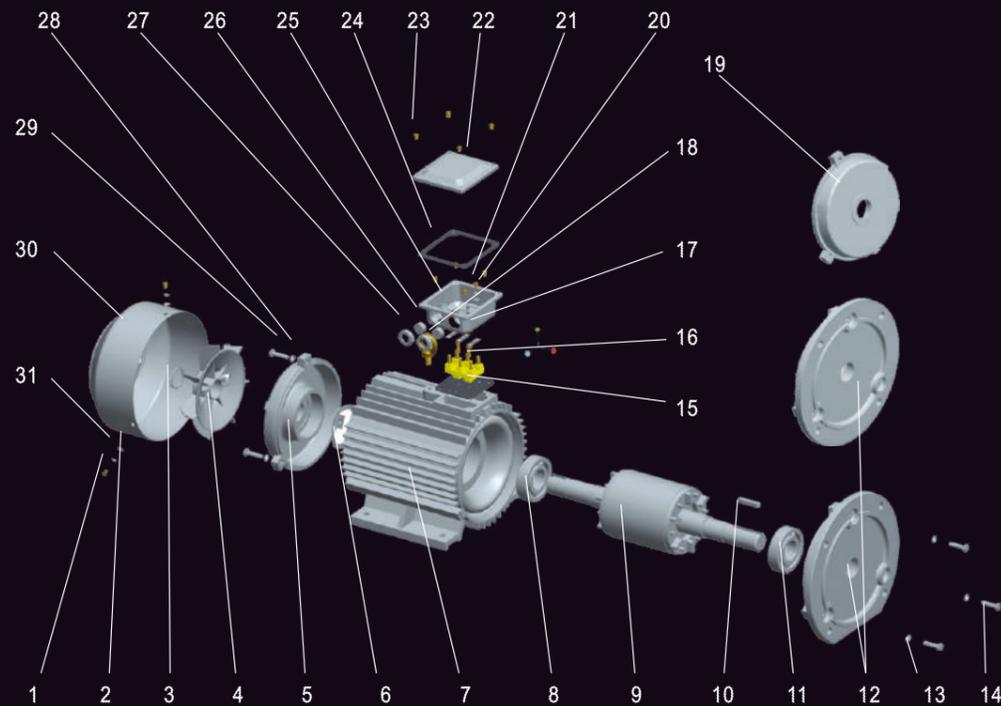


## MOTOR SPARE PART/DESCRIPTION

# TITAN



1	Screw for fixing fan cover	12	Flange	22	Terminal box cover
2	Spring washer	13	Spring washer	23	Screw for fixing terminal box cover
3	Closing ring	14	Screw for fixing flange	24	Seal washer
4	Cooling fan	15	Terminal base seal	25	Screw
5	End shield	16	Terminal stud	26	Cable output cap
6	Wave spring	17	Terminal strip	27	Cable holder cap
7	Stator	18	Ring	28	Spring washer
8	Bearing	19	End shield B3	29	Screw
9	Rotor	20	Terminal box base	30	Fan cover
10	Key	21	Earthing screw	31	Washer
11	Bearing				

## GENERAL PURPOSE THREE PHASE INDUCTION MOTORS

Energy Efficient Low Voltage Motors  
Frame Size 63 - 355  
IEC Standard  
0.18 to 375 KW



# TITAN

electric motor

TITAN ELECTRIC MOTOR is a high quality, efficient and reliable general purpose three phase induction motor. We support general industrial customers with small and medium size motor with output ranging from a few watts to hundreds of kilowatts.

TITAN motors are designed and manufactured according to IEC standard of output rating and mounting dimension in a facility that passed ISO 9001:2008 quality systems. Our products are CE certified.

TITAN motors are an excellent solution for general use machineries across various industries, including water treatment, mining, palm oil, textile, papermaking, food, construction, and many others.

# CE

ISO 9001

## Product Catalog



**OPERATING CONDITIONS**

- Altitude : Not exceeding 1.000 meters
- Ambient temperature :-20°C~+40°C
- Cooling method : IC 411 (self external fan, surface cooling)
- Duty : Continuous (S1 duty)
- Connection : Y Star-connection for 3kw and below  
△ Delta-connection for 4kw and above
- Rated Voltage : Standard stock available -  
220V/380V and 380V/660V  
Other voltages can be supplied on request.
- Rated Frequency : 50HZ/60HZ
- Insulation Class : Class F
- Protection Class : IP55

TM-series motor is totally enclosed fan cooled (TEFC) basic series of general purpose low voltage three phase induction motor. This motor is built with compact structure, high efficiency, high torque, low vibration, low noise, and attractive design.

