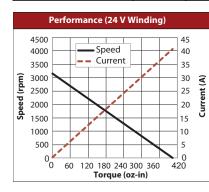


		Part/Model Number							
Specification	Units	14207 15.2 V	14207 19.1 V	14207 24.0 V	14207 30.3 V	14207 38.2 V	14207 48.0 V	14207 60.0 V	14207 76.4 V
Supply Voltage	VDC	15.2	19.1	24.0	30.3	38.2	48.0	60.6	76.4
Continuous Torque	oz-in	50	50	50	50	50	50	50	50
	Nm	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
Speed @ Cont. Torque	RPM	2910	2770	2810	2810	2820	2840	2830	2830
Current @ Cont. Torque	Amps (A)	9.98	7.48	5.98	4.71	3.74	2.99	2.37	1.87
Continuous Output Power	Watts (W)	108	102	104	104	104	105	105	105
Motor Constant	oz-in/sqrt W	12	13	13	13	13	13	13	13
	Nm/sqrt W	0.085	0.092	0.092	0.092	0.092	0.092	0.092	0.092
Torque Constant	oz-in/A	6.00	8.00	10.0	12.7	16.0	20.0	25.3	32.0
	Nm/A	0.0424	0.0565	0.0706	0.0897	0.113	0.1412	0.1786	0.2259
Voltage Constant	V/krpm	4.44	5.92	7.39	9.39	11.8	14.8	18.7	23.7
	V/rad/s	0.0424	0.0565	0.0706	0.0897	0.1127	0.1413	0.1786	0.2263
Terminal Resistance	Ohms	0.24	0.39	0.59	0.93	1.46	2.29	3.64	5.78
Inductance	mH	0.31	0.56	0.87	1.40	2.23	3.48	5.58	8.93
No-Load Current	Amps (A)	0.51	0.38	0.30	0.24	0.19	0.15	0.12	0.090
No-Load Speed	RPM	3330	3140	3160	3140	3140	3160	3150	3140
Peak Current	Amps (A)	63.3	49.0	40.7	32.6	26.2	21.0	16.6	13.2
Peak Torque	oz-in	377	389	404	411	416	416	418	420
	Nm	2.6616	2.7463	2.8522	2.9017	2.937	2.937	2.9511	2.9652
Coulomb Friction Torque	oz-in	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	Nm	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155
Viscous Damping Factor	oz-in/krpm	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Nm s/rad	1.68E-5	1.68E-5	1.68E-5	1.68E-5	1.68E-5	1.68E-5	1.68E-5	1.68E-5
Electrical Time Constant	ms	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5
Mechanical Time Constant	ms	6.3	5.8	5.6	5.5	5.4	5.4	5.4	5.4
Thermal Time Constant	min	32	32	32	32	32	32	32	32
Thermal Resistance	Celsius/W	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Max. Winding Temperature	Celsius	155	155	155	155	155	155	155	155
Rotor Inertia	oz-in-sec2	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067
	kg-m2	4.73E-5	4.73E-5	4.73E-5	4.73E-5	4.73E-5	4.73E-5	4.73E-5	4.73E-5
Weight (Mass)	OZ	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
	g	1545	1545	1545	1545	1545	1545	1545	1545



Standard Features

- Sintered Bronze Bearings
- 2-Pole Stator
- 11-Slot Armature
- Heavy-Gage Steel Housing Ceramic Magnets
 - Silicon Steel Laminations
- Copper-Graphite Brushes
- Diamond-Turned Commutator

Complimentary Products

- Encoders
- Gearboxes
- Brakes

- 1 All values specified at 25°C ambient temperature and without heat sink.
- 2 Peak values are theoretical and supplied for reference only.

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