

YC Series

Capacitor Start Induction Motor

Cast Iron Housing

Frame Size	H71~H132
Power	0.12kW~3.7kW
Synchronous Speed	3000, 1500, 1000RPM
Voltage	220V, 230V
Frequency	50Hz, 60Hz
Protection class	IP54, IP55
Insulation class	F
Ambi.temperature	-15°C ~ +40°C
Altitude Above sea level	≤1000m

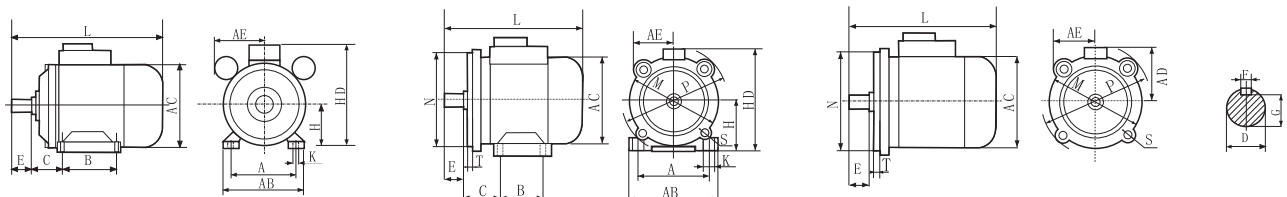


YL Series

Capacitor Start and Capacitor Run Induction Motor

Cast Iron Housing

Frame Size	H71~H132
Power	0.12kW~5.5kW
Synchronous Speed	3000, 1500, 1000RPM
Voltage	220V, 230V
Frequency	50Hz, 60Hz
Protection class	IP54, IP55
Insulation class	F
Ambi.temperature	-15°C ~ +40°C
Altitude Above sea level	≤1000m



IM B3

IM B35

IM B5

Frame	Mounting Dimensions															Overall Dimensions						
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AE	AD	HD	L	
71	112	90	45	14	30	5	11	71	7	130	110	160	0	10	3.5	145	145	100	110	180	255	
80	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	3.5	160	165	110	120	200	310	
90S	140	100	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	120	140	240	355	
90L	140	125	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	120	140	240	385	
100L	160	140	63	28	60	8	24	100	12	215	180	250	0	15	4	205	220	130	145	260	415	
112M	190	140	70	28	60	8	24	112	12	215	180	250	0	15	4	245	250	140	160	300	448	
132S	216	140	89	38	80	10	33	132	12	265	230	300	0	15	4	280	262	150	210	350	470	
132M	216	178	89	38	80	10	33	132	12	265	230	300	0	15	4	280	262	150	210	350	553	

YC/YL series Single Phase Induction Motor

Model	Output KW	HP	Voltage (V)	Current (A)	Eff (%)	Power Factor	Rating Torque (N.M)	Start torque Rating torque	Starting Current(A)	Speed (r.p.m)	Noise (dBA)	Min.torque Rating torque	Max. torque Rating torque	Start Capacitor
2-Pole Synchronous 3000RPM 50Hz														
YC71A2	0.18	0.25	230	1.86	50	0.72	0.63	3.0	12	2750	70	1.0	1.8	75μF/250V
YC71B2	0.25	0.33	230	2.43	54	0.74	0.86	3.0	15	2780	70	1.0	1.8	75μF/250V
YC80A2	0.37	0.50	230	3.46	65	0.77	1.26	2.8	21	2800	75	1.0	1.8	100μF/250V
YC80B2	0.55	0.75	230	4.78	68	0.79	1.88	2.8	29	2800	75	1.0	1.8	150μF/250V
YC90S2	0.75	1.0	230	6.15	70	0.80	2.55	2.5	37	2810	75	1.0	1.8	200μF/300V
YC90L2	1.1	1.5	230	8.76	72	0.80	3.73	2.5	60	2820	78	1.0	1.8	250μF/300V
YC100LA2	1.5	2.0	230	11.47	74	0.81	5.06	2.5	80	2830	83	1.0	1.8	300μF/300V
YC100LB2	2.2	3.0	230	16.59	75	0.81	7.4	2.2	120	2840	83	1.0	1.8	400μF/300V
YC112M2	3.0	4.0	230	22.03	76	0.82	10.05	2.2	150	2850	87	1.0	1.8	600μF/300V
4-Pole Synchronous 1500RPM 50Hz														
YC71A4	0.12	0.15	230	1.86	50	0.58	0.84	2.8	9	1360	65	1.0	1.8	50μF/250V
YC71B4	0.18	0.25	230	2.46	53	0.62	1.25	2.8	12	1380	65	1.0	1.8	75μF/250V
YC80A4	0.25	0.33	230	3.07	58	0.63	1.72	2.8	15	1390	65	1.0	1.8	100μF/250V
YC80B4	0.37	0.50	230	4.18	62	0.64	2.52	2.5	21	1400	70	1.0	1.8	100μF/250V
YC90S4	0.55	0.75	230	5.49	66	0.69	3.75	2.5	29	1400	70	1.0	1.8	150μF/250V
YC90L4	0.75	1.0	230	6.85	68	0.73	5.08	2.5	37	1410	70	1.0	1.8	150μF/250V
YC100LA4	1.1	1.5	230	9.49	71	0.74	7.4	2.5	60	1420	73	1.0	1.8	250μF/300V
YC100LB4	1.5	2.0	230	12.41	73	0.75	10.01	2.5	80	1430	78	1.0	1.8	400μF/300V
YC112M4	2.2	3.0	230	17.71	74	0.76	14.59	2.2	120	1440	78	1.0	1.8	600μF/300V