TM-series motor is broadly used as the driving equipment in various machineries such as pumps, blowers, compressors, crushing machineries, plastic extruding machineries, agriculture machineries, paper making machineries, milling machineries, mining machineries, and many others.

TM-series standard motor efficiency meets IE1 standard. IE2 and IE3 standard efficiency are available upon request.

**BEARING SIZE**

Frame Size	Poles	Drive-end	Non-drive end	Frame Size	Poles	Drive-end	Non-drive end
80	2,4,6,8	6204 2RSZV3	6204 2RSZV3	225	2,4,6,8	6313 2RS/C3ZV3	6313 2RS/C3ZV3
90	2,4,6,8	6205 2RSZV3	6205 2RSZV3	250	2,4,6,8	6314 2RS/C3ZV3	6314 2RS/C3ZV3
100	2,4,6,8	6206 2RSZV3	6206 2RSZV3	280	2	6314 2RS/C3ZV3	6314 2RS/C3ZV3
112	2,4,6,8	6306 2RSZV3	6306 2RSZV3	280	4,6,8	6317/Z2	6317/Z2
132	2,4,6,8	6308 2RSZV3	6308 2RSZV3	315	2	6317/Z2	6317/Z2
160	2,4,6,8	6309 2RSZV3	6309 2RSZV3	315	4,6,8	6319/Z2	6319/Z2
180	2,4,6,8	6311 2RS/C3ZV3	6311 2RS/C3ZV3	355	2	6319/Z2	6319/Z2
200	2,4,6,8	6312 2RS/C3ZV3	6312 2RS/C3ZV3	355	4,6,8	6322/Z2	6322/Z2

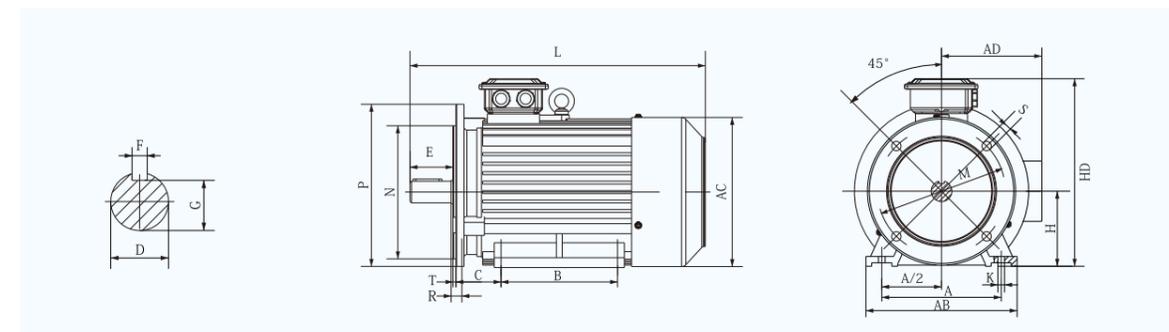
**MOUNTING TYPE**

Basic structure pattern	B3					
Mounting	B3	B6	B7	B8	V5	V6
Drawing						
Frame size	80-355			80-160		

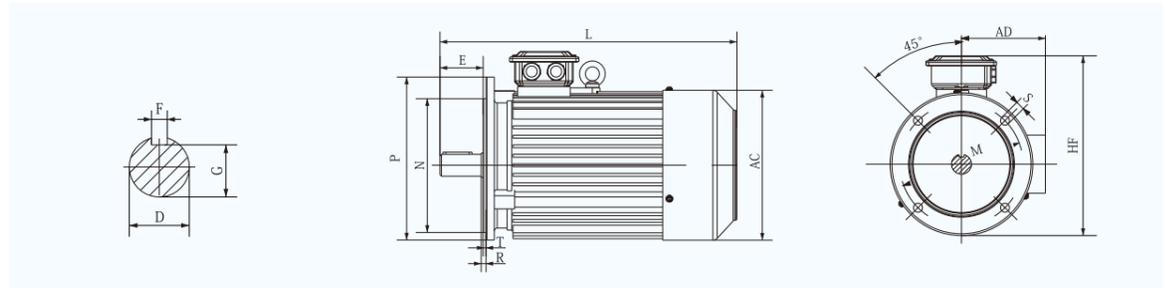
Basic structure pattern	B5			B35		
Mounting	B5	V1	V3	B35	V15	V36
Drawing						
Frame size	80-225	80-355	80-160	80-355	80-160	

