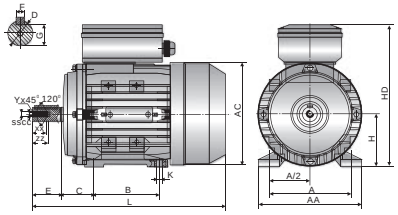
TPC

Series Aluminium Housing Single-**Phase Multi-Mount Asynchronous** Motor-Run Capacitor

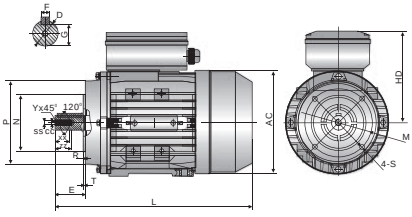
The TPC Aluminum multi-mount single phase permanent capacitor asynchronous motor adopts the same frame configurations as the TCC range with smaller terminal box arrangement and high resistance rotor.
The TPC range is suitable for most fan and square law torque applications,This range is suitable for Triac speed control and offers starting torque of 0.5-0.9 times F.L.T.

N.B.: it is recommended that single phase motors are not stopped / started more than 15 times in 1 hour in order to allow safe discharge of capacitors.

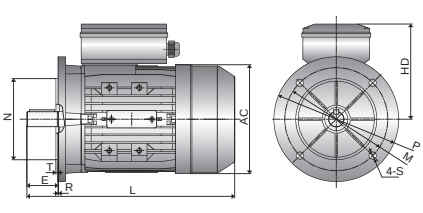




IMB3



IMB14



IMB5

Overall & Installation Dimensions

Frame Size	Mounting Dimensions																					Overall Dimensions					Shaft End Screw Dimensions		
	A	B	C	D	E	F	G	H	K	IM B14						IM B5													
										M	N	P	T	R	S	M	N	P	T	R	S	AA	AC	AD	HD	L	SS	XX	ZZ
56	90	71	36	φ9	20	3	7.2	56	5.8x8.8	φ65	φ50	φ80	2.5	0	M5	φ100	φ80	φ120	3.0	0	φ7	110	φ117	144	88	196	M3	9	12
63	100	80	40	φ11	23	4	8.5	63	7x10	φ75	φ60	φ90	2.5	0	M5	φ115	φ95	φ140	3.0	0	φ10	120	φ130	181	118	220	M4	10	14
71*	112	90	45	φ14	30	5	11	71	7x10	φ85	φ70	φ105	2.5	0	M6	φ130	φ110	φ160	3.5	0	φ10	132	φ147	196	125	241/255	M5	12	17
80	125	100	50	φ19	40	6	15.5	80	10x13	φ100	φ80	φ120	3.0	0	M6	φ165	φ130	φ200	3.5	0	φ12	160	φ163	226	146	290	M6	16	21
90S	140	100	56	φ24	50	8	20	90	10x13	φ115	φ95	φ140	3.0	0	M8	φ165	φ130	φ200	3.5	0	φ12	175	φ183	243	153	312	M8	19	25
90L	140	125	56	φ24	50	8	20	90	10x13	φ115	φ95	φ140	3.0	0	M8	φ165	φ130	φ200	3.5	0	φ12	175	φ183	243	153	337/367	M8	19	25
100L**	160	140	63	φ28	60	8	24	100	12x15	φ130	φ110	φ160	3.5	0	M8	φ215	φ180	φ250	4.0	0	φ15	198	φ205	265	165	369/387	M10	22	30

** This frame size has two housing sizes, the rated output is for normal "L" size, and increased output is for the large "L" size (refer to the figures in the bracket "()")

Technical Data (at 230V/50Hz)

