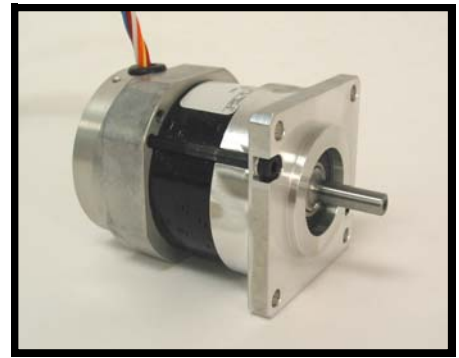


# IB23000 Brushless Motor

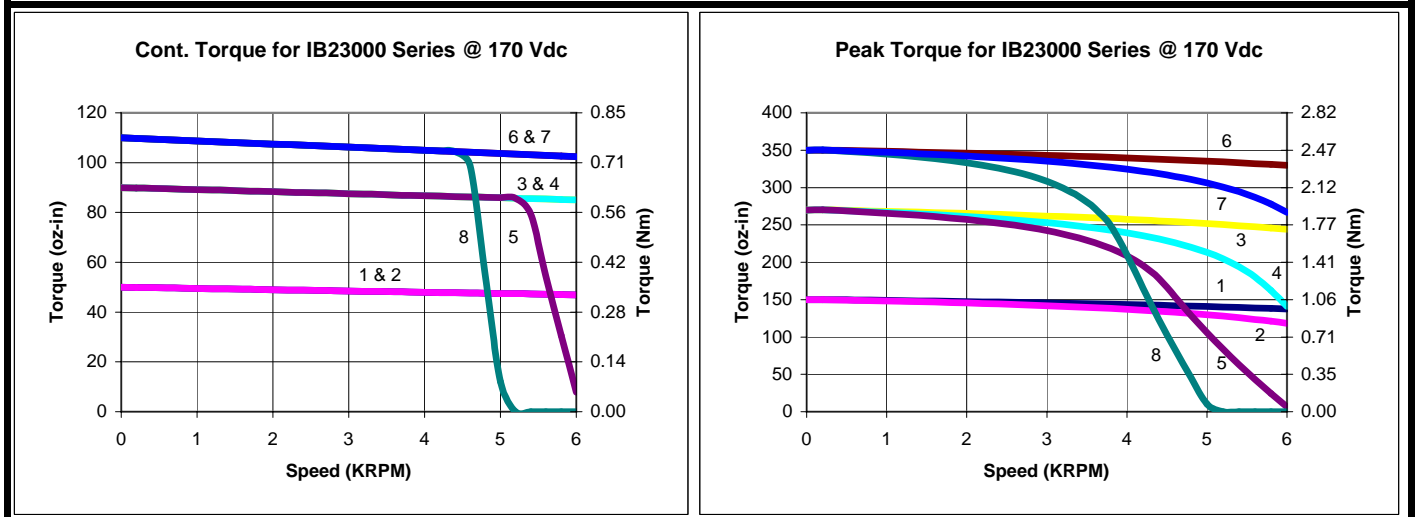
- 2.25 Inch Size 23 Motor
- Continuous Torques from 50 to 110 oz-in
- Speeds up to 6000 rpm
- Voltage Rating up to 170 Vdc
- 16 Lb Radial Load 1/2" from Front Face
- Optical Encoders - High Precision w/Bearing, Optional
- NEMA 23 Low Cost Planetary, Optional
- "Bolt On" Brake or Precision Gearhead, Optional



