

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 1500 rpm - 4 poles

400 V, 50 Hz

TYPE	Power		M _N N.m	n rpm	IE1 efficiency class EN 60034-2-1 100%	I _N 400 V A	I _A /I _N	Cosφ	M _A /M _N	M _K /M _N	J Kg·m ²	Noise level dB(A)	m Kg
	kW	CV											
MS 56 1-4	0.06	0.08	0.42	1360	50	0.35	4	0.56	2.3	2.4	0.00009	50	2.9
MS 56 2-4	0.09	0.12	0.63	1360	52	0.45	4	0.59	2.3	2.4	0.00011	50	3.2
• MS 56 3-4	0.12	0.17	0.84	1360	52	0.55	4	0.64	2.2	2.4	0.00014	52	3.7
MS 63 1-4	0.12	0.17	0.84	1360	52	0.55	4	0.64	2.2	2.4	0.00016	52	3.7
MS 63 2-4	0.18	0.25	1.31	1310	57	0.7	4	0.65	2.2	2.4	0.00020	52	4.2
• MS 63 3-4	0.25	0.33	1.78	1340	60	0.91	4	0.66	2.2	2.2	0.00023	54	5.0
MS 71 1-4	0.25	0.33	1.77	1350	60	0.84	6	0.72	2.2	2.4	0.00058	55	5.0
MS 71 2-4	0.37	0.5	2.58	1370	65	1.11	6	0.74	2.2	2.4	0.00065	55	5.8
• MS 71 3-4	0.55	0.75	3.81	1380	66	1.6	6	0.75	2.2	2.4	0.00087	57	6.5
MS 80 1-4	0.55	0.75	3.83	1370	67	1.58	6	0.75	2.2	2.4	0.00124	58	8.1
IE1-MS 80 2-4	0.75	1	5.19	1380	72	1.93	6	0.78	2.2	2.4	0.00167	58	9.1
• MS 80 3-4	1.1	1.5	7.56	1390	76.2	2.67	6	0.78	2.2	2.4	0.00185	60	11.0
IE1-MS 90 S-4	1.1	1.5	7.50	1400	76.2	2.64	6	0.79	2.2	2.4	0.00168	61	11.7
IE1-MS 90 L1-4	1.5	2	10.23	1400	78.5	3.45	6	0.80	2.2	2.4	0.00217	61	14.4
• MS 90 L2-4	2.2	3	15.01	1400	81	4.9	7	0.80	2.2	2.4	0.00262	63	17.6
IE1-MS 100 L1-4	2.2	3	14.80	1420	81	4.84	7	0.81	2.2	2.3	0.00335	64	19.2
IE1-MS 100 L2-4	3	4	20.18	1420	82.6	6.47	7	0.81	2.2	2.3	0.00463	64	22.5
• MS 100 L3-4	4	5.5	26.71	1430	84.2	8.36	7	0.82	2.2	2.3	0.00508	65	27.3
IE1-MS 112 M-4	4	5.5	26.71	1430	84.2	8.26	7	0.83	2.2	2.2	0.00866	65	29.0
• MS 112 L-4	5.5	7.5	36.48	1440	85.7	11.2	7	0.83	2.2	2.2	0.00955	68	35.7
IE1-MS 132 S-4	5.5	7.5	36.22	1450	85.7	11	7	0.84	2.2	2.2	0.01803	71	39.0
IE1-MS 132 M-4	7.5	10	49.40	1450	87	14.6	7	0.85	2.2	2.2	0.02218	71	48.6
• MS 132 L1-4	9.2	12.5	60.18	1460	87.5	17.9	7.5	0.85	2.2	2.2	0.02436	74	56.5
• MS 132 L2-4	11	15	71.95	1460	88.4	20.9	7.5	0.86	2.2	2.2	0.02672	74	64
IE1-MS 160 M-4	11	15	71.95	1460	88.4	20.6	7	0.87	2.2	2.2	0.04575	75	73.0
IE1-MS 160 L-4	15	20	98.12	1460	88.4	28.2	7.5	0.87	2.2	2.2	0.05968	75	88.5
IE1-EG 160 M-4	11	15	72	1460	88.4	22.5	7	0.84	2.2	2.3	0.0747	80	118
IE1-EG 160 L-4	15	20	98.1	1460	89.4	30	7.5	0.85	2.2	2.3	0.0918	79	138
IE1-EG 180 M-4	18.5	25	120.2	1470	90	36.3	7.5	0.86	2.2	2.3	0.1390	80	182
IE1-EG 180 L-4	22	30	142.9	1470	90.5	43	7.5	0.86	2.2	2.3	0.1580	80	190
IE1-EG 200 L-4	30	40	194.9	1470	91.4	58	7.2	0.86	2.2	2.3	0.2620	83	243
IE1-EG 225 S-4	37	50	239	1480	92	70.2	7.2	0.87	2.2	2.3	0.4060	85	284
IE1-EG 225 M-4	45	60	290	1480	92.5	85	7.2	0.87	2.2	2.3	0.4690	84	320
IE1-EG 250 M-4	55	75	355	1480	93	103	7.2	0.87	2.2	2.3	0.6600	86	452
IE1-EG 280 S-4	75	100	484	1480	93.6	140	7.2	0.87	2.2	2.3	1.1200	89	562
IE1-EG 280 M-4	90	125	577	1490	93.9	167	7.2	0.87	2.2	2.3	1.4600	89	667
IE1-EG 315 S-4	110	150	705	1490	94.5	201	6.9	0.88	2.1	2.2	3.1100	96	1000
IE1-EG 315 M-4	132	180	846	1490	94.8	240	6.9	0.88	2.1	2.2	3.6200	96	1100
IE1-EG 315 L1-4	160	220	1026	1490	94.9	288	6.9	0.89	2.1	2.2	4.1300	100	1160
IE1-EG 315 L2-4	200	270	1282	1490	94.9	360	6.9	0.89	2.1	2.2	4.9400	100	1270
IE1-EG 355 M-4	250	340	1608	1485	95.2	443	6.9	0.90	2.1	2.2	5.6700	104	1700
IE1-EG 355 L2-4	315	430	2026	1485	95.2	559	6.9	0.90	2.1	2.2	6.6600	104	1850

• Reduced frame size.

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