 | 75 | 319g | 6000 |
| 919D1481LN | 148:1 | 15 | 21 | 31 | 41 | 51 | 322g | 6000 |
| 919D5001LN | 500:1 | 5 | 6 | 9 | 12 | 15 | 329g | 6000 |
| 919D8101LN | 810:1 | 2.6 | 3.5 | 5.25 | 7 | 8.75 | 328g | 6000 |
| 919D30001LN | 3000:1 | 0.75 | 1 | 1.5 | 2 | 2.5 | 336g | 6000 |

NOTES:^o Motor speeds may vary by + or - 10%

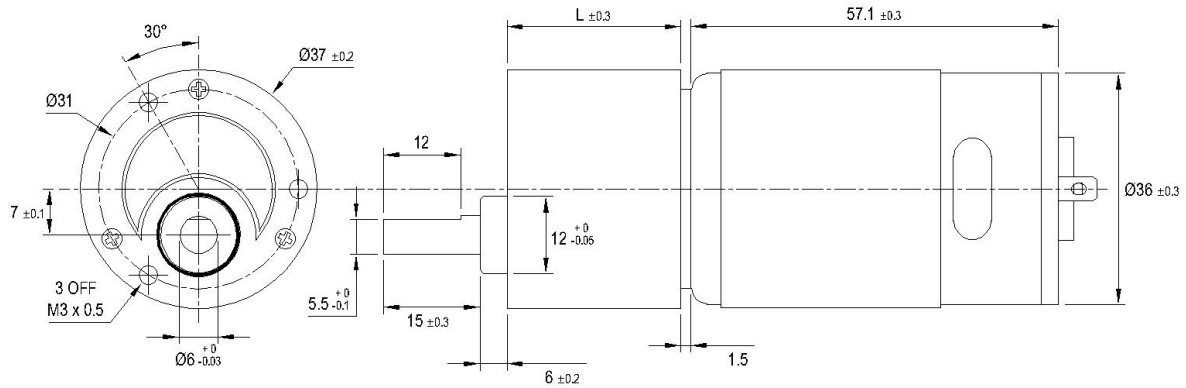
[^] Geared Motor Torque Ratings at Maximum Efficiency. To establish Torque Rating in Nm, divide g.cm by 10197.0

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

IMPORTANT NOTICES:

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. 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).

919DLN SERIES TECHNICAL DRAWING



| RATIO | L |
|----------|------|
| 2.5:1LN | 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.

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 18:1 with 540/1 motor
 GEARBOX 60:1 with 540/1 motor
 GEARBOX 70:1 with 540/1 motor
 GEARBOX 75:1 with 540/1 motor

GEARBOX 90:1 with 540/1 motor
 GEARBOX 120:1 with 540/1 motor
 GEARBOX 180:1 with 540/1 motor
 GEARBOX 200:1 with 540/1 motor
 GEARBOX 250:1 with 540/1 motor

GEARBOX 300:1 with 540/1 motor
 GEARBOX 350:1 with 540/1 motor
 GEARBOX 400:1 with 540/1 motor
 GEARBOX 450:1 with 540/1 motor
 GEARBOX 600:1 with 540/1 motor

GEARBOX 700:1 with 540/1 motor
 GEARBOX 750:1 with 540/1 motor
 GEARBOX 900:1 with 540/1 motor
 GEARBOX 1000:1 with 540/1 motor
 GEARBOX 1500:1 with 540/1 motor