



Providing You Revolutionary Solutions

AT & CT Series



EFF2

Three-Phase

TEFC

Induction Motors

Founded in 1981, **Att** Electric & Machinery is a premier induction motor manufacturer started up by a group of veterans determined to provide solutions for every customer's motoring needs. Our expertise in manufacturing tailor-made motors for usage under special conditions is an assurance of customizability coupled with high performance. Under the ever-changing market environment, we are committed to constant innovation, offering you top quality products and first-class customer service.

Att is a worldwide supplier of electrical motors, parts and services in the industrial equipment sector. Our clients include distributors, original equipment manufacturers and end users in more than 70 countries. Driven by your specific requirements, we guarantee original electrical and mechanical solutions at competitive prices, for numerous applications in various markets, such as industrial automation, construction, agricultural, electrical, engineering and consumer applications.

Headquartered in Singapore, **Att** currently has full-fledged associates and distributors in Malaysia, Indonesia, China, Vietnam, Sri Lanka, Hong Kong, Myanmar and the Middle East. We are rapidly expanding and consolidating a strong foothold in the global market. With excellent technical and organisational expertise, we will definitely be available to fulfil your expectations promptly, regardless of your location.



ATT's Standard AT series comprises of three-phase, Totally Enclosed Fan Cooled (TEFC), squirrel caged aluminium induction motors, with IEC frame sizes ranging from 63 to 132. AT motors are equipped with an added feature of a removable foot mount.



The CT series comprises of three-phase, Totally Enclosed Fan cooled (TEFC) cast-iron induction motors, with a wide IEC frame size range from 63 to 450. All standard ATT motors are highly efficient and all-purpose, suitable for general applications in machines such as fans, pumps, electric power packs and many more.

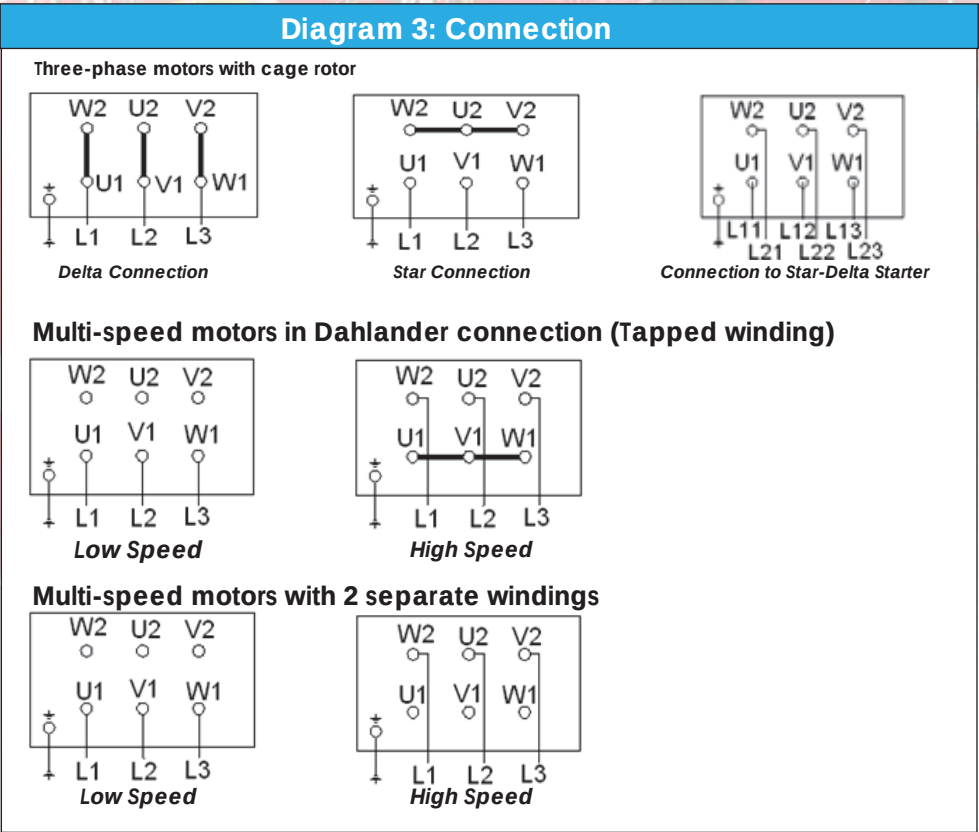
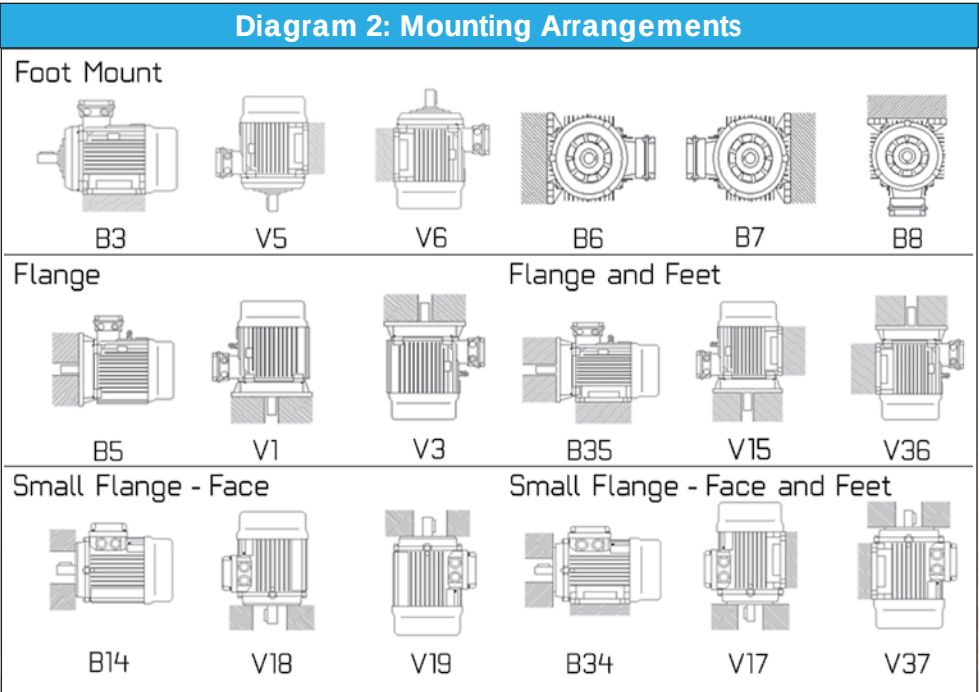
STANDARD SPECIFICATION AND FEATURES OF AN ATT MOTOR

Item	Standard Specifications
Type of electric motor	Totally enclosed fan cooling squirrel cage induction motor
Design standards	BS 4999, BS 5000, IEC 60034, IEC 60072
Voltage and frequency	Standard motors available : 220-240V/380-415V/50Hz for 2.2kW & below 380-415V/660-720V/50Hz for 3kW & above Other voltages such as 200V, 346V, 440V, 460V & 60Hz etc can be supplied on request
Power conditions	± 10% of rated voltage
Time duty	Continuous S1 duty
Cooling method	Self external fan, surface cooling (IC 411)
Method of starting	Full voltage direct on line starting or star-delta starting
Mounting	Horizontal foot mounting, flange mounting : B3 ; B5 ; B14 ; B34 ; B35 ; V1
Stator insulation	Class F insulation; Class B temperature rise
Rotor winding	Squirrel cage, aluminum conductor with end-ring and wafer blades integrally cast
Environmental conditions	Place : Shaded, non-hazardous Ambient temperature : -20°C to 40°C Relative humidity : Less than 90% RH (non-condensation) Altitude : Less than 1,000m
Direction of rotation	Standard motors are suitable for operation in either direction of rotation. Direction of rotation of motor can be reversed by interchanging any two phases
Test procedure	IEC and full voltage measuring starting operation
Shaft	Carbon steel, round shaft with key
Bearing	Motors of frame sizes 160 and below are fitted with life-lubricated bearings Motors of frame sizes 180 and above are fitted with open bearings and regreasing device
Painting	Phenolic rust-proof base plus lacquer surface finish; Painting in blue colour
Nameplate	Stainless steel or aluminium
Grounding terminal	Set inside the terminal box
Fan Cover	Pressed Steel
Lubrication	Lithium-base grease (Shell Alvania R3)

Motors can be customized in accordance to customers' requirements:

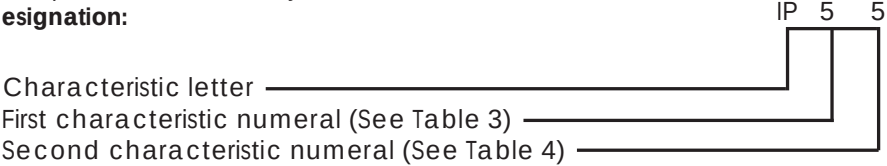
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|---------------------------|---|---|
| 1. IP56 | 7. Corrosion-proof | 13. Grease relief for frames down to 100L |
| 2. IP66 | 8. PTC thermister for heater thermal protection | 14. Sun canopy |
| 3. Class H Insulation | 9. Anti-condensation heater | 15. Brake motor |
| 4. Multi-speed | 10. Special shaft extension | 16. TENV motors |
| 5. Special paint finished | 11. Inverter duty application | 17. Extend lead wire |
| 6. Special volt/hz | 12. Double ended shaft | 18. High temp resistance |

Table 1: Vibration						
Frame size	≤ 132	≤ 132	> 132 - 225	> 132 - 225	> 225 - 355	> 225 - 355
Synchronous speed	600 - 1800	> 1800 - 3600	600 - 1800	> 1800 - 3600	600 - 1800	> 1800 - 3600
Vibration class	Effective value of vibration speed mm/s					
N	1.8	1.8	2.8	2.8	3.5	3.5
R	0.71	1.12	1.12	1.8	1.8	2.8
S	0.45	0.71	0.71	1.12	1.12	1.8
Standard motors are designed to vibration class N(normal), vibration class R(reduced) and class S(special) are available on request.						



All ATT motors comply to the international standard IEC60034-5. This standard specifies the Degree of Protection of each electric equipment, commonly known as the "IP" code.
Which degree of protection best suits your needs?

Example of designation:



First characteristic numeral:
The first characteristic numeral indicates the degree of protection provided to different parts of the machine within the enclosure.

First characteristic numeral	Degree of protection	
	Brief description	Definition
5	Dust-protected machine	Foreign objects are unable to enter the enclosure. Ingress of dust is not totally prevented but dust does not enter in sufficient quantity to interfere with satisfactory operation of the machine.
6	Dust-tight machine	Ingress of dust totally prevented.

Table 4: Degrees of protection indicated by the first characteristic numeral

Second characteristic numeral	Degree of protection	
	Brief description	Definition
5	Machine protected against water jet	Water projected by a nozzle against the machine from any direction shall have no harmful effect.
6	Machine protected against heavy seas	Water from heavy seas or water projected in powerful jets shall not enter the machine in harmful quantities.

Table 5: Degrees of protection indicated by the second characteristic numeral

Note: standard level of protection for all ATT motors is IP55 as a minimum. Higher levels of protection are available as request.

