

## YC YL SERIES MOTORS



**YC-MOTOR**

YC series heavy-duty single-phase motors are suitable for driving small machines and water pumps, especially for family or workshops where only single-phase electric supply are available. Conforming to "IEC" designed with advanced techniques and made from best materials, the motors have pleasant appearance and good performance.

YC series motors are of IP44, totally enclosed and fan-cooled. Motor of rated output of 3HP and below are capacitor-started, when operating under rated voltage, under 50Hz, has a starting torque as high as 3 times the rated torque and under 60Hz, the torque can be 2.75 times the rated one. Motors of 4HP and above are of capacitor start and run. They have the advantages of high torque, steady running, low the mal rise, lower noise and greater overload performan.

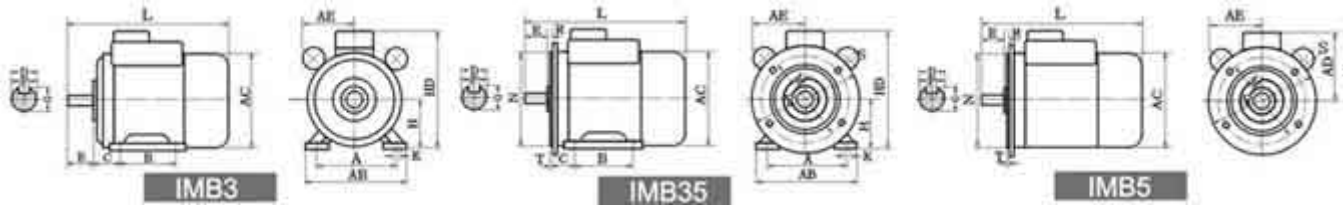
### PERFORMANCE DATA

TYPE	POWER		CURRENT ( A )	POWER FACTOR	EFF. ( % )	SPEED ( r/min )	STARTING CURRENT RATED CURRENT	STARTING TORQUE RATED TORQUE	MAX TORQUE RATED TORQUE
	HP	KW							
YC80A-2	1/2	0.37	3.99	0.74	57	2850	6.5	3	1.8
YC80B-2	3/4	0.55	5.04	0.74	67	2850	6.5	3	1.8
YC80C-2	1	0.75	6.68	0.75	68	2850	6.5	3	1.8
YC90S-2	1.5	1.1	8.93	0.8	70	2850	7	2.8	1.8
YC90L-2	2	1.5	11.4	0.82	73	2870	7	2.8	1.8
YC100L-2	3	2.2	16.5	0.82	74	2900	7	2.5	1.8
YC112M1-2	4	3	21.4	0.84	76	2900	7	2.2	1.8
YC112M2-2	5	3.7	24.8	0.86	79	2900	7	2.2	1.8
YC80A-4	1/3	0.25	3.52	0.62	52	1400	6	3	1.8
YC80B-4	1/2	0.37	4.69	0.64	56	1400	6	3	1.8
YC80C-4	3/4	0.55	6.0	0.65	64	1400	6	3	1.8
YC90S-4	1	0.75	7.5	0.72	63	1400	6.5	2.8	1.8
YC90L-4	1.5	1.1	10.4	0.72	67	1420	6.5	2.8	1.8

YC100L-4	2	1.5	13.0	0.73	72	1440	6.5	2.8	1.8
YC112M-4	3	2.2	18.5	0.74	73	1450	6.5	2.5	1.8
YC132SA-4	4	3	22.4	0.8	76	1450	6.5	2.2	1.8
YC132SB-4	5	3.7	26.0	0.82	79	1450	6.5	2.2	1.8
YC132M-4	5	3.7	28	0.85	79	1470	6	3	2.0
YC132L-4	7.5	5	36	0.86	79	1470	6	3	2.0
YC160M-4	10	7.5	42	0.87	79	1470	6	3	2.0

注:表中的电流值为额定电压,为 220V 额定频率为 50Hz 时的数值。

### OVERALL & INSTALLATION DIMENSIONS



Frame Size	Mounting Dimensions (mm)															Overall Dimensions (mm)					
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	AE	HD	L
80	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	3.5	160	165	150	110	200	295
90S	140	100	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	160	120	240	370
90L	140	125	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	160	120	240	400
100L	160	140	63	28	60	8	24	100	12	215	180	250	0	15	4	205	220	180	130	260	430
112M	190	140	70	28	60	8	24	112	12	215	180	250	0	15	4	245	250	190	140	300	455
132S	216	140	89	38	80	10	33	132	12	215	230	300	0	15	4	280	290	210	150	350	525
160M	254	210	108	42	110	12	37	160	15	300	250	350	0	19	5	325	325	255		385	600