IB23000 Instrument Grade Brushless Motor

Catalog Number	Torque		Speed	Voltage	Current		Torque		Voltage	Res. Rt	Ind. L	Inertia		Weight
	Cont. Tcs	Peak Tps	@ Vt ω	Terminal Vt	Cont. Ics	Peak Ips	Constant Kt	Constant Ke	Jm			Jm	Kg / lb	
	Nm / oz-in	Nm / oz-in	RPM	V dc	A	A	Nm / A	oz-in / A	V / KRPM	ohms	mH	kg-cm <sup>2</sup>	oz-in-s <sup>2</sup>	
IB23000	0.35 / 50	1.06 / 150	6000	170	3.4	10.3	0.107	15.1	11.2	2.09	1.60	0.1342	0.0019	0.91 / 2
IB23003	0.35 / 50	1.06 / 150	6000	170	2.3	6.9	0.160	22.7	16.8	5.01	3.61	0.1342	0.0019	0.91 / 2
IB23001	0.64 / 90	1.91 / 270	6000	170	5.0	14.9	0.134	18.9	14.0	1.16	1.07	0.2613	0.0037	1.32 / 2.9
IB23004	0.64 / 90	1.91 / 270	6000	170	3.1	9.3	0.214	30.3	22.4	2.95	2.70	0.2613	0.0037	1.32 / 2.9
IB23005	0.64 / 90	1.91 / 270	4900	170	2.5	7.4	0.267	37.9	28.0	4.66	4.29	0.2613	0.0037	1.32 / 2.9
IB23002	0.78 / 110	2.33 / 330	6000	170	6.7	20.2	0.120	17.0	12.6	0.586	0.54	0.3884	0.0055	1.72 / 3.8
IB23006	0.78 / 110	2.33 / 330	6000	170	4.0	12.1	0.201	28.4	21.0	1.55	1.50	0.3884	0.0055	1.72 / 3.8
IB23007	0.78 / 110	2.33 / 330	4200	170	2.5	7.6	0.321	45.4	33.6	3.94	3.85	0.3884	0.0055	1.72 / 3.8

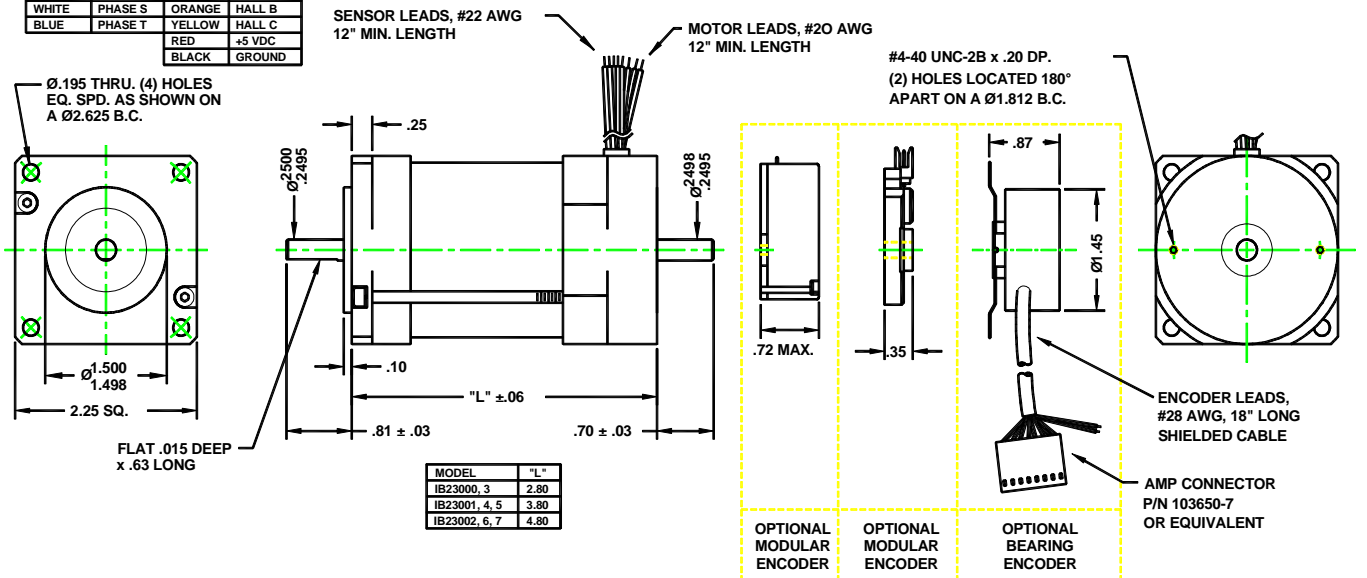
Notes: 1) 125C winding temp for Tc, Ic, Tp, Ip. All others @ 25C. 2) Tolerance on winding constants (+/- 10%), Resistance and Inductance (+/- 15%). 3) Visit www.mcgn-net.com for more CAD drawings & data



Curves: 1) IB23000, 2) IB23003, 3) IB23001, 4) IB23004, 5) IB23005, 6) IB23002, 7) IB23006, 8) IB23007

System Performance may differ due to drive capability

COLOR CODE			
COLOR	FUNCTION	COLOR	FUNCTION
RED	PHASE R	BROWN	HALL A
WHITE	PHASE S	ORANGE	HALL B
BLUE	PHASE T	YELLOW	HALL C
		RED	+5 VDC
		BLACK	GROUND



Contact us at: www.mcgn-net.com