Bearing size		
Frame	DE	NDE
56	6201ZZC3	6201ZZC3
63	6201ZZC3	6201ZZC3
71	6202ZZC3	6202ZZC3
80	6204ZZC3	6204ZZC3
90	6205ZZC3	6205ZZC3
100	6206ZZC3	6206ZZC3
112	6306ZZC3	6306ZZC3
132	6308ZZC3	6308ZZC3
160	6309C3	6309C3
180	6311C3	6311C3
200	6312C3	6312C3
225	6313C3	6313C3
250	6314C3	6314C3
280 2P	6314C3	6314C3
280 4P-8P	6316C3	6316C3
315 2P (Horizontal)	6316C3	6316C3
315 2P (Vertical)	6316C3	7316
315 4P-8P (Horizontal)	NU319C3	6319C3
315 4P-8P (Vertical)	NU319C3	7319
355 2P (Horizontal)	6319C3	6319C3
355 2P (Vertical)	6319C3	7319
355 4P-8P (Horizontal)	NU322C3	6322C3
355 4P-8P (Vertical)	NU322C3	7322

Table 6: Bearing Sizes

AT Performance Data 50Hz

Synchronous speed (2Pole/3000rpm, 4Pole/1500rpm, 6Pole/1000rpm, 8Pole/750rpm)

Rated Power		Pole	Model	Frame Size	Rated Speed (RPM)	IFL	IFL	IFL	Power Factor COSφ	Efficiency n %	IST	TFL	TST	TM	Moment of Inertia (Kgm²)	Weight (Kg)
KW	HP					380V (A)	400V (A)	415V (A)			IFL (Time)	(Nm)	(Time)	(Time)		
0.06	0.08	4	AT-040F06	56-1	1320	0.32	0.30	0.29	0.59	48.5	6.0	0.43	2.3	2.4	0.00006	3.0
0.09	0.12	2	AT-020F09	56-1	2670	0.37	0.35	0.34	0.65	57.0	6.0	0.32	2.2	2.4	0.00005	2.8
		4	AT-040F09	56-2	1320	0.45	0.43	0.41	0.61	50.0	6.0	0.65	2.3	2.4	0.00007	3.3
0.12	0.16	2	AT-020F12	56-2	2730	0.42	0.40	0.39	0.69	62.0	6.0	0.42	2.2	2.4	0.00006	3.2
		4	AT-040F12	63-1	1350	0.49	0.47	0.45	0.64	57.0	6.0	0.85	2.2	2.4	0.00012	3.9
0.18	0.25	2	AT-020F18	63-1	2710	0.58	0.55	0.53	0.75	63.0	6.0	0.63	2.2	2.4	0.00010	4.0
		4	AT-040F18	63-2	1350	0.72	0.68	0.66	0.65	59.0	6.0	1.27	2.2	2.4	0.00014	4.3
		6	AT-060F18	71-1	880	0.74	0.70	0.67	0.66	56.0	4.0	1.95	1.6	1.7	0.00043	6.0
		8	AT-080F18	80-1	680	0.88	0.84	0.81	0.61	51.0	2.8	2.53	1.5	1.7	0.00115	9.9
0.25	0.33	2	AT-020F25	63-2	2710	0.75	0.71	0.68	0.78	65.0	6.0	0.88	2.2	2.4	0.00011	4.4
		4	AT-040F25	71-1	1350	0.88	0.84	0.81	0.72	60.0	6.0	1.77	2.2	2.4	0.00042	5.4
		6	AT-060F25	71-2	900	0.92	0.87	0.84	0.70	59.0	4.0	2.65	2.1	2.2	0.00047	6.5
		8	AT-080F25	80-2	680	1.12	1.06	1.02	0.61	56.0	2.7	3.51	1.6	2.0	0.00126	10.9
0.37	0.5	2	AT-020F37	71-1	2730	1.11	1.05	1.01	0.78	65.0	6.0	1.29	2.2	2.4	0.00035	5.6
		4	AT-040F37	71-2	1370	1.17	1.11	1.07	0.74	65.0	6.0	2.58	2.2	2.4	0.00047	6.2
		6	AT-060F37	80-1	900	1.29	1.23	1.19	0.70	62.0	4.0	3.93	1.9	1.9	0.00127	8.2
		8	AT-080F37	90S	680	1.42	1.35	1.30	0.63	63.0	2.8	5.20	1.6	1.8	0.00316	14.8
0.55	0.75	2	AT-020F55	71-2	2760	1.49	1.42	1.37	0.79	71.0	6.0	1.90	2.2	2.4	0.00040	6.1
		4	AT-040F55	80-1	1370	1.66	1.58	1.52	0.75	67.0	6.0	3.84	2.2	2.4	0.00115	9.0
		6	AT-060F55	80-2	900	1.74	1.65	1.59	0.72	67.0	4.0	5.84	2.0	2.3	0.00139	9.9
		8	AT-080F55	90L	680	1.95	1.85	1.78	0.65	66.0	3.0	7.73	1.6	1.8	0.00379	17.2
0.75	1	2	AT-020F75	80-1	2770	1.86	1.77	1.71	0.84	73.0	6.0	2.59	2.2	2.4	0.00092	9.1
		4	AT-040F75	80-2	1380	2.03	1.93	1.86	0.78	72.0	6.0	5.19	2.2	2.4	0.00126	10.0
		6	AT-060F75	90S	920	2.29	2.18	2.10	0.72	69.0	5.5	7.79	2.2	2.2	0.00316	11.7
		8	AT-080F75	100LA	710	2.58	2.45	2.36	0.67	66.0	3.5	10.09	1.7	2.1	0.00431	17.5
1.1	1.5	2	AT-021F10	80-2	2770	2.64	2.51	2.42	0.83	76.2	6.0	3.79	2.2	2.4	0.00099	10.2
		4	AT-041F10	90S	1400	2.78	2.64	2.54	0.79	76.2	6.0	7.50	2.2	2.4	0.00276	12.1
		6	AT-061F10	90L	925	3.18	3.02	2.91	0.73	72.0	5.5	11.36	2.2	2.2	0.00379	15.1
		8	AT-081F10	100LB	710	3.37	3.20	3.08	0.69	72.0	3.5	14.80	1.7	2.1	0.00510	19.7
1.5	2	2	AT-021F50	90S	2840	3.45	3.28	3.16	0.84	78.5	6.0	5.05	2.2	2.4	0.00246	12.0
		4	AT-041F50	90L	1400	3.63	3.45	3.33	0.80	78.5	6.0	10.24	2.2	2.4	0.00328	14.6
		6	AT-061F50	100L	945	4.05	3.85	3.71	0.76	74.0	6.0	15.17	2.2	2.2	0.00461	19.1
		8	AT-081F50	112M	710	4.53	4.30	4.14	0.68	74.0	4.2	20.19	1.8	2.1	0.00695	25.6
2.2	3	2	AT-022F20	90L	2840	4.85	4.61	4.44	0.85	81.0	6.0	7.40	2.2	2.4	0.00282	15.0
		4	AT-042F20	100LA	1420	5.09	4.84	4.67	0.81	81.0	7.0	14.80	2.2	2.3	0.00542	21.0
		6	AT-062F20	112M	955	5.64	5.36	5.17	0.76	78.0	6.0	22.00	2.2	2.2	0.00695	25.4
		8	AT-082F20	132S	720	6.27	5.96	5.74	0.71	75.0	5.5	29.20	2.0	2.0	0.01291	35.5
3	4	2	AT-020003	100L	2840	6.35	6.03	5.81	0.87	82.6	7.0	10.10	2.2	2.3	0.00293	22.3
		4	AT-040003	100LB	1420	6.81	6.47	6.24	0.81	82.6	7.0	20.19	2.2	2.3	0.00670	24.7
		6	AT-060003	132S	960	7.59	7.21	6.95	0.76	79.0	6.5	29.86	2.0	2.0	0.01291	36.1
		8	AT-080003	132M	720	8.11	7.70	7.42	0.73	77.0	5.5	39.81	2.0	2.0	0.01608	45.0
3.7	5	2	AT-023F70	112M	2880	7.68	7.30	7.04	0.87	84.2	7.5	12.30	2.2	2.3	0.00302	26.7
		4	AT-043F70	112M	1430	8.04	7.64	7.36	0.83	85.0	7.0	24.72	2.2	2.2	0.00942	30.5
		6	AT-063F70	132MA	960	9.19	8.73	8.41	0.76	81.0	6.5	36.83	2.0	2.0	0.01608	45.0
4	5.5	2	AT-020004	112M	2880	8.29	7.88	7.60	0.87	84.2	7.5	13.30	2.2	2.3	0.00302	26.7
		4	AT-040004	112M	1430	8.69	8.26	7.96	0.83	84.2	7.0	26.73	2.2	2.2	0.00942	30.5
		6	AT-060004	132MA	960	9.94	9.44	9.10	0.76	81.0	6.5	39.81	2.0	2.0	0.01608	45.0
5.5	7.5	2	AT-025F50	132SA	2900	11.08	10.53	10.15	0.88	85.7	7.5	18.10	2.0	2.2	0.00650	38.5
		4	AT-045F50	132S	1450	11.61	11.03	10.63	0.84	85.7	7.0	36.24	2.2	2.2	0.02950	40.4
		6	AT-065F50	132MB	960	13.07	12.42	11.97	0.77	83.0	6.5	54.74	2.0	2.0	0.01917	55.5
7.5	10	2	AT-027F50	132SB	2920	14.88	14.14	13.63	0.88	87.0	7.5	24.50	2.0	2.2	0.00784	42.2
		4	AT-047F50	132M	1450	15.41	14.64	14.11	0.85	87.0	7.0	49.42	2.2	2.2	0.02960	49.6

Note : 1. IFL = Full load current ; IST = Locked rotor current ; TFL = Full load torque ; TST = Locked rotor torque ; TM = Maximum torque
2. Tolerance according to IEC 60034-1
3. The data above is based on 400V design, 380V and 415V data is the reference value.
4. Data subject to change without notice

AT Performance Data 60Hz

Synchronous speed (2Pole/3600rpm, 4Pole/1800rpm, 6Pole/1200rpm, 8Pole/900rpm)

