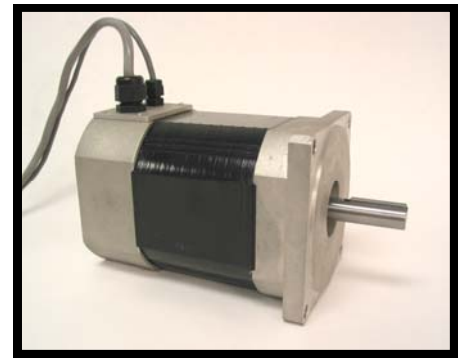


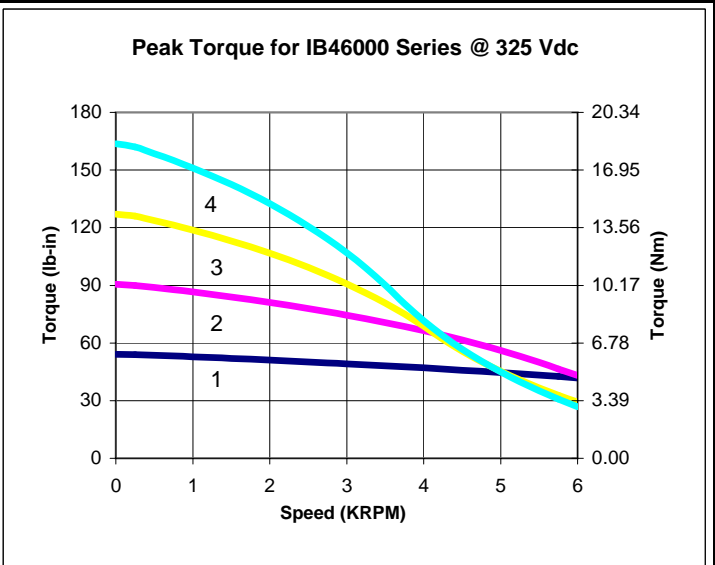
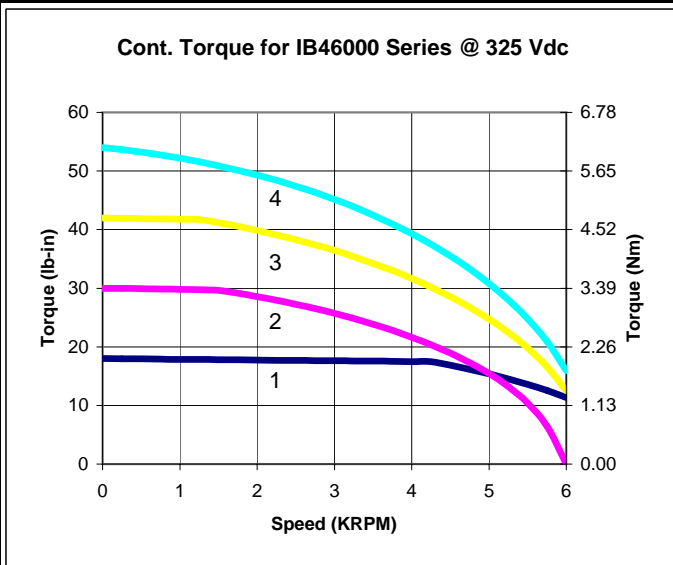
IB46000 Brushless Motor

- 4.75 Inch Size 56
- Continuous Torques from 18 to 54 lb-in
- Speeds up to 6000 rpm
- Voltage Rating up to 325 Vdc
- Integrated Hall Effect Commutation
- 90 Lb Radial Load Capacity, 1/2" from Front Face
- Optical Encoders - High Precision, Optional
- NEMA 56 "Bolt On" Precision Gearheads, Optional



| Catalog Number | Torque | | Speed @ Vt ω RPM | Voltage Terminal Vt V dc | Current | | Torque Constant | | Voltage Constant Ke V / KRPM | Res. Rt ohms | Ind. L mH | Inertia | | Weight |
|----------------|-------------------------|------------------------|------------------------|--------------------------------|----------------|---------------|-----------------|-----------|------------------------------------|--------------------|-----------------|--------------------|----------------------|------------|
| | Cont. Tcs Nm / lb-in | Peak Tps Nm / lb-in | | | Cont. Ics A | Peak Ips A | Nm / A | lb-in / A | | | | kg-cm ² | lb-in-s ² | |
| IB46001 | 2.03 / 18 | 6.1 / 54 | 6000 | 325 | 16.7 | 50.1 | 0.152 | 1.35 | 15.9 | 0.22 | 1.27 | 7.91 | 0.007 | 4.99 / 11 |
| IB46002 | 3.39 / 30 | 10.17 / 90 | 5000 | 325 | 17.4 | 52.2 | 0.243 | 2.15 | 25.5 | 0.32 | 2.06 | 12.43 | 0.011 | 7.71 / 17 |
| IB46003 | 4.75 / 42 | 14.24 / 126 | 5000 | 325 | 17.9 | 53.8 | 0.331 | 2.93 | 34.6 | 0.45 | 2.82 | 16.95 | 0.015 | 10.88 / 24 |
| IB46004 | 6.1 / 54 | 18.3 / 162 | 5000 | 325 | 20.9 | 62.7 | 0.365 | 3.23 | 38.2 | 0.45 | 2.77 | 21.47 | 0.019 | 13.61 / 30 |

Notes: 1) 155C winding temp for Tc, Ic, Tp, Ip. All others @ 25C. 2) Tolerance on winding constants (+/- 10%), Resistance and Inductance (+/- 15%). 3) Visit www.mcg-net.com for more CAD drawings & data



Curves 1) IB46001 2) IB46002 3) IB46003 4) IB46004

System Performance may differ depending on the drive capability.

