



Assembled with NSK Bearings

NSK
JAPAN

ML SERIES

Single-phase Asynchronous Motor
With Aluminium Housing

単相インダクション モーター

ML series aluminium housing single-phase dual-capacitor asynchronous motors, with latest design in entirety, are made of selected quality materials and conformed to IEC standard.

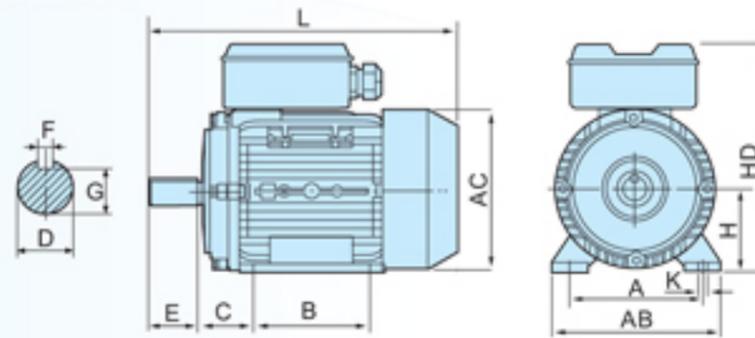
ML motors have good performance, safety and reliable operation, nice appearance, and can be maintained very conveniently, while with low noise, little vibration and at the same time light weight and simple construction. The competitive performance is good, the multiple of starting torque is 1.8-2.5.

These series motors are suitable for the occasion requiring big starting torque and high over load, such as air-compressors, pumps, fans, medical apparatus and instruments, and many other small machines.

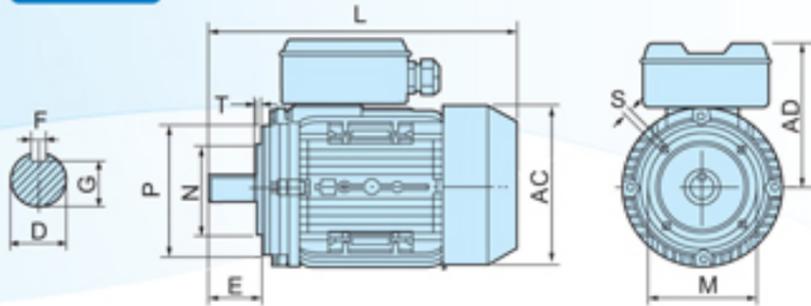
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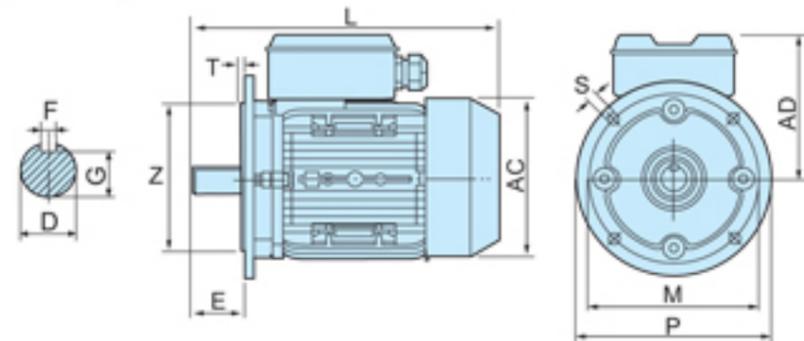
IMB3



IMB14



IMB5



ML SERIES MOTOR OVERALL & INSTALLATION DIMENSIONS

Frame Size	Installation Size (mm)									Installation Size (mm) IMB14					Installation Size (mm) IMB5					Overall Dimension (mm)						
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	210	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	135	240	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	270	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	270	360
100L	160	140	63	28	60	8	24	100	12	-	-	-	-	-	-	215	180	250	0	15	4.0	205	215	170	280	380
112M	190	140	70	28	60	8	24	112	12	-	-	-	-	-	-	215	180	250	0	15	4.0	245	240	180	310	400
132S	216	140	89	38	80	10	33	132	12	-	-	-	-	-	-	265	230	300	0	15	4.0	280	275	195	325	475
132M	216	178	89	38	80	10	33	132	12	-	-	-	-	-	-	265	230	300	0	15	4.0	280	275	195	325	515

ML SERIES MOTOR TECHNICAL DATA

Model	Output kW	Voltage (V)	Current (A)	Speed (r.p.m)	Eff (%)	Power factor	Tstart/Tn (Time)	Tmax/Tn (Time)	Starting A. (A)
ML7112	0.37	220	2.73	2800	67	0.92	2.3	1.8	16
ML7122	0.55	220	3.88	2800	70	0.92	2.5	1.8	21
ML8012	0.75	220	5.15	2800	72	0.92	2.5	1.8	30
ML8022	1.10	220	7.02	2800	75	0.95	2.5	1.8	40
ML90S-2	1.50	220	9.44	2800	76	0.95	2.5	1.8	55
ML90L-2	2.20	220	13.67	2800	77	0.95	2.5	1.8	80
ML100L-2	3.00	220	18.2	2800	79	0.95	2.5	1.8	110
ML7114	0.25	220	1.99	2800	62	0.92	2.5	1.8	12
ML7124	0.37	220	2.81	1400	65	0.92	2.5	1.8	16
ML8014	0.55	220	4.0	1400	68	0.92	2.5	1.8	21
ML8024	0.75	220	5.22	1400	71	0.92	2.5	1.8	30
ML90S-4	1.10	220	7.2	1400	73	0.95	2.5	1.8	40
ML90L-4	1.50	220	9.57	1400	75	0.95	2.5	1.8	55
ML100L1-4	2.20	220	13.9	1400	76	0.95	2.5	1.8	80
ML100L2-4	3.00	220	18.6	1400	77	0.95	2.5	1.8	110
ML112M1-4	2.20	220	13.5	1450	78	0.95	2.2	1.8	81
ML112M2-4	3.00	220	18.2	1450	79	0.95	2.2	1.8	90.5
ML132S1-4	3.00	220	17.7	1460	81	0.95	2.1	1.8	94
ML132S2-4	3.70	220	21.9	1460	81	0.95	2.1	1.8	120
ML132M1-2	5.50	220	31.7	1460	83	0.95	2.1	1.8	175
ML132M2-4	7.50	220	43.2	1460	83	0.95	2.1	1.8	238

** All bearing use NSK Bearings Japan
** IIOV Voltage are available upon request