

Standard Part Numbers and Data

| VOLTAGE (VDC) | SPEED no load (rpm) | TORQUE | | CURRENT | | | CONSTANTS | | STANDARD PART NUMBERS* |
|---------------|---------------------|---------------------|--------------------------------|--------------------|-----------------------|-------------------------|------------------------------|----------|------------------------|
| | | max rated (oz. in.) | ** theoretical stall (oz. in.) | max no load (amps) | max rated load (amps) | ** nominal stall (amps) | K _t (oz. in./amp) | R (ohms) | |
| 6 | 7,600-9,400 | 1.60 | 5.5 | .70 | 2.00 | 7.00 | .90 | .80 | 313A102-5 |
| 12 | 11,500-14,000 | 1.10 | 8.7 | .52 | 1.70 | 8.40 | 1.20 | 1.35 | 313A102-24 |
| 12 | 9,000-11,000 | 1.70 | 6.9 | .42 | 1.20 | 5.30 | 1.51 | 2.13 | 313A102-3 |
| 24 | 16,000-19,000 | .75 | 11.0 | .36 | 1.00 | 7.30 | 1.74 | 3.12 | 313A102-21 |
| 24 | 14,400-17,000 | .85 | 11.0 | .32 | .85 | 6.50 | 1.96 | 3.50 | 313A102-4 |
| 24 | 12,000-14,500 | 1.00 | 8.7 | .28 | .80 | 4.50 | 2.26 | 5.08 | 313A102-7 |
| 24 | 10,400-12,300 | 1.10 | 6.9 | .23 | .75 | 3.30 | 2.71 | 7.68 | 313A102-1 |
| 24 | 7,400-8,900 | 1.60 | 5.5 | .17 | .70 | 1.70 | 3.77 | 13.43 | 313A102-2 |
| 24 | 6,900-8,200 | 1.80 | 4.3 | .16 | .65 | 1.20 | 4.05 | 18.28 | 313A102-8 |
| 24 | 6,200-7,400 | 1.80 | 3.4 | .14 | .60 | .89 | 4.52 | 25.59 | 313A102-22 |
| 24 | 5,200-6,200 | 1.20 | 3.4 | .12 | .45 | .74 | 5.42 | 30.70 | 313A102-10 |
| 50 | 7,600-9,400 | 1.50 | 7.5 | .09 | .25 | .92 | 7.25 | 51.55 | 313A102-11 |
| 75 | 14,000-17,000 | 1.00 | 8.6 | .10 | .29 | 1.60 | 6.33 | 45.10 | 313A102-25 |
| 75 | 9,000-11,000 | 1.70 | 6.8 | .07 | .29 | .85 | 9.36 | 84.10 | 313A102-16 |
| 75 | 8,000-10,000 | 1.80 | 5.4 | .06 | .26 | .60 | 10.56 | 119.40 | 313A102-12 |
| 75 | 6,500-8,000 | 1.20 | 4.3 | .05 | .20 | .37 | 13.58 | 194.00 | 313A102-15 |
| 75 | 4,500-5,300 | 1.00 | 3.4 | .04 | .10 | .23 | 16.89 | 303.00 | 313A102-13 |

**Because of brush drop and field distortion, current and torque indicated will not always be attainable

*When You Order

Units shown above are standard and may be ordered by part number. Remember to include armature winding dash number, EXAMPLE: 313A102-1

Typical Motor Performance

Part No.: 313A102-1

Voltage: 24 VDC

