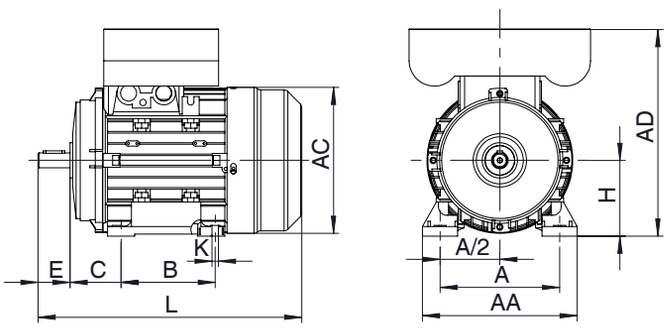
ML Series

Single-Phase Capacitor Start and Capacitor Run Asynchronous Motors Aluminum Housing

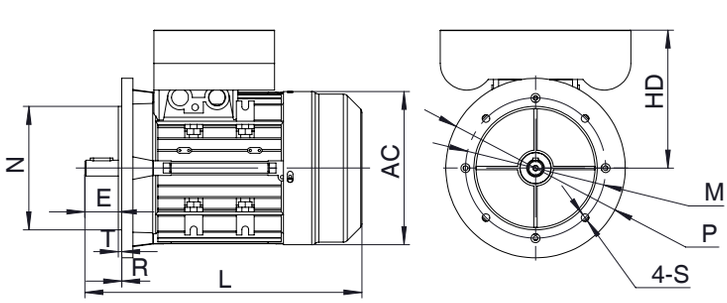
The ML series single-phase dual-capacitor asynchronous motors with aluminum housing are designed with the latest technology, made from high-quality materials, and fully comply with IEC standards.

They offer excellent performance, safety, and reliability, with a starting torque of up to 2.5 times the rated torque. Endbells, shafts, and removable feet are customizable to meet various application requirements. These motors are ideal for applications requiring high starting torque and heavy load conditions, such as air compressors, pumps, and other small machinery.

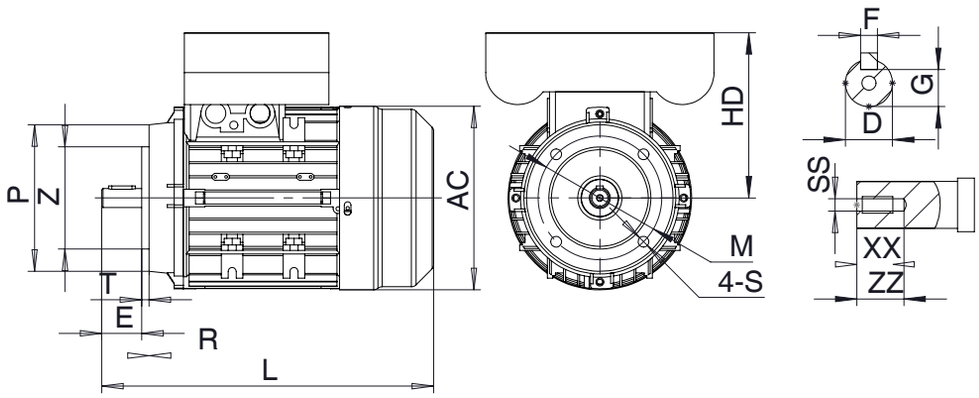




IM B3



IM B5



IM B14

1.Overall and Installation Dimensions

Frame	Mounting Dimensions									Overall Dimensions				Shaft End Screw Dimensions			
	H	A	B	C	D	E	F	G	K	AA	AD	HD	AC	L	SS	XX	ZZ
ML 63	63	100	80	40	φ11	23	4	8.5	7×10	120	179	116	φ121	217	M4	10	14
ML 71	71	112	90	45	φ14	30	5	11	7×10	132	194	123	φ139	255	M5	12	17
ML 80	80	125	100	50	φ19	40	6	15.5	10×13	160	223	143	φ156	290	M6	16	21
ML 90S	90	140	100	56	φ24	50	8	20	10×13	175	240	150	φ174	335	M8	19	25
ML 90L	90	140	125	56	φ24	50	8	20	10×13	175	240	150	φ174	365	M8	19	25

FRAME	KK	B5						B14					
		N	M	P	S	T	R	N	M	P	S	T	R
ML 63	1-M20*1.5	φ95	φ115	φ140	φ10	3	0	φ60	φ75	φ90	M5	2.5	0
ML 71	1-M20*1.5	φ110	φ130	φ160	φ10	3.5	0	φ70	φ85	φ105	M6	2.5	0
ML 80	1-M20*1.5	φ130	φ165	φ200	φ12	3.5	0	φ80	φ100	φ120	M6	3	0
ML 90	1-M20*1.5	φ130	φ165	φ200	φ12	3.5	0	φ95	φ115	φ140	M8	3	0

