

# 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 1000 rpm - 6 poles

400 V, 50 Hz

TYPE	Power		M <sub>N</sub> N.m	n rpm	IE1 efficiency class EN 60034-2-1 100%	I <sub>N</sub> 400 V A	I <sub>A</sub> /I <sub>N</sub>	Cosφ	M <sub>A</sub> /M <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub>	J Kg·m <sup>2</sup>	Noise level dB(A)	m Kg
	kW	CV											
MS 63 1-6	0.09	0.12	1	840	42	0.51	3.5	0.61	2	2	0.00021	50	4.2
MS 63 2-6	0.12	0.17	1.3	850	45	0.62	3.5	0.62	2	2	0.00023	50	4.5
MS 71 1-6	0.18	0.25	2	880	56	0.7	4	0.66	1.6	1.7	0.00065	52	5.6
MS 71 2-6	0.25	0.33	2.7	900	59	0.87	4	0.70	2.1	2.2	0.00087	52	6.0
• MS 71 3-6	0.37	0.5	4	890	61	1.27	4	0.69	2	2.1	0.00108	54	6.8
MS 80 1-6	0.37	0.5	3.9	900	62	1.23	4	0.70	1.9	1.9	0.00140	56	8.1
MS 80 2-6	0.55	0.75	5.8	900	67	1.65	4	0.72	2	2.3	0.00186	56	9.6
• MS 80 3-6	0.75	1	8	900	68	2.21	4	0.72	2	2.3	0.00232	58	10.0
IE1-MS 90 S-6	0.75	1	7.8	920	69	2.18	5.5	0.72	2.2	2.2	0.00266	59	11.3
IE1-MS 90 L1-6	1.1	1.5	11.4	925	72	3.02	5.5	0.73	2.2	2.2	0.00350	59	14.4
• MS 90 L2-6	1.5	2	15.5	925	74	3.9	5.5	0.75	2	2.2	0.00625	60	15.5
IE1-MS 100 L1-6	1.5	2	15.2	945	74	3.85	6	0.76	2.2	2.2	0.00562	61	18.8
• MS 100 L2-6	2.2	3	22.1	950	77	5.43	6	0.76	2.2	2.2	0.01225	63	19.8
IE1-MS 112 M-6	2.2	3	22	955	78	5.36	6	0.76	2.2	2.2	0.01333	64	25.0
• MS 112 L-6	3	4	30.2	950	79	7.12	6	0.77	2.2	2.2	0.01800	64	30.0
IE1-MS 132 S-6	3	4	29.8	960	79	7.21	6.5	0.76	2	2	0.02187	64	35.0
IE1-MS 132 M1-6	4	5.5	39.8	960	80.5	9.44	6.5	0.76	2	2	0.02541	68	47.6
IE1-MS 132 M2-6	5.5	7.5	54.7	960	83	12.4	6.5	0.77	2	2	0.03068	68	50.7
• MS 132 L-6	7.5	10	74.6	960	85	16.5	6.5	0.77	2	2	0.03602	68	47.6
IE1-MS 160 M-6	7.5	10	74.6	960	86	15.7	6.5	0.80	2	2.2	0.06927	68	70.0
IE1-MS 160 L-6	11	15	109.4	960	87.5	23	6.5	0.79	2	2.2	0.12674	73	87.0
IE1-EG 160 M-6	7.5	10	73.8	970	86	17	6.5	0.77	2	2.1	0.0881	80	119
IE1-EG 160 L-6	11	15	108	970	87.5	24.5	6.5	0.78	2	2.1	0.1160	80	147
IE1-EG 180 L-6	15	20	148	970	89	31.6	7	0.81	2	2.1	0.2070	79	195
IE1-EG 200 L1-6	18.5	25	182	970	90	38.6	7	0.81	2.1	2.1	0.3150	82	220
IE1-EG 200 L2-6	22	30	217	970	90	44.7	7	0.83	2.1	2.1	0.3600	82	250
IE1-EG 225 M-6	30	40	292	980	91.5	59.3	7	0.84	2	2.1	0.5470	82	292
IE1-EG 250 M-6	37	50	361	980	92	71	7	0.86	2.1	2.1	0.8340	84	408
IE1-EG 280 S-6	45	60	439	980	92.5	86	7	0.86	2.1	2	1.3900	85	536
IE1-EG 280 M-6	55	75	536	980	92.8	105	7	0.86	2.1	2	1.6500	85	595
IE1-EG 315 S-6	75	100	723	990	93.5	142	7	0.86	2	2	4.1100	90	990
IE1-EG 315 M-6	90	125	868	990	93.8	170	7	0.86	2	2	4.2800	90	1080
IE1-EG 315 L1-6	110	150	1061	990	94	207	6.7	0.86	2	2	5.4500	90	1150
IE1-EG 315 L2-6	132	180	1273	990	94.2	245	6.7	0.87	2	2	6.1200	89	1210
IE1-EG 355 M1-6	160	220	1543	990	94.5	292	6.7	0.88	1.9	2	8.8500	96	1600

• Reduced frame size.

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