

## Energy Efficient Single Phase Dual Capacitor Electric Motor

- Motors are developed with entirely latest design and are made of selected quality materials.  
Light weight and simple construction.
- Designed as per IEC 34-7, available in B3, B5, B14, B35 and B34 mountings.
- High efficiency with sturdy performance, high safety and reliable operation, nice appearance and can be maintained very conveniently.
- Dynamically balanced rotors for low noise and little vibration.
- These motors give high starting torque, cool and robust with high over load, suits to applications such as air-compressors, pumps, fans, medical apparatus and instruments, and many other machines.



### Ratings:

Power Range - 0.5 HP to 10 HP

Frame Size - IEC 71 to 132

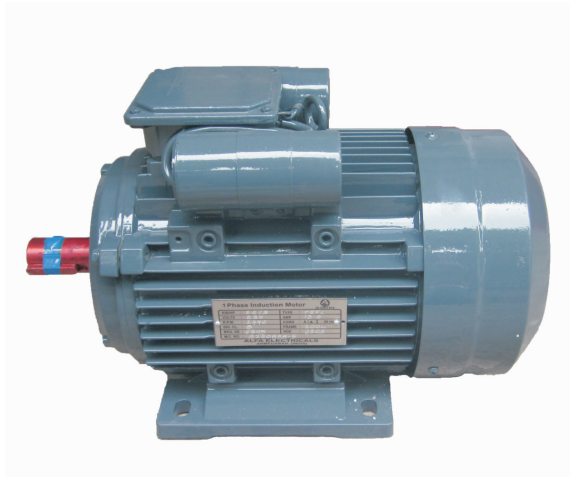
Voltage - 220V/50Hz

Protection Class - IP 55

Insulation Class - F Class

Operation Duty - S1 Continues

Cooling Type - IC 411(TEFC)



### Material specifications:

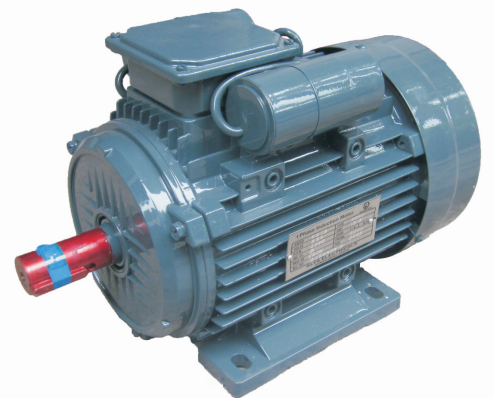
Motor Body - Cast Iron FG 200/ Aluminum Alloy

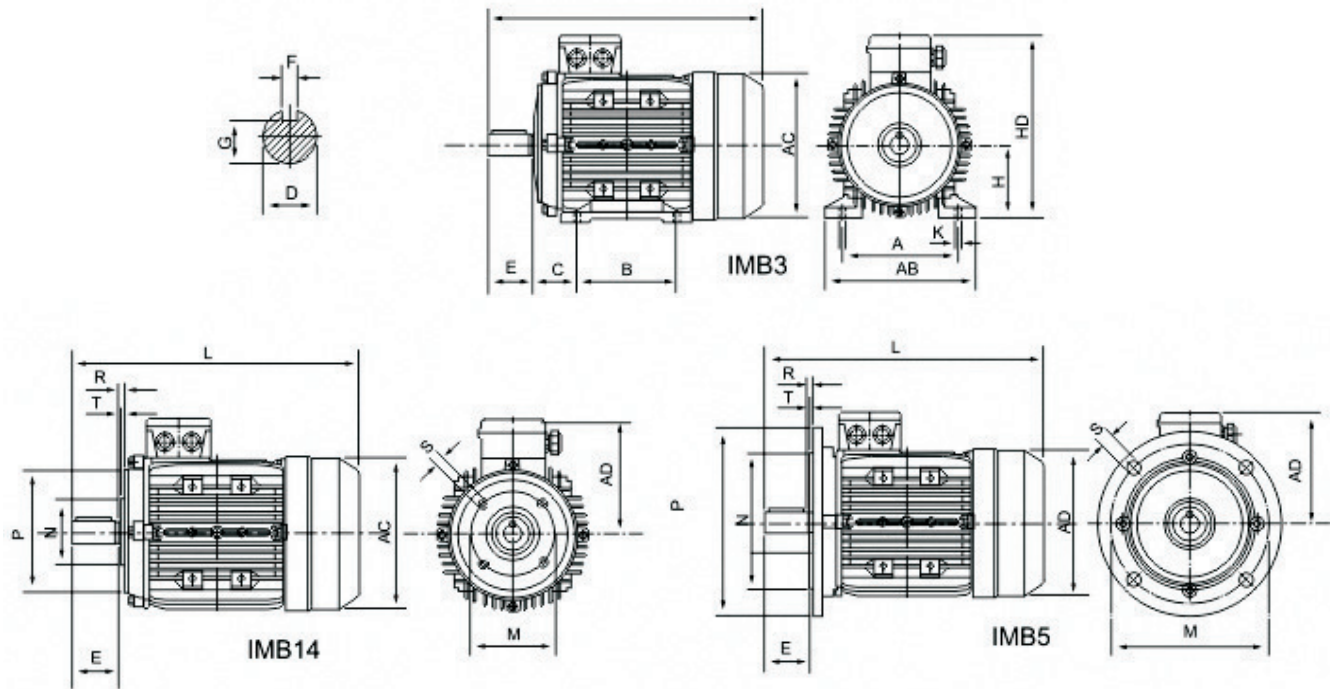
Stamping Laminations - EC Grade Silicon Steel