Rated Power		Pole	Model	Frame Size	Rated Speed (RPM)	IFL 440V	IFL 460V	IFL 480V	Power Factor COSφ	Efficiency n %	IST	TFL (Nm)	TST	TM	Moment of Inertia (Kgm²)	Weight (Kg)
KW	HP					(A)	(A)	(A)			IFL (Time)		(Time)	(Time)		
0.06	0.08	4	AT-040F06	56-1	1584	0.22	0.21	0.21	0.59	48.5	6.0	0.36	2.3	2.4	0.00006	3.0
0.09	0.12	2	AT-020F09	56-1	3204	0.28	0.26	0.25	0.65	57.0	6.0	0.27	2.2	2.4	0.00005	2.8
		4	AT-040F09	56-2	1584	0.30	0.29	0.28	0.61	50.0	6.0	0.54	2.3	2.4	0.00007	3.3
0.12	0.16	2	AT-020F12	56-2	3276	0.36	0.35	0.33	0.69	62.0	6.0	0.35	2.2	2.4	0.00006	3.2
		4	AT-040F12	63-1	1620	0.41	0.40	0.38	0.64	57.0	6.0	0.71	2.2	2.4	0.00012	3.9
0.18	0.25	2	AT-020F18	63-1	3252	0.48	0.45	0.44	0.75	63.0	6.0	0.53	2.2	2.4	0.00010	4.0
		4	AT-040F18	63-2	1644	0.64	0.61	0.59	0.65	59.0	6.0	1.05	2.2	2.4	0.00014	4.3
		6	AT-060F18	71-1	1056	0.66	0.63	0.60	0.66	56.0	4.0	1.63	1.6	1.7	0.00043	6.0
		8	AT-080F18	80-1	816	1.00	0.96	0.92	0.61	51.0	2.8	2.11	1.5	1.7	0.00115	9.9
0.25	0.33	2	AT-020F25	63-2	3252	0.64	0.61	0.59	0.78	65.0	6.0	0.73	2.2	2.4	0.00011	4.4
		4	AT-040F25	71-1	1620	0.73	0.70	0.67	0.72	60.0	6.0	1.47	2.2	2.4	0.00042	5.4
		6	AT-060F25	71-2	1080	0.83	0.79	0.76	0.70	59.0	4.0	2.21	2.1	2.2	0.00047	6.5
		8	AT-080F25	80-2	816	1.22	1.16	1.12	0.61	56.0	2.7	2.93	1.6	2.0	0.00126	10.9
0.37	0.5	2	AT-020F37	71-1	3276	0.95	0.91	0.87	0.78	65.0	6.0	1.08	2.2	2.4	0.00035	5.6
		4	AT-040F37	71-2	1644	1.09	1.04	1.00	0.74	65.0	6.0	2.15	2.2	2.4	0.00047	6.2
		6	AT-060F37	80-1	1044	1.17	1.12	1.07	0.70	62.0	4.0	3.39	1.9	1.9	0.00127	8.2
		8	AT-080F37	90S	816	1.49	1.43	1.37	0.63	63.0	2.8	4.33	1.6	1.8	0.00316	14.8
0.55	0.75	2	AT-020F55	71-2	3312	1.30	1.24	1.19	0.79	71.0	6.0	1.59	2.2	2.4	0.00040	6.1
		4	AT-040F55	80-1	1668	1.59	1.52	1.46	0.75	67.0	6.0	3.15	2.2	2.4	0.00115	9.0
		6	AT-060F55	80-2	1080	1.90	1.82	1.74	0.72	67.0	4.0	4.87	2.0	2.3	0.00139	9.9
		8	AT-080F55	90L	816	1.99	1.90	1.82	0.65	66.0	3.0	6.44	1.6	1.8	0.00379	17.2
0.75	1	2	AT-020F75	80-1	3324	1.66	1.59	1.52	0.84	73.0	6.0	2.16	2.2	2.4	0.00092	9.1
		4	AT-040F75	80-2	1656	1.81	1.73	1.66	0.78	72.0	6.0	4.33	2.2	2.4	0.00126	10.0
		6	AT-060F75	90S	1104	2.07	1.98	1.90	0.72	69.0	5.5	6.49	2.2	2.2	0.00316	11.7
		8	AT-080F75	100LA	852	2.16	2.07	1.98	0.67	66.0	3.5	8.41	1.7	2.1	0.00431	17.5
1.1	1.5	2	AT-021F10	80-2	3324	2.33	2.23	2.14	0.83	76.2	6.0	3.16	2.2	2.4	0.00099	10.2
		4	AT-041F10	90S	1680	2.66	2.54	2.44	0.79	76.2	6.0	6.26	2.2	2.4	0.00276	12.1
		6	AT-061F10	90L	1110	2.94	2.81	2.69	0.73	72.0	5.5	9.47	2.2	2.2	0.00379	15.1
		8	AT-081F10	100LB	852	3.28	3.14	3.01	0.69	72.0	3.5	12.34	1.7	2.1	0.00510	19.7
1.5	2	2	AT-021F50	90S	3408	3.02	2.89	2.77	0.84	78.5	6.0	4.21	2.2	2.4	0.00246	12.0
		4	AT-041F50	90L	1680	3.28	3.14	3.01	0.80	78.5	6.0	8.53	2.2	2.4	0.00328	14.6
		6	AT-061F50	100L	1134	3.63	3.47	3.33	0.76	74.0	6.0	12.64	2.2	2.2	0.00461	19.1
		8	AT-081F50	112M	852	4.40	4.21	4.04	0.68	74.0	4.2	16.82	1.8	2.1	0.00695	25.6
2.2	3	2	AT-022F20	90L	3372	4.54	4.35	4.16	0.85	81.0	6.0	6.23	2.2	2.4	0.00282	15.0
		4	AT-042F20	100LA	1716	4.65	4.44	4.26	0.81	81.0	7.0	12.25	2.2	2.3	0.00542	21.0
		6	AT-062F20	112M	1146	5.01	4.79	4.59	0.76	78.0	6.0	18.34	2.2	2.2	0.00695	25.4
		8	AT-082F20	132S	864	6.05	5.78	5.54	0.70	75.0	5.5	24.33	2.0	2.0	0.01291	35.5
3	4	2	AT-020003	100L	3408	5.61	5.37	5.15	0.86	82.6	7.0	8.41	2.2	2.3	0.00293	22.3
		4	AT-040003	100LB	1704	5.87	5.62	5.38	0.81	82.6	7.0	16.82	2.2	2.3	0.00670	24.7
		6	AT-060003	132S	1152	6.56	6.28	6.02	0.76	79.0	6.5	24.88	2.0	2.0	0.01291	36.1
		8	AT-080003	132M	864	6.91	6.61	6.33	0.74	77.0	5.5	33.18	2.0	2.0	0.01608	45.0
3.7	5	2	AT-023F70	112M	3456	7.10	6.79	6.51	0.87	84.2	7.5	10.23	2.2	2.3	0.00302	26.7
		4	AT-043F70	112M	1740	7.27	6.96	6.67	0.83	85.0	7.0	20.32	2.2	2.2	0.00942	30.5
		6	AT-063F70	132MA	1152	8.55	8.18	7.84	0.73	80.0	6.5	30.69	2.0	2.0	0.01608	45.0
4	5.5	2	AT-020004	112M	3456	7.17	6.86	6.57	0.87	84.2	7.5	11.06	2.2	2.3	0.00302	26.7
		4	AT-040004	112M	1716	7.69	7.35	7.05	0.82	84.2	7.0	22.27	2.2	2.2	0.00942	30.5
		6	AT-060004	132MA	1152	8.64	8.26	7.92	0.76	81.0	6.5	33.18	2.0	2.0	0.01608	45.0
5.5	7.5	2	AT-025F50	132SA	3480	9.67	9.25	8.87	0.88	85.7	7.5	15.10	2.0	2.2	0.00650	38.5
		4	AT-045F50	132S	1728	10.00	9.57	9.17	0.84	85.7	7.0	30.14	2.2	2.2	0.02950	40.4
		6	AT-065F50	132MB	1152	11.40	10.90	10.45	0.77	83.0	6.5	45.62	2.0	2.0	0.01917	55.5
7.5	10	2	AT-027F50	132SB	3504	12.95	12.39	11.88	0.88	87.0	7.5	20.45	2.0	2.2	0.00784	42.2
		4	AT-047F50	132M	1740	13.65	13.05	12.51	0.84	87.0	7.0	41.19	2.2	2.2	0.02960	49.6

CT Performance Data 50Hz

Synchronous speed (2Pole/3000rpm, 4Pole/1500rpm, 6Pole/1000rpm, 8Pole/750rpm)

Rated Power		Pole	Model	Frame Size	Rated Speed (RPM)	IFL 380V (A)	IFL 400V (A)	IFL 415V (A)	Power Factor COSφ	Efficiency n %	IST	TFL (Nm)	TST (Time)	TM (Time)	Moment of Inertia (Kgm²)	Weight (Kg)
											IFL (Time)					
KW	HP															
0.18	0.25	6	CT-060F18	71-1	850	0.74	0.70	0.67	0.66	56.0	4.0	2.0	1.9	2.0	0.0009	14
		8	CT-080F18	80-1	630	0.88	0.84	0.81	0.61	51.2	2.9	2.8	2.0	2.2	0.0020	17
0.25	0.33	4	CT-040F25	71-1	1360	0.72	0.68	0.66	0.76	70.0	3.7	1.8	2.4	2.6	0.0011	14
		6	CT-060F25	71-2	850	0.95	0.90	0.87	0.68	59.0	4.0	2.8	1.9	2.0	0.0011	15
		8	CT-080F25	80-2	640	1.15	1.09	1.05	0.61	54.2	3.0	3.7	2.1	2.4	0.0030	19
0.37	0.5	2	CT-020F37	71-1	2750	1.02	0.97	0.93	0.78	70.0	4.3	1.3	2.2	2.4	0.0005	14
		4	CT-040F37	71-2	1345	1.11	1.11	1.02	0.74	71.3	3.7	2.6	2.4	2.5	0.0012	14
		6	CT-060F37	80-1	890	1.30	1.23	1.19	0.70	62.5	4.4	4.0	1.9	2.3	0.0015	17
		8	CT-080F37	90S	660	1.48	1.41	1.36	0.61	62.2	3.4	5.4	2.0	2.2	0.0040	23
0.55	0.75	2	CT-020F55	71-2	2760	1.49	1.42	1.36	0.79	71.0	4.9	1.9	2.5	2.6	0.0006	14
		4	CT-040F55	80-1	1390	1.60	1.50	1.43	0.75	71.4	5.5	3.8	2.2	2.4	0.0020	15
		6	CT-060F55	80-2	890	1.79	1.70	1.64	0.72	65.0	4.5	5.9	2.1	2.4	0.0030	18
		8	CT-080F55	90L	660	2.16	2.05	1.98	0.61	63.3	3.5	8.0	2.1	2.3	0.0040	25
0.75	1	2	CT-020F75	80-1	2840	1.80	1.70	1.67	0.83	75.5	5.5	2.5	2.3	2.6	0.0008	16
		4	CT-040F75	80-2	1390	2.10	2.00	1.90	0.76	73.5	5.6	5.2	2.2	2.4	0.0020	16
		6	CT-060F75	90S	910	2.29	2.18	2.10	0.72	69.1	4.1	7.9	2.3	2.7	0.0030	22
		8	CT-080F75	100L-1	690	2.41	2.29	2.21	0.67	70.5	3.5	10.4	2.0	2.2	0.0080	33
1.1	1.5	2	CT-021F10	80-2	2840	2.60	2.50	2.40	0.84	76.1	5.6	3.7	2.3	2.6	0.0009	17
		4	CT-041F10	90S	1400	2.90	2.80	2.70	0.77	76.2	5.4	7.5	2.2	2.5	0.0021	22
		6	CT-061F10	90L	910	3.18	3.02	2.91	0.73	72.0	4.6	11.5	2.3	2.7	0.0039	25
		8	CT-081F10	100L-2	690	3.35	3.18	3.07	0.69	72.4	3.6	15.2	2.2	2.4	0.0100	38
1.5	2	2	CT-021F50	90S	2850	3.40	3.20	3.10	0.85	79.5	6.1	5.0	2.5	2.9	0.0012	22
		4	CT-041F50	90L	1400	3.80	3.60	3.50	0.78	78.7	5.2	10.2	2.4	2.6	0.0030	25
		6	CT-061F50	100L	920	4.10	3.90	3.80	0.75	76.0	5.0	15.6	2.4	2.8	0.0070	33
		8	CT-081F50	112M	690	4.40	4.20	4.00	0.70	74.5	3.9	20.8	2.4	2.6	0.0170	42
2.2	3	2	CT-022F20	90L	2850	4.80	4.60	4.40	0.85	81.7	6.1	7.4	2.7	2.9	0.0014	25
		4	CT-042F20	100L-1	1420	5.10	4.80	4.70	0.81	81.0	6.0	14.8	2.3	2.6	0.0070	33
		6	CT-062F20	112M	940	5.57	5.29	5.10	0.76	79.1	5.2	22.4	2.1	2.5	0.0140	42
		8	CT-082F20	132S	710	5.90	5.60	5.40	0.71	79.3	4.3	29.6	2.3	2.5	0.0310	63
3	4	2	CT-020003	100L	2880	6.30	6.00	5.80	0.87	83.1	6.5	10.0	2.7	2.9	0.0039	33
		4	CT-040003	100L-2	1420	6.80	6.50	6.20	0.82	82.7	6.1	20.2	2.3	2.7	0.0070	37
		6	CT-060003	132S	960	7.40	7.00	6.80	0.76	81.3	5.6	29.9	1.9	2.5	0.0290	63
		8	CT-080003	132M	710	7.80	7.40	7.10	0.73	80.1	4.4	40.4	2.2	2.4	0.0400	72
3.7	5	2	CT-023F70	112M	2880	7.70	7.30	7.00	0.88	83.5	6.5	12.3	2.6	2.9	0.0055	43
		4	CT-043F70	112M	1440	8.14	7.77	7.49	0.82	84.5	6.5	26.5	2.3	2.8	0.0095	43
		6	CT-063F70	132M-1	960	9.00	8.51	8.23	0.76	82.3	6.2	39.8	2.1	2.7	0.0360	72
		8	CT-083F70	160M-1	720	9.40	9.00	8.60	0.73	81.6	4.4	53.1	2.2	2.5	0.0750	104
4	5.5	2	CT-020004	112M	2880	8.30	7.90	7.60	0.88	83.5	6.5	13.3	2.6	2.9	0.0055	43
		4	CT-040004	112M	1440	8.80	8.40	8.10	0.82	84.5	6.5	26.5	2.3	2.8	0.0095	43
		6	CT-060004	132M-1	960	9.75	9.26	8.93	0.76	82.3	6.2	39.8	2.1	2.7	0.0360	72
		8	CT-080004	160M-1	720	10.20	9.70	9.30	0.73	81.6	4.4	53.1	2.2	2.5	0.0750	104
5.5	7.5	2	CT-025F50	132S-1	2900	11.10	10.50	10.20	0.88	85.7	6.9	18.1	2.3	2.6	0.0109	64
		4	CT-045F50	132S	1440	11.70	11.10	10.70	0.83	85.7	6.8	36.5	2.3	2.9	0.0214	70
		6	CT-065F50	132M-2	960	12.80	12.20	11.70	0.77	84.7	6.5	54.7	2.3	2.8	0.0450	81
		8	CT-085F50	160M-2	720	13.60	12.90	12.50	0.74	83.3	5.0	73.0	2.2	2.4	0.0930	115
7.5	10	2	CT-027F50	132S-2	2900	14.90	14.20	13.50	0.88	87.2	6.9	24.5	2.5	2.8	0.0130	70
		4	CT-047F50	132M	1440	15.60	14.80	14.30	0.84	87.1	6.5	49.8	2.4	3.0	0.0296	78
		6	CT-067F50	160M	970	17.10	16.20	15.70	0.77	86.6	5.6	73.9	2.0	2.6	0.0880	114
		8	CT-087F50	160L	720	17.70	16.80	16.20	0.75	85.9	5.7	99.5	2.1	2.3	0.1260	132
11	15	2	CT-020011	160M-1	2930	21.10	20.10	19.40	0.89	88.7	6.7	35.8	2.6	2.9	0.0380	117
		4	CT-040011	160M	1460	22.50	21.40	20.60	0.84	88.6	6.9	72.0	2.3	2.9	0.0750	123
		6	CT-060011	160L	970	24.50	23.30	22.40	0.78	87.6	5.8	108.0	2.1	2.4	0.1160	138
		8	CT-080011	180L	730	25.40	24.10	23.30	0.75	87.8	5.6	144.0	2.3	2.5	0.2030	171
15	20	2	CT-020015	160M-2	2930	28.60	27.20	26.20	0.89	89.5	6.7	48.8	2.6	2.9	0.0450	125
		4	CT-040015	160L	1460	30.30	28.80	27.70	0.85	89.5	6.8	98.2	2.3	2.9	0.0920	144
		6	CT-060015	180L	970	31.60	30.00	28.90	0.81	89.0	5.7	148.0	2.0	2.4	0.2070	175
		8	CT-080015	200L	730	34.00	32.30	31.10	0.76	88.3	5.5	196.0	2.1	2.4	0.3390	239