**FRAME WITH FEET AND END-SHIELD WITH FLANGE (IM B35)**



Frame size	Pole	Mounting dimensions(mm)														Overall dimensions(mm)					
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
63M	2,4	100	80	40	11	23	4	8.5	63	7	115	95	140	0	10	3	135	130	70	180	230
71M	2,4,6	112	90	45	14	30	5	11	71	7	130	110	160	0	10	3.5	150	145	80	195	255
80M	2,4,6,8	125	100	50	19	40	6	15.5	80	10	165	130	200	0	10	3.5	165	175	145	220	295
90S	2,4,6,8	140	100	56	24	50	8	20	90	10	165	130	200	0	10	3.5	180	195	155	250	320
90L	2,4,6,8	140	125	56	24	50	8	20	90	10	165	130	200	0	10	3.5	180	195	155	250	345
100L	2,4,6,8	160	140	63	28	60	8	24	100	12	215	180	250	0	12	4	205	215	180	270	385
112M	2,4,6,8	190	140	70	28	60	8	24	112	12	215	180	250	0	12	4	230	240	190	300	400
132S	2,4,6,8	216	140	89	38	80	10	33	132	12	265	230	300	0	12	4	270	275	210	345	470
132M	2,4,6,8	216	178	89	38	80	10	33	132	12	265	230	300	0	12	4	270	275	210	345	510
160M	2,4,6,8	254	210	108	42	110	12	37	160	14.5	300	250	350	0	14.5	5	320	330	255	420	615
160L	2,4,6,8	254	254	108	42	110	12	37	160	14.5	300	250	350	0	14.5	5	320	330	255	420	670
180M	2,4,6,8	279	241	121	48	110	14	42.5	180	14.5	300	250	350	0	14.5	5	355	380	280	455	700
180L	2,4,6,8	279	279	121	48	110	14	42.5	180	14.5	300	250	350	0	14.5	5	355	380	280	455	740
200L	2,4,6,8	318	305	133	55	110	16	49	200	18.5	350	300	400	0	18.5	5	395	420	305	505	770
225S	4,6,8	356	285	149	60	140	18	53	225	18.5	400	350	450	0	18.5	5	435	470	335	560	815
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	450	0	18.5	5	435	470	335	560	820
225M	4,6,8	356	311	149	60	140	18	53	225	18.5	400	350	450	0	18.5	5	435	470	335	560	845
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	24	5	490	510	370	615	910
250M	4,6,8	406	349	168	65	140	18	58	250	24	500	450	550	0	24	5	490	510	370	615	910
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	24	5	550	580	410	680	985
280S	4,6,8	457	368	190	75	140	20	67.5	280	24	500	450	550	0	24	5	550	580	410	680	985
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	24	5	550	580	410	680	1035
280M	4,6,8	457	419	190	75	140	20	67.5	280	24	500	450	550	0	24	5	550	580	410	680	1035
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	28	6	635	645	530	845	1240
315S	4,6,8	508	406	216	80	170	22	71	315	28	600	550	660	0	28	6	635	645	530	845	1270
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	28	6	635	645	530	845	1350
315M	4,6,8	508	457	216	80	170	22	71	315	28	600	550	660	0	28	6	635	645	530	845	1380
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	28	6	635	645	530	845	1350
315L	4,6,8	508	508	216	80	170	22	71	315	28	600	550	660	0	28	6	635	645	530	845	1380
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	28	6	730	710	655	1010	1500
355M	4,6,8	610	560	254	95	170	25	86	355	28	740	680	800	0	28	6	730	710	655	1010	1530
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	28	6	730	710	655	1010	1500
355L	4,6,8	610	630	254	95	170	25	86	355	28	740	680	800	0	28	6	730	710	655	1010	1530

FRAME WITHOUT FEET AND END-SHIELD WITH FLANGE (IM B5)



