

# SINGLE-PHASE TWO-VALUE INDUCTION MOTORS

CAST-IRON HOUSING

# YL



YL series single phase two-value motors are made in conformity with IEC standards. They are superior motors delivering excellent torque enabling the toughest jobs to be handled with dependable ease. They perform well in high voltage fluctuating regions and are normally used in the pumping, compressor, agriculture, farming, building service and manufacturing industry.

### OPERATING CONDITIONS

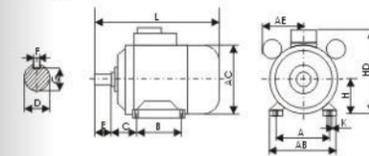
Ambient temperature:  $-15\text{ }^{\circ}\text{C} < \theta < 40\text{ }^{\circ}\text{C}$   
 Altitude: Not exceeding 1000meters  
 Rated voltage: 220V  
 Rated frequency: 50Hz, 60Hz  
 Duty/Rating: Continuous(S1)  
 Protection class: IP44, IP54  
 Insulation class: Class B, F  
 Cooling method: IC0141

### Technical data

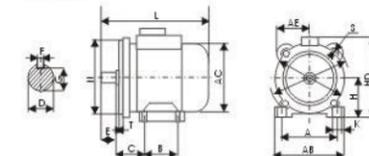
Model	Rated Output		Full load Voltage V	Rated Current A	Rated Speed rpm	Eff $\eta$ %	Power factor COS $\phi$	Ts/Tn Times	Tmax/Tn Times	Starting Current A
	kW	Hp								
YL711-2	0.37	0.5	220	2.61	2800	67	0.92	1.8	1.8	16
YL712-2	0.55	0.75	220	3.71	2800	70	0.92	1.8	1.8	21
YL801-2	0.75	1	220	4.93	2800	72	0.92	1.8	1.8	29
YL802-2	1.1	1.5	220	6.7	2800	75	0.95	1.8	1.8	40
YL90S-2	1.5	2	220	9.03	2820	76	0.95	1.7	1.8	55
YL90L-2	2.2	3	220	13.1	2820	77	0.95	1.7	1.8	80
YL100L-2	3	4	220	16.6	2820	80	0.98	2.2	2	91
YL112M-2	3.7	5	220	20.5	2820	80	0.98	2	2	121
YL711-4	0.25	0.33	220	1.9	1400	62	0.92	1.8	1.8	12
YL712-4	0.37	0.5	220	2.69	1400	65	0.92	1.8	1.8	16
YL801-4	0.55	0.75	220	3.83	1400	68	0.92	1.8	1.8	21
YL802-4	0.75	1	220	4.99	1400	71	0.92	1.8	1.8	29
YL90S-4	1.1	1.5	220	6.9	1420	73	0.95	1.7	1.8	40
YL90L-4	1.5	2	220	9.15	1420	75	0.95	1.7	1.8	55
YL100L1-4	2.2	3	220	13.3	1420	76	0.95	1.7	1.8	80
YL100L2-4	3	4	220	17.79	1420	77	0.95	1.7	1.8	110
YL112M1-4	3	4	220	17.79	1440	77	0.95	1.7	1.8	110
YL112M2-4	3.7	5	220	22	1440	78	0.95	1.7	1.8	138
YL132S1-4	3	4	220	17.79	1450	77	0.95	1.7	1.8	110
YL132S2-4	3.7	5	220	22	1450	78	0.95	1.7	1.8	138
YL132M-4	5	7.5	220	32.5	1450	87	0.95	1.7	1.8	227

### Overall & Installation Dimensions

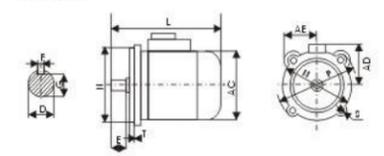
#### IMB3



#### IMB35



#### IMB5



Frame size	Mounting Dimensions (mm)																Frame Dimensions (mm)											
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	Y	AB	AC	AD	AE	HD	L	
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	-	-	-	-	-	-	-	145	145	140	105	180	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	2.5	-	-	-	-	-	-	-	160	165	150	120	200	295
90S	140	100	56	24	50	8	20	90	10	112	95	140	0	M8	3	-	-	-	-	-	-	-	180	185	160	130	240	370
90L	140	125	56	24	50	8	20	90	10	112	95	140	0	M8	3	-	-	-	-	-	-	-	180	185	160	130	240	400
100L	160	140	63	28	60	8	24	100	12	-	-	-	-	-	-	215	180	250	0	15	4	205	220	180	140	260	430	
112M	190	140	70	28	60	8	24	112	12	-	-	-	-	-	-	215	180	250	0	15	4	245	250	190	150	300	455	
132S	216	140	89	38	80	10	33	132	12	-	-	-	-	-	-	265	230	300	0	15	4	280	290	210	155	350	525	