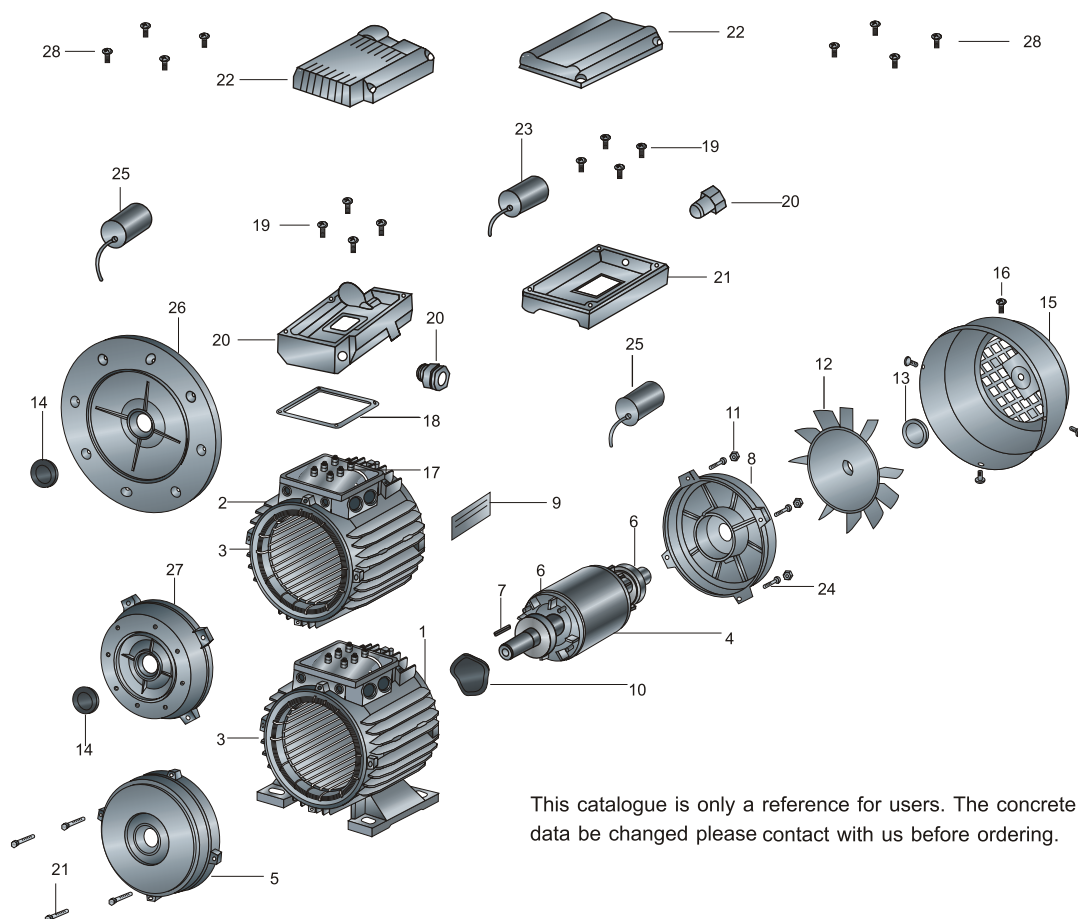




NON-STOP
ROTATION



Motor spare part list/drawing



This catalogue is only a reference for users. The concrete data be changed please contact with us before ordering.

1. Frame B3
2. Frame B5
3. Wound Stator
4. Rotor with shaft
5. Front shield
6. Bearings
7. Key
8. Back shield
9. Name plate
10. Compensation ring
11. Bolts and nuts
12. Cooling fan
13. Fan clamping bushing
14. Rubber seal ring
15. Fan cover
16. Self-threading screws
for fan cover fixing
17. Terminal board complete
with components
18. Terminal seal IP55
19. Screws for terminal box
fixing IP56
20. Cable press
21. Terminal box IP65(base)
22. Terminal box IP65(cover)
23. Run capacitor
24. Mounting studs screws
25. Start capacitor
26. Flange B5
27. Flange B14
28. Screws for terminal
box fixing Ip55

Mountings and positions

Mountings and positions for standard motors, according to IEC 60034-7, are defined by the codes mentioned in the following table.