Frame size	Pole	Mounting dimensions(mm)										Overall dimensions(mm)			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
63M	2,4	11	23	4	8.5	115	95	140	0	10	3	130	70	130	230
71M	2,4,6	14	30	5	11	130	110	160	0	10	3.5	145	80	145	255
80M	2,4,6,8	19	40	6	15.5	165	130	200	0	10	3.5	175	145	185	295
90S	2,4,6,8	24	50	8	20	165	130	200	0	10	3.5	195	155	195	320
90L	2,4,6,8	24	50	8	20	165	130	200	0	10	3.5	195	155	195	345
100L	2,4,6,8	28	60	8	24	215	180	250	0	12	4	215	180	245	385
112M	2,4,6,8	28	60	8	24	215	180	250	0	12	4	240	190	265	400
132S	2,4,6,8	38	80	10	33	265	230	300	0	12	4	275	210	315	470
132M	2,4,6,8	38	80	10	33	265	230	300	0	12	4	275	210	315	510
160M	2,4,6,8	42	110	12	37	300	250	350	0	14.5	5	330	255	385	615
160L	2,4,6,8	42	110	12	37	300	250	350	0	14.5	5	330	255	385	670
180M	2,4,6,8	48	110	14	42.5	300	250	350	0	14.5	5	380	280	430	700
180L	2,4,6,8	48	110	14	42.5	300	250	350	0	14.5	5	380	280	430	740
200L	2,4,6,8	55	110	16	49	350	300	400	0	18.5	5	420	305	480	770
225S	4,6,8	60	140	18	53	400	350	450	0	18.5	5	470	335	535	815
225M	2	55	110	16	49	400	350	450	0	18.5	5	470	335	535	820
225M	4,6,8	60	140	18	53	400	350	450	0	18.5	5	470	335	535	845
250M	2	60	140	18	53	500	450	550	0	24	5	510	370	595	910
250M	4,6,8	65	140	18	58	500	450	550	0	24	5	510	370	595	910
280S	2	65	140	18	58	500	450	550	0	24	5	580	410	650	985
280S	4,6,8	75	140	20	67.5	500	450	550	0	24	5	580	410	650	985
280M	2	65	140	18	58	500	450	550	0	24	5	580	410	650	1035
280M	4,6,8	75	140	20	67.5	500	450	550	0	24	5	580	410	650	1035
315S	2	65	140	18	58	600	550	660	0	28	6	645	530	900	1160
315S	4,6,8	80	170	22	71	600	550	660	0	28	6	645	530	900	1270
315M	2	65	140	18	58	600	550	660	0	28	6	645	530	900	1190
315M	4,6,8	80	170	22	71	600	550	660	0	28	6	645	530	900	1300
315L	2	65	140	18	58	600	550	660	0	28	6	645	530	900	1190
315L	4,6,8	80	170	22	71	600	550	660	0	28	6	645	530	900	1300
355M	2	75	140	20	67.5	740	680	800	0	28	6	710	655	1010	1500
355M	4,6,8	95	170	25	86	740	680	800	0	28	6	710	655	1010	1530
355L	2	75	140	20	67.5	740	680	800	0	28	6	710	655	1010	1500
355L	4,6,8	95	170	25	86	740	680	800	0	28	6	710	655	1010	1530

