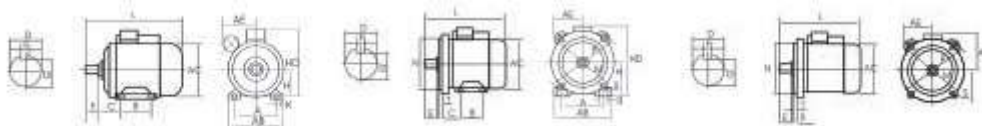


SINGLE PHASE ELECTRIC MOTOR

YC Series:

YC series heavy-duty single-phase motors are suitable for powering small type machine tools and water pumps, especially for family workshops where only single-phase current supply is available. Motors of the series are integrated with up-to-date design, built with the best quality materials and possess the features of pleasant-looking appearance, outstanding performance, easy maintenance and reliable running. The designations, signs and nominal values are all in conformity with I.E.C. standards.

YC series protected motors are of IP44 totally enclosed fan-cooling type. Rated output is 3Hp or below with capacitor starting. Under rated voltage and 50Hz, the starting torque is three times more than the rated torque and 60Hz is more than 2.75 times. Motors for 4Hp over are of capacitor start and run type. They all concentrate the advantages of high starting torque, smooth running, low temperature rise, low noise and greater overload performance.



OVERALL & INSTALLATION DIMENSIONS

Frame No.	Mounting (mm)															Overall Dimensions (mm)					
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AE	AD	HD	L
80	125	100	50	19	40	6	15.5	80	10Ø	165	130	200	0	12	3.5	165	165	110	150	200	295
90S	140	100	56	24	50	8	20	90	10Ø	165	130	200	0	12	3.5	180	185	120	160	240	370
90L	140	125	56	24	50	8	20	90	10Ø	165	130	200	0	12	3.5	180	185	120	160	240	400
100L	160	140	63	28	60	8	24	100	12Ø	215	180	250	0	15	4.0	205	220	130	180	260	430
112M	190	140	70	28	60	8	24	112	12Ø	215	180	250	0	15	4.0	245	250	140	190	300	455
132S	216	140	89	38	80	10	33	132	12Ø	265	230	300	0	15	4.0	280	290	150	210	350	525
132M	216	178	89	38	80	10	33	132	12Ø	265	230	300	0	15	4.0	280	290	150	210	350	560

TECHNICAL DATA

Type	Output		Voltage (V)	Current (A)	Speed (r.p.m)	Eff (%)	P.F	Start torque	Start Current	Max.torque
	HP	kW						Rated torque	Rated current	Rated torque
YC80a-2	1/2	0.37	220	3.7	2880	62	0.73	3.0	6.5	1.8
YC80b-2	3/4	0.55	220	5.3	2880	65	0.73	3.0	6.5	1.8
YC80c-2	1	0.75	220	6.7	2880	68	0.75	3.0	6.5	1.8
YC90S-2	1.5	1.1	220	9.1	2880	71	0.77	2.4	7.0	1.8
YC90L-2	2	1.5	220	12.1	2900	72	0.78	2.8	7.0	1.8
YC100L-2	3	2.2	220	17.1	2900	74	0.79	2.5	7.0	1.8
YC112M-2	4	3	220	21.4	2900	76	0.82	2.2	7.0	1.8
YC80a-4	1/3	0.25	220	3.4	1450	56	0.60	3.0	6	1.8
YC80b-4	1/2	0.37	220	4.5	1450	60	0.62	3.0	6	1.8
YC80c-4	3/4	0.55	220	6.0	1450	64	0.65	3.0	6	1.8
YC90S-4	1	0.75	220	7.7	1450	67	0.66	2.5	6.5	1.8
YC90L-4	1.5	1.1	220	10.5	1450	70	0.68	2.5	6.5	1.8
YC100L-4	2	1.5	220	13.5	1450	72	0.70	2.5	6.5	1.8
YC112M-4	3	2.2	220	19.3	1450	72	0.72	2.2	6.5	1.8
YC132SA-4	4	3	220	25.2	1450	74	0.73	2.1	6.5	1.8
YC132SB-4	5	3.7	220	30	1450	75	0.74	2.1	6.5	1.8
YC132MA-4	7.5	5.5	220	32.5	1450	81	0.95	2.1	6.5	1.8
YC132MB-4	10	7.5	220	43.3	1450	83	0.95	2.1	6.5	1.8

Remarks: The tabulated values are those rated Voltage 220V and rated frequency 50Hz.