MS SERIES

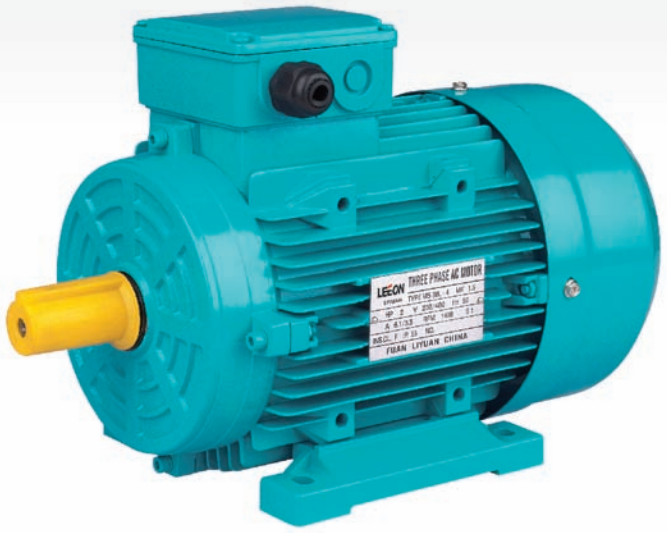
LEEON
ELECTRICAL MACHINERY

THREE-PHASE ASYNCHRONOUS INDUCTION MOTOR WITH ALUMINIUM HOUSING

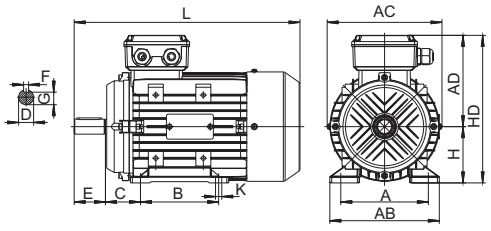
MS series aluminium housing three-phase asynchronous motors, with latest design in entirety, are made of selected quality materials and conform to IEC standard.
Ms motors have good performance, safety and reliable operation, nice appearance, and can be maintained very conveniently, while with low noises, little vibration and at the same time light weight and simple construction. These motors can be used for general drive.

Operating Conditions

Ambient temperature:	-15℃< θ <40℃
Altitude:	Not exceeding 1000meters
Rated voltage:	380V
Rated frequency:	50Hz/60Hz
Duty/Rating:	Continuous (S1)
Insulation class:	Class B/F
Protection class:	Ip54,IP55
Cooling method:	ICO141



B3



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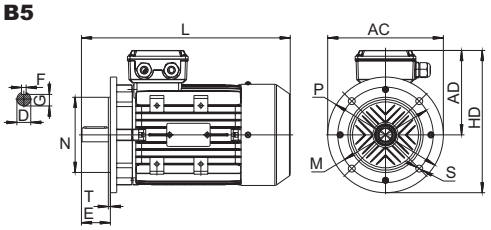

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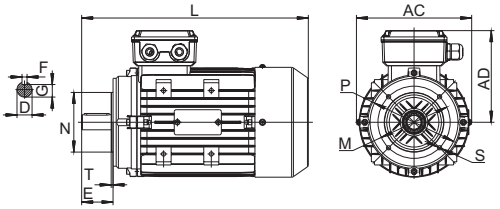

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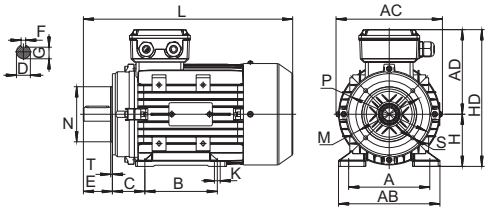

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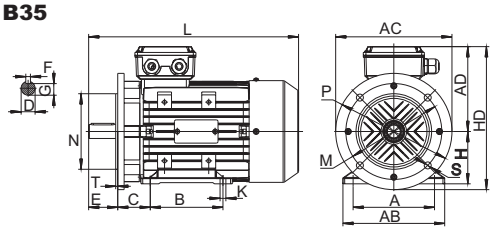