50 HZ, 3000 RPM (2 Pole)

Model	Rated Power		Current [A]			Speed [rpm]	Eff. [%]	Power Factor [cos φ]	Locked Current/ Rated Current	Locked Torque/ Rated Torque	Max. Torque/ Rated Torque	Noise [dB(A)]	Weight [Kg]
	[Kw]	[Hp]	220 V	380 V	415 V								
TM-63M1-2	0.18	0.24	0.92	0.53	0.49	2720	65.0	0.80	5.5	2.2	2.2	61	14
TM-63M2-2	0.25	0.33	1.19	0.69	0.63	2720	68.0	0.81	5.5	2.2	2.2	61	14.5
TM-71M1-2	0.37	0.5	1.71	0.99	0.91	2740	70.0	0.81	6.1	2.2	2.2	64	15
TM-71M2-2	0.55	0.75	2.42	1.40	1.28	2740	73.0	0.82	6.1	2.2	2.3	64	15.5
TM-80M1-2	0.75	1	3.16	1.83	1.68	2830	75.0	0.83	7.0	2.2	2.3	67	16.5
TM-80M2-2	1.1	1.5	4.46	2.58	2.36	2830	77.0	0.84	7.0	2.2	2.3	67	17.5
TM-90S-2	1.5	2	5.92	3.43	3.14	2840	79.0	0.84	7.0	2.2	2.3	72	21
TM-90L-2	2.2	3	8.38	4.85	4.44	2840	81.0	0.85	7.0	2.2	2.3	72	25
TM-100L-2	3.0	4	10.9	6.31	5.78	2870	83.0	0.87	7.5	2.2	2.3	76	33
TM-112M-2	4.0	5.5	14.0	8.10	7.42	2890	85.0	0.88	7.5	2.2	2.3	77	41
TM-132S1-2	5.5	7.5	19.0	11.0	10.1	2900	86.0	0.88	7.5	2.2	2.3	80	63
TM-132S2-2	7.5	10	25.7	14.9	13.6	2900	87.0	0.88	7.5	2.2	2.3	80	73
TM-160M1-2	11	15	36.8	21.3	19.5	2930	88.0	0.89	7.5	2.2	2.3	86	110
TM-160M2-2	15	20	49.7	28.8	26.4	2930	89.0	0.89	7.5	2.2	2.3	86	120
TM-160L-2	18.5	25	59.9	34.7	31.8	2930	90.0	0.90	7.5	2.2	2.3	86	135
TM-180M-2	22	30	70.8	41.0	37.5	2940	90.0	0.90	7.5	2.0	2.3	89	165
TM-200L1-2	30	40	95.9	55.5	50.8	2950	91.2	0.90	7.5	2.0	2.3	92	218
TM-200L2-2	37	50	117	67.9	62.2	2950	92.0	0.90	7.5	2.0	2.3	92	230
TM-225M-2	45	60	142	82.3	75.4	2970	92.3	0.90	7.5	2.0	2.3	92	280
TM-250M-2	55	75	174	101	92.5	2970	92.5	0.90	7.5	2.0	2.3	93	365
TM-280S-2	75	100	231	134	123	2970	93.0	0.90	7.5	2.0	2.3	94	495
TM-280M-2	90	125	276	160	147	2970	93.8	0.91	7.5	2.0	2.3	94	565
TM-315S-2	110	150	337	195	179	2980	94.0	0.91	7.1	1.8	2.2	96	890
TM-315M-2	132	180	402	233	213	2980	94.5	0.91	7.1	1.8	2.2	96	980
TM-315L1-2	160	220	482	279	255	2980	94.6	0.92	7.1	1.8	2.2	99	1055
TM-315L2-2	200	270	601	348	319	2980	94.8	0.92	7.1	1.8	2.2	99	1253
TM-355M-2	250	340	748	433	396	2980	95.3	0.92	7.1	1.6	2.2	103	1650
TM-355L-2	315	420	940	544	498	2980	95.6	0.92	7.1	1.6	2.2	103	1834

50 HZ, 1500 RPM (4 Pole)

Model	Rated Power		Current [A]			Speed [rpm]	Eff. [%]	Power Factor [cos φ]	Locked Current/ Rated Current	Locked Torque/ Rated Torque	Max. Torque/ Rated Torque	Noise [dB(A)]	Weight [Kg]
	[Kw]	[Hp]	220 V	380 V	415 V								
TM-63M2-4	0.18	0.24	1.07	0.62	0.57	1310	60.0	0.73	4.4	2.1	2.2	52	13.5
TM-71M1-4	0.25	0.33	1.36	0.79	0.72	1330	65.0	0.75	5.2	2.1	2.2	55	14
TM-71M2-4	0.37	0.5	1.93	1.12	1.03	1330	67.0	0.75	5.2	2.1	2.2	55	14.5
TM-80M1-4	0.55	0.75	2.71	1.57	1.44	1390	71.0	0.75	5.2	2.4	2.3	58	15
TM-80M2-4	0.75	1	3.51	2.03	1.86	1390	73.0	0.76	6.0	2.3	2.3	58	16
TM-90S-4	1.1	1.5	4.99	2.89	2.65	1400	75.0	0.77	6.0	2.3	2.3	61	23
TM-90L-4	1.5	2	6.39	3.70	3.39	1400	78.0	0.79	6.0	2.3	2.3	61	25
TM-100L1-4	2.2	3	8.91	5.16	4.72	1430	80.0	0.81	7.0	2.3	2.3	64	33
TM-100L2-4	3.0	4	11.7	6.78	6.21	1430	82.0	0.82	7.0	2.3	2.3	64	35
TM-112M-4	4.0	5.5	15.2	8.80	8.06	1440	84.0	0.82	7.0	2.3	2.3	65	41
TM-132S-4	5.5	7.5	20.2	11.7	10.7	1440	85.0	0.83	7.0	2.3	2.3	71	65
TM-132M-4	7.5	10	26.9	15.6	14.3	1440	87.0	0.84	7.0	2.3	2.3	71	76
TM-160M-4	11.0	15	38.5	22.3	20.4	1460	88.0	0.84	7.0	2.2	2.3	75	118
TM-160L-4	15.0	20	52.0	30.1	27.6	1460	89.0	0.85	7.5	2.2	2.3	75	132
TM-180M-4	18.5	25	63.0	36.5	33.4	1470	90.5	0.86	7.5	2.2	2.3	76	164
TM-180L-4	22	30	74.6	43.2	39.6	1470	91.0	0.86	7.5	2.2	2.3	76	182
TM-200L-4	30	40	99.5	57.6	52.7	1470	92.0	0.86	7.2	2.2	2.3	79	245
TM-225S-4	37	50	121	69.9	64.0	1480	92.5	0.87	7.2	2.2	2.2	81	258
TM-225M-4	45	60	146	84.7	77.6	1480	92.8	0.87	7.2	2.2	2.2	81	290
TM-250M-4	55	75	178	103	94.3	1480	93.0	0.87	7.2	2.2	2.2	83	388
TM-280S-4	75	100	242	140	128	1480	93.8	0.87	7.2	2.2	2.2	86	510
TM-280M-4	90	125	288	167	153	1490	94.2	0.87	7.2	2.2	2.2	86	606
TM-315S-4	110	150	347	201	184	1490	94.5	0.88	6.9	2.1	2.1	93	910
TM-315M-4	132	180	415	240	220	1490	94.8	0.88	6.9	2.1	2.1	93	1000
TM-315L1-4	160	220	496	287	263	1490	94.9	0.89	6.9	2.1	2.1	97	1055
TM-315L2-4	200	270	620	359	329	1490	95.0	0.89	6.9	2.1	2.1	97	1128
TM-355M-4	250	340	765	443	406	1490	95.3	0.90	6.9	2.1	2.1	101	1700
TM-355L-4	315	420	960	556	509	1490	95.6	0.90	6.9	2.1	2.1	101	1900