Model	Power (KW)	Current (A)	Speed (r/min)	Eff. (%)	Power Factor (CosΦ)	T_{st}/T_n (Times)	T_{max}/T_n (Times)	Starting Current (A)	Run Capacitor (μF/V)	Noise dB(A)	W.T (Kg)
TPC 5612	0.09	0.80	2740	54	0.91	0.69	1.8	2.5	4μF/450V	67	2.8
TPC 5622	0.12	0.90	2760	60	0.93	0.69	1.8	3.5	6μF/450V	67	3.05
TPC 5632	0.18	1.40	2760	62	0.93	0.55	1.8	4.5	8μF/450V	70	3.5
TPC 6312	0.18	1.40	2760	62	0.93	0.55	1.8	4.5	8μF/450V	70	4.1
TPC 6322	0.25	1.70	2780	66	0.93	0.55	1.8	6	10μF/450V	70	4.5
TPC 6332	0.37	2.50	2780	67	0.93	0.45	1.65	8	12μF/450V	75	5.25
TPC 711-2	0.37	2.60	2640	66	0.94	0.72	1.65	8	14μF/450V	75	6.1
TPC 712-2	0.55	3.60	2760	71	0.95	0.7	1.8	14	20μF/450V	75	7.7
TPC 801-2	0.75	4.50	2735	73	0.98	0.68	1.75	16	25μF/450V	75	10.3
TPC 802-2	1.10	6.60	2720	74	0.98	0.65	1.8	23	35μF/450V	78	11.6
TPC 803-2	1.50	9.20	2730	74	0.98	0.65	1.8	31	50μF/450V	78	13.6
TPC 90S-2	1.50	8.50	2755	76	0.98	0.65	1.8	31	50μF/450V	80	14.6
TPC 90L-2	2.20	12.30	2765	77	0.98	0.65	1.8	51	70μF/450V	80	17.8
TPC 100L-2	3.00	16.90	2765	77	0.99	0.55	1.75	64	90μF/450V	83	23.7
TPC 5614	0.06	0.60	1360	50	0.94	0.75	1.75	2	4μF/450V	63	3.3
TPC 5624	0.09	0.80	1360	52	0.94	0.6	1.75	3	6μF/451V	63	3.6
TPC 5634	0.12	1.30	1370	52	0.92	0.6	1.75	3	8μF/452V	65	4.1
TPC 6314	0.12	1.30	1370	52	0.92	0.6	1.75	3	8μF/453V	65	4.45
TPC 6324	0.18	1.50	1370	54	0.94	0.6	1.6	4	10μF/450V	65	5.05
TPC 6334	0.25	2.00	1370	58	0.95	0.6	1.6	5	12μF/450V	65	5.4
TPC 711-4	0.25	2.00	1320	56	0.94	0.75	1.6	5	14μF/450V	65	6.2
TPC 712-4	0.37	2.90	1325	58	0.94	0.7	1.55	7	20μF/450V	68	7.3
TPC 801-4	0.55	3.90	1340	64	0.94	0.7	1.7	11	25μF/450V	73	10.1
TPC 802-4	0.75	5.30	1340	64	0.94	0.7	1.75	15	35μF/450V	73	11.4
TPC 90S-4	1.10	7.00	1355	72	0.95	0.68	1.8	22	50μF/450V	75	14.4
TPC 90L-4	1.50	9.30	1360	74	0.95	0.68	1.8	32	50μF/450V	78	17.5
TPC 100L1-4	2.20	12.60	1390	78	0.97	0.48	1.75	49	70μF/450V	80	24.5
TPC 100L2-4	3.00	16.50	1380	79	0.99	0.45	1.6	61	90μF/450V	80	32
TPC 6316	0.09	0.92	900	46	0.92	0.8	1.45	2	8μF/464V	63	5.1
TPC 6326	0.12	1.05	900	54	0.92	0.75	1.45	3	11μF/465V	63	6
TPC 7116	0.18	1.55	900	55	0.92	0.7	1.5	4	16μF/466V	68	6.3
TPC 7126	0.25	2.07	900	57	0.92	0.68	1.5	5	20μF/467V	68	7.6
TPC 8016	0.37	2.82	900	62	0.92	0.68	1.6	8	25μF/468V	68	9
TPC 8026	0.55	4.08	900	63	0.93	0.68	1.6	14	30μF/469V	70	11.6
TPC 90S6	0.75	5.20	900	66	0.95	0.65	1.6	16	40μF/470V	70	13.5
TPC 90L6	1.10	7.51	900	67	0.95	0.62	1.6	25	50μF/471V	70	16.2