OVERALL & INSTALLATION DIMENSIONS

Frame No.	Installation Size									Installation Size IMB14					Installation Size IMB5					Overall Dimension				
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	M	N	P	S	T	AB	AC	AD	HD	L
56	90	71	36	9	20	3	7.2	56	6	65	50	80	M5	2.5	100	80	120	8.5	3	112	108	93	149	192
63	100	80	40	11	23	4	8.5	63	7	75	60	90	M5	2.5	115	95	140	10	3	120	120	97	160	211
71	112	90	45	14	30	5	11	71	7	85	70	105	M6	2.5	130	110	160	10	3.5	135	140	104	175	240
80	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3	165	130	200	12	3.5	155	160	113	193	284
90S	140	100	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	175	175	123	213	316
90L	140	125	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	175	175	123	213	341
100L	160	140	63	28	60	8	24	100	12	130	110	160	M8	3.5	215	180	250	15	4	200	195	157	257	377
112M	190	140	70	28	60	8	24	112	12	130	110	160	M8	3.5	215	180	250	15	4	226	220	163	275	392
132S	216	140	89	38	80	10	33	132	12	165	130	200	M10	4.0	265	230	300	15	4	265	265	183	315	463
132M	216	178	89	38	80	10	33	132	12	165	130	200	M10	4.0	265	230	300	15	4	265	265	183	315	501
160M	254	210	108	42	110	12	37	160	15	215	180	250	M12	4.0	300	250	350	19	5	310	320	223	383	606
160L	254	254	108	42	110	12	37	160	15	215	180	250	M12	4.0	300	250	350	19	5	310	320	223	383	650