Note : 1. IFL = Full load current ; IST = Locked rotor current ; TFL = Full load torque ; TST = Locked rotor torque ; TM = Maximum torque
2. Tolerance according to IEC 60034-1
3. The data above is based on 400V design, 380V and 415V data is the reference value.
4. Data subject to change without notice

CT Performance Data 50Hz

Synchronous speed (2Pole/3000rpm, 4Pole/1500rpm, 6Pole/1000rpm, 8Pole/750rpm)

Rated Power		Pole	Model	Frame Size	Rated Speed (RPM)	IFL	IFL	IFL	Power Factor COSφ	Efficiency n %	IST	TFL	TST	TM	Moment of Inertia (Kgm²)	Weight (Kg)
						380V (A)	400V (A)	415V (A)			IFL (Time)		TFL (Time)	TFL (Time)		
KW	HP											(Nm)	(Time)	(Time)		
18.5	25	2	CT-0218F5	160L	2930	34.60	32.90	31.80	0.90	90.2	6.8	60.4	2.5	2.8	0.0550	147
		4	CT-0418F5	180M	1470	36.20	34.40	33.10	0.86	90.2	6.4	120.2	2.3	2.9	0.1390	182
		6	CT-0618F5	200L-1	970	38.50	36.60	35.30	0.81	90.2	6.7	182.0	2.2	2.8	0.3150	240
		8	CT-0818F5	225S	730	41.00	39.00	37.50	0.76	90.2	5.6	242.0	2.2	2.6	0.4910	271
22	30	2	CT-020022	180M	2940	41.00	38.90	37.60	0.90	90.6	6.6	71.4	2.6	2.8	0.0760	180
		4	CT-040022	180L	1470	42.90	40.80	39.30	0.86	90.7	6.9	143.0	2.3	2.9	0.1580	190
		6	CT-060022	200L-2	970	44.70	42.50	40.90	0.83	90.2	6.6	217.0	2.3	2.9	0.3600	250
		8	CT-080022	225M	740	47.20	44.80	43.20	0.78	90.8	5.4	284.0	2.1	2.4	0.5470	299
30	40	2	CT-020030	200L-1	2950	55.40	52.60	50.70	0.90	91.5	6.5	97.2	2.5	2.7	0.1240	240
		4	CT-040030	200L	1470	57.50	54.60	52.70	0.86	92.1	6.8	195.0	2.4	2.9	0.2620	270
		6	CT-060030	225M	980	59.30	56.30	54.30	0.84	91.5	6.8	293.0	2.2	2.7	0.5470	314
		8	CT-080030	250M	740	63.30	60.10	58.00	0.79	91.2	5.3	387.3	2.2	2.5	0.8300	406
37	50	2	CT-020037	200L-2	2950	67.90	64.50	62.20	0.90	92.0	6.5	119.8	2.4	2.6	0.1390	255
		4	CT-040037	225S	1480	69.70	66.20	63.80	0.87	92.7	6.5	238.9	2.2	2.7	0.4060	318
		6	CT-060037	250M	980	70.10	66.60	64.20	0.86	92.2	6.2	361.0	2.0	2.5	0.8340	420
		8	CT-080037	280S	740	77.50	73.60	71.00	0.79	91.8	5.6	477.7	2.3	2.7	1.3900	507
45	60	2	CT-020045	225M	2970	82.10	78.00	75.30	0.90	92.5	6.8	145.0	2.4	2.6	0.2330	342
		4	CT-040045	225M	1480	84.50	80.30	77.40	0.87	93.0	6.3	290.5	2.3	2.5	0.4690	351
		6	CT-060045	280S	980	86.00	81.70	78.70	0.86	92.5	6.1	438.0	1.9	2.5	1.3900	505
		8	CT-080045	280M	740	94.10	89.40	86.20	0.79	92.0	5.2	581.0	2.1	2.8	1.6500	549
55	75	2	CT-020055	250M	2970	99.60	94.60	91.30	0.90	93.2	6.8	177.0	2.5	2.8	0.3120	444
		4	CT-040055	250M	1480	103.00	97.90	94.30	0.87	93.3	6.4	355.1	2.2	2.5	0.6600	468
		6	CT-060055	280M	985	105.00	99.80	96.10	0.86	92.9	6.7	536.0	2.1	2.7	1.6500	552
		8	CT-080055	315S	740	110.80	105.30	101.50	0.81	93.1	5.7	710.0	1.9	2.5	4.7900	860
75	100	2	CT-020075	280S	2970	134.80	128.10	123.50	0.90	93.9	6.7	241.0	2.4	2.7	0.5970	544
		4	CT-040075	280S	1480	138.10	131.20	126.50	0.88	93.8	6.8	484.0	2.1	2.8	1.1200	562
		6	CT-060075	315S	990	142.00	134.90	130.00	0.86	93.7	6.5	724.0	2.0	2.7	4.1100	880
		8	CT-080075	315M	740	150.10	142.60	137.40	0.81	93.7	5.9	968.3	2.1	2.8	5.5800	960
90	125	2	CT-020090	280M	2970	159.50	151.50	146.10	0.91	94.2	6.7	290.0	2.4	2.7	0.6750	606
		4	CT-040090	280M	1480	165.00	157.00	151.00	0.88	94.1	6.9	581.0	2.2	2.7	1.4600	667
		6	CT-060090	315M	990	170.00	161.50	155.70	0.86	93.9	6.2	869.0	2.0	2.6	4.2800	1020
		8	CT-080090	315L-1	740	177.40	168.50	162.40	0.82	94.0	6.2	1162.0	2.3	2.9	6.3700	1100
110	150	2	CT-020110	315S	2980	194.60	184.90	178.20	0.91	94.4	6.6	353.0	2.0	2.5	1.1800	980
		4	CT-040110	315S	1480	200.50	190.50	183.60	0.88	94.7	6.5	710.0	1.9	2.7	3.1100	1000
		6	CT-060110	315L-1	990	206.00	196.00	189.00	0.86	94.5	6.0	1062.0	1.9	2.7	5.4500	1100
		8	CT-080110	315L-2	740	216.00	206.00	198.00	0.82	94.2	6.0	1420.0	2.2	2.8	7.2300	1202
132	180	2	CT-020132	315M	2980	233.00	221.40	213.40	0.91	94.6	6.6	423.0	2.1	2.5	1.5500	1080
		4	CT-040132	315M	1480	240.00	228.00	220.00	0.88	95.0	6.8	852.0	2.3	3.2	3.2900	1100
		6	CT-060132	315L-2	990	244.00	232.00	223.00	0.87	94.6	5.8	1274.0	2.0	2.7	6.1200	1170
		8	CT-080132	355M-1	740	259.00	246.00	237.00	0.82	94.6	5.0	1704.0	1.9	2.2	7.5500	1595
160	215	2	CT-020160	315L-1	2980	282.10	270.00	258.40	0.91	94.7	6.7	513.0	1.9	2.4	1.7600	1160
		4	CT-040160	315L-1	1480	287.00	273.00	263.00	0.89	95.2	6.6	1032.0	2.6	3.0	3.7900	1160
		6	CT-060160	355M-1	990	291.00	275.00	267.00	0.87	95.4	7.1	1544.0	2.3	3.0	8.8500	1580
		8	CT-080160	355M-2	740	315.00	298.00	292.00	0.81	94.7	5.3	2066.0	2.0	2.3	11.7300	1760
200	270	2	CT-020200	315L-2	2980	347.70	330.10	318.40	0.92	95.0	6.7	641.0	1.9	2.4	2.0200	1190
		4	CT-040200	315L-2	1480	358.00	340.10	327.80	0.89	95.4	6.4	1290.0	2.2	2.8	4.4900	1270
		6	CT-060200	355M-2	990	361.00	342.00	330.00	0.88	95.5	7.1	1930.0	2.3	2.9	9.5500	1720
		8	CT-080200	355L	740	393.00	370.00	361.00	0.82	94.8	5.4	2582.0	2.1	2.3	12.8600	1967
250	340	2	CT-020250	355M-2	2980	429.00	408.00	393.00	0.92	95.6	5.7	802.0	1.7	2.4	3.5600	1758
		4	CT-040250	355M	1490	440.00	420.00	403.00	0.90	95.6	6.1	1603.0	1.9	2.3	5.6700	1698
		6	CT-060250	355L	990	448.00	425.00	409.00	0.89	95.6	6.6	2413.0	2.2	2.6	10.3000	1770
315	430	2	CT-020315	355L-2	2980	537.00	510.00	491.00	0.93	95.7	5.5	1010.0	1.6	2.3	4.1000	1848
		4	CT-040315	355L	1490	554.00	521.00	506.00	0.90	95.7	6.4	2020.0	2.2	2.4	6.6600	1848

