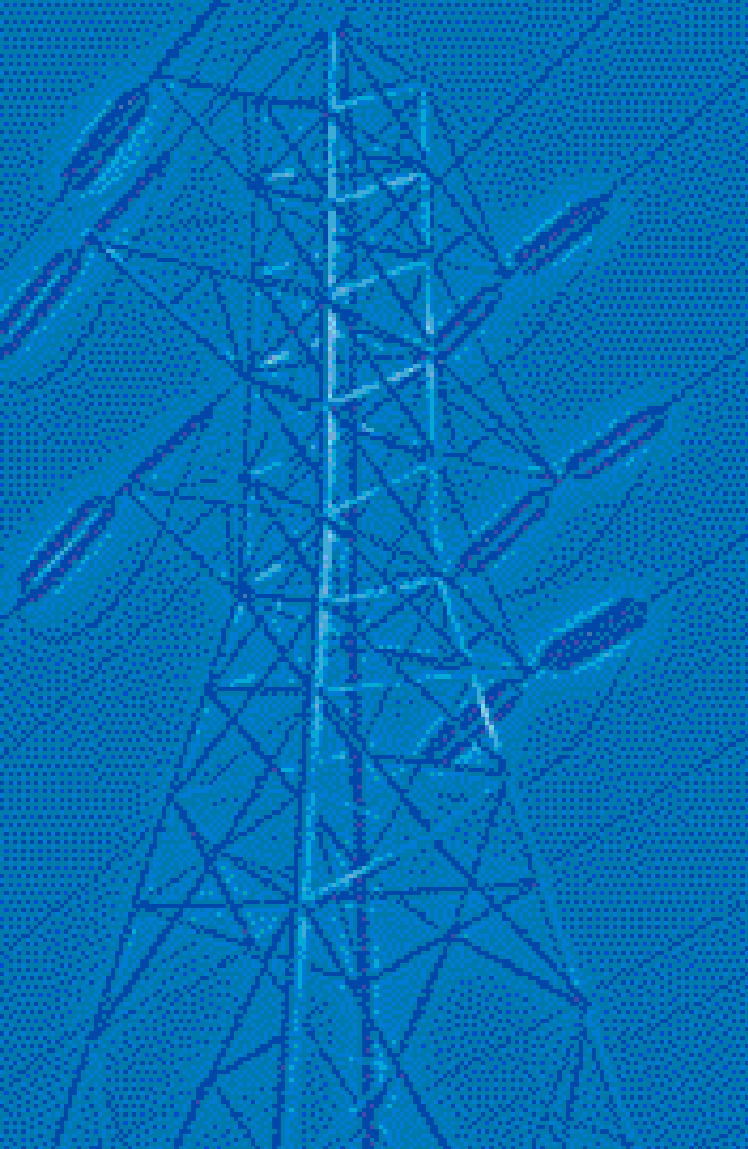




Via Morandi 1 - zona industriale - 20010 INVERUNO (MI)
Tel. 02 97.289.454 - Fax 02 97.28.99.23 - www.felm.it - E-mail: home@felm.it

A large, blue-tinted image of a high-voltage power line tower dominates the center of the page. The tower is a lattice structure with multiple cross-arms supporting insulators and power lines. The background is a solid blue color with a fine, dotted texture.

**MEDIUM & HIGH VOLTAGE
THREE PHASE ASYNCHRONOUS MOTORS**

The designing, manufacturing and testing of medium & high voltage squirrel cage induction motors made by Felm are according with IEC standard, we supply high quality cast iron and steel fabricated motors with high performance and good appearance, they are widely used in various industries, like mine, pump, compressor, wind machinery ect.

Product Range:

T20 TEFC cast iron frame, 6kV IP55,IC411, 2/4/6/8 Pole, output 185kW~1600kW, frame size 355~560/3kV, 3.3 kV on request.

T21 TEFC cast iron frame, 10kV IP55,IC411, 2/4/6/8 Pole, output 220kW~1400kW, frame size 400~560.

T30 TEFC steel fabricated frame, 6kV IP44/IP55,air-air cooling (IC611) or air-water cooling, 2/4/6/8/10/12 Pole, output 185kW~2240kW, frame size 355~630.

T31 TEFC 10kV IP44/IP55,air-air cooling (IC611) or air-water cooling, 2/4/6/8/10/12 Pole, output 200kW~1400kW, frame size 400~630.

T40 TEFC steel fabricated frame, ODP, 6kV IP23, IC01 2/4/6/8/10/12 Pole, output 185kW~2800kW, frame size 355~630.

T41 TEFC steel fabricated frame, ODP, 6kV IP23,IC01, 2/4/6/8/10/12 Pole, output 185kW~2240kW, frame size 400~630.

Basic:

Protection Class: IP55 IP44 IP23

Cooling Method: IC01 IC411 IC611

Mounting Type: B3, B35, V1

Duty: S1

Ambient:

Ambient temperature -20~40°C

Ambient relative humidity less than 90%

Altitude: less than 1000m above sea level

Ambient condition: nocausticity gas, no dust, no heavy metal pollution, no flame, no salty, no crystal.

Application:

Supply Power: voltage variable $\pm 10\%$ frequency variable $\pm 5\%$ combine voltage and frequency variable $\pm 5\%$.

2 pole motor is only used in coupling direct drive.

Motors can rotate in both directions (except for 2 pole motor).

Starting Method: direct start at full voltage, or start by no less than 85% full voltage.

The following as options on customer's request:

Space Heater

Vibration Detector

Special Mounting dimension and special shaft-end dimension

Low vibration and low noise

Bearing thermometer PT100

Winding thermometer PT100

Spwcial Coating

Others

Information for ordering:

Please specify the rated output, synchronous speed, voltage, frequency, mounting type, rotation (from shaft extension). If any special requirement, for example, non-standard output, non-standard voltage, non-standard frequency, non-standard mounting dimension, non-standard altitude, special ambient, high locked-rotor torque, second shaft-end, water cooling, vertical mounting, very big axial force and etc., please specify when in enquiry.

Felm has strong R&D team, and has extensive experience, after long time to validate and improve calculation program combining with perfect Quality Assurance System, the designing value and actual data are highly match each other (for example, electromagnetic calculation, intension calculation, rotor critical speed calculation and so on), all the above ensures the product performance of the new designing motor can meet the customers'demand.

Felm Motor applies high quality cast iron or steel plate, optimize the construction design to ensure the requirement of the rigidity and intensity of the construction.

Cold-rolled lamination steel is used in stator core and rotor core, it has advantage of good insulation on surface, low loss which ensures the higher efficiency.

High quality mica tape as insulation material with VPI (Vacuum Pressure Impregnation) combining the perfect insulation system which making the insulation completely and without clearance, high rigidity of the winding end, it can endure switching and reversing intensity, F class insulation makes the motor with higher heat stability and longer service life.