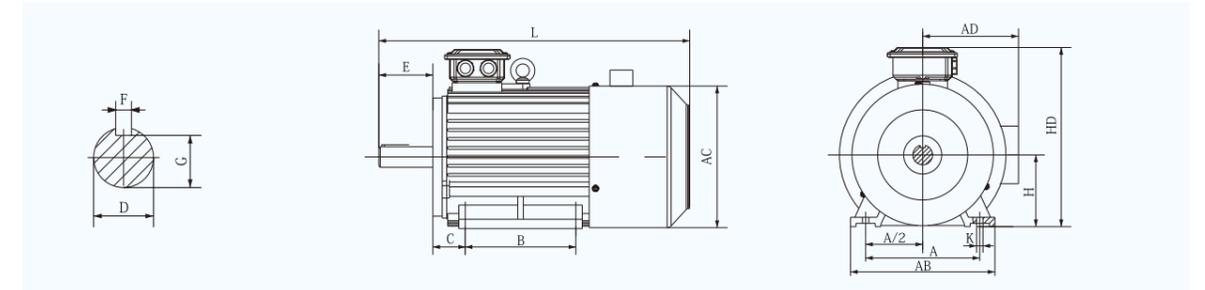
50 HZ, 1000 RPM (6 Pole)

Model	Rated Power		Current [A]			Speed [rpm]	Eff. [%]	Power Factor [cos φ]	Locked Current/ Rated Current	Locked Torque/ Rated Torque	Max. Torque/ Rated Torque	Noise dB[A]	Weight [Kg]
	[Kw]	[Hp]	220 V	380 V	415 V								
TM-71M1-6	0.18	0.24	1.28	0.74	0.68	865	56.0	0.66	4.0	1.9	2.0	52	14
TM-71M2-6	0.25	0.33	1.64	0.95	0.87	865	59.0	0.68	4.0	1.9	2.0	52	14.5
TM-80M1-6	0.37	0.5	2.25	1.30	1.19	885	62.0	0.7	4.7	1.9	2.0	54	15
TM-80M2-6	0.55	0.75	3.09	1.79	1.64	885	65.0	0.72	4.7	1.9	2.1	54	16
TM-90S-6	0.75	1	3.96	2.29	2.10	915	69.0	0.72	5.5	2.0	2.1	57	19
TM-90L-6	1.1	1.5	5.49	3.18	2.92	915	72.0	0.73	5.5	2.0	2.1	57	22
TM-100L-6	1.5	2	6.81	3.94	3.62	920	76.0	0.75	5.5	2.0	2.1	61	32
TM-112M-6	2.2	3	9.67	5.60	5.14	940	79.0	0.76	6.5	2.0	2.1	65	41
TM-132S-6	3.0	4	12.8	7.40	6.79	960	81.0	0.76	6.5	2.1	2.1	69	63
TM-132M1-6	4.0	5.5	16.9	9.80	9.00	960	82.0	0.76	6.5	2.1	2.1	69	72
TM-132M2-6	5.5	7.5	22.3	12.9	11.8	960	84.0	0.77	6.5	2.1	2.1	69	81
TM-160M-6	7.5	10	29.4	17.0	15.6	970	86.0	0.78	6.5	2.0	2.1	73	118
TM-160L-6	11.0	15	41.8	24.2	22.2	970	87.5	0.81	7.0	2.0	2.1	73	145
TM-180L-6	15	20	54.6	31.6	29.0	970	89.0	0.81	7.0	2.0	2.1	73	178
TM-200L1-6	18.5	25	66.7	38.6	35.4	975	90.0	0.83	7.0	2.1	2.1	76	200
TM-200L2-6	22	30	77.2	44.7	41.0	975	90.0	0.84	7.0	2.1	2.1	76	228
TM-225M-6	30	40	102	59.3	54.4	980	91.5	0.86	7.0	2.0	2.1	76	265
TM-250M-6	37	50	123	71.0	65.2	980	92.0	0.86	7.0	2.1	2.1	78	370
TM-280S-6	45	60	149	86.0	78.9	980	92.5	0.86	7.0	2.1	2.0	80	490
TM-280M-6	55	75	181	105	96.4	980	92.8	0.86	7.0	2.1	2.0	80	540
TM-315S-6	75	100	244	141	129	990	93.5	0.86	7.0	2.0	2.0	85	900
TM-315M-6	90	125	292	169	155	990	93.8	0.86	7.0	2.0	2.0	85	980
TM-315L1-6	110	150	356	206	189	990	94.0	0.86	6.7	2.0	2.0	85	1045
TM-315L2-6	132	180	421	244	224	990	94.2	0.87	6.7	2.0	2.0	85	1100
TM-355M1-6	160	220	504	292	268	990	94.5	0.88	6.7	1.9	2.0	92	1440
TM-355M2-6	200	270	630	365	335	990	94.7	0.88	6.7	1.9	2.0	92	1620