2.Technical Data

At 50Hz

MODEL	Power (kW)	Power (HP)	Current (A)	Speed (r/min)	Eff (%)	Power Factor(cosφ)	Tst/Tn	Tmax/Tn	Starting Current(A)	Run Capacitor(μf/V)	Star Capacitor(μf/V)	W.T (kg)	Inertia (kg*m2)
ML631-2	0.18	0.25	1.36	2820	62	0.93	1.8	7	7	8μf/450V	30μf/250V	3.9	0.00015
ML632-2	0.25	0.33	1.71	2800	67.5	0.94	2.3	1.8	8	10μf/450V	30μf/250V	4.4	0.00017
ML711-2	0.37	0.5	2.40	2780	70.5	0.95	2.5	1.6	12	12μf/450V	40μf/250V	6.2	0.00035
ML712-2	0.55	0.75	3.31	2790	74.5	0.97	2.5	1.8	20	16μf/450V	50μf/250V	7	0.00044
ML801-2	0.75	1	4.25	2840	77.5	0.99	2.5	1.8	30	20μf/450V	75μf/250V	9	0.0008
ML802-2	1.1	1.5	6.08	2850	79.5	0.99	2.5	1.8	40	30μf/450V	120μf/250V	10.3	0.00094
ML90S-2	1.5	2	8.23	2860	80	0.99	2.5	1.8	56	40μf/450V	200μf/250V	13.5	0.0015
ML90L-2	2.2	3	11.9	2850	81	0.99	2.5	1.75	65	50μf/450V	250μf/250V	16.9	0.002

(Other options: 230V/460V@60Hz)

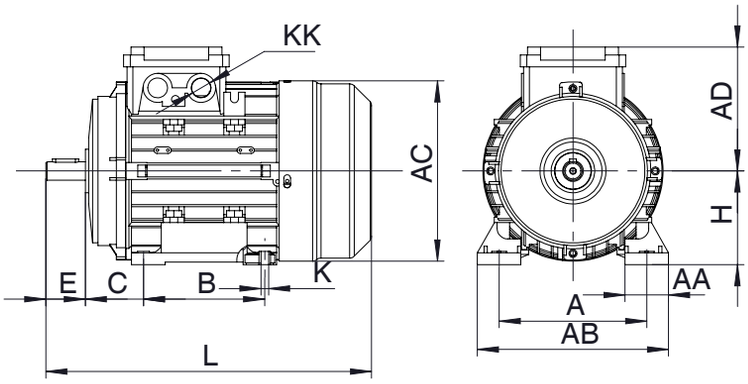
MS Series

Three-Phase Capacitor Start and Capacitor Run Asynchronous Motors Aluminum Housing

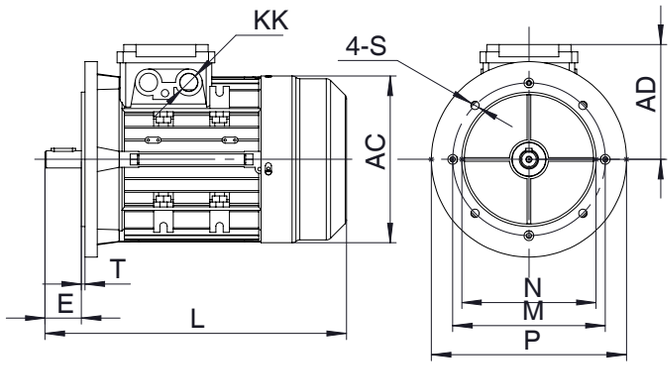
The MS series three-phase asynchronous motors with aluminum housing are designed with the latest technology, made from high-quality materials, and fully comply with IEC standards.

They feature excellent performance, safety, and reliability, with a compact and attractive appearance. These motors operate with low noise, minimal vibration, and lightweight yet robust construction, making them easy to maintain. The MS series motors are suitable for general-purpose drives and various industrial applications.