In general, we make copper bar rotor and copper end ring as the construction of the squirrel cage, and use high quality silver soldering for connecting the copper bar and end ring to prevent fatigue failure, meanwhile lower the loss and improve the efficiency.

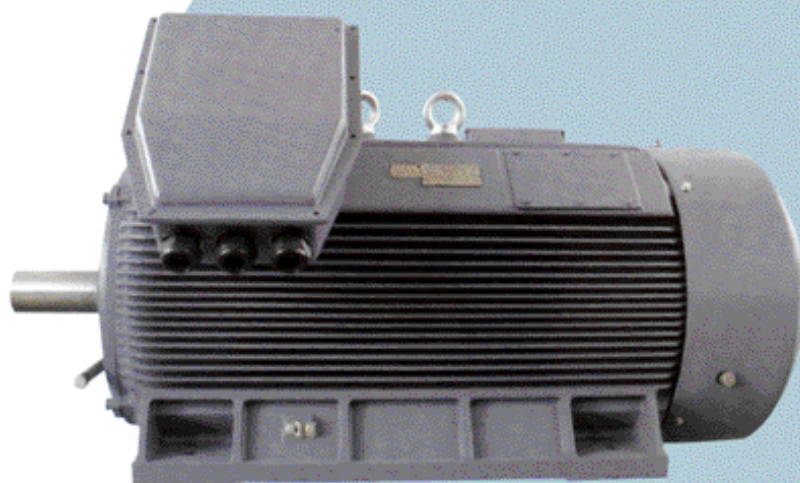
The rotor balancing technology including static balance, dynamic balance, overall balance in operating, all Felm motors are matching or better than vibration requirement of the International standard, the rotor balancing has an inseparable relationship with the life of bearing.

The bearing and motor construction designing are made after considering the motor type, force on the motor, speed, lubricate type, including roller bearing and sleeve bearing, designing of oil seal and lubricant, it has advantage of credible performance and easy maintenance. Regreasing can be done during running.

Perfect primer ensures the motors with good appearance and the motors are durable, the standard coating color is RAL7031, and we can also use special corrosion protection coating.

We have experienced employees to make sure the quality management system, for example, visual inspection, inspection during manufacturing and so on, we make sure that every process can be in professional control and managing for the production quality, first class professional equipment and constant trained employees make every production process in high quality, Our perfect after-sales service team and excellent engineering team to be a strong back for our product.

Test, routine test and type test according with the International standard to ensure the quality of the products.



T20 SERIES TOTALLY ENCLOSED IP55 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-560)

• MOUNTING DIMENSIONS FOR INSTALLATION (IP54 . 6kV)

Frame size	Poles	Mounting dimensions										
		A	B	C	D	E	F	G	H	K1	K2	
355	2	630 +1.40 -1.40	900 +1.40 -1.40	254 +4.0 -4.0	75 +0.035 +0.013	140 +0.50 -0.50	20 0 -0.052	67.5 0 -0.2	355 0 -1.0	28 +0.52 0	35	
355	4-6	630 +1.40 -1.40	900 +1.40 -1.40	254 +4.0 -4.0	100 +0.035 +0.013	210 +0.57 -0.57	28 0 -0.052	90 0 -0.2	355 0 -1.0	28 +0.52 0	35	
400	2	710 +1.75 -1.75	1000 +1.75 -1.75	280 +4.0 -4.0	85 +0.035 +0.013	170 +0.50 -0.50	22 0 -0.052	76 0 -0.2	400 0 -1.0	35 +0.62 0	42	
400	4-8	710 +1.75 -1.75	1000 +1.75 -1.75	280 +4.0 -4.0	110 +0.035 +0.013	210 +0.57 -0.57	28 0 -0.052	100 0 0.2	400 0 -1.0	35 +0.62 0	42	
450	2	800 +1.75 -1.75	1120 +1.75 -1.75	280 +4.0 -4.0	95 +0.035 +0.013	170 +0.57 -0.57	25 0 -0.052	86 0 -0.2	450 0 -1.0	35 +0.62 0	42	
450	4	800 +1.75 -1.75	1120 +1.75 -1.75	280 +4.0 -4.0	120 +0.035 +0.013	210 +0.57 -0.57	32 0 -0.062	109 0 -0.2	450 0 -1.0	35 +0.62 0	42	
450	6-8	800 +1.75 -1.75	1120 +1.75 -1.75	280 +4.0 -4.0	130 +0.040 +0.015	250 +0.57 -0.57	32 0 -0.062	119 0 -0.2	450 0 -1.0	35 +0.62 0	42	
500	2	900 +2.10 -2.10	1250 +2.10 -2.10	315 +4.0 -4.0	110 +0.035 +0.013	210 +0.57 -0.57	28 0 -0.052	100 0 -0.2	500 0 -1.0	42 +0.62 0	50	
500	4	900 +2.10 -2.10	1250 +2.10 -2.10	315 +4.0 -4.0	130 +0.040 +0.015	250 +0.57 -0.57	32 0 -0.062	119 0 -0.2	500 0 -1.0	42 +0.62 0	50	
500	6-8	900 +2.10 -2.10	1250 +2.10 -2.10	315 +4.0 -4.0	140 +0.040 +0.015	250 +0.57 -0.57	36 0 -0.062	128 0 -0.3	500 0 -1.0	42 +0.62 0	50	
560	4	1000 +2.10 -2.10	1400 +2.10 -2.10	355 +4.0 -4.0	150 +0.040 +0.015	250 +0.57 -0.57	36 0 -0.062	138 0 -0.3	560 0 -1.0	42 +0.62 0	50	
560	6-8	1000 +2.10 -2.10	1400 +2.10 -2.10	355 +4.0 -4.0	160 +0.040 +0.015	300 +0.65 -0.65	40 0 -0.062	147 0 -0.3	560 0 -1.0	42 +0.62 0	50	

• OUTLINE DIMENSIONS FOR INSTALLATION (IP55 . 6kV)

Frame size	Poles	Outline dimensions						
		AC	AD	AB	BB	HA	HD	L
355	2~6	365	750	790	1110	50	960	1835
400	2	410	800	870	1200	50	1050	1950
400	4~8	410	800	872	1200	50	1050	1990
450	2	460	880	950	1340	56	1150	2180
450	4~8	460	880	950	1340	56	1150	2220
500	2	515	900	1080	1490	65	1200	2600
500	4~8	515	900	1080	1490	65	1200	2400
560	4	600	1030	1170	1680	76	1480	2630
560	6~8	600	1030	1170	1680	76	1480	2680