TM-355L-6	250	340	786	455	418	990	94.9	0.88	6.7	1.9	2.0	92	1740

50 HZ, 750 RPM (8 Pole)

Model	Rated Power		Current [A]			Speed [rpm]	Eff. [%]	Power Factor [cos φ]	Locked Current/ Rated Current	Locked Torque/ Rated Torque	Max. Torque/ Rated Torque	Noise dB[A]	Weight [Kg]
	[Kw]	[Hp]	220 V	380 V	415 V								
TM-80M1-8	0.18	0.24	1.52	0.88	0.81	630	51.0	0.61	3.3	1.8	1.9	525	22
TM-80M2-8	0.25	0.33	1.99	1.15	1.05	640	54.0	0.61	3.3	1.8	1.9	52	24
TM-90S-8	0.37	0.5	2.57	1.49	1.36	660	62.0	0.61	4.0	1.8	1.9	56	26
TM-90L-8	0.55	0.75	3.77	2.18	2.00	660	63.0	0.61	4.0	1.8	2.0	56	28
TM-100L1-8	0.75	1	3.75	2.17	1.99	690	71.0	0.67	4.0	1.8	2.0	59	30
TM-100L2-8	1.1	1.5	4.13	2.39	2.19	690	73.0	0.69	5.0	1.8	2.0	59	32
TM-112M-8	1.5	2	7.77	4.50	4.12	680	75.0	0.69	5.0	1.8	2.0	61	40
TM-132S-8	2.2	3	10.4	6.00	5.49	710	78.0	0.71	6.0	1.8	2.0	64	64
TM-132M-8	3.0	4	13.6	7.90	7.23	710	79.0	0.73	6.0	1.8	2.0	64	78
TM-160M1-8	4.0	5.5	17.8	10.3	9.43	720	81.0	0.73	6.0	1.9	2.0	68	105
TM-160M2-8	5.5	7.5	23.5	13.6	12.5	720	83.0	0.74	6.0	2.0	2.0	68	115
TM-160L-8	7.5	10	30.7	17.8	16.3	720	85.5	0.75	6.0	2.0	2.0	68	145
TM-180L-8	11	15	43.4	25.1	23.0	730	87.5	0.76	6.6	2.0	2.0	70	160
TM-200L-8	15	20	58.9	34.1	31.2	730	88.0	0.76	6.6	2.0	2.0	73	228
TM-225S-8	18.5	25	70.1	40.6	37.2	730	90.0	0.76	6.6	1.9	2.0	73	242
TM-225M-8	22	30	81.9	47.4	43.4	740	90.5	0.78	6.6	1.9	2.0	73	265
TM-250M-8	30	40	111	64	58.6	740	91.0	0.79	6.6	1.9	2.0	75	368
TM-280S-8	37	50	135	78	71.4	740	91.5	0.79	6.6	1.9	2.0	75	472
TM-280M-8	45	60	162	94	86.1	740	92.0	0.79	6.6	1.9	2.0	75	538
TM-315S-8	55	75	192	111	102	740	92.8	0.81	6.6	1.8	2.0	82	900
TM-315M-8	75	100	261	151	138	740	93.0	0.81	6.6	1.8	2.0	82	1000
TM-315L1-8	90	125	307	178	163	740	93.8	0.82	6.6	1.8	2.0	82	1005
TM-315L2-8	110	150	375	217	199	740	94.0	0.82	7.2	1.8	2.0	82	1118
TM-355M1-8	132	180	451	261	239	740	93.7	0.82	7.2	1.8	2.0	90	2000
TM-355M2-8	160	220	544	315	288	740	94.2	0.82	7.2	1.8	2.0	90	2150
TM-355L-8	200	270	670	388	355	740	94.5	0.83	7.2	1.8	2.0	90	2250

