



Specification	Units	Part/Model Number							
		14202 12.0 V	14202 15.2 V	14202 19.1 V	14202 24.0 V	14202 30.3 V	14202 38.2 V	14202 48.0 V	14202 60.0 V
Supply Voltage	VDC	12.0	15.2	19.1	24.0	30.3	38.2	48.0	60.6
Continuous Torque	oz-in	14	14	14	14	14	14	14	14
	Nm	0.0988	0.0988	0.0988	0.0988	0.0988	0.0988	0.0988	0.0988
Speed @ Cont. Torque	RPM	3430	3460	3500	3480	3490	3470	3490	3490
Current @ Cont. Torque	Amps (A)	4.57	3.62	2.89	2.28	1.81	1.42	1.14	0.91
Continuous Output Power	Watts (W)	36	36	36	36	36	36	36	36
Motor Constant	oz-in/sqrt W	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0
	Nm/sqrt W	0.041	0.042	0.042	0.042	0.042	0.042	0.042	0.042
Torque Constant	oz-in/A	3.90	4.93	6.166	7.80	9.85	12.5	15.6	19.7
	Nm/A	0.028	0.035	0.044	0.055	0.07	0.088	0.11	0.139
Voltage Constant	V/krpm	2.88	3.65	4.56	5.77	7.28	9.26	11.5	14.6
	V/rad/s	0.028	0.035	0.044	0.055	0.07	0.088	0.11	0.139
Terminal Resistance	Ohms	0.45	0.71	1.09	1.73	2.74	4.37	6.85	10.9
Inductance	mH	0.63	1.01	1.58	2.54	4.05	6.55	10.2	16.2
No-Load Current	Amps (A)	0.49	0.39	0.31	0.24	0.19	0.15	0.12	0.10
No-Load Speed	RPM	4000	4010	4040	4010	4010	3970	4010	4000
Peak Current	Amps (A)	26.7	21.4	17.5	13.87	11.06	8.74	7.01	5.56
Peak Torque	oz-in	102	104	106	106	107	108	107	108
	Nm	0.7201	0.7342	0.7484	0.7484	0.7554	0.7625	0.7554	0.7625
Coulomb Friction Torque	oz-in	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	Nm	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085
Viscous Damping Factor	oz-in/krpm	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
	Nm s/rad	1.14E-5	1.14E-5	1.14E-5	1.14E-5	1.14E-5	1.14E-5	1.14E-5	1.14E-5
Electrical Time Constant	ms	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
Mechanical Time Constant	ms	10	10	9.4	9.3	9.2	9.1	9.2	9.1
Thermal Time Constant	min	24	24	24	24	24	24	24	24
Thermal Resistance	Celsius/W	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Max. Winding Temperature	Celsius	155	155	155	155	155	155	155	155
Rotor Inertia	oz-in-sec ²	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
	kg-m ²	1.62E-5	1.62E-5	1.62E-5	1.62E-5	1.62E-5	1.62E-5	1.62E-5	1.62E-5
Weight (Mass)	oz	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
	g	737.1	737.1	737.1	737.1	737.1	737.1	737.1	737.1

Performance (24 V Winding)	Standard Features
	<ul style="list-style-type: none"> Sintered Bronze Bearings 2-Pole Stator Ceramic Magnets 11-Slot Armature Heavy-Gage Steel Housing Silicon Steel Laminations Copper-Graphite Brushes Diamond-Turned Commutator
	<p>Complementary Products</p> <ul style="list-style-type: none"> Encoders Gearboxes Brakes
	<p>Notes</p> <p>1 All values specified at 25°C ambient temperature and without heat sink. 2 Peak values are theoretical and supplied for reference only.</p>

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