T20 SERIES TOTALLY ENCLOSED IP55 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-560)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current		Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	6600V A	r/min	COS ϕ	η %	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T20-355XA2	185	245	21.2	19.3	2975	0.89	94.2	7.0	1.8	2.9	2.4	1800
T20-355XB2	200	265	23.1	21.0	2975	0.88	94.6	6.9	1.6	2.7	2.6	1900
T20-355XC2	220	290	25.4	23.1	2975	0.88	94.8	6.8	1.7	2.8	2.7	2000
T20-355XD2	250	330	28.8	26.2	2975	0.88	94.9	6.6	1.5	2.6	3.0	2100
T20-355XE2	280	370	32.2	29.3	2975	0.88	95.1	6.9	1.7	2.8	3.3	2200
T20-355XA4	185	245	22.5	20.5	1480	0.84	94.1	7.0	1.4	3.1	5.0	1800
T20-355XB4	200	265	24.0	21.8	1480	0.85	94.4	6.7	1.7	3.3	6.0	1900
T20-355XC4	220	290	26.4	24.0	1480	0.85	94.5	6.4	1.5	3.2	7.0	2000
T20-355XD4	250	330	29.5	26.8	1480	0.86	94.9	6.8	1.4	3.1	8.0	2100
T20-355XE4	280	370	33.7	30.3	1480	0.85	95.1	7.0	1.3	3.4	9.0	2200
T20-355XA6	160	210	20.2	18.4	985	0.81	94.1	5.1	1.2	2.6	8.0	2100
T20-355XB6	185	245	23.3	21.2	985	0.81	94.2	5.7	1.3	2.7	9.0	2200
T20-355XC6	200	265	24.9	22.6	985	0.82	94.3	5.5	1.2	2.6	10	2300
T20-400XA2	315	420	37.2	33.8	2980	0.86	94.8	6.9	1.4	3.4	4.5	2800
T20-400XB2	355	470	40.8	37.1	2980	0.88	95.2	7.0	1.5	3.6	5.0	2900
T20-400XC2	400	530	46.5	42.2	2980	0.87	95.2	6.6	1.6	3.3	5.5	3000
T20-400XD2	450	600	52.3	47.5	2980	0.87	95.2	6.7	1.5	3.1	6.0	3100
T20-400XA4	315	420	36.3	33.0	1485	0.88	94.9	6.2	1.2	2.7	10	2900
T20-400XB4	355	470	40.9	37.1	1485	0.88	95.0	6.4	1.3	2.9	11	3000
T20-400XC4	400	530	45.9	41.8	1485	0.88	95.2	6.1	1.1	2.6	12	3100
T20-400XD4	450	600	51.6	46.9	1485	0.88	95.3	6.0	1.0	2.4	13	3200
T20-400XA6	220	290	26.9	24.4	990	0.84	93.8	5.4	1.0	2.4	12	2800
T20-400XB6	250	330	30.5	27.7	990	0.84	93.9	5.6	1.1	2.5	14	2900
T20-400XC6	280	370	34.1	31.0	990	0.84	94.1	5.3	1.0	2.3	16	3000
T20-400XD6	315	420	38.3	34.8	990	0.84	94.3	5.9	1.2	2.6	18	3200
T20-400XA8	160	210	21.7	19.8	740	0.76	93.2	4.9	1.0	2.3	14	2900
T20-400XB8	185	245	25.1	22.8	740	0.76	93.3	4.7	1.0	2.4	15	3000
T20-400XC8	200	265	26.7	24.3	740	0.77	93.5	5.1	1.1	2.6	16	3100
T20-400XD8	220	290	29.3	26.7	740	0.77	93.7	5.4	1.2	2.6	18	3200
T20-450XA2	500	665	58.0	52.8	2980	0.87	95.3	6.9	1.2	2.9	10	3400
T20-450XB2	560	745	64.9	59.0	2980	0.87	95.4	6.7	1.4	2.8	11	3500
T20-450XC2	630	840	73.0	66.3	2980	0.87	95.5	6.9	1.3	2.7	12	3600
T20-450XD2	710	945	82.1	74.6	2980	0.87	95.7	7.0	1.1	2.6	13	3700
T20-450XA4	500	665	58.7	53.4	1485	0.86	95.3	5.3	1.4	3.2	20	3500
T20-450XB4	560	745	65.5	59.6	1485	0.86	95.6	5.1	1.5	2.6	22	3600
T20-450XC4	630	840	73.4	66.8	1485	0.86	96.0	5.8	1.5	3.1	24	3700
T20-450XD4	710	945	81.7	74.3	1485	0.87	96.1	6.4	1.6	2.6	26	3800

T20 SERIES TOTALLY ENCLOSED IP55 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-560)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current		Rated Speed r/min	Power factor COS ϕ	Efficiency η %	Locked Current Rated Current	Locked Torque Rated Torque	Maximum Torque Rated Torque	Moment of inertia J kgm ²	weight kg
	kW	HP	6000V A	6600V A								
T20-450XA6	355	470	42.8	38.9	985	0.84	95.0	5.7	0.9	2.4	26	3400
T20-450XB6	400	530	47.5	43.2	985	0.85	95.3	5.6	0.8	2.3	28	3500
T20-450XC6	450	660	52.4	47.7	985	0.86	96.0	5.4	0.8	2.5	30	3600
T20-450XD6	500	665	59.0	53.7	985	0.85	95.9	6.0	0.9	2.1	32	3700
T20-450XA8	250	330	32.8	29.9	740	0.78	93.9	5.3	1.0	2.3	26	3400
T20-450XB8	280	370	36.7	33.4	740	0.78	94.1	5.2	0.9	2.2	26	3500
T20-450XC8	315	420	41.3	37.5	740	0.78	94.2	5.3	0.9	2.4	30	3600
T20-450XD8	355	470	46.4	42.2	740	0.78	94.4	5.4	1.0	2.4	32	3700
T20-500XA2	800	1065	91.5	83.2	2980	0.88	95.6	6.7	0.8	2.4	16	4300
T20-500XB2	900	1200	102.8	93.5	2980	0.88	95.7	6.2	0.7	2.4	17	4400
T20-500XC2	1000	1335	114	103.7	2980	0.88	95.8	6.7	0.8	2.3	19	4600
T20-500XD2	1120	1490	127.6	116	2980	0.88	96.0	6.9	0.8	2.3	21	4800
T20-500XA4	800	1065	93.5	85.0	1485	0.86	95.7	5.9	1.2	2.6	38	4500
T20-500XB4	900	1200	105.1	95.6	1485	0.86	95.8	6.2	1.1	2.5	41	4700
T20-500XC4	1000	1335	116.7	106.1	1485	0.86	95.9	5.8	1.1	2.4	44	5200
T20-500XD4	1120	1490	130.5	118.7	1485	0.86	96.0	6.3	1.2	2.7	47	5400
T20-500XA6	560	745	66.7	60.6	990	0.85	95.1	5.9	1.4	2.7	46	4300
T20-500XB6	630	840	74.9	68.1	990	0.85	95.2	5.7	1.3	2.5	50	4500
T20-500XC6	710	945	84.3	76.7	990	0.85	95.3	5.5	1.2	2.3	58	4700
T20-500XD6	800	1065	94.9	86.3	990	0.85	95.4	5.4	1.1	2.1	62	4900
T20-500XA8	400	530	51.6	46.9	740	0.79	94.5	4.9	1.0	2.3	50	4400
T20-500XB8	450	600	57.9	52.7	740	0.79	94.6	4.8	0.9	2.0	54	4600
T20-500XC8	500	665	63.4	57.7	740	0.8	94.8	5.3	1.0	2.2	58	4800
T20-500XD8	560	745	71.0	64.5	740	0.8	94.9	5.1	1.0	2.2	62	4900
T20-560XA4	1250	1665	143.9	130.8	1490	0.87	96.1	6.3	0.9	2.1	65	5600
T20-560XB4	1400	1865	161.0	146.3	1490	0.87	96.2	6.4	1.0	2.3	70	5900
T20-560XC4	1600	2130	183.6	166.9	1490	0.87	96.4	6.1	1.0	2.3	75	6400
T20-560XA6	900	1200	107.8	98.0	990	0.84	95.6	5.4	1.0	2.2	90	5200
T20-560XB6	1000	1335	119.7	108.8	990	0.84	95.7	5.8	1.1	2.3	96	5500
T20-560XC6	1120	1490	133.9	121.8	990	0.84	95.8	5.7	1.1	2.4	108	6000
T20-560XD6	1250	1665	149.3	135.7	990	0.84	95.9	5.9	1.2	2.6	114	6300
T20-560XA8	630	840	78.7	71.5	740	0.81	95.1	4.9	0.9	2.1	90	5400
T20-560XB8	710	945	88.5	80.5	740	0.81	95.3	4.7	1.0	2.3	102	5700
T20-560XC8	800	1065	99.6	90.6	740	0.81	95.4	5.1	1.2	2.5	108	6000
T20-560XD8	900	1200	111.8	101.7	740	0.81	95.6	4.6	1.0	2.1	114	6300