FRAME WITH FEET AND END-SHIELD WITHOUT FLANGE (IM B3)



Frame size	Pole	Mounting dimensions(mm)									Overall dimensions(mm)				
		A	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L
63M	2,4	100	80	40	11	23	4	8.5	63	7	135	130	70	180	230
71M	2,4,6	112	90	45	14	30	5	11	71	7	150	145	80	195	255
80M	2,4,6,8	125	100	50	19	40	6	15.5	80	10	165	175	145	220	295
90S	2,4,6,8	140	100	56	24	50	8	20	90	10	180	195	155	250	320
90L	2,4,6,8	140	125	56	24	50	8	20	90	10	180	195	155	250	345
100L	2,4,6,8	160	140	63	28	60	8	24	100	12	205	215	180	270	385
112M	2,4,6,8	190	140	70	28	60	8	24	112	12	230	240	190	300	400
132S	2,4,6,8	216	140	89	38	80	10	33	132	12	270	275	210	345	470
132M	2,4,6,8	216	178	89	38	80	10	33	132	12	270	275	210	345	510
160M	2,4,6,8	254	210	108	42	110	12	37	160	14.5	320	330	255	420	615
160L	2,4,6,8	254	254	108	42	110	12	37	160	14.5	330	330	255	420	670
180M	2,4,6,8	279	241	121	48	110	14	42.5	180	14.5	355	380	280	455	700
180L	2,4,6,8	279	279	121	48	110	14	42.5	180	14.5	355	380	280	455	740
200L	2,4,6,8	318	305	133	55	110	16	49	200	18.5	395	420	305	505	770
225S	4,6,8	356	285	149	60	140	18	53	225	18.5	435	470	335	560	815
225M	2	356	311	149	55	110	16	49	225	18.5	435	470	335	560	820
225M	4,6,8	356	311	149	60	140	18	53	225	18.5	435	470	335	560	845
250M	2	406	349	168	60	140	18	53	250	24	490	510	370	615	910
250M	4,6,8	406	349	168	65	140	18	58	250	24	490	510	370	615	910
280S	2	457	368	190	65	140	18	58	280	24	550	580	410	680	985
280S	4,6,8	457	368	190	75	140	20	67.5	280	24	550	580	410	680	985
280M	2	457	419	190	65	140	18	58	280	24	550	580	410	680	1035
280M	4,6,8	457	419	190	75	140	20	67.5	280	24	550	580	410	680	1035
315S	2	508	406	216	65	140	18	58	315	28	635	645	530	845	1240
315S	4,6,8	508	406	216	80	170	22	71	315	28	635	645	530	845	1270
315M	2	508	457	216	65	140	18	58	315	28	635	645	530	845	1350
315M	4,6,8	508	457	216	80	170	22	71	315	28	635	645	530	845	1380
315L	2	508	508	216	65	140	18	58	315	28	635	645	530	845	1350
315L	4,6,8	508	508	216	80	170	22	71	315	28	635	645	530	845	1380
355M	2	610	560	254	75	140	20	67.5	355	28	730	710	655	1010	1500
355M	4,6,8	610	560	254	95	170	25	86	355	28	730	710	655	1010	1530
355L	2	610	630	254	75	140	20	67.5	355	28	730	710	655	1010	1500
355L	4,6,8	610	630	254	95	170	25	86	355	28	730	710	655	1010	1530