

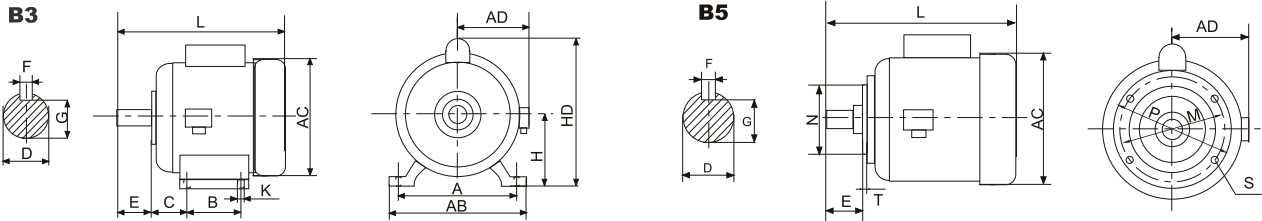
JY SERIES

SINGLE PHASE CAPACITOR START MOTOR

JY series single-phase capacitor start induction motor is widely used in air compressors. These motors are suitable for the situation that require the higher starting torque and the limited starting current, refrigerators, medical apparatus and other small machines which demand full-load starting torque and limited starting current. These series motors are of totally enclosed fan-cooled, and have three frame sizes, 09, 1, 2. The frames are made of cast iron or cast aluminium according to the requests.

Operating Conditions

- Ambient temperature:** $-15^{\circ}\text{C} < \theta < 40^{\circ}\text{C}$
- Above sea level:** not exceed 1000meters
- Rated voltage:** 220V
- Rated frequency:** 50Hz/60Hz
- Duty/Rating:** Continuous(S1)
- Insulation class:** Class B
- Protection class:** IP44
- Cooling method:** IC0141



TECHNICAL DATA

Frame No	TYPE	HP	KW	Voltage (V)	Speed (r/min)	Power Factor	Eff (%)	Max torque / Rated torque	Locked rotor torque / Rated torque
220V 50Hz Synchronous Speed 3000 r/min (2 Poles)									
2#	JY2A-2	1.5	1.1	220V	2850	0.77	71	1.8-2	2-3.5
	JY2B-2	1	0.75	220V	2850	0.75	70		
	JY2A-4	1	0.75	220V	1400	0.68	69		
	JY2B-4	0.75	0.55	220V	1400	0.68	67		
1#	JY1A-2	0.75	0.55	220V	2800	0.72	66	1.8-2	2-3.5
	JY1B-2	0.5	0.37	220V	2800	0.72	66		
	JY1A-4	0.5	0.37	220V	1400	0.62	64		
	JY1B-4	0.33	0.25	220V	1400	0.62	60		
09#	JY09A-2	0.33	0.25	220V	2800	0.72	63	1.8-2	2-3.5
	JY09B-2	0.25	0.18	220V	2800	0.72	60		
	JY09A-4	0.25	0.18	220V	1400	0.62	56		

Note: The motor is designed according to power supplies 220V, 50Hz, Special design may be accommodated with the customers, particular requirements as 230V, 50Hz or 220V/110V, 60Hz, etc.

Installation Dimension

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
2#	160	112	63	19	40	6	15.5	100	12	115	95	140	0	M8	3	190	190	128	246	330
1#	140	100	56	16	40	5	13	90	10	100	80	120	0	M8	3	176	176	121	220	286
09#	125	100	50	14	30	4	11.5	80	10	85	70	105	0	M8	3	156	156	108	190	258