T21 SERIES TOTALLY ENCLOSED IP54 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-560)

• MOUNTING DIMENSIONS FOR INSTALLATION (IP55 . 10kV)

Frame size	Poles	Mounting dimensions									
		A	B	C	D	E	F	G	H	K1	K2
400	2	710 +1.75	1000 +1.75	280 +4.0	85 +0.035	170 +0.50	22 0	76 0	400 0	35 +0.62	42
		-1.75	-1.75	-4.0	+0.013	-0.50	-0.052	-0.2	-1.0	0	
400	4~6	710 +1.75	1000 +1.75	280 +4.0	110 +0.035	210 +0.57	28 0	100 0	400 0	35 +0.62	42
		-1.75	-1.75	-4.0	+0.013	-0.50	-0.052	-0.2	-1.0	0	
450	2	800 +1.75	1120 +1.75	28 +4.0	95 +0.035	170 +0.57	25 0	86 0	450 0	35 +0.62	42
		-1.75	-1.75	-4.0	+0.013	-0.57	-0.052	-0.2	-1.0	0	
450	4~8	800 +1.75	1120 +1.75	280 +4.0	120 +0.035	210 +0.57	32 0	109 0	450 0	35 +0.62	42
		-1.75	-1.75	-4.0	+0.013	-0.57	-0.062	-0.2	-1.0	0	
500	2	900 +2.10	1250 +2.10	315 +4.0	110 +0.035	210 +0.57	28 0	100 0	500 0	42 +0.62	50
		-2.10	-2.10	-4.0	+0.013	-0.57	-0.052	-0.2	-1.0	0	
500	4~8	900 +2.10	1250 +2.10	315 +4.0	130 +0.040	250 +0.57	32 0	119 0	500 0	42 +0.62	50
		-2.10	-2.10	-4.0	+0.015	-0.57	-0.062	-0.2	-1.0	0	
560	2	1000 +2.10	1400 +2.10	355 +4.0	110 +0.040	210 +0.57	28 0	100 0	560 0	42 +0.62	50
		-2.10	-2.10	-4.0	+0.015	-0.57	-0.062	-0.3	-1.0	0	
560	4~8	1000 +2.10	1400 +2.10	355 +4.0	150 +0.040	250 +0.57	36 0	138 0	560 0	42 +0.62	50
		-2.10	-2.10	-4.0	+0.015	-0.57	-0.062	-0.3	-1.0	0	

• OUTLINE DIMENSIONS FOR INSTALLATION (IP55 . 10 kV)

Frame size	Poles	Outline dimensions						
		AC	AD	AB	BB	HA	HD	L
400	2	410	900	870	1200	50	1050	1950
400	4~6	410	900	870	1200	50	1050	1990
450	2	460	980	950	1340	56	1150	2180
450	4~8	460	980	950	1340	56	1150	2220
500	2	515	1000	1080	1490	65	1200	2600
500	4~8	515	1000	1080	1490	65	1200	2400
560	2	600	1130	1170	1680	76	1480	2800
560	4~8	600	1130	1170	1680	76	1480	2630

T21 SERIES TOTALLY ENCLOSED IP55 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-560)

