

IB		Physical Specs		Motor Constants			Contin. Specs			Peak Values				Modeling values				
Index	Model Number		Weight		Torque Constant (Peak) (L2L)			Cont. Stall Torque		Cont. Stall Current	Peak Stall Torque		Peak Stall Current	Max Speed	L-to-L Resistance	L-to-L Inductance	Rotor Inertia	
	IEC Mounting	NEMA Mounting	W		K _T		K _E	T _{cs}		I _{cs}	T _P		I _P	n _{max}	R	L	J	
			kg	lb	Nm/A	lb-in/amp	V/kRPM	Nm	lb-in	A	Nm	lb-in	A	rpm	ohms	mH	kg-cm ²	lb-in-sec ²
1	IB 50 A - 32	IB 5N A - 32	1.10	2.40	0.38	3.36	32.30	0.45	3.90	1.38	1.80	15.90	4.00	7000	12.30	19.90	0.0677	0.00006
2	IB 50 B - 32	IB 5N B - 32	1.60	3.40	0.38	3.36	32.30	0.91	8.00	2.87	3.65	32.30	10.00	7000	4.07	8.90	0.1240	0.00011
3	IB 50 C - 32	IB 5N C - 32	2.00	4.40	0.38	3.31	31.90	1.36	12.00	4.30	5.44	48.15	15.00	7000	2.20	4.20	0.1800	0.00016
4	IB 50 A - 65	IB 5N A - 65	1.10	2.40	0.75	6.63	65.00	0.45	3.90	0.69	1.80	15.90	2.00	7000	50.18	68.00	0.0677	0.00006
5	IB 50 B - 65	IB 5N B - 65	1.60	3.40	0.75	6.63	65.00	0.91	8.00	1.40	3.65	32.00	5.00	7000	16.20	35.10	0.1240	0.00011
6	IB 50 C - 62	IB 5N C - 62	4.40	2.00	0.72	6.38	61.60	1.36	12.00	2.20	5.44	48.15	8.00	7000	8.25	15.16	0.1800	0.00016
7	IB 63 A - 34	IB 6N A - 34	1.68	3.70	0.39	3.48	33.65	0.77	6.80	2.17	3.08	27.25	7.82	7000	9.40	12.77	0.2031	0.00018
8	IB 63 B - 33	IB 6N B - 33	2.30	5.00	0.39	3.41	33.00	1.47	13.00	4.23	5.88	52.04	15.23	7000	3.10	4.75	0.3840	0.00034
9	IB 63 C - 32	IB 6N C - 32	2.90	6.30	0.37	3.28	31.74	2.09	18.50	6.26	8.36	73.99	22.53	7000	1.50	2.85	0.5640	0.00050
10	IB 63 A - 67	IB 6N A - 67	1.68	3.70	0.79	6.96	67.30	0.77	6.80	1.08	3.08	27.25	3.91	7000	37.40	53.63	0.2031	0.00018
11	IB 63 B - 66	IB 6N B - 66	2.30	5.00	0.77	6.84	66.00	1.47	13.00	2.11	5.88	52.04	7.61	7000	11.60	24.77	0.3840	0.00034
12	IB 63 C - 70	IB 6N C - 70	2.90	6.30	0.75	6.63	64.13	2.09	18.50	3.09	11.15	73.99	10.19	7000	5.92	13.67	0.5640	0.00050
13	IB 80 A - 30	IB 8N A - 30	3.20	7.00	0.39	3.40	29.60	1.65	14.60	4.74	6.60	58.41	17.10	7000	2.10	5.20	0.9150	0.00081
14	IB 80 B - 35	IB 8N B - 35	4.60	10.00	0.41	3.59	34.70	3.20	28.30	8.76	12.80	113.28	31.50	7000	0.83	2.73	1.7170	0.00152
15	IB 80 A - 51	IB 8N A - 51	3.20	7.00	0.60	5.30	51.30	1.65	14.60	3.05	6.60	58.41	11.00	7000	5.10	13.97	0.9150	0.00081
16	IB 80 B - 54	IB 8N B - 54	4.60	10.00	0.63	5.60	54.10	3.20	28.30	5.61	12.80	113.28	20.20	7000	0.81	5.30	1.7170	0.00152
17	IB 80 C - 50	IB 8N C - 50	6.00	13.00	0.58	5.15	49.70	4.52	40.00	8.61	18.08	160.00	31.01	7000	0.94	4.00	2.5190	0.00223
18	IB 80 A - 73	IB 8N A - 73	3.20	7.00	0.85	7.50	73.30	1.65	14.60	2.14	6.60	58.41	7.69	7000	9.53	28.00	0.9150	0.00081
19	IB 90 A - 71	IB 9N A - 71	8.20	18.00	0.83	7.31	70.64	6.00	53.00	8.07	24.00	212.41	29.05	6000	1.24	4.15	3.3890	0.00300
20	IB 90 B - 150	IB 9N B - 150	12.70	28.00	1.75	15.45	149.60	10.00	88.00	6.36	40.00	354.00	22.90	5700	0.92	10.50	6.3270	0.00560
21	IB 90 C - 264	IB 9N C - 264	17.30	38.00	1.51	13.31	264.41	13.30	117.00	8.92	53.20	471.00	32.14	5800	1.02	5.53	9.2640	0.00820

Note: Number of poles for all the motors is 4, except for the IB 90s, which is 8.