Model	Output KW	HP	Voltage (V)	Current (A)	Eff (%)	Power Factor	Rating Torque (N.M)	Start torque Rating torque	Starting Current(A)	Speed (r.p.m)	Noise (dBA)	Min.torque Rating torque	Max. torque Rating torque	Start Capacitor	Run Capacitor
2-Pole Synchronous 3000RPM 50Hz															
YL80A2	0.75	1.0	230	4.87	73	0.95	2.56	1.8	30	2800	70	1.0	1.6	100μF/450V	20μF/450V
YL80B2	1.1	1.5	230	7.04	75	0.95	3.74	1.8	40	2810	70	1.0	1.6	150μF/450V	30μF/450V
YL90S2	1.5	2.0	230	9.48	76	0.95	5.10	1.8	55	2810	73	1.0	1.6	200μF/450V	40μF/450V
YL90L2	2.2	3.0	230	13.57	77	0.95	7.48	1.7	75	2810	73	1.0	1.6	250μF/450V	50μF/450V
YL100LA2	3.0	4.0	230	17.83	79	0.95	10.13	1.7	110	2830	78	1.0	1.6	400μF/450V	60μF/450V
YL112MA2	3.7	5.0	230	21.48	80	0.95	12.40	1.7	140	2850	78	1.0	1.6	600μF/450V	60μF/450V
YL112MB2	4.0	5.5	230	22.18	80	0.98	13.41	1.7	150	2850	78	1.0	1.6	600μF/450V	60μF/450V
4-Pole Synchronous 1500RPM 50Hz															
YL80A4	0.55	0.75	230	4.03	69	0.92	3.75	1.7	20	1400	65	1.0	1.6	100μF/450V	20μF/450V
YL80B4	0.75	1.0	230	5.25	71	0.95	5.08	1.7	30	1410	65	1.0	1.6	100μF/450V	25μF/450V
YL90S4	1.1	1.5	230	7.24	72	0.95	7.45	1.7	40	1410	68	1.0	1.6	150μF/450V	35μF/450V
YL90L4	1.5	2.0	230	9.61	74	0.95	10.24	1.7	55	1410	68	1.0	1.6	200μF/450V	40μF/450V
YL100LA4	2.2	3.0	230	13.9	76	0.95	14.70	1.7	75	1430	73	1.0	1.6	300μF/450V	50μF/450V
YL100LB4	3.0	4.0	230	18.7	78	0.95	19.91	1.7	110	1440	73	1.0	1.6	500μF/450V	60μF/450V
YL112MA4	3.7	5.0	230	21.99	79	0.95	24.55	1.7	140	1440	78	1.0	1.6	600μF/450V	60μF/450V
YL112MB4	4.0	5.5	230	22.41	80	0.98	26.54	1.7	150	1440	78	1.0	1.6	600μF/450V	60μF/450V