## YC YL SERIES MOTORS



**YL-MOTOR**

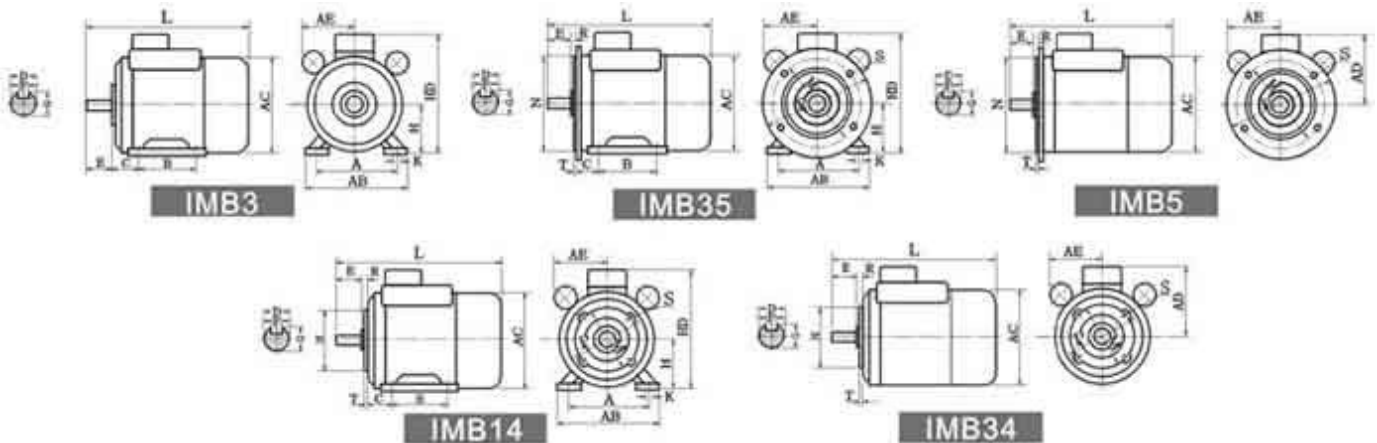
- **YL series single phase dual-capacitor asynchronous motors are designed and produced in accordance with state standards, and have out-standing construction of starting and operation, are of low noise, compact imensions,light weight,easy maintenance, etc.**
- **These motors can be widely used in air compressors,pumps,fans,refrigeration,medical instruments as well as small machines, etc. especially for occasion where only single**
- **phase electricity is available.**  
**Protection type: IP44 Insulation class: B**  
**Rated voltage: 220V Cooling type: IC0141**  
**Duty type: continuous running Rated frequency: 50Hz**

### PERFORMANCE DATA

Type	Power		Current ( A )	Power Factor	EFF. ( % )	Speed ( r/min )	<u>STARTING</u>	<u>STARTING</u>	<u>MAX TORQUE</u> RATEDTORQUE
	HP	KW					<u>CURRENT</u> RATED CURRENT	<u>TORQUE</u> RATED TORQUE	
YL711-2	1/2	0.37	2.73	0.92	67	2800	16	1.8	1.8
YL712-2	3/4	0.55	3.88	0.92	70	2800	21	1.8	1.8
YL801-2	1	0.75	4.79	0.95	75	2800	29	1.8	1.8
YL802-2	1.5	1.1	6.93	0.95	76	2820	40	1.8	1.8
YL90S-2	2	1.5	9.44	0.95	76	2820	55	1.7	1.8
YL90L-2	3	2.2	13.7	0.95	77	2830	80	1.7	1.8
YL711-4	1/3	0.25	2.0	0.92	62	1400	12	1.8	1.8
YL712-4	1/2	0.37	2.8	0.92	65	1400	16	1.8	1.8
YL801-4	3/4	0.55	3.88	0.92	70	1400	21	1.8	1.8
YL802-4	1	0.75	5.1	0.92	73	1400	29	1.7	1.8

YL90S-4	1.5	1.1	7.0	0.95	75	1420	40	1.7	1.8
YL90L-4	2	1.5	9.44	0.95	76	1420	55	1.7	1.8
YL100L1-4	3	2.2	13.7	0.95	77	1420	80	1.7	1.8
YL100L2-4	4	3	18.4	0.95	78	1420	110	1.7	1.8
YL112M1-4	4	3	18.4	0.95	78	1440	110	1.7	1.8
YL112M2-4	5	3.7	22.2	0.95	80	1440	138	1.7	1.8
YL132SA-4	4	3	18.4	0.95	78	1440	110	1.7	1.8
YL132SB-4	5	3.7	22.2	0.95	80	1440	138	1.7	1.8

**OVERALL & INSTALLATION DIMENSIONS**



Frame Size	Mounting Dimensions (mm)																				Overall Dimensions (mm)						
											IMB14 IMB35					IMB5 IMB35											
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	AE	HD	L
71	112	90	45	14	30	5	11	71	7	130	110	160	0	10	3.5	-	-	-	-	-	-	145	145	140	105	180	255
80	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	3.5	-	-	-	-	-	-	160	165	150	120	200	295
90S	140	100	56	24	50	8	20	90	10	165	130	200	0	12	3.5	-	-	-	-	-	-	180	185	160	130	240	370
90L	140	125	56	24	50	8	20	90	10	165	130	200	0	12	3.5	-	-	-	-	-	-	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	130	260	430
112M	190	140	70	28	60	8	24	112	12	-	-	-	-	-	-	215	180	250	0	15	4	245	250	190	140	300	455
132S	216	140	89	38	80	10	33	132	12	-	-	-	-	-	-	215	230	300	0	15	4	280	290	210	155	350	525