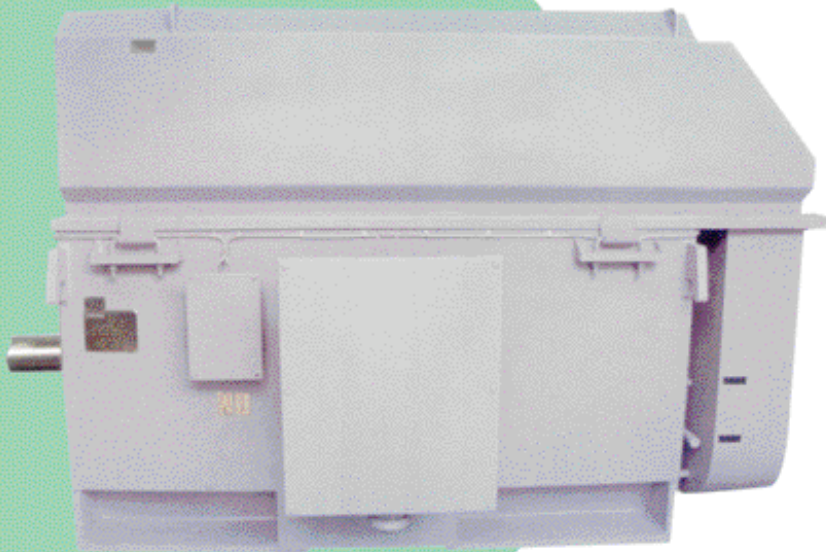
• TECHNICAL SPECIFICATIONS (10kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	1000V A	r/min	COS ϕ	$\eta\%$	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T21-400XA2	220	290	16.0	2978	0.85	93.2	7.0	1.1	2.5	6.1	2800
T21-400XB2	250	330	18.2	2978	0.85	93.3	7.0	1.1	2.5	6.4	2900
T21-400XC2	280	370	20.3	2980	0.85	93.5	7.0	1.1	2.5	6.8	3000
T21-400XD2	315	420	22.8	2980	0.85	93.8	7.0	1.1	2.5	7.3	3100
T21-400XA4	220	290	16.0	1485	0.85	93.5	6.0	1.2	2.5	12.8	2900
T21-400XB4	250	330	18.1	1485	0.85	93.8	6.0	1.2	2.5	13.5	3000
T21-400XC4	280	370	20.2	1486	0.85	94.0	6.0	1.2	2.5	14.9	3100
T21-400XD4	315	420	22.7	1486	0.85	94.2	6.0	1.2	2.5	16.2	3200
T21-450XA2	355	470	25.3	2982	0.86	94.3	7.0	1.0	2.5	11.0	3400
T21-450XB2	400	530	28.5	2982	0.86	94.3	7.0	1.0	2.5	11.5	3500
T21-450XC2	450	600	32.0	2985	0.86	94.5	7.0	1.0	2.5	12.1	3700
T21-450XD2	500	665	35.4	2985	0.86	94.8	7.0	1.0	2.5	12.8	3900
T21-450XA4	355	470	25.5	1488	0.85	94.5	6.5	1.0	2.5	26.6	3500
T21-450XB4	400	530	28.7	1488	0.85	94.8	6.5	1.0	2.5	28.9	3600
T21-450XC4	450	600	32.2	1488	0.85	95.0	6.5	1.2	2.6	31.5	3700
T21-450XD4	500	665	35.7	1490	0.85	95.2	6.5	1.2	2.6	33.7	3800
T21-450XE4	560	745	39.8	1490	0.85	95.5	6.5	1.2	2.6	36.1	4000
T21-450XA6	220	290	16.6	982	0.82	93.5	6.0	1.2	2.6	26.1	3400
T21-450XB6	250	330	18.8	982	0.82	93.5	6.0	1.2	2.6	28	3500
T21-450XC6	280	370	21.0	985	0.82	93.8	6.0	1.2	2.6	30	3600
T21-450XD6	315	420	23.6	985	0.82	93.8	6.0	1.2	2.6	32	3700
T21-450XE6	355	470	26.6	985	0.82	94.0	5.5	1.2	2.6	35	3900
T21-450XA8	220	290	17.9	740	0.76	93.2	6.0	1.2	2.5	50	3400
T21-450XB8	250	330	20.3	740	0.76	93.5	6.0	1.2	2.5	56.2	3500
T21-450XC8	280	370	22.7	740	0.76	93.8	6.0	1.2	2.5	62	3700
T21-500XA2	560	745	39.1	2988	0.87	95.0	7.0	0.9	2.3	23.8	4300
T21-500XB2	630	840	43.9	2988	0.87	95.2	7.0	0.9	2.3	25.4	4400
T21-500XC2	710	945	49.4	2988	0.87	95.3	7.0	0.9	2.3	27	4500
T21-500XD2	800	1065	55.0	2990	0.88	95.5	7.0	0.9	2.3	28.5	4700
T21-500XE2	900	1200	61.6	2990	0.88	95.8	7.0	0.9	2.3	30	4900
T21-500XA4	560	745	39.3	1490	0.86	95.6	6.0	1.1	2.5	50	4500
T21-500XB4	630	840	44.1	1490	0.86	95.8	6.0	1.1	2.5	54	4700
T21-500XC4	710	945	49.7	1490	0.86	96.0	6.0	1.1	2.5	58	4900
T21-500XD4	800	1065	55.2	1492	0.87	96.2	6.0	1.0	2.3	63	5200
T21-500XE4	900	1200	62.1	1492	0.87	96.2	6.0	1.0	2.3	69	5400
T21-500XA6	400	530	29.5	985	0.83	94.3	5.5	1.1	2.5	55.7	4300
T21-500XB6	450	600	33.1	988	0.83	94.5	5.5	1.1	2.5	57.1	4500
T21-500XC6	500	665	36.8	988	0.83	94.5	5.5	1.1	2.5	60	4700
T21-500XD6	560	745	41.1	990	0.83	94.8	5.5	1.1	2.5	63.2	4900
T21-500XE6	630	840	46.1	990	0.83	95.0	5.5	1.1	2.5	66.6	5000

T21 SERIES TOTALLY ENCLOSED IP55 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-560)

• TECHNICAL SPECIFICATIONS (10kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	1000V A	r/min	COS ϕ	η %	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T21-500XA8	315	420	24.8	742	0.78	94.0	5.5	1.1	2.5	75	4400
T21-500XB8	355	470	28.0	742	0.78	94.1	5.5	1.1	2.5	81	4600
T21-500XC8	400	530	31.0	745	0.79	94.2	5.5	1.1	2.5	89	4800
T21-500XD8	450	600	34.9	745	0.79	94.3	5.5	1.1	2.5	98	5000
T21-560XA2	1000	1335	68.3	2990	0.88	96.0	7.0	0.9	2.3	37.1	5600
T21-560XB2	1120	1490	76.5	2990	0.88	96.0	7.0	0.9	2.3	39.5	5900
T21-560XC2	1250	1665	84.3	2992	0.89	96.2	7.0	0.9	2.3	41.8	6200
T21-560XD2	1400	1865	94.3	2992	0.89	96.3	7.0	0.9	2.3	45	6400
T21-560XA4	1000	1335	68.8	1492	0.87	96.4	6.0	1.0	2.3	96.5	5600
T21-560XB4	1120	1490	77.0	1492	0.87	96.5	6.0	1.0	2.3	105	5900
T21-560XC4	1250	1665	85.9	1492	0.87	96.6	6.0	1.0	2.3	111	6200
T21-560XD4	1400	1865	96.1	1492	0.87	96.7	6.0	1.0	2.3	121	6400
T21-560XA6	710	945	51.2	990	0.84	95.3	5.5	1.0	2.3	95	5300
T21-560XB6	800	1065	57.6	990	0.84	95.5	5.5	1.0	2.3	102	5500
T21-560XC6	900	1200	64.6	992	0.84	95.8	5.5	1.0	2.3	110	6000
T21-560XD6	1000	1335	71.7	992	0.84	95.8	5.5	1.0	2.3	121	6300
T21-560XE6	1120	1490	80.2	992	0.84	96.0	5.5	1.0	2.3	132	6500
T21-560XA8	500	665	38.7	745	0.79	94.5	5.0	1.0	2.3	117.5	5400
T21-560XB8	560	745	43.2	745	0.79	94.8	5.0	1.0	2.3	135	5700
T21-560XC8	630	840	47.9	745	0.80	95.0	5.0	1.0	2.3	147	6000
T21-560XD8	710	945	53.8	745	0.80	95.3	5.0	1.0	2.3	151	6300
T21-560XE8	800	1065	60.5	745	0.80	95.5	5.0	1.0	2.3	167	6700