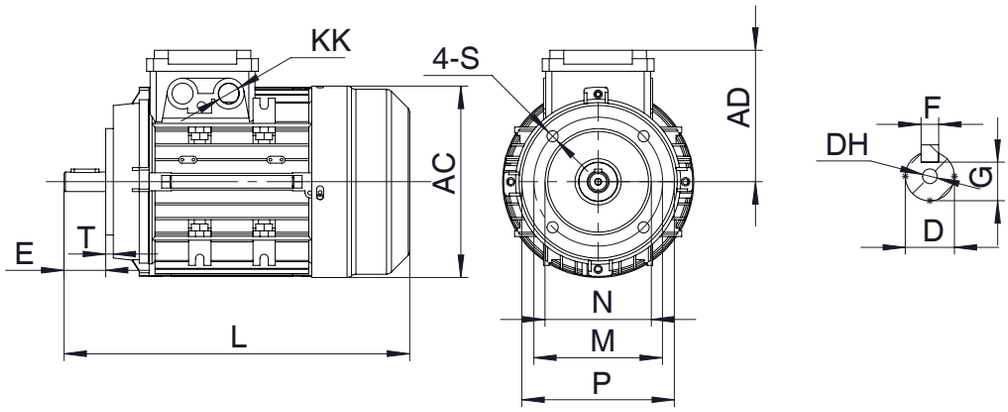




IM B3



IM B5



IM B14

1.Overall and Installation Dimensions

Frame	Mounting Dimensions									Overall Dimensions					
	H	A	B	C	D	E	F	G	K	AA	AB	AC	AD	DH	L
MS 63	63	100	80	40	φ11	23	4	8.5	7×10	26	122	122	99	M4×10	217
MS 71	71	112	90	45	φ14	30	5	11	7×10	26	136	138	109	M5×12	255
MS 80	80	125	100	50	φ19	40	6	15.5	10×13	30	154	157	112	M6×16	290
MS 90S	90	140	100	56	φ24	50	8	20	10×13	34	175	175	120	M8×19	335
MS 90L	90	140	125	56	φ24	50	8	20	10×13	34	175	175	120	M8×19	365
MS 100L	100	160	140	63	Φ28	60	8	24	12×13	39	196	196	139	M10×22	400

FRAME	KK	B5					B14				
		N	M	P	S	T	N	M	P	S	T
MS 63	1-M20*1.5	φ95	φ115	φ140	φ10	3	φ60	φ75	φ90	M5	2.5
MS 71	1-M20*1.5	φ110	φ130	φ160	φ10	3.5	φ70	φ85	φ105	M6	2.5
MS 80	1-M20*1.5	φ130	φ165	φ200	φ12	3.5	φ80	φ100	φ120	M6	3
MS 90	1-M20*1.5	φ130	φ165	φ200	φ12	3.5	φ95	φ115	φ140	M8	3
MS100	1-M20*1.5	φ180	φ215	φ180	φ15	4	φ110	φ130	φ160	M8	4

2.Technical Data

At 50Hz

MODEL	Power (kW)	Power (HP)	Current(A)			Speed (r/min)	Eff(%)			Power Factor (cosφ)	Tst/Tn	Tmax/Tn	Ist/In	W.T (kg)	Inertia (kg*m2)
			220V	380V	415V		100%	75%	50%						
MS631-2	0.18	0.25	0.96	0.55	0.51	2850	65.9	63.5	56.2	0.75	2	2.5	4.7	3.6	0.00024
MS632-2	0.25	0.33	1.21	0.70	0.64	2840	69.7	68.4	62.5	0.78	2.5	2.7	5.2	4.0	0.00026
MS711-2	0.37	0.5	1.74	1.00	0.92	2860	73.8	72.4	66.5	0.76	2.5	2.8	5.6	5.2	0.00037
MS712-2	0.55	0.75	2.33	1.34	1.23	2860	77.8	63.5	56.2	0.80	3.1	3.1	6.5	6.2	0.0005
MS801-2	0.75	1	3.02	1.74	1.60	2890	80.7	80.3	77.2	0.81	3.1	3.2	7.4	9	0.00097
MS802-2	1.1	1.5	4.22	2.43	2.23	2890	82.7	82.5	79.9	0.83	3.4	3.4	8.7	10.6	0.00126
MS90S-2	1.5	2	5.72	3.30	3.02	2900	84.2	83.8	81.4	0.82	3.5	3.7	8.3	14	0.00219
MS90L-2	2.2	3	8.22	4.75	4.35	2910	85.9	86.1	84.7	0.82	3.1	3.5	8.1	16.3	0.00264
MS100L1-2	3	4	10.2	5.88	5.38	2910	87.1	87.5	86.3	0.89	3.2	3.6	9.4	23.7	0.0049
MS100L2-2	4	5.36	13.3	7.66	7.02	2910	88.1	88.7	88.1	0.90	3.3	3.6	10.1	27.6	0.0059

(Other options: 230V/460V@60Hz)