TECHNICAL DATA

TYPE	Power KW	Power HP	Current (A)	Full load Speed (r/min)	Full load Eff (%)	Full load Power Factor	75% load Eff (%)	75% load Power Factor	50% load Eff (%)	50% load Power Factor	Tstart/Tn	Ist/In	Tmax/Tn
380V 50Hz Synchronous Speed 3000 r/min (2 Poles)													
MS561-2	0.09	0.12	0.30	2700	58.0	0.78	56.2	0.77	54.0	0.74	2.2	5.5	2.2
MS562-2	0.12	0.18	0.38	2700	60.0	0.79	58.5	0.78	56.0	0.75	2.2	5.5	2.2
MS631-2	0.18	0.25	0.53	2720	63.0	0.80	62.0	0.80	60.5	0.76	2.2	5.5	2.2
MS632-2	0.25	0.33	0.69	2720	65.0	0.81	64.0	0.80	62.5	0.77	2.2	5.5	2.2
MS711-2	0.37	0.50	0.99	2740	66.0	0.81	65.0	0.80	63.5	0.78	2.2	6.1	2.2
MS712-2	0.55	0.75	1.40	2740	71.0	0.82	70.0	0.82	68.5	0.79	2.2	6.1	2.3
MS801-2	0.75	1	1.83	2830	73.0	0.83	72.0	0.83	70.5	0.80	2.2	6.1	2.3
MS802-2	1.1	1.5	2.58	2830	76.2	0.84	75.1	0.83	73.0	0.80	2.2	7.0	2.3
MS90S-2	1.5	2	3.43	2840	78.5	0.84	77.0	0.85	70.0	0.81	2.2	7.0	2.3
MS90L-2	2.2	3	4.85	2840	81.0	0.85	80.0	0.85	78.0	0.84	2.2	7.0	2.3
MS100L-2	3	4	6.31	2870	82.6	0.87	81.0	0.86	79.3	0.86	2.2	7.5	2.3
MS112M-2	4	5.5	8.12	2890	84.2	0.88	83.5	0.87	81.0	0.84	2.2	7.5	2.3
MS132S1-2	5.5	7.5	11.0	2900	85.7	0.88	84.3	0.89	83.0	0.84	2.2	7.5	2.3
MS132S2-2	7.5	10	14.9	2900	87.0	0.88	85.9	0.87	83.7	0.84	2.2	7.5	2.3
MS160M1-2	11	15	21.3	2930	88.4	0.89	86.8	0.89	84.1	0.84	2.2	7.5	2.3
MS160M2-2	15	20	28.8	2930	89.4	0.89	88.0	0.89	86.4	0.85	2.2	7.5	2.3
MS160L-2	18.5	25	34.7	2930	90.0	0.90	89.0	0.88	86.8	0.86	2.2	7.5	2.3
380V 50Hz Synchronous Speed 1500 r/min (4 Poles)													
MS561-4	0.06	0.08	0.27	1300	53.0	0.70	51.8	0.65	50.0	0.53	2.1	5.2	2.2
MS562-4	0.09	0.12	0.36	1300	55.0	0.71	53.8	0.67	52.0	0.55	2.1	5.2	2.2
MS631-4	0.12	0.18	0.44	1310	57.0	0.72	56.1	0.69	53.9	0.57	2.1	5.2	2.2
MS632-4	0.18	0.25	0.62	1310	60.0	0.73	58.5	0.70	56.7	0.59	2.1	5.2	2.2
MS711-4	0.25	0.33	0.79	1330	65.0	0.74	62.4	0.73	59.3	0.59	2.1	5.2	2.2
MS712-4	0.37	0.50	1.12	1330	67.0	0.75	65.3	0.74	60.8	0.63	2.1	5.2	2.2
MS801-4	0.55	0.75	1.57	1390	71.0	0.75	69.2	0.74	67.2	0.64	2.4	5.2	2.3
MS802-4	0.75	1.0	2.05	1390	73.0	0.76	71.7	0.75	69.8	0.67	2.3	6.0	2.3
MS90S-4	1.1	1.5	2.89	1400	76.2	0.77	73.1	0.75	70.8	0.67	2.3	6.0	2.3
MS90L-4	1.5	2	3.70	1400	78.5	0.79	76.1	0.76	73.7	0.69	2.3	6.0	2.3
MS100L1-4	2.2	3	5.16	1430	81.0	0.81	78.0	0.79	75.5	0.69	2.3	7.0	2.3
MS100L2-4	3	4	6.78	1430	82.6	0.82	79.9	0.78	77.5	0.70	2.3	7.0	2.3
MS112M-4	4	5.5	8.82	1440	84.2	0.82	81.9	0.79	79.6	0.70	2.3	7.0	2.3
MS132S-4	5.5	7.5	11.8	1440	85.7	0.83	82.8	0.81	80.4	0.73	2.3	7.0	2.3
MS132M-4	7.5	10	15.6	1440	87.0	0.84	84.8	0.82	82.6	0.74	2.3	7.0	2.3
MS160M-4	11	15	22.3	1460	88.4	0.84	85.8	0.83	83.8	0.75	2.2	7.0	2.3
MS160L-4	15	20	30.1	1460	89.4	0.85	90.0	0.83	88.5	0.75	2.2	7.5	2.3
380V 50Hz Synchronous Speed 1000 r/min (6 Poles)													
MS711-6	0.18	0.25	0.74	850	56.0	0.66	54.6	0.66	53.0	0.65	1.9	4.0	2.0
MS712-6	0.25	0.33	0.95	850	59.0	0.68	57.5	0.68	56.1	0.62	1.9	4.0	2.0
MS801-6	0.37	0.50	1.30	890	62.0	0.70	60.5	0.69	59.1	0.64	1.9	4.7	2.0
MS802-6	0.55	0.75	1.79	890	65.0	0.72	63.3	0.71	60.1	0.64	1.9	4.7	2.1
MS90S-6	0.75	1	2.29	910	69.0	0.72	67.3	0.72	66.3	0.65	2.0	5.5	2.1
MS90L-6	1.1	1.5	3.18	910	72.0	0.73	70.2	0.72	68.0	0.66	2.0	5.5	2.1
MS100L-6	1.5	2	3.95	940	76.0	0.76	74.0	0.75	71.0	0.68	2.0	5.5	2.1
MS112M-6	2.2	3	5.57	940	79.0	0.76	77.1	0.77	75.1	0.69	2.0	6.5	2.1
MS132S-6	3	4	7.40	960	81.0	0.76	78.9	0.77	76.1	0.69	2.1	6.5	2.1
MS132M1-6	4	5.5	9.75	960	82.0	0.76	80.0	0.76	77.5	0.70	2.1	6.5	2.1
MS132M2-6	5.5	7.5	12.9	960	84.0	0.77	82.1	0.77	79.4	0.70	2.1	6.5	2.1
MS160M-6	7.5	10	17.0	970	86.0	0.77	83.4	0.77	82.4	0.70	2.0	6.5	2.1
MS160L-6	11	15	24.2	970	87.5	0.78	86.6	0.78	84.8	072	2.0	6.5	2.1
380V 50Hz Synchronous Speed 750 r/min (8 Poles)													
MS801-8	0.18	0.25	0.88	630	51.0	0.61	47.9	0.52	44.6	0.54	1.8	4.0	1.9
MS802-8	0.25	0.33	1.15	640	54.0	0.61	48.9	0.54	45.3	0.55	1.8	4.0	1.9
MS90S-8	0.37	0.50	1.49	660	62.0	0.61	55.6	0.57	50.7	0.56	1.8	4.0	1.9
MS90L-8	0.55	0.75	2.18	660	63.0	0.61	55.9	0.58	50.9	0.59	1.8	4.0	2.0
MS100L1-8	0.75	1	2.53	690	71.0	0.67	60.9	0.65	59.7	0.56	1.8	4.0	2.0
MS100L2-8	1.1	1.5	3.32	690	73.0	0.69	72.0	0.61	59.8	0.57	1.8	5.0	2.0
MS112M-8	1.5	2	4.50	680	75.0	0.69	74.2	0.64	59.8	0.58	1.8	5.0	2.0
MS132S-8	2.2	3	6.00	710	78.0	0.71	77.2	0.61	60.1	0.58	1.8	6.0	2.0
MS132M-8	3.0	4	7.90	710	79.0	0.73	78.2	0.62	60.0	0.59	1.8	6.0	2.0
MS160M1-8	4.0	5.5	10.3	720	81.0	0.73	80.2	0.63	61.0	0.58	1.9	6.0	2.0
MS160M2-8	5.5	7.5	13.6	720	83.0	0.74	81.2	0.61	62.0	0.59	2.0	6.0	2.0
MS160L-8	7.5	10	17.8	720	85.5	0.75	84.5	0.63	65.9	0.59	2.0	6.0	2.0