	STANDARDS			FRAME SIZES
	CEI 2-14	IEC 60034-7		56-132
		Code I	Code II	
	B3	IM B3	IM 1001	Standard
	B3/B5	IM B35	IM 2001	Standard
	B5	IM B5	IM 3001	Standard
	B14	IM B14	IM 4001	Standard
	B8	IM B8	IM 1071	Upon reques
	B6	IM B6	IM 1051	Upon request
	B7	IM B7	IM 1061	Upon requestt

	STANDARDS			FRAME SIZES
	CEI 2-14	IEC 60034-7		56-132
		Code I	Code II	
	V1	IM V1	IM 3011	Standard
	V3	IM V3	IM 3031	Upon request
	V5	IM V5	IM 1011	Upon request
	V6	IM V6	IM 1031	Upon request
	V1/V5	IM V15	IM 2011	Upon request

Aluminum Housing Electric Motors Bearings& oilseals

Frame	Bearings		Oilseals		☆Thread of Cable Gland
	Drive end	Non-drive end	Drive end	Non-drive end	
56	6201	6201	12x22x5	12x22x5	M16
63	6201	6201	12x24x7	12x24x7	M16
71	6202	6202	15x25x7	15x25x7	M20
80	6204	6204	20x34x7	20x34x7	M20
90S	6205	6205(6204)☆☆	25x37x7	25x37x7(20x34x7)☆☆	M25
90L	6205	6205(6204)☆☆	25x37x7	25x37x7(20x34x7)☆☆	M25
100L	6206	6206	30x42x7	30x42x7	M25
112M	6306	6206	30x42x7	30x42x7	M25
132S	6308	6208	40x58x8	40x58x8	M32
132M	6308	6208	40x58x8	40x58x8	M32
160M	6309	6309	45x65x8	45x65x8	M32
160L	6309	6309	45x65x8	45x65x8	M32

☆ Other standard is also available as per request.

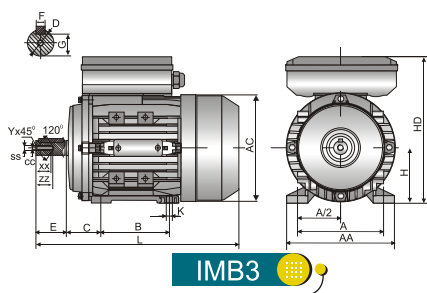
☆☆ The figures in bracket “ () ” is for the MC/ML single phase motors.

ML

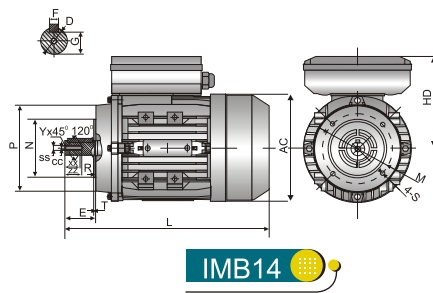
ALUMINUM HOUSING

ML series aluminum housing single-phase dual-capacitor asynchronous motors, with latest design in entirety, are made of selected quality materials and conform to the IEC standard. **ML** 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 of lightweight and simple construction. The composite performance is good, the multiple of starting torque is 1.8~2.5.

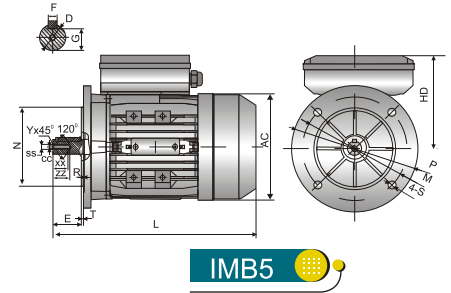
These series motors are suitable for the occasion where the requirements of big starting torque and high over load, such as air-compressors, pumps, fans, medical apparatus and instruments, and many other small machines.



