

ID33000 DC Brush Motor

- 3.25 Inch HD NEMA 34 Motor
- Continuous Torque From 4.7 to 14 lb-in
- Speeds to 6000 rpm
- Voltage Rating up to 90 Vdc
- 30 Lb Radial Load 1/2" from Front Face
- Smooth, low cogging Magnetics
- Optical Encoders - Economical to High Precision, Optional
- "Bolt On" Brake or Precision Gearhead, Optional



Catalog Number	Torque		Speed	Voltage	Current		Torque		Voltage	Res. Rt	Ind. L	Inertia		Weight
	Cont. Tcs	Peak Tps	@ Vt	Terminal	Cont. Ics	Peak Ips	Constant Kt	Constant Ke						
	Nm / lb-in	Nm / lb-in	ω	Vt	A	A	Nm / A	lb-in / A	V / KRPM			ohms	mH	
ID33001	0.53 / 4.69	2.65 / 23.4	6000	90	4.9	24.7	0.1194	1.06	12.5	1.31	4.08	1.34	0.00119	2.54 / 5.6
ID33005	0.85 / 7.5	4.24 / 37.5	6000	90	7.4	36.9	0.1276	1.13	13.36	0.82	2.31	2.37	0.0021	3.27 / 7.2
ID33002	0.85 / 7.5	4.24 / 37.5	4000	90	4.9	24.6	0.1910	1.69	20	1.31	4.35	2.37	0.0021	3.27 / 7.2
ID33003	1.2 / 10.6	6 / 53.1	4200	90	7.6	38.0	0.1757	1.56	18.4	0.68	2.35	3.39	0.003	3.99 / 8.8
ID33004	1.59 / 14.1	7.94 / 70.3	3200	90	7.8	38.8	0.2273	2.01	23.8	0.86	2.76	4.45	0.00394	4.76 / 10.5

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