CT Performance Data 60Hz

Synchronous speed (2Pole/3600rpm, 4Pole/1800rpm, 6Pole/1200rpm, 8Pole/900rpm)

Rated Power		Pole	Model	Frame Size	Rated Speed (RPM)	IFL	IFL	IFL	Power Factor COSø	Efficiency n %	IST	TFL	TST	TM	Moment of Inertia (Kgmm²)	Weight (Kg)
						440V (A)	460V (A)	480V (A)			IFL (Time)		(Nm)	(Time)		
KW	HP															
0.18	0.25	6	CT-060F18	71-1	1020	0.64	0.61	0.59	0.66	56.0	4.0	1.7	1.9	2.0	0.001	14
		8	CT-080F18	80-1	756	0.76	0.73	0.70	0.61	51.0	2.9	2.3	2.0	2.2	0.002	17
0.25	0.33	4	CT-040F25	71-1	1632	0.62	0.59	0.57	0.76	70.0	3.7	1.5	2.4	2.6	0.001	14
		6	CT-060F25	71-2	1020	0.82	0.78	0.75	0.68	59.0	4.0	2.3	1.9	2.0	0.001	15
0.37	0.5	8	CT-080F25	80-2	768	0.99	0.95	0.91	0.61	54.0	3.0	3.1	2.1	2.4	0.003	19
		2	CT-020F37	71-1	3300	0.84	0.80	0.77	0.86	72.5	4.3	1.1	2.2	2.4	0.001	14
0.55	0.75	4	CT-040F37	71-2	1614	0.96	0.92	0.88	0.77	71.3	3.7	2.2	2.4	2.5	0.001	14
		6	CT-060F37	80-1	1068	1.12	1.07	1.03	0.70	62.0	4.4	3.3	1.9	2.3	0.002	17
0.75	1	8	CT-080F37	90S	792	1.28	1.22	1.17	0.61	62.0	3.4	4.5	2.0	2.2	0.004	23
		2	CT-020F55	71-2	3312	1.29	1.23	1.18	0.89	78.0	4.9	1.6	2.5	2.6	0.001	14
1.1	1.5	4	CT-040F55	80-1	1686	1.38	1.32	1.27	0.75	72.7	5.5	3.1	2.2	2.4	0.002	15
		6	CT-060F55	80-2	1068	1.55	1.48	1.42	0.72	65.0	4.5	4.9	2.1	2.4	0.003	18
1.5	2	8	CT-080F55	90L	792	1.87	1.78	1.71	0.61	63.0	3.5	6.6	2.1	2.3	0.004	25
		2	CT-020F75	80-1	3406	1.55	1.49	1.43	0.85	75.1	5.5	2.1	2.3	2.6	0.001	16
2.2	3	4	CT-040F75	80-2	1698	1.81	1.73	1.66	0.76	72.6	5.6	4.2	2.2	2.4	0.002	16
		6	CT-060F75	90S	1092	1.98	1.89	1.81	0.72	69.0	4.1	6.6	2.3	2.7	0.003	22
3	4	8	CT-080F75	100L-1	828	2.08	1.99	1.91	0.67	71.0	3.5	8.7	2.0	2.2	0.008	33
		2	CT-021F10	80-2	3412	2.25	2.15	2.06	0.84	78.6	5.6	3.1	2.3	2.6	0.001	17
3.7	5	4	CT-041F10	90S	1687	2.50	2.40	2.30	0.80	76.5	5.4	6.2	2.2	2.5	0.002	22
		6	CT-061F10	90L	1092	2.75	2.63	2.52	0.73	72.0	4.6	9.6	2.3	2.7	0.004	25
4	5.5	8	CT-081F10	100L-2	828	2.89	2.77	2.65	0.69	73.0	3.6	12.7	2.2	2.4	0.010	38
		2	CT-021F50	90S	3418	2.94	2.81	2.69	0.86	79.8	6.1	4.2	2.5	2.9	0.001	22
5.5	7.5	4	CT-041F50	90L	1692	3.28	3.14	3.01	0.79	79.2	5.2	8.5	2.4	2.6	0.003	25
		6	CT-061F50	100L	1128	3.54	3.39	3.25	0.75	76.0	5.0	12.7	2.4	2.8	0.007	33
7.5	10	8	CT-081F50	112M	816	3.80	3.63	3.48	0.69	75.0	3.9	17.6	2.4	2.6	0.017	42
		2	CT-022F20	90L	3419	4.15	3.97	3.80	0.86	82.2	6.1	6.2	2.7	2.9	0.001	25
11	15	4	CT-042F20	100L-1	1680	4.40	4.21	4.04	0.83	81.1	6.0	12.5	2.3	2.6	0.007	33
		6	CT-062F20	112M	1128	4.81	4.60	4.41	0.76	79.0	5.2	18.6	2.1	2.5	0.014	42
15	20	8	CT-082F20	132S	852	5.10	4.87	4.67	0.71	78.0	4.3	24.7	2.3	2.5	0.031	63
		2	CT-020003	100L	3433	5.44	5.20	4.99	0.89	83.3	6.5	8.4	2.7	2.9	0.004	33
20	25	4	CT-040003	100L-2	1699	5.87	5.62	5.38	0.82	83.0	6.1	16.9	2.3	2.7	0.007	37
		6	CT-060003	132S	1152	6.39	6.11	5.86	0.76	81.0	5.6	24.9	1.9	2.5	0.029	63
25	30	8	CT-080003	132M	852	6.74	6.44	6.18	0.73	79.0	4.4	33.6	2.2	2.4	0.040	72
		2	CT-023F70	112M	3444	6.65	6.36	6.10	0.88	84.6	6.5	10.3	2.6	2.9	0.006	43
30	35	4	CT-043F70	112M	1716	7.03	6.72	6.44	0.82	83.6	6.5	20.6	2.3	2.8	0.010	43
		6	CT-063F70	132M-1	1152	7.77	7.43	7.13	0.76	82.0	6.2	30.7	2.1	2.7	0.036	72
35	40	8	CT-083F70	160M-1	864	8.12	7.77	7.44	0.73	81.0	4.4	40.9	2.2	2.5	0.075	104
		2	CT-020004	112M	3446	7.17	6.86	6.57	0.92	84.9	6.5	11.1	2.6	2.9	0.006	43
40	45	4	CT-040004	112M	1726	7.60	7.27	6.97	0.84	84.4	6.5	22.1	2.3	2.8	0.010	43
		6	CT-060004	132M-1	1152	8.42	8.05	7.72	0.76	82.0	6.2	33.2	2.1	2.7	0.036	72
45	50	8	CT-080004	160M-1	864	8.81	8.43	8.08	0.73	81.0	4.4	44.2	2.2	2.5	0.075	104
		2	CT-025F50	132S-1	3480	9.59	9.17	8.79	0.91	86.2	6.9	15.1	2.3	2.6	0.011	64
50	55	4	CT-045F50	132S	1746	10.10	9.67	9.26	0.83	86.6	6.8	30.1	2.3	2.9	0.021	70
		6	CT-065F50	132M-2	1152	11.05	10.57	10.13	0.77	84.0	6.5	45.6	2.3	2.8	0.045	81
55	60	8	CT-085F50	160M-2	864	11.75	11.23	10.77	0.74	83.0	5.0	60.8	2.2	2.4	0.093	115
		2	CT-027F50	132S-2	3498	12.87	12.31	11.80	0.90	87.5	6.9	20.5	2.5	2.8	0.013	70
60	65	4	CT-047F50	132M	1738	13.47	12.89	12.35	0.86	87.9	6.5	41.2	2.4	3.0	0.030	78
		6	CT-067F50	160M	1164	14.77	14.13	13.54	0.77	86.0	5.6	61.6	2.0	2.6	0.088	114
65	70	8	CT-087F50	160L	864	15.29	14.62	14.01	0.75	85.5	5.7	82.9	2.1	2.3	0.126	132
		2	CT-020011	160M-1	3520	18.22	17.43	16.70	0.90	90.3	6.7	29.9	2.6	2.9	0.038	117
70	75	4	CT-040011	160M	1752	19.43	18.59	17.81	0.84	89.1	6.9	60.0	2.3	2.9	0.075	123
		6	CT-060011	160L	1164	21.16	20.24	19.40	0.78	87.5	5.8	90.3	2.1	2.4	0.116	138
75	80	8	CT-080011	180L	876	21.94	20.98	20.11	0.76	87.5	5.6	120.0	2.3	2.5	0.203	171
		2	CT-020015	160M-2	3521	24.70	23.63	22.64	0.90	91.0	6.7	40.7	2.6	2.9	0.045	125
80	85	4	CT-040015	160L	1754	26.17	25.03	23.99	0.85	90.3	6.8	81.7	2.3	2.9	0.092	144
		6	CT-060015	180L	1164	27.29	26.10	25.02	0.81	89.0	5.7	123.1	2.0	2.4	0.207	175
85	90	8	CT-080015	200L	876	29.36	28.09	26.92	0.76	88.0	5.5	163.6	2.1	2.4	0.339	239

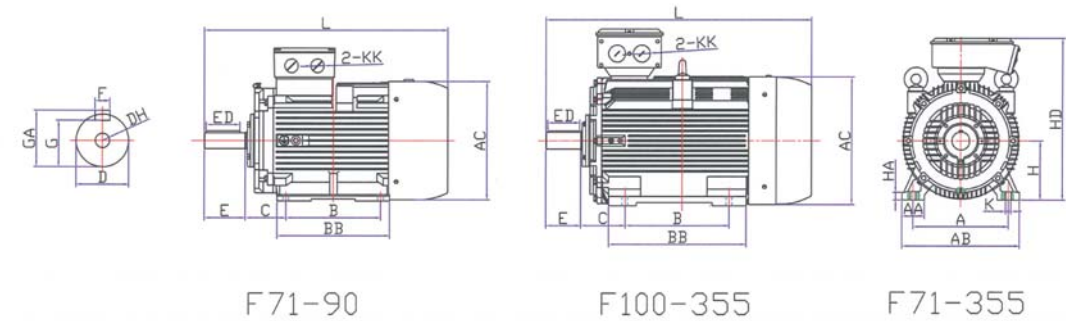
Note : 1. IFL = Full load current ; IST = Locked rotor current ; TFL = Full load torque ; TST = Locked rotor torque ; TM = Maximum torque
2. Tolerance according to IEC 60034-1
3. The data above is based on 50Hz 400V design, other data is the reference value.
4. Data subject to change without notice

CT Performance Data 60Hz

Synchronous speed (2Pole/3600rpm, 4Pole/1800rpm, 6Pole/1200rpm, 8Pole/900rpm)