IMB3



IMB14



IMB5

Overall & Installation Dimensions

Frame Size	MOUNTING DIMENSIONS																				OVERALL DIMENSIONS					SHAFT END SCREW DIMENSIONS					
	IMB14															IMB5															
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AA	AC	AD	HD	L	SS	XX	ZZ	CC	Y
63	100	80	40	11	23	4	8.5	63	7X10	75	60	90	0	M5	2.5	115	95	140	0	φ 10	3.0	120	130	179	116	212	M4	10	15	3.3	0.8
71	112	90	45	14	30	5	11	71	7X10	85	70	105	0	M6	2.5	130	110	160	0	φ 10	3.5	132	145	194	123	255	M5	12	18	4.2	0.8
80	125	100	50	19	40	6	15.5	80	10X13	100	80	120	0	M6	3.0	165	130	200	0	φ 12	3.5	157	165	223	143	290	M6	16	22	5	1
90S	140	100	56	24	50	8	20	90	10X13	115	95	140	0	M8	3.0	165	130	200	0	φ 12	3.5	172	185	240	150	335	M8	20	25	6.8	1
90L	140	125	56	24	50	8	20	90	10X13	115	95	140	0	M8	3.0	165	130	200	0	φ 12	3.5	172	185	240	150	365	M8	20	25	6.8	1
100L	160	140	63	28	60	8	24	100	12X15	130	110	160	0	M8	3.5	215	180	250	0	φ 15	4.0	196	205	260	160	445	M10	22	28	8.5	1.5
112M	190	140	70	28	60	8	24	112	12X15	130	110	160	0	M8	3.5	215	180	250	0	φ 15	4.0	222	230	295	183	453	M10	22	28	8.5	1.5

TECHNICAL DATA @230V

Model	Power (kW)	Current (A)	Speed (r/min)	Eff. (%)	Power Factor	Rated Torque (N.M)	Tstart/Tn (Times)	Tmax/Tn (Times)	Starting Current (A)	Run Capacitor (μ f/V)	Start Capacitor (μ f/V)	Noise dB(A)	W.t. (Kg)
ML631-2	0.18	1.31	2750	65	0.92	0.63	2.5	1.7	8	8 μ F/450V	40 μ F/250V	70	4.2
ML632-2	0.25	1.76	2760	67	0.92	0.87	2.5	1.7	10	10 μ F/450V	50 μ F/250V	73	4.7
ML711-2	0.37	2.42	2780	70	0.95	1.27	2.5	1.7	15	12 μ F/450V	75 μ F/250V	75	5.3
ML712-2	0.55	3.45	2790	73	0.95	1.88	2.5	1.7	20	16 μ F/450V	100 μ F/250V	76	7.4
ML801-2	0.75	4.54	2800	74	0.97	2.59	2.5	1.7	30	20 μ F/450V	100 μ F/250V	76	9.5
ML802-2	1.1	6.45	2810	76	0.97	3.74	2.5	1.7	40	25 μ F/450V	150 μ F/250V	79	11.2
ML90S-2	1.5	8.62	2810	78	0.97	5.10	2.5	1.8	55	40 μ F/450V	150 μ F/250V	84	14
ML90L-2	2.2	12.5	2810	79	0.97	7.48	2.2	1.8	75	50 μ F/450V	250 μ F/250V	84	17
ML100L-2	3.0	16.6	2830	80	0.98	10.12	2.2	2.0	95	60 μ F/450V	400 μ F/300V	88	25
ML112M-2	3.7	20.5	2850	80	0.98	12.40	2.0	2.0	120	60 μ F/450V	500 μ F/300V	90	30.5
ML631-4	0.12	1.04	1350	55	0.91	0.85	2.5	1.6	6	10 μ F/450V	40 μ F/250V	64	4
ML632-4	0.18	1.54	1360	56	0.91	1.26	2.5	1.6	8.5	12 μ F/450V	40 μ F/250V	64	4.8
ML711-4	0.25	1.94	1380	61	0.92	1.73	2.5	1.6	10	14 μ F/450V	50 μ F/250V	66	5.9
ML712-4	0.37	2.80	1380	62.5	0.92	2.56	2.5	1.5	15	16 μ F/450V	75 μ F/250V	68	6.9
ML801-4	0.55	3.80	1400	67	0.94	3.75	2.5	1.7	20	20 μ F/450V	100 μ F/250V	71	9.6
ML802-4	0.75	4.75	1410	73	0.94	5.08	2.5	1.7	30	25 μ F/450V	150 μ F/250V	71	10.8
ML90S-4	1.1	6.76	1410	74.5	0.95	7.45	2.2	1.8	40	30 μ F/450V	150 μ F/250V	74	13.5
ML90L-4	1.5	9.03	1420	76	0.95	10.09	2.2	1.8	55	40 μ F/450V	200 μ F/250V	79	16.5
ML100L1-4	2.2	12.6	1430	78	0.97	14.69	2.2	1.8	75	50 μ F/450V	300 μ F/250V	79	24
ML100L2-4	3	17.0	1440	79	0.97	19.90	2.2	1.8	95	60 μ F/450V	400 μ F/250V	83	30
ML112M-4	3.7	20.7	1440	80	0.97	24.54	2.0	2.0	120	60 μ F/450V	500 μ F/250V	86	36