T30 SERIES TOTALLY ENCLOSED AIR-AIR COOLING IP44 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-560)

• MOUNTING DIMENSIONS FOR INSTALLATION (IP44 . 6kV)

Frame size	Poles	Mounting dimensions																	
		A		B		C		D		E		F		G		H		K	
355	2	630	+1.40	900	+1.40	315	+4.0	80	+0.030	170	+0.50	22	0	71	0	355	0	28	+0.52
			-1.40		-1.40		-4.0		+0.011		-0.50		-0.052		-0.2		-1.0		0
355	4-6	630	+1.40	900	+1.40	315	+4.0	100	+0.035	210	+0.57	28	0	90	0	355	0	28	+0.52
			-1.40		-1.40		-4.0		+0.013		-0.57		-0.052		-0.2		-1.0		0
400	2	710	+1.75	1000	+1.75	375	+4.0	90	+0.035	170	+0.50	25	0	81	0	400	0	35	+0.62
			-1.75		-1.75		-4.0		+0.013		-0.50		-0.052		-0.2		-1.0		0
400	4-8	710	+1.75	1000	+1.75	335	+4.0	110	+0.035	210	+0.57	28	0	100	0	400	0	35	+0.62
			-1.75		-1.75		-4.0		+0.013		-0.57		-0.052		-0.2		-1.0		0
450	2	800	+1.75	1120	+1.75	400	+4.0	100	+0.035	210	+0.57	28	0	90	0	450	0	35	+0.62
			-1.75		-1.75		-4.0		+0.013		-0.57		-0.052		-0.2		-1.0		0
450	4	800	+1.75	1120	+1.75	355	+4.0	120	+0.035	210	+0.57	32	0	109	0	450	0	35	+0.62
			-1.75		-1.75		-4.0		+0.013		-0.57		-0.062		-0.2		-1.0		0
450	6-12	800	+1.75	1120	+1.75	355	+4.0	130	+0.040	250	+0.57	32	0	119	0	450	0	35	+0.62
			-1.75		-1.75		-4		+0.015		-0.57		-0.062		-0.2		-1.0		0
500	4	900	+2.10	1250	+2.10	475	+4.0	130	+0.040	250	+0.57	32	0	119	0	500	0	42	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.57		-0.062		-0.2		-1.0		0
500	6-12	900	+2.10	1250	+2.10	475	+4.0	140	+0.040	250	+0.57	36	0	128	0	500	0	42	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.57		-0.062		-0.3		-1.0		0
560	4	1000	+2.10	1400	+2.10	500	+4.0	150	+0.040	250	+0.57	36	0	138	0	560	0	42	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.57		-0.062		-0.3		-1.0		0
560	6-12	1000	+2.10	1400	+2.10	500	+4.0	160	+0.040	300	+0.65	40	0	147	0	560	0	42	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.65		-0.062		-0.3		-1.0		0
630	4	1120	+2.10	1600	+2.10	530	+4.0	170	+0.040	300	+0.65	40	0	157	0	630	0	48	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.65		-0.062		-0.3		-1.0		0
630	6-12	1120	+2.10	1600	+2.10	530	+4.0	180	+0.040	300	+0.65	45	0	165	0	630	0	48	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.65		-0.062		-0.3		-1.0		0

• OUTLINE DIMENSIONS FOR INSTALLATION (IP44 . 6kV)

Frame size	Poles	Outline dimensions						
		AC	AD	AB	BB	HA	HD	L
355	2	505	790	780	1350	25	1300	2150
355	4~6	505	790	780	1400	25	1300	2200
400	2	565	850	900	1450	26	1550	1970
400	4~8	565	850	900	1510	26	1550	2080
450	2	605	890	980	1530	28	1650	2280
450	4	605	890	980	1640	28	1650	2350
450	6~12	605	890	980	1640	26	1650	2460
500	4~12	675	950	1112	1900	26	1900	2720
560	4	750	1010	1220	1938	45	2250	2910
560	6~12	750	1010	1220	1938	45	2250	2960
630	4~12	850	1120	1410	2140	50	2530	3150

T30 SERIES TOTALLY ENCLOSED AIR-AIR COOLING IP44 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COSφ	η%	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T30-355XA2	220	290	26.2	2975	0.87	92.8	6.9	1.4	2.9	3.5	2030
T30-355XB2	250	330	29.4	2975	0.88	92.9	6.4	1.4	2.9	3.8	2110
T30-355XC2	280	370	32.8	2975	0.88	93.3	6.7	1.3	2.7	4.0	2280
T30-355XD2	315	420	36.8	2975	0.88	93.7	6.9	1.3	2.8	4.3	2460
T30-355XA4	185	245	22.2	1485	0.86	93.2	6.8	1.4	2.9	4.7	2140
T30-355XB4	200	265	23.9	1480	0.86	93.5	7.0	1.4	3.0	4.8	2140
T30-355XC4	220	290	26.3	1480	0.86	93.7	6.7	1.4	3.2	5.0	2200
T30-355XD4	250	330	29.1	1480	0.88	94.1	7.4	1.7	3.1	5.7	2300
T30-355XA6	185	245	23.4	985	0.82	92.7	5.7	1.2	2.5	9.3	2230
T30-355XB6	200	265	25.0	985	0.83	92.9	5.5	1.2	2.4	9.5	2270
T30-400XA2	355	470	41.9	2980	0.87	93.7	6.7	1.0	3.0	5.2	2580
T30-400XB2	400	530	47.1	2980	0.87	94.0	7.9	1.4	3.5	5.5	2730
T30-400XC2	450	600	51.1	2980	0.90	94.2	6.3	0.9	3.1	5.8	2990
T30-400XD2	500	665	57.3	2980	0.89	94.4	6.8	1.1	2.5	6.2	3220
T30-400XA4	280	370	31.6	1485	0.91	93.6	7.2	1.5	3.3	12	2620
T30-400XB4	315	420	36.8	1485	0.88	93.7	7.4	0.8	3.2	12	2750
T30-400XC4	355	470	41.3	1485	0.88	94.0	6.6	1.3	2.9	13	2900
T30-400XD4	400	530	45.9	1485	0.89	94.3	5.2	1.1	2.6	14	2960
T30-400XE4	450	600	52.1	1485	0.88	94.5	5.7	1.2	2.8	16	3120
T30-400XA6	185	245	23.1	990	0.83	93.0	6.2	1.3	2.5	13	3140
T30-400XB6	200	265	24.8	990	0.83	93.6	6.3	1.3	2.6	14	3140
T30-400XC6	220	290	26.8	990	0.84	93.9	6.6	1.3	2.9	15	3350
T30-400XD6	250	330	30.9	990	0.83	94.0	6.5	1.2	3.0	16	3350
T30-400XE6	280	370	34.1	990	0.84	94.0	5.5	1.1	2.2	16	3500
T30-400XF6	315	420	37.9	990	0.85	94.1	5.6	1.1	2.1	17	3630
T30-400XA8	185	245	24.6	740	0.78	92.6	5.3	1.2	2.2	20	3220
T30-400XB8	200	265	26.5	740	0.78	93.0	5.3	1.2	2.3	20	3340
T30-400XC8	220	290	29.1	740	0.78	93.2	5.2	1.1	2.3	21	3480
T30-450XA2	560	745	65.5	2980	0.87	94.6	6.6	1.0	2.3	13	3630
T30-450XB2	630	840	72.7	2980	0.88	94.8	6.7	1.1	2.3	14	3720
T30-450XC2	710	945	81.8	2980	0.88	94.9	6.9	1.2	2.5	16	3850
T30-450XD2	800	1065	91.0	2980	0.89	95.0	6.7	1.1	2.3	18	3980
T30-450XA4	500	665	57.0	1485	0.89	94.8	6.4	1.4	3.3	16	3700
T30-450XB4	560	745	63.2	1485	0.90	94.8	6.6	1.4	2.9	17	3790
T30-450XC4	630	840	71.8	1485	0.89	94.9	6.3	1.4	2.7	19	3880
T30-450XD4	710	945	80.7	1485	0.89	95.1	62	1.2	2.6	20	4020

