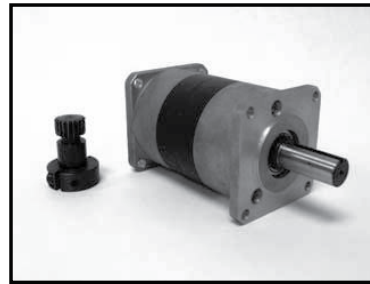


- 2.25 inch (57.15 mm) square NEMA 23
- Continuous Torques up to 60 lb-in (6.78 Nm)
- Peak Torques up to 90 lb-in (10.17 Nm)
- Ratios 5, 10, 15, 25, 50 & 100 Standard
- "Clamp On" Pinion
- Low Cost Powder Metal Gearing Assembly
- 75 lbs. (34 kg) Radial and Axial Load Capacity
- "Bolt On" to NEMA 23 Motors

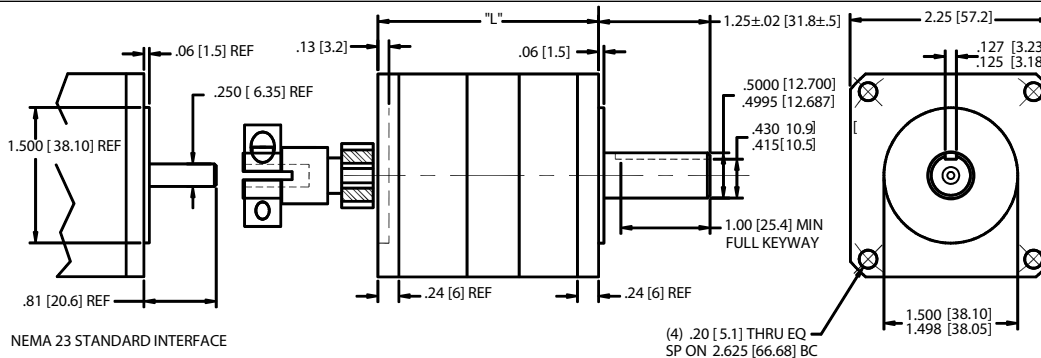


| Specification     | Units  | Part/ Model Number |        |        |        |        |        |
|-------------------|--------|--------------------|--------|--------|--------|--------|--------|
|                   |        | G3005              | G3010  | G3015  | G3025  | G3050  | G3100  |
| Exact Ratio       | -      | 5                  | 10     | 15     | 25     | 50     | 100    |
| Continuous Torque | lb-in  | 60                 | 60     | 60     | 60     | 60     | 60     |
|                   | Nm     | 6.779              | 6.779  | 6.779  | 6.779  | 6.779  | 6.779  |
| Peak Torque       | lb-in  | 90                 | 90     | 90     | 90     | 90     | 90     |
|                   | Nm     | 10.169             | 10.169 | 10.169 | 10.169 | 10.169 | 10.169 |
| Speed Max Output  | RPM    | 800                | 400    | 267    | 160    | 80     | 40     |
| Speed Max Input   | RPM    | 4000               | 4000   | 4000   | 4000   | 4000   | 4000   |
| Stages            | -      | 1                  | 2      | 2      | 2      | 3      | 4      |
| Efficiency        | -      | 90%                | 80%    | 80%    | 80%    | 70%    | 60%    |
| Max Length        | Inches | 2.97               | 3.55   | 3.87   | 3.87   | 4.45   | 5.05   |
|                   | mm     | 75.4               | 90.2   | 98.3   | 98.3   | 113    | 128.3  |
| Weight            | Lbs    | .9                 | 1.3    | 1.8    | 1.8    | 2.2    | 2.6    |
|                   | Kg     | 0.4                | 0.6    | 0.8    | 0.8    | 1      | 1.2    |

1) Backlash accuracy will be typically less than 3 Deg., 2) Add gear length to motor length

| Typical Combinations                    |            | Voltage VDC | Motor Length mm / in | Perform | Units      | Gear Ratios |           |           |          |          |          |
|---|------------|-------------|----------------------|---------|------------|-------------|-----------|-----------|----------|----------|----------|
| Gear #                                  | Motor #    |             |                      |         |            | 5           | 10        | 15        | 25       | 50       | 100      |
| <b>Brushless Gearmotor Combinations</b> |            |             |                      |         |            |             |           |           |          |          |          |
| G3xxx -                                 | I2352048NC | 20          | 90.4 / 3.56          | Speed   | rpm        | 800         | 400       | 267       | 160.0    | 80.0     | 40.0     |
|   |            |             |                      | Tc      | Nm / lb-in | 0.89 / 7.9  | 1.58 / 14 | 2.37 / 21 | 4 / 35   | 6.8 / 60 | 6.8 / 60 |
|   |            |             |                      | lc      | amps dc    | 5.1         | 5.1       | 5.1       | 5.1      | 5.0      | 2.90     |
| G3xxx -                                 | I2381088NC | 36          | 80 / 3.15            | Speed   | rpm        | 800         | 400       | 267       | 160.0    | 80.0     | 40.0     |
|   |            |             |                      | Tc      | Nm / lb-in | 0.64 / 5.6  | 1.13 / 10 | 1.69 / 15 | 2.8 / 25 | 4.9 / 44 | 6.8 / 60 |
|   |            |             |                      | lc      | amps dc    | 2.0         | 2.0       | 2.0       | 2.0      | 2.0      | 1.58     |
| G3xxx -                                 | I2383092NC | 40          | 119.9 / 4.72         | Speed   | rpm        | 800         | 400       | 267       | 160.0    | 80.0     | 40.0     |
|   |            |             |                      | Tc      | Nm / lb-in | 1.85 / 16.3 | 3.28 / 29 | 4.92 / 44 | 6.8 / 60 | 6.8 / 60 | 6.8 / 60 |
|   |            |             |                      | lc      | amps dc    | 5.5         | 5.5       | 5.5       | 4.5      | 2.6      | 1.51     |
| G3xxx -                                 | I2383214NC | 80          | 119.9 / 4.72         | Speed   | rpm        | 748         | 374       | 249       | 149.5    | 74.8     | 37.4     |
|   |            |             |                      | Tc      | Nm / lb-in | 1.85 / 16.3 | 3.28 / 29 | 4.92 / 44 | 6.8 / 60 | 6.8 / 60 | 6.8 / 60 |
|   |            |             |                      | lc      | amps dc    | 2.4         | 2.4       | 2.4       | 2.0      | 1.1      | 0.65     |
| G3xxx -                                 | I2384124NC | 50          | 140 / 5.51           | Speed   | rpm        | 800         | 400       | 267       | 160.0    | 80.0     | 40.0     |
|   |            |             |                      | Tc      | Nm / lb-in | 2.64 / 23.4 | 4.69 / 42 | 6.78 / 60 | 6.8 / 60 | 6.8 / 60 | 6.8 / 60 |
|   |            |             |                      | lc      | amps dc    | 5.8         | 5.8       | 5.6       | 3.4      | 1.9      | 1.12     |

Notes 1) Many other gearmotor combinations exist - consult factory, 2) Add Gear & Motor length 3) Add ratio value to G3 Model number as in chart above



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