

# 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 750 rpm - 8 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 Kgm <sup>2</sup>	Noise level dB(A)	m Kg
	kW	CV											
MS 71 1-8	0.09	0.12	1.3	680	48	0.48	3	0.56	1.5	1.7	0.00084	50	5.6
MS 71 2-8	0.12	0.17	1.7	690	51	0.58	2.7	0.59	1.6	1.7	0.00087	50	6.0
MS 80 1-8	0.18	0.25	2.5	680	51	0.84	2.8	0.61	1.5	1.7	0.00140	52	9.4
MS 80 2-8	0.25	0.33	3.5	680	56	1.06	2.7	0.61	1.6	2	0.00186	52	10.1
• MS 80 3-8	0.37	0.5	5.2	680	63	1.35	2.8	0.63	1.6	1.8	0.00195	56	14.8
MS 90 S-8	0.37	0.5	5.2	680	63	1.35	2.8	0.63	1.6	1.8	0.00186	56	12.5
MS 90 L-8	0.55	0.75	7.7	680	66	1.85	3	0.65	1.6	1.8	0.00217	56	15.3
MS 100 L1-8	0.75	1	10.1	710	66	2.45	3.5	0.67	1.7	2.1	0.00563	59	17.2
MS 100 L2-8	1.1	1.5	14.8	710	72	3.2	3.5	0.69	1.7	2.1	0.00716	59	19.5
MS 112 M-8	1.5	2	20.2	710	74	4.3	4.2	0.68	1.8	2.1	0.01159	61	25.5
MS 132 S-8	2.2	3	29.2	720	75	5.96	5.5	0.71	2	2	0.02541	64	34.2
MS 132 M-8	3	4	39.8	720	77	7.7	5.5	0.73	2	2	0.03068	64	40.0
MS 160 M1-8	4	5.5	52.3	730	80	9.89	6	0.73	1.9	2.1	0.06927	68	59.0
MS 160 M2-8	5.5	7.5	73	720	83.5	12.9	6	0.74	2	2.2	0.09353	68	69.0
MS 160 L-8	7.5	10	99.5	720	85	17	6	0.75	1.9	2.2	0.11300	68	87.0
EG 160 M1-8	4	5.5	53.1	720	81	10.3	6	0.73	1.9	2	0.0753	76	118
EG 160 M2-8	5.5	7.5	73	720	83	13.6	6	0.74	2	2	0.0931	76	119
EG 160 L-8	7.5	10	99.5	720	85.5	17.8	6	0.75	2	2	0.1260	76	145
EG 180 L-8	11	15	143.9	730	87.5	25.1	6.6	0.76	2	2	0.2030	78	184
EG 200 L-8	15	20	196.2	730	88	34.1	6.6	0.76	2	2	0.3390	80	250
EG 225 S-8	18.5	25	242	730	90	41.1	6.6	0.76	1.9	2	0.4910	80	266
EG 225 M-8	22	30	283.9	740	90.5	47.4	6.6	0.78	1.9	2	0.5470	80	292
EG 250 M-8	30	40	387.2	740	91	63.4	6.6	0.79	1.9	2	0.8340	82	405
EG 280 S-8	37	50	477.5	740	91.5	78	6.6	0.79	1.9	2	1.3900	83	520
EG 280 M1-8	45	60	580.7	740	92	94	6.6	0.79	1.9	2	1.6500	82	592
EG 315 S-8	55	75	709.8	740	92.8	111	6.6	0.81	1.8	2	4.7900	88	1000
EG 315 M-8	75	100	967.9	740	93	151	6.6	0.81	1.8	2	5.5800	88	1100
EG 315 L1-8	90	125	1161.5	740	93.8	178	6.6	0.82	1.8	2	6.3700	88	1160
EG 315 L2-8	110	150	1419.6	740	94	217	6.4	0.82	1.8	2	7.2300	88	1230

• Reduced frame size.

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