Rated Power	Pole	Model	Frame Size	Rated Speed (RPM)	IFL	IFL	IFL	Power Factor COSφ	Efficiency η %	IST	TFL (Nm)	TST	TM	Moment of Inertia (Kg·m²)	Weight (Kg)	
					440V (A)	460V (A)	480V (A)			IFL (Time)		TFL (Time)	TFL (Time)			
18.5	25	2	CT-0218F5	160L	3516	29.88	28.58	27.39	0.90	91.7	6.8	50.3	2.5	2.8	0.055	147
		4	CT-0418F5	180M	1764	31.26	29.90	28.66	0.88	90.3	6.4	100.2	2.3	2.9	0.139	182
		6	CT-0618F5	200L-1	1164	33.25	31.80	30.48	0.81	90.0	6.7	151.9	2.2	2.8	0.315	240
		8	CT-0818F5	225S	876	35.41	33.87	32.46	0.76	90.0	5.6	201.8	2.2	2.6	0.491	271
22	30	2	CT-020022	180M	3528	35.41	33.87	32.46	0.90	90.6	6.6	59.6	2.6	2.8	0.076	180
		4	CT-040022	180L	1764	37.05	35.44	33.96	0.88	91.3	6.9	119.2	2.3	2.9	0.158	190
		6	CT-060022	200L-2	1164	38.60	36.93	35.39	0.83	90.0	6.6	180.6	2.3	2.9	0.360	250
		8	CT-080022	225M	880	40.76	38.99	37.37	0.78	90.5	5.4	238.9	2.1	2.4	0.547	299
30	40	2	CT-020030	200L-1	3540	47.85	45.77	43.86	0.89	92.0	6.5	81.0	2.5	2.7	0.124	240
		4	CT-040030	200L	1764	49.66	47.50	45.52	0.89	92.1	6.8	162.5	2.4	2.9	0.262	270
		6	CT-060030	225M	1176	51.21	48.99	46.95	0.84	91.5	6.8	243.8	2.2	2.7	0.547	314
		8	CT-080030	250M	888	54.67	52.29	50.11	0.79	91.0	5.3	322.8	2.2	2.5	0.830	406
37	50	2	CT-020037	200L-2	3540	58.64	56.09	53.75	0.91	92.3	6.5	99.9	2.4	2.6	0.139	255
		4	CT-040037	225S	1476	60.20	57.58	55.18	0.89	92.4	6.5	239.5	2.2	2.7	0.406	318
		6	CT-060037	250M	1176	60.54	57.91	55.50	0.86	92.0	6.2	300.6	2.0	2.5	0.834	420
		8	CT-080037	280S	888	66.93	64.02	61.35	0.82	91.7	5.6	398.1	2.3	2.7	1.390	507
45	60	2	CT-020045	225M	3564	70.90	67.82	65.00	0.90	93.0	6.8	120.6	2.4	2.6	0.233	342
		4	CT-040045	225M	1776	72.98	69.80	66.90	0.89	92.7	6.3	242.1	2.3	2.5	0.469	351
		6	CT-060045	280S	1176	74.27	71.04	68.08	0.87	92.5	6.1	365.6	1.9	2.5	1.390	505
		8	CT-080045	280M	888	81.27	77.73	74.50	0.81	91.8	5.2	484.2	2.1	2.8	1.650	549
55	75	2	CT-020055	250M	3564	86.02	82.28	78.85	0.89	93.2	6.8	147.5	2.5	2.8	0.312	444
		4	CT-040055	250M	1776	88.95	85.09	81.54	0.88	93.0	6.4	295.9	2.2	2.5	0.660	468
		6	CT-060055	280M	1182	90.68	86.74	83.13	0.88	92.6	6.7	444.6	2.1	2.7	1.650	552
		8	CT-080055	315S	888	95.69	91.53	87.72	0.82	93.6	5.7	591.8	1.9	2.5	4.790	860
75	100	2	CT-020075	280S	3564	116.42	111.36	106.72	0.91	93.7	6.7	201.7	2.4	2.7	0.597	544
		4	CT-040075	280S	1776	119.27	114.08	109.33	0.90	93.7	6.8	403.5	2.1	2.8	1.120	562
		6	CT-060075	315S	1188	122.64	117.30	112.42	0.86	94.4	6.5	603.2	2.0	2.7	4.110	880
		8	CT-080075	315M	888	129.63	124.00	118.83	0.83	93.9	5.9	807.0	2.1	2.8	5.580	960
90	125	2	CT-020090	280M	3564	137.75	131.76	126.27	0.91	94.1	6.7	241.3	2.4	2.7	0.675	606
		4	CT-040090	280M	1776	142.50	136.30	130.63	0.89	94.2	6.9	484.2	2.2	2.7	1.460	667
		6	CT-060090	315M	1188	146.82	140.43	134.58	0.86	94.9	6.2	723.9	2.0	2.6	4.280	1020
		8	CT-080090	315L-1	888	153.21	146.55	140.44	0.83	94.1	6.2	968.4	2.3	2.9	6.370	1100
110	150	2	CT-020110	315S	3576	168.06	160.76	154.06	0.92	94.5	6.6	293.9	2.0	2.5	1.180	980
		4	CT-040110	315S	1776	173.16	165.63	158.73	0.89	95.3	6.5	591.8	1.9	2.7	3.110	1000
		6	CT-060110	315L-1	1188	177.91	170.17	163.08	0.86	94.9	6.0	884.7	1.9	2.7	5.450	1100
		8	CT-080110	315L-2	888	186.55	178.43	171.00	0.82	94.2	6.0	1183.6	2.2	2.8	7.230	1202
132	180	2	CT-020132	315M	3576	201.23	192.48	184.46	0.92	94.9	6.6	352.7	2.1	2.5	1.550	1080
		4	CT-040132	315M	1776	207.27	198.26	190.00	0.88	95.6	6.8	710.2	2.3	3.2	3.290	1100
		6	CT-060132	315L-2	1188	210.73	201.57	193.17	0.87	95.0	5.8	1061.7	2.0	2.7	6.120	1170
		8	CT-080132	355M-1	888	223.68	213.96	205.04	0.84	95.3	5.0	1420.3	1.9	2.2	7.550	1595
160	215	2	CT-020160	315L-1	3576	243.63	233.04	223.33	0.92	95.6	6.7	427.5	1.9	2.4	1.760	1160
		4	CT-040160	315L-1	1776	247.86	237.09	227.21	0.89	95.6	6.6	860.8	2.6	3.0	3.790	1160
		6	CT-060160	355M-1	1188	251.32	240.39	230.38	0.88	95.2	7.1	1286.9	2.3	3.0	8.850	1580
		8	CT-080160	355M-2	888	272.05	260.22	249.38	0.83	95.3	5.3	1721.6	2.0	2.3	11.730	1760
200	270	2	CT-020200	315L-2	3576	300.29	287.23	275.26	0.92	95.4	6.7	534.4	1.9	2.4	2.020	1190
		4	CT-040200	315L-2	1776	309.18	295.74	283.42	0.89	95.8	6.4	1076.0	2.2	2.8	4.490	1270
		6	CT-060200	355M-2	1188	311.77	298.22	285.79	0.89	96.1	7.1	1608.6	2.3	2.9	9.550	1720
		8	CT-080200	355L	888	339.41	324.65	311.13	0.85	95.7	5.4	2152.0	2.1	2.3	12.860	1967
250	340	2	CT-020250	355M-2	3576	370.50	354.39	339.63	0.93	95.3	5.7	668.0	1.7	2.4	3.560	1758
		4	CT-040250	355M	1788	380.00	363.48	348.33	0.90	95.5	6.1	1336.0	1.9	2.3	5.670	1698
		6	CT-060250	355L	1188	386.91	370.09	354.67	0.90	96.3	6.6	2010.7	2.2	2.6	10.300	1770
315	430	2	CT-020315	355L-2	3576	463.77	443.61	425.13	0.93	95.8	5.5	841.7	1.6	2.3	4.100	1848
		4	CT-040315	355L	1788	478.45	457.65	438.58	0.92	95.6	6.4	1683.3	2.2	2.4	6.660	1848

