ELECTRICAL DATA

Asynchronous three-phase motors, squirrel-case rotor.
External cooling IC 411, continuous service S1.
Isolating class 155(F), protection grade IP 55.

Aluminum motors **IE1-MS** series
Cast iron motors **IE1-EG** series

Synchronous speed 3000 rpm - 2 poles — 400 V, 50 Hz

TYPE	Power		M_N	n	IE1 efficiency class EN 60034-2-1	I_N 400 V	I_A/I_N	Cosφ	M_A/M_N	M_K/M_N	J	Noise level	m
	kW	CV	N.m	rpm	100%	A					Kgm^2	dB(A)	Kg
MS 56 1-2	0.09	0.12	0.32	2710	53	0.36	4	0.72	2.2	2.3	0.00006	58	2.6
MS 56 2-2	0.12	0.17	0.42	2700	61	0.4	4	0.72	2.2	2.3	0.00008	58	3.0
• **MS 56 3-2**	0.18	0.25	0.63	2710	63	0.55	6	0.75	2.2	2.4	0.00010	61	4.0
MS 63 1-2	0.18	0.25	0.63	2710	63	0.55	6	0.75	2.2	2.4	0.00013	61	4.0
MS 63 2-2	0.25	0.33	0.88	2710	65	0.71	6	0.78	2.2	2.4	0.00015	61	4.2
• **MS 63 3-2**	0.37	0.5	1.30	2710	65	1.05	6	0.78	2.2	2.4	0.00017	62	4.7
MS 71 1-2	0.37	0.5	1.29	2730	70	0.97	6	0.79	2.2	2.4	0.00021	64	5.2
MS 71 2-2	0.55	0.75	1.90	2760	71	1.42	6	0.79	2.2	2.4	0.00027	64	6.0
• **MS 71 3-2**	0.75	1	2.62	2730	72	1.83	6	0.82	2.2	2.4	0.00033	65	7.0
IE1-MS 80 1-2	0.75	1	2.59	2770	73	1.77	6	0.84	2.2	2.4	0.00039	67	8.7
IE1-MS 80 2-2	1.1	1.5	3.79	2770	76.2	2.51	6	0.83	2.2	2.4	0.00051	67	10.0
• **MS 80 3-2**	1.5	2	5.12	2800	78.5	3.32	6	0.83	2.2	2.4	0.00068	70	11.2
IE1-MS 90 S-2	1.5	2	5.04	2840	78.5	3.28	6	0.84	2.2	2.4	0.00093	72	12.0
IE1-MS 90 L1-2	2.2	3	7.40	2840	81	4.61	6	0.85	2.2	2.4	0.00115	72	14.5
• **MS 90 L2-2**	3	4	10.09	2840	82.6	6.1	6	0.86	2.2	2.4	0.00142	74	15.0
IE1-MS 100 L1-2	3	4	10.09	2840	82.6	6.03	7	0.87	2.2	2.3	0.00211	76	20.0
• **MS 100 L2-2**	4	5.5	13.40	2850	84.2	7.88	7.5	0.87	2.2	2.3	0.00272	77	24.0
IE1-MS 112 M-2	4	5.5	13.26	2880	84.2	7.88	7.5	0.87	2.2	2.3	0.00317	77	26.0
• **MS 112 L2-2**	5.5	7.5	18.24	2880	85.7	10.5	7.5	0.88	2.2	2.3	0.00434	78	29.3
IE1-MS 132 S1-2	5.5	7.5	18.11	2900	85.7	10.5	7.5	0.88	2	2.2	0.00744	80	38.4
IE1-MS 132 S2-2	7.5	10	24.53	2920	87	14.1	7.5	0.88	2	2.2	0.00910	80	41.3
• **MS 132 M1-2**	9.2	12.5	29.99	2930	88	17.3	7.5	0.89	2	2.2	0.01072	81	48.2
• **MS 132 M2-2**	11	15	35.85	2930	88.4	20	7.5	0.90	2	2.2	0.01146	83	52.5
IE1-MS 160 M1-2	11	15	35.73	2940	88.4	20	7.5	0.90	2	2.2	0.02380	86	76.0
IE1-MS 160 M2-2	15	20	48.72	2940	89.4	26.6	7.5	0.91	2	2.2	0.03117	86	77.5
IE1-MS 160 L2-2	18.5	25	60.09	2940	90	32.6	7.5	0.91	2	2.2	0.03617	86	92.0
IE1-EG 160 M1-2	11	15	35.9	2930	88.4	21.2	7.5	0.89	2.2	2.3	0.0377	88	109
IE1-EG 160 M2-2	15	20	48.9	2930	89.4	28.6	7.5	0.89	2.2	2.3	0.0449	88	125
IE1-EG 160 L-2	18.5	25	60.3	2930	90	34.7	7.5	0.90	2.2	2.3	0.0550	88	147
IE1-EG 180 M-2	22	30	71.5	2940	90.5	41	7.5	0.90	2	2.3	0.0750	91	180
IE1-EG 200 L1-2	30	40	97.1	2950	91.4	55.4	7.5	0.90	2	2.3	0.1240	94	240
IE1-EG 200 L2-2	37	50	120	2950	92	67.9	7.5	0.90	2	2.3	0.1390	94	255
IE1-EG 225 M-2	45	60	145	2970	92.5	82.1	7.5	0.90	2	2.3	0.2330	94	309
IE1-EG 250 M-2	55	75	177	2970	93	99.8	7.5	0.90	2	2.3	0.3120	95	403
IE1-EG 280 S-2	75	100	241	2970	93.6	135	7.5	0.90	2	2.3	0.5790	96	572
IE1-EG 280 M-2	90	125	289	2970	93.9	160	7.5	0.91	2	2.3	0.6750	96	620
IE1-EG 315 S-2	110	150	353	2980	94	195	7.1	0.91	1.8	2.2	1.1800	98	980
IE1-EG 315 M-2	132	180	423	2980	94.5	233	7.1	0.91	1.8	2.2	1.8200	98	1080
IE1-EG 315 L1-2	160	220	513	2980	94.6	279	7.1	0.92	1.8	2.2	2.0800	101	1160
IE1-EG 315 L2-2	200	270	641	2980	94.8	348	7.1	0.92	1.8	2.2	2.4100	101	1190

• Reduced frame size.

* The electrical data are not restricted to the series, for more detailed information please ask. Data MSL Series and EGQ series.