Rotor Shaft - EN 8/ Specified Grade by Customer

Winding Wire - Super Enameled Class 'F' EC Grade Copper

Ball Bearings - Reputed make ZZ ball bearings





Frame Size	Mounting Dimension (mm)															Overall Dimension (mm)				
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
63	100	80	40	11	23	4	8.5	63	∅7	115	95	140	0	10	3.0	130	130	125	165	230
71	112	90	45	14	30	5	11	71	∅7	130	110	160	0	10	3.5	145	145	140	180	255
80	125	100	50	19	40	6	15.5	80	∅10	165	130	200	0	12	3.5	160	165	150	200	295
90S	140	100	56	24	50	8	20	90	∅10	165	130	200	0	12	3.5	180	185	160	240	370
90L	140	125	56	24	50	8	20	90	∅10	165	130	200	0	12	3.5	180	185	160	240	400
100L	160	140	63	28	60	8	24	100	∅12	215	180	250	0	15	4.0	205	220	180	260	430
112M	190	140	70	28	60	8	27	112	∅12	215	180	250	0	15	4.0	245	250	190	300	455
132S	216	140	89	38	80	10	33	132	∅12	265	230	300	0	15	4.0	280	290	210	350	525
132M	216	178	89	38	80	10	33	132	∅12	265	230	300	0	15	4.0	280	290	210	350	560

TYPE (SP)	Rated Power	Speed (RPM)	Amps (A)	Voltage (V)	Effi.(%)	P.F. Cos∅	Starting Torque (Full Load)	Max. Torque (Full Load)	Locked Rotor Current	Noise LwDB (A)
711-2	0.37	2800	02.7	220	67	0.92	1.8	1.7	16	72
712-2	0.55	2800	03.9	220	70	0.92	1.8	1.7	21	72
801-2	0.75	2800	05.1	220	72	0.92	1.8	1.7	29	75
802-2	1.10	2800	07.0	220	75	0.92	1.8	1.7	40	75
90S-2	1.50	2800	09.4	220	76	0.95	1.7	1.7	55	78
90L-2	2.20	2800	13.7	220	77	0.95	1.7	1.7	80	78
100L-2	3.00	2800	18.2	220	79	0.95	1.7	1.7	110	83
112M-2	3.70	2800	22.1	220	80	0.95	1.7	1.7	130	78
132M-2	5.50	2800	32.5	220	81	0.95	1.7	1.7	190	83
711-4	0.25	1400	02.0	220	62	0.92	1.8	1.7	12	67
712-4	0.37	1400	02.8	220	65	0.92	1.8	1.7	16	67
801-4	0.55	1400	04.0	220	68	0.92	1.8	1.7	21	70
802-4	0.75	1400	05.2	220	71	0.92	1.8	1.7	26	70
90S-4	1.10	1400	07.3	220	73	0.95	1.7	1.7	40	73
90L-4	1.50	1400	09.6	220	75	0.95	1.7	1.7	55	73
100L1-4	2.20	1400	13.9	220	76	0.95	1.7	1.7	80	78
100L2-4	3.00	1400	18.6	220	77	0.95	1.7	1.7	110	78
112M-4	3.70	1400	22.4	220	79	0.95	1.7	1.7	130	78
132S-4	5.50	1400	32.9	220	80	0.95	1.7	1.7	190	83
132M-4	7.50	1400	43.2	220	83	0.95	1.7	1.7	190	83