T30 SERIES TOTALLY ENCLOSED AIR-AIR COOLING IP44 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COS ϕ	$\eta\%$	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T30-450XA6	355	470	42.8	985	0.85	94.0	5.4	1.0	2.3	24	3900
T30-450XB6	400	530	47.5	985	0.86	94.3	5.6	1.1	2.6	25	4200
T30-450XC6	450	600	53.3	985	0.86	94.5	5.7	1.2	2.6	26	4300
T30-450XD6	500	665	58.4	985	0.87	94.7	5.9	1.3	2.7	28	4530
T30-450XA8	250	330	32.7	740	0.79	93.2	5.4	1.1	2.5	25	3890
T30-450XB8	280	370	36.0	740	0.80	93.5	5.5	1.2	2.6	27	4100
T30-450XC8	315	420	40.4	740	0.80	93.7	5.4	1.1	2.4	29	4340
T30-450XD8	355	470	44.9	740	0.81	94.0	5.5	1.2	2.5	31	4600
T30-450XA10	185	245	25.2	585	0.76	92.9	5.3	1.0	2.7	25	3850
T30-450XB10	200	265	26.8	585	0.77	93.2	5.4	1.0	2.6	27	3970
T30-450XC10	220	290	29.1	585	0.78	93.4	5.7	1.1	2.7	29	4110
T30-450XD10	250	330	32.9	585	0.78	93.7	5.4	1.0	2.5	31	4250
T30-450XE10	280	370	36.1	585	0.79	94.4	5.4	1.0	2.7	25	4430
T30-450XA12	185	245	26.5	490	0.73	92.0	4.7	1.0	2.1	40	4130
T30-450XB12	200	265	29.0	490	0.72	92.2	4.9	0.9	2.0	42	4270
T30-500XA4	800	1065	92.1	1485	0.88	95.0	6.1	1.0	2.1	29	4980
T30-500XB4	900	1200	103.4	1485	0.88	95.2	6.3	1.0	2.2	32	5120
T30-500XC4	1000	1335	114.6	1485	0.88	95.4	6.4	0.9	2.0	34	5340
T30-500XD4	1120	1490	128.2	1485	0.88	95.5	6.2	1.0	2.2	37	5580
T30-500XA6	560	745	66.2	990	0.86	94.6	5.4	1.0	2.7	42	4380
T30-500XB6	630	840	75.2	990	0.85	94.8	5.7	1.0	2.3	45	4520
T30-500XC6	710	945	84.6	990	0.85	95.0	5.2	1.0	2.1	47	4680
T30-500XD6	800	1065	95.1	990	0.85	95.2	5.5	1.0	2.1	50	4870
T30-500XA8	400	530	49.4	740	0.83	93.9	4.9	0.9	2.2	46	4470
T30-500XB8	450	600	54.8	740	0.84	94.1	4.9	0.9	2.4	50	4560
T30-500XC8	500	665	60.7	740	0.84	94.3	4.7	0.8	2.1	53	4730
T30-500XD8	560	745	67.9	740	0.84	94.5	4.9	0.9	2.4	57	4920
T30-500XA10	315	420	41.2	585	0.79	93.1	5.1	1.2	2.5	54	4870
T30-500XB10	355	470	46.3	585	0.79	93.3	5.2	1.3	2.5	58	4990
T30-500XC10	400	530	51.3	585	0.80	93.7	5.2	1.3	2.5	63	5130
T30-500XD10	450	600	57.7	585	0.80	93.8	5.4	1.4	2.7	66	5310
T30-500XA12	220	290	31.6	490	0.72	93.0	4.8	1.4	2.1	51	4860
T30-500XB12	250	330	35.3	490	0.73	93.3	4.9	1.5	2.1	55	5020
T30-500XC12	280	370	38.9	490	0.74	93.6	4.6	1.6	1.9	60	5190
T30-500XD12	315	420	43.5	490	0.74	94.1	4.5	1.5	1.9	67	5400