CT-B3

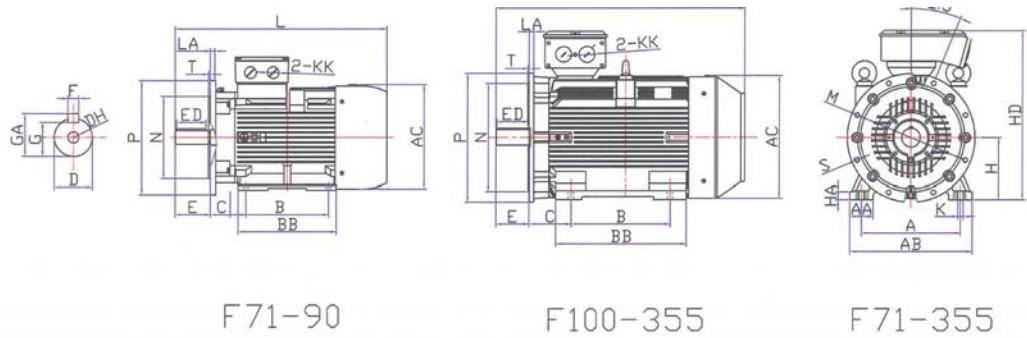


CT B3 Foot Mounting Dimensions
F#71~90 without lifting bolt

Frame	Poles	Mounting dimensions (mm)									Overall Dimensions (mm)										
		A	B	C	D	E	F	G	H	K	AA	AB	AC	BB	KK	ED	DH	GA	HA	HD	L
71	2,4,6	112	90	45	14j6	30	5	11	71	7	32	144	145	120	M20X1.5	20	M4X10	16	8	208	250
80	2,4,6,8	125	100	50	19j6	40	6	15.5	80	10	34	160	175	130	M25X1.5	25	M6X16	21.5	10	210	295
90S	2,4,6,8	140	100	56	24j6	50	8	20	90	10	36	180	190	160	M25X1.5	40	M8X19	27	12.5	230	345
90L	2,4,6,8	140	125	56	24j6	50	8	20	90	10	36	180	190	160	M25X1.5	40	M8X19	27	12.5	230	345
100	2,4,6,8	160	140	63	28j6	60	8	24	100	12	40	200	215	182	M25X1.5	45	M10X22	31	14	265	385
112	2,4,6,8	190	140	70	28j6	60	8	24	112	12	45	230	236	195	M32X1.5	45	M10X22	31	14	287	405
132S	2,4,6,8	216	140	89	38k6	80	10	33	132	12	52	265	275	245	M32X1.5	63	M12X28	41	16	330	515
132M	2,4,6,8	216	178	89	38k6	80	10	33	132	12	52	265	275	245	M32X1.5	63	M12X28	41	16	330	515
160M	2,4,6,8	254	210	108	42k6	110	12	37	160	14.5	67	320	330	260	M40X1.5	90	M16X36	45	19	410	610
160L	2,4,6,8	254	254	108	42k6	110	12	37	160	14.5	67	320	330	305	M40X1.5	90	M16X36	45	19	410	655
180M	2,4,6,8	279	241	121	48k6	110	14	42.5	180	14.5	74	350	380	297	M40X1.5	90	M16X36	51.5	22	455	685
180L	2,4,6,8	279	279	121	48k6	110	14	42.5	180	14.5	74	350	380	335	M40X1.5	90	M16X36	51.5	22	455	720
200	2,4,6,8	318	305	133	55m6	110	16	49	200	18.5	85	395	420	370	M50X1.5	90	M20X42	59	25	524	770
225S	4,6,8	356	286	149	60m6	140	18	53	225	18.5	80	436	465	355	M50X1.5	110	M20X42	64	28	560	825
225M	2	356	311	149	55m6	110	16	49	225	18.5	80	436	465	380	M50X1.5	90	M20X42	59	28	560	850
225M	4,6,8	356	311	149	60m6	140	18	53	225	18.5	80	436	465	380	M50X1.5	110	M20X42	64	28	560	850
250M	2	406	349	168	60m6	140	18	53	250	24	88	495	520	440	M63X 1.5	110	M20X42	64	33	625	935
250M	4,6,8	406	349	168	65m6	140	18	58	250	24	88	495	520	440	M63X 1.5	110	M20X42	69	33	625	935
280S	2	457	368	190	65m6	140	18	58	280	24	109	550	570	535	M63X 1.5	110	M20X42	69	35	685	1010
280S	4,6,8	457	368	190	75m6	140	20	67.5	280	24	109	550	570	535	M63X 1.5	110	M20X42	79.5	35	685	1010
280M	2	457	419	190	65m6	140	18	58	280	24	109	550	570	535	M63X 1.5	110	M20X42	69	35	685	1010
280M	4,6,8	457	419	190	75m6	140	20	67.5	280	24	109	550	570	535	M63X 1.5	110	M20X42	79.5	35	685	1010
315S	2	508	406	216	65m6	140	18	58	315	28	120	635	650	565	M63X 1.5	110	M20X42	69	45	870	1180
315S	4,6,8	508	406	216	80m6	170	22	71	315	28	120	635	650	565	M63X 1.5	140	M20X42	85	45	870	1210
315M	2	508	457	216	65m6	140	18	58	315	28	120	635	650	675	M63X 1.5	110	M20X42	69	45	870	1290
315M	4,6,8	508	457	216	80m6	170	22	71	315	28	120	635	650	675	M63X 1.5	140	M20X42	85	45	870	1320
315L	2	508	508	216	65m6	140	18	58	315	28	120	635	650	675	M63X 1.5	110	M20X42	69	45	870	1290
315L	4,6,8	508	508	216	80m6	170	22	71	315	28	120	635	650	675	M63X 1.5	140	M20X42	85	45	870	1320
355M	2	610	560	254	75m6	140	20	67.5	355	28	125	735	735	775	M63X 1.5	110	M24X50	79.5	49	995	1490
355M	4,6,8	610	560	254	95m6	170	25	86	355	28	125	735	735	775	M63X 1.5	140	M24X50	100	49	995	1520
355L	2	610	630	254	75m6	140	20	67.5	355	28	125	735	735	775	M63X 1.5	110	M24X50	79.5	49	995	1490
355L	4,6,8	610	630	254	95m6	170	25	86	355	28	125	735	735	775	M63X 1.5	140	M24X50	100	49	995	1520

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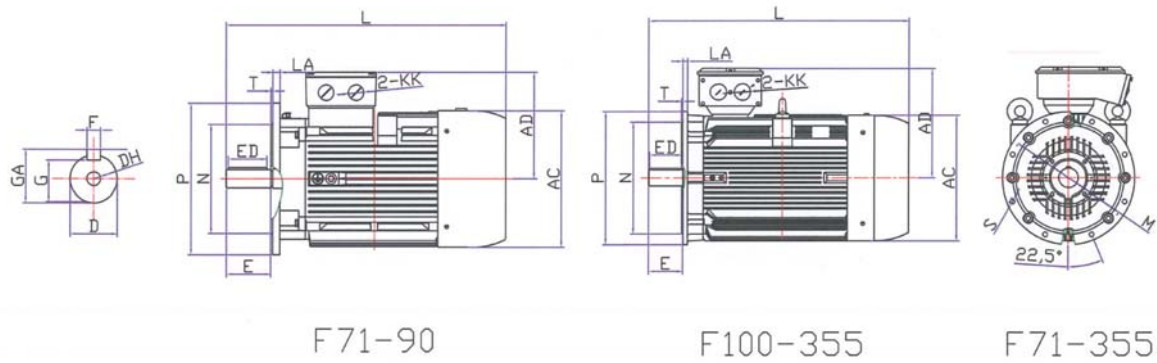
CT-B35



CT B35 Foot & Flange Mounting Dimensions
F#71~90 without lifting bolt

Frame	Poles	Mounting dimensions (mm)														Overall Dimensions (mm)													
		A	B	C	D	E	F	G	H	K	M	N	P	S	T	AA	AB	AC	LA	KK	BB	ED	DH	GA	HA	HD	L		
71	2,4,6	112	90	45	14j6	30	5	11	71	7	130	110	160	4-ø9	3.5	32	144	145	8	M20X1.5	120	20	M4X10	16	8	208	250		
80	2,4,6,8	125	100	50	19j6	40	6	15.5	80	10	165	130	200	4-ø12	3.5	34	160	175	12	M25X1.5	130	25	M6X16	21.5	10	230	295		
90S	2,4,6,8	140	100	56	24j6	50	8	20	90	10	165	130	200	4-ø12	3.5	36	180	190	12	M25X1.5	135	40	M8X19	27	12.5	260	320		
90L	2,4,6,8	140	125	56	24j6	50	8	20	90	10	165	130	200	4-ø12	3.5	36	180	190	12	M25X1.5	160	40	M8X19	27	12.5	260	345		
100	2,4,6,8	160	140	63	28j6	60	8	24	100	12	215	180	250	4-ø14.5	4	40	200	215	14	M25X1.5	182	45	M10X22	31	14	275	385		
112	2,4,6,8	190	140	70	28j6	60	8	24	112	12	215	180	250	4-ø14.5	4	45	230	236	14	M32X1.5	195	45	M10X22	31	14	310	410		
132S	2,4,6,8	216	140	89	38k6	80	10	33	132	12	265	230	300	4-ø14.5	4	52	265	275	14	M32X1.5	205	63	M12X28	41	16	350	480		
132M	2,4,6,8	216	178	89	38k6	80	10	33	132	12	265	230	300	4-ø14.5	4	52	265	275	14	M32X1.5	245	63	M12X28	41	16	350	520		
160M	2,4,6,8	254	210	108	42k6	110	12	37	160	14.5	300	250	350	4-ø18.5	5	67	320	330	15	M40X1.5	260	90	M16X36	45	19	425	610		
160L	2,4,6,8	254	254	108	42k6	110	12	37	160	14.5	300	250	350	4-ø18.5	5	67	320	330	15	M40X1.5	305	90	M16X36	45	19	425	655		
180M	2,4,6,8	279	241	121	48k6	110	14	42.5	180	14.5	300	250	350	4-ø18.5	5	74	350	380	15	M40X1.5	297	90	M16X36	51.5	22	460	680		
180L	2,4,6,8	279	279	121	48k6	110	14	42.5	180	14.5	300	250	350	4-ø18.5	5	74	350	380	15	M40X1.5	335	90	M16X36	51.5	22	460	720		
200	2,4,6,8	318	305	133	55m6	110	16	49	200	18.5	350	300	400	4-ø18.5	5	80	395	420	17	M50X1.5	370	90	M20X42	59	25	515	760		
225S	4,6,8	356	286	149	60m6	140	18	53	225	18.5	400	350	450	8-ø18.5	5	80	436	465	19	M50X1.5	355	110	M20X42	64	28	560	825		
225M	2	356	311	149	55m6	110	16	49	225	18.5	400	350	450	8-ø18.5	5	80	436	465	19	M50X1.5	380	90	M20X42	59	28	560	850		
225M	4,6,8	356	311	149	60m6	140	18	53	225	18.5	400	350	450	8-ø18.5	5	80	436	465	19	M50X1.5	380	110	M20X42	64	28	560	850		
250M	2	406	349	168	60m6	140	18	53	250	24	500	450	550	8-ø18.5	5	88	495	520	20	M63X 1.5	440	110	M20X42	64	33	620	925		
250M	4,6,8	406	349	168	65m6	140	18	58	250	24	500	450	550	8-ø18.5	5	88	495	520	20	M63X 1.5	440	110	M20X42	69	33	620	925		
280S	2	457	368	190	65m6	140	18	58	280	24	500	450	550	8-ø18.5	5	90	550	570	22	M63X 1.5	494	110	M20X42	69	35	685	960		
280S	4,6,8	457	368	190	75m6	140	20	67.5	280	24	500	450	550	8-ø18.5	5	90	550	570	22	M63X 1.5	494	110	M20X42	79.5	35	685	975		
280M	2	457	419	190	65m6	140	18	58	280	24	500	450	550	8-ø18.5	5	90	550	570	22	M63X 1.5	535	110	M20X42	69	35	685	1000		
280M	4,6,8	457	419	190	75m6	140	20	67.5	280	24	500	450	550	8-ø18.5	5	90	550	570	22	M63X 1.5	535	110	M20X42	79.5	35	685	1015		
315S	2	508	406	216	65m6	140	18	58	315	28	600	550	660	8-ø24	6	120	635	650	24	M63X 1.5	515	110	M20X42	69	45	820	1160		
315S	4,6,8	508	406	216	80m6	170	22	71	315	28	600	550	660	8-ø24	6	120	635	650	24	M63X 1.5	515	140	M20X42	85	45	820	1190		
315M	2	508	457	216	65m6	140	18	58	315	28	600	550	660	8-ø24	6	120	635	650	24	M63X 1.5	625	110	M20X42	69	45	820	1270		
315M	4,6,8	508	457	216	80m6	170	22	71	315	28	600	550	660	8-ø24	6	120	635	650	24	M63X 1.5	625	140	M20X42	85	45	820	1300		
315L	2	508	508	216	65m6	140	18	58	315	28	600	550	660	8-ø24	6	120	635	650	24	M63X 1.5	625	110	M20X42	69	45	820	1270		
315L	4,6,8	508	508	216	80m6	170	22	71	315	28	600	550	660	8-ø24	6	120	635	650	24	M63X 1.5	625	140	M20X42	85	45	820	1300		
355M	2	610	560	254	75m6	140	20	67.5	355	28	740	680	800	8-ø24	6	125	735	735	25	M63X 1.5	775	110	M24X50	79.5	49	1000	1500		
355M	4,6,8	610	560	254	95m6	170	25	86	355	28	740	680	800	8-ø24	6	125	735	735	25	M63X 1.5	775	140	M24X50	100	49	1000	1530		
355L	2	610	630	254	75m6	140	20	67.5	355	28	740	680	800	8-ø24	6	125	735	735	25	M63X 1.5	775	110	M24X50	79.5	49	1000	1500		
355L	4,6,8	610	630	254	95m6	170	25	86	355	28	740	680	800	8-ø24	6	125	735	735	25	M63X 1.5	775	140	M24X50	100	49	1000	1530		

