

Motor Type

Coil dependent parameters / Winding type

	Units	C-230012-12B	C-230012-20A	C-230012-24C
1. DC Resistance at 25°C (line-to-line) / ±10%	Ohm	0.25	0.5	0.75
2. Inductance at 1000 Hz (line-to-line) ±20%	mH	0,35	1,1	1,65
3. Back - EMF Constant (line-to-line) ±10%	V/1000 rpm	2,35	4,3	5,2
4. Torque Constant ±10%	mNm/Amp	22.5	40.9	48.7
5. Max. Continuous Current	Amp	6,3	4,5	3,7

Coil independent parameter

6. Max. Continuous Torque	mNm	142.6	181.5	179.4
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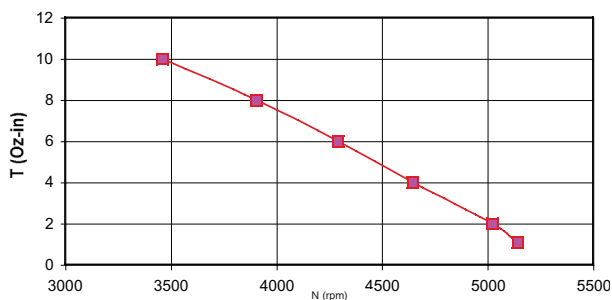
Mechanical parameters

7. Rotor Inertia	Oz-In-Sec2	0.00143	0.00143	0.00143
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Dynamic performances

8. Rated Voltage	Volt	12	20	24
9. Max. No Load Current	Amp	0.75	0.5	0.4
10. Max. No Load Speed	Rpm	5650	5500	5120
11. Thermal Resistance	°C/Watt	4.5	4.5	4.5

Speed v/s Torque Curve



C-230012-12B

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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