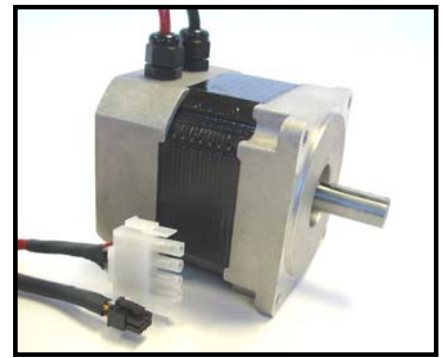


IB34000 Brushless Motor

- 3.25 Inch NEMA 34 w/ Heavy Duty Shaft
- Continuous Torques from 5.6 to 18 lb-in
- Speeds up to 6000 rpm
- Voltage Rating up to 170 Vdc
- Integrated Hall Effect Commutation
- 30 Lb Radial Load Capacity, 1/2" from Front Face
- Optical Encoders - Economical to High Precision, Optional
- NEMA 34 HD "Bolt On" Brake or Precision Gearhead, Optional



E192702



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 Kg / lb
	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	
IB34007	0.64 / 5.63	1.91 / 16.9	5000	170	3.0	9.1	0.228	2.02	23.9	2.010	8.46	0.678	0.0006	1.5 / 3.3
IB34002	0.95 / 8.44	2.82 / 25	6000	170	7.2	21.4	0.143	1.27	15	0.443	1.89	1.017	0.0009	2 / 4.4
IB34003	1.31 / 11.56	3.89 / 34.4	6000	170	8.9	26.5	0.159	1.41	16.7	0.405	1.69	1.243	0.0011	2.49 / 5.5
IB34004	1.52 / 13.44	4.59 / 40.6	5000	170	11.8	35.5	0.140	1.24	14.7	0.259	1.05	1.582	0.0014	3.04 / 6.7
IB34005	1.77 / 15.63	5.3 / 46.9	4500	170	12.1	36.3	0.159	1.40	16.6	0.224	1.08	2.034	0.0018	3.54 / 7.8
IB34006	2.05 / 18.13	6.11 / 54.1	4000	170	11.8	35.3	0.188	1.67	19.7	0.346	1.38	2.373	0.0021	4.08 / 9

Notes: 1) 125C 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