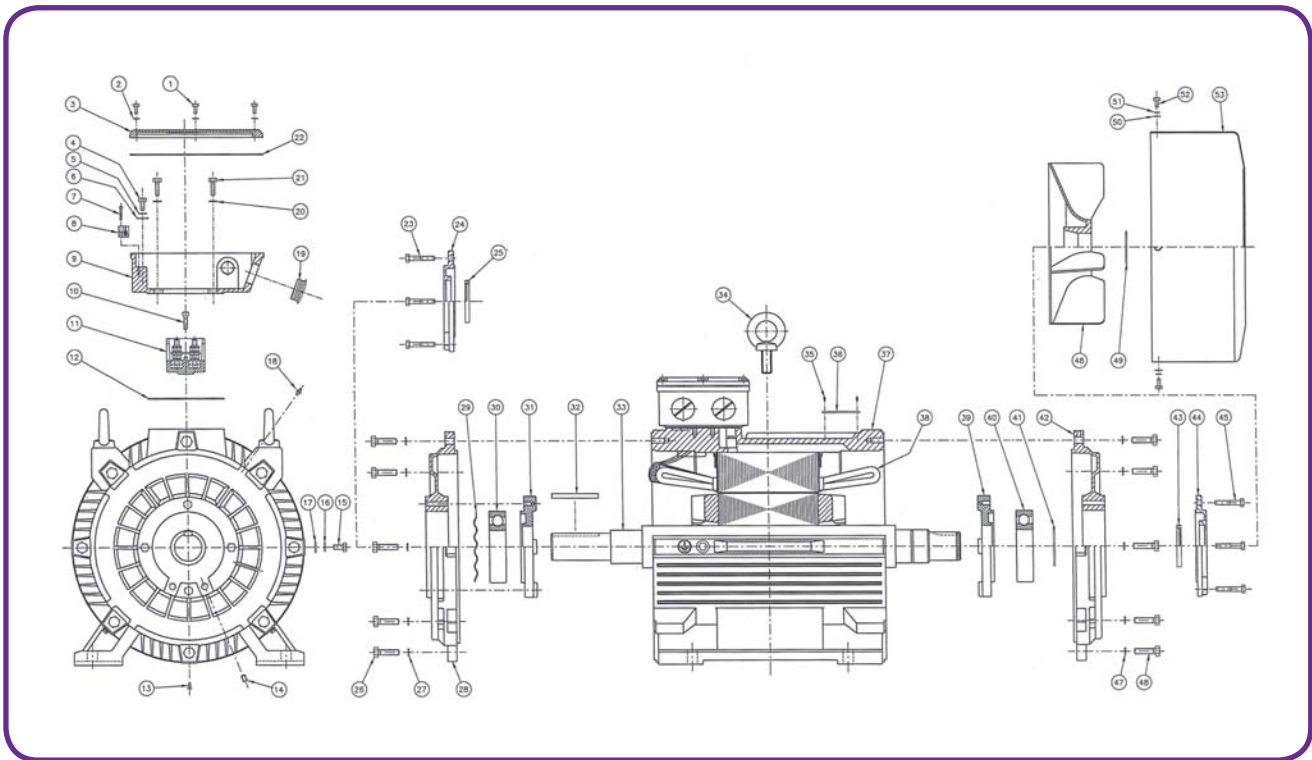
CT-B5 / V1



CT B5/V1 Flange Mounting Dimensions
F#71~90 without lifting bolt

Frame Size	Poles	Mounting dimensions (mm)										Overall Dimensions (mm)							
		D	E	F	G	M	N	P	S	T	AC	AD	ED	KK	DH	GA	LA	L	
71	2,4,6	14j6	30	5	11	130	110	160	4-ø9	3.5	150	125	20	M20x1.5	M4X10	16	8	250	
80	2,4,6,8	19j6	40	6	15.5	165	130	200	4-ø12	3.5	175	140	25	M25X1.5	M6X16	21.5	12	295	
90S	2,4,6,8	24j6	50	8	20	165	130	200	4-ø12	3.5	190	150	40	M25X1.5	M8X19	27	12	320	
90L	2,4,6,8	24j6	50	8	20	165	130	200	4-ø12	3.5	190	150	40	M25X1.5	M8X19	27	12	345	
100	2,4,6,8	28j6	60	8	24	215	180	250	4-ø14.5	4	215	160	45	M25X1.5	M10X22	31	14	385	
112	2,4,6,8	28j6	60	8	24	215	180	250	4-ø14.5	4	236	185	45	M32X1.5	M10X22	31	14	410	
132S	2,4,6,8	38k6	80	10	33	265	230	300	4-ø14.5	4	275	205	63	M32X1.5	M12X28	41	14	480	
132M	2,4,6,8	38k6	80	10	33	265	230	300	4-ø14.5	4	275	205	63	M32X1.5	M12X28	41	14	520	
160M	2,4,6,8	42k6	110	12	37	300	250	350	4-ø14.5	5	330	250	90	M40X1.5	M16X36	45	15	610	
160L	2,4,6,8	42k6	110	12	37	300	250	350	4-ø18.5	5	330	250	90	M40X1.5	M16X36	45	15	655	
180M	2,4,6,8	48k6	110	14	42.5	300	250	350	4-ø18.5	5	380	270	90	M40X1.5	M16X36	51.5	15	680	
180L	2,4,6,8	48k6	110	14	42.5	300	250	350	4-ø18.5	5	380	270	90	M40X1.5	M16X36	51.5	15	720	
200	2,4,6,8	55m6	110	16	49	350	300	400	4-ø18.5	5	420	325	90	M50X1.5	M20X42	59	17	760	
225S	4,6,8	60m6	140	18	53	400	350	450	8-ø18.5	5	465	335	110	M50X1.5	M20X42	64	19	825	
225M	2	55m6	110	16	49	400	350	450	8-ø18.5	5	465	335	90	M50X1.5	M20X42	59	19	820	
225M	4,6,8	60m6	140	18	53	400	350	450	8-ø18.5	5	465	335	110	M50X1.5	M20X42	64	19	850	
250M	2	60m6	140	18	53	500	450	550	8-ø18.5	5	520	370	110	M63X 1.5	M20X42	64	20	925	
250M	4,6,8	65m6	140	18	58	500	450	550	8-ø18.5	5	520	370	110	M63X 1.5	M20X42	69	20	925	
280S	2	65m6	140	18	58	500	450	550	8-ø18.5	5	570	395	110	M63X 1.5	M20X42	69	22	960	
280S	4,6,8	75m6	140	20	67.5	500	450	550	8-ø18.5	5	570	395	110	M63X 1.5	M20X42	79.5	22	975	
280M	2	65m6	140	18	58	500	450	550	8-ø18.5	5	570	395	110	M63X 1.5	M20X42	69	22	1000	
280M	4,6,8	75m6	140	20	67.5	500	450	550	8-ø18.5	5	570	395	110	M63X 1.5	M20X42	79.5	22	1015	
315S	2	65m6	140	18	58	600	550	660	8-ø24	6	650	495	110	M63X 1.5	M20X42	69	24	1160	
315S	4,6,8	80m6	170	22	71	600	550	660	8-ø24	6	650	495	140	M63X 1.5	M20X42	85	24	1190	
315M	2	65m6	140	18	58	600	550	660	8-ø24	6	650	495	110	M63X 1.5	M20X42	69	24	1270	
315M	4,6,8	80m6	170	22	71	600	550	660	8-ø24	6	650	495	140	M63X 1.5	M20X42	85	24	1300	
315L	2	65m6	140	18	58	600	550	660	8-ø24	6	650	495	110	M63X 1.5	M20X42	69	24	1270	
315L	4,6,8	80m6	170	22	71	600	550	660	8-ø24	6	650	495	140	M63X 1.5	M20X42	85	24	1300	
355M	2	75m6	140	20	67.5	740	680	800	8-ø24	6	735	645	110	M63X 1.5	M24X50	79.5	25	1500	
355M	4,6,8	95m6	170	25	86	740	680	800	8-ø24	6	735	645	140	M63X 1.5	M24X50	100	25	1530	
355L	2	75m6	140	20	67.5	740	680	800	8-ø24	6	735	645	110	M63X 1.5	M24X50	79.5	25	1500	
355L	4,6,8	95m6	170	25	86	740	680	800	8-ø24	6	735	645	140	M63X 1.5	M24X50	100	25	1530	

Data are subjected to revisions without any prior notice.



Item	Description	Frame Sizes		
		63 - 90	100 - 132	160 - 355
1	Bolt for terminal box lid	✓	✓	✓
2	Spring washer	✓	✓	✓
3	Terminal box lid	✓	✓	✓
4	Earth bolt - terminal box	✓	✓	✓
5	Spring washer	✓	✓	✓
6	Flat washer	✓	✓	✓
7	Bolt for aux. Terminal block	✓	✓	✓
8	Aux. Terminal box	✓	✓	✓
9	Terminal box lid	✓	✓	✓
10	Bolt for terminal board	✓	✓	✓
11	Terminal board assembly	✓	✓	✓
12	Gasket - terminal box	✓	✓	✓
13	Drain plug			✓
14	Plug - grease exhaust			✓
15	Earth bolt - frame	✓	✓	✓
16	Spring washer	✓	✓	✓
17	Flat washer	✓	✓	✓
18	Grease nipple			✓
19	Conduit entry plug	✓	✓	✓
20	Spring washer	✓	✓	✓
21	Bolt for terminal box	✓	✓	✓
22	Gasket - terminal box lid	✓	✓	✓
23	Bolt for outer b/cap - de			✓
24	Outer bearing cap - de			✓
25	Oil seal - de			✓
26	Bolt for endshield - de	✓	✓	✓
27	Spring washer	✓	✓	✓

Item	Description	Frame Sizes		
		63 - 90	100 - 132	160 - 355
28	Endshield - de	✓	✓	✓
29	Wave washer			✓
30	Bearing - de	✓	✓	✓
31	Inner bearing cap - de			✓
32	Key	✓	✓	✓
33	Rotor shaft	✓	✓	✓
34	Lifting eye		✓	✓
35	Rivet - nameplate	✓	✓	✓
36	Nameplate	✓	✓	✓
37	Frame	✓	✓	✓
38	Stator winding	✓	✓	✓
39	Inner bearing cap - nde			✓
40	Bearing - nde	✓	✓	✓
41	Circlip - bearing	✓	✓	✓
42	Endshield - nde	✓	✓	✓
43	Oil seal - nde	✓	✓	✓
44	Outer bearing cap - nde			✓
45	Bolt for outer b/cap - nde			✓
46	Bolt for endshield - nde	✓	✓	✓
47	Spring washer	✓	✓	✓
48	External fan	✓	✓	✓
49	Circlip - fan	✓	✓	✓
50	Flat washer	✓	✓	✓
51	Spring washer	✓	✓	✓
52	Bolt for fan cover	✓	✓	✓
53	Fan cover	✓	✓	✓

HIGH EFFICIENCY

Three Phase High Efficiency TEFC Asynchronous Motor

IEC frame size: 63 to 355

Designed to meet or exceed the requirements for energy efficiency such as: IEC 60034-30 (IE2), Australia (Level 1B), CEMEP-EU (EFF1), MS 1525, SS530 and GB18613-2006.

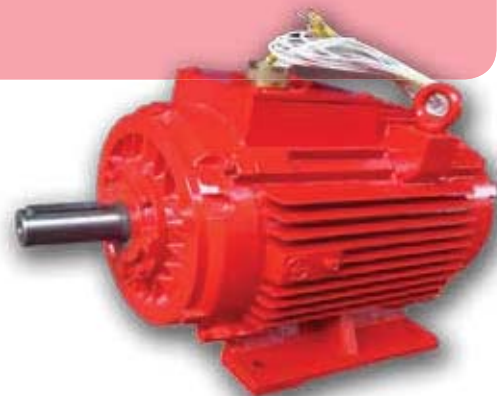


HIGH TEMP RESISTANT

High Temperature Resistant/Smokespill Cast-Iron Induction Motor

Certified to withstand 250°C, 300°C & 400°C (2 hours)

Designed for demanding and critical applications, such as fire emergencies in built-up areas. These motors play a life-saving role in the swift extraction and clearance of smoke and toxic fumes at high temperatures.



SINGLE PHASE SERIES

Single Phase Aluminium Induction Motor

Specially used when only single-phase current supply is available.

DY : Capacitor Run Series

Suitable for applications with low starting torque.

DL : Dual Capacitor Series

Suitable for applications with high starting torque.



EXPLOSION-PROOF

YB2 Series Three Phase Explosion-Proof Motor

Uniquely designed to contain the sparks within the motor to prevent ignition of external combustible vapours, enabling the motor to be safely used in hazardous locations.



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