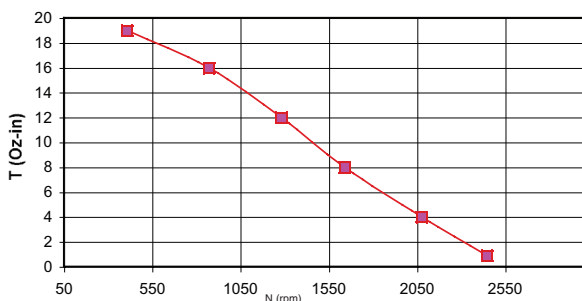


Motor Type

Coil dependent parameters / Winding type	Units	B-230013-12A	B-230013-20A	B-230013-24D
1. DC Resistance at 25°C (line-to-line) / ±10%	Ohm		0.5	0.75
2. Inductance at 1000 Hz (line-to-line) ±20%	mH		1,1	1,65
3. Back - EMF Constant (line-to-line) ±10%	V/1000 rpm	5.0	8.8	10.0
4. Torque Constant ±10%	mNm/Amp	47.3	79.8	95.3
5. Max. Continuous Current	Amp	2.4	1.4	1,2
Coil independent parameter				
6. Max. Continuous Torque	mNm	113.7	114.8	113.7
Mechanical parameters				
7. Rotor Inertia	Oz-In-Sec2	0.00086	0.00086	0,00086
Dynamic performances				
8. Rated Voltage	Volt	12	20	24
9. Max. No Load Current	Amp	0.2	0.18	0,15
10. Max. No Load Speed	Rpm	2650	2540	2670
11. Thermal Resistance	°C/Watt	4.5	4.5	4,5

Speed v/s Torque Curve



B-230013-12A

Motor Characteristics

- Motor with preloaded ball bearings
- Motor with three phase star connection of the coils
- Hall sensors: Supply voltage 4.5V to 20 VDC
- 4 pole design

Note: 1) Above models can be supplied with special mounting configuration such as shaft with flat end, tapping, undercuts & end bells with a variety of holes, tapping requirement on requests
 2) Above models can be supplied with attachment of gear/pulley/drive electronics on requests

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