T30 SERIES TOTALLY ENCLOSED AIR-AIR COOLING IP44 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COSφ	η%	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T30-560XA4	1250	1665	143.9	1485	0.88	95.0	6.2	0.8	2.2	55	8530
T30-560XB4	1400	1865	160.6	1485	0.88	95.3	6.4	0.8	2.1	60	8780
T30-560XC4	1600	2130	183.4	1485	0.88	95.4	6.0	0.9	2.2	65	9120
T30-560XA6	900	1200	107.3	990	0.85	95.0	6.3	0.8	2.0	74	8790
T30-560XB6	1000	1335	119.0	990	0.85	95.1	5.9	0.8	2.0	79	9020
T30-560XC6	1120	1490	133.2	990	0.85	95.2	6.0	0.8	2.2	85	9310
T30-560XA8	630	840	78.2	740	0.82	94.5	5.4	0.9	2.2	88	8470
T30-560XB8	710	945	88.1	740	0.82	94.5	5.2	0.8	2.1	94	8610
T30-560XC8	800	1065	98.9	740	0.82	94.9	5.6	0.9	2.2	100	8950
T30-560XA10	500	665	65.3	590	0.78	94.5	4.9	0.8	2.1	103	9020
T30-560XB10	560	745	73.0	590	0.78	94.7	4.8	0.9	2.3	112	9290
T30-560XC10	630	840	79.9	590	0.80	94.9	4.6	0.9	2.6	120	9580
T30-560XD10	710	945	90.1	590	0.80	94.9	4.7	0.9	2.8	129	9890
T30-560XA12	355	470	49.6	490	0.74	93.0	4.3	0.9	2.3	111	8920
T30-560XB12	400	530	55.8	490	0.74	93.3	4.5	0.8	2.2	121	9140
T30-560XC12	450	600	62.7	490	0.74	93.4	4.6	0.9	2.2	132	9410
T30-560XD12	500	665	69.4	490	0.74	93.7	5.1	0.8	2.1	145	9680
T30-630XA4	1800	2400	206.1	1485	0.88	95.5	5.9	0.8	2.0	126	9140
T30-630XB4	2000	2665	228.8	1485	0.88	95.6	5.7	0.8	1.9	140	9410
T30-630XC4	2240	2985	255.9	1485	0.88	95.7	5.2	0.8	2.1	156	9650
T30-630XA6	1250	1665	146.8	990	0.86	95.3	5.1	0.9	1.9	140	9100
T30-630XB6	1400	1865	164.2	990	0.86	95.4	5.3	1.0	2.0	151	9530
T30-630XC6	1600	2130	187.5	990	0.86	95.5	5.4	1.0	2.0	164	9870
T30-630XA8	900	1200	108.8	740	0.84	94.8	4.9	0.9	2.0	152	8800
T30-630XB8	1000	1335	120.7	740	0.84	94.9	5.1	1.0	2.1	163	9130
T30-630XC8	1120	1490	135.1	740	0.84	95.0	4.8	0.9	2.0	175	9450
T30-630XD8	1250	1665	150.6	740	0.84	95.1	4.9	0.8	1.9	188	9900
T30-630XA10	800	1065	102.2	590	0.80	94.2	0.4	0.8	1.9	171	8500
T30-630XB10	900	1200	114.8	590	0.80	94.3	4.6	0.8	1.9	186	8700
T30-630XC10	1000	1335	127.4	590	0.80	94.4	4.3	0.9	2.0	202	9300
T30-630XD10	1120	1490	142.4	590	0.80	94.6	4.7	0.9	2.0	219	9700
T30-630XA12	560	745	75.6	490	0.76	93.8	5.7	0.9	2.0	208	9200
T30-630XB12	630	840	84.9	490	0.76	93.9	5.4	0.9	1.9	222	9480
T30-630XC12	710	945	95.6	490	0.76	94.0	5.8	0.8	1.8	238	9680
T30-630XD12	800	1065	107.5	490	0.76	94.2	5.1	0.9	1.9	255	9900

T31 SERIES TOTALLY ENCLOSED AIR-AIR COOLING IP44 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H3400-560)

• MOUNTING DIMENSIONS FOR INSTALLATION (IP44 . 10kV)

Frame size	Poles	Mounting dimensions																	
		A		B		C		D		E		F		G		H		K	
400	2	710	+1.75 -1.75	1000	+1.75 -1.75	375	+4.0 -4.0	80	+0.035 +0.013	170	+0.50 -0.50	22	0 -0.052	71	0 -0.2	400	0 -1.0	35	+0.62 0
400	4~8	710	+1.75 -1.75	1000	+1.75 -1.75	335	+4.0 -4.0	110	+0.035 +0.013	210	+0.57 -0.57	28	0 -0.052	100	0 -0.2	400	0 1.0	35	+0.62 0
400	2	800	+1.75 -1.75	1120	+1.75 -1.75	400	+4.0 -4.0	90	+0.035 +0.013	170	+0.50 -0.50	25	0 -0.052	81	0 -0.2	450	0 -1.0	35	+0.62 0
450	4~8	800	+1.75 -1.75	1120	+1.75 -1.75	355	+4.0 -4.0	110	+0.035 +0.013	210	+0.57 -0.57	28	0 -0.052	100	0 -0.2	450	0 -1.0	35	+0.62 0
500	2	900	+2.10 -2.10	1250	+2.10 -2.10	560	+4.0 -4.0	100	+0.035 +0.013	210	+0.57 -0.57	28	0 -0.052	90	0 -0.2	500	0 -1.0	42	+0.62 0
500	4	900	+2.10 -2.10	1250	+2.10 -2.10	475	+4.0 -4.0	120	+0.035 +0.013	210	+0.57 -0.57	32	0 -0.062	109	0 -0.2	500	0 -1.0	42	+0.62 0
500	6~10	900	+2.10 -2.10	1250	+2.10 -2.10	475	+4.0 -4.0	130	+0.040 +0.015	250	+0.57 -0.57	32	0 -0.062	119	0 -0.3	500	0 -1.0	42	+0.62 0
560	4	1000	+2.10 -2.10	1400	+2.10 -2.10	500	+4.0 -4.0	150	+0.040 +0.015	250	+0.57 -0.57	32	0 -0.062	138	0 -0.3	560	0 -1.0	42	+0.62 0
560	6~12	1000	+2.10 -2.10	1400	+2.10 -2.10	500	+4.0 -4.0	160	+0.040 +0.015	300	+0.65 -0.65	40	0 -0.062	147	0 -0.3	560	0 -1.0	42	+0.62 0
630	4	1120	+2.10 -2.10	1600	+2.10 -2.10	530	+4.0 -4.0	170	+0.040 +0.015	300	+0.65 -0.65	40	0 -0.062	157	0 -0.3	630	0 -1.0	48	+0.62 0
630	6~12	1120	+2.10 -2.10	1600	+2.10 -2.10	530	+4.0 -4.0	180	+0.040 +0.015	300	+0.65 -0.65	45	0 -0.062	165	0 -0.3	630	0 -1.0	48	+0.62 0

• OUTLINE DIMENSIONS FOR INSTALLATION (IP44 . 10kV)

Frame size	Poles	Outline dimensions						
		AC	AD	AB	BB	HA	HD	L
400	2	565	850	900	1450	26	1550	1970
400	4~6	565	850	900	1510	26	1550	2080
450	2	605	890	980	1530	28	1650	2280
450	4	605	890	980	1640	26	1650	2350
450	6~8	605	890	980	1640	26	1650	2460
500	4	665	950	1100	1900	26	1900	2680
500	6~10	665	950	1100	1900	26	1900	2720
560	4	750	1000	1220	1950	45	2250	2910
560	6~12	750	1000	1220	1950	45	2250	2960
630	4~12	850	1120	1410	2155	50	2530	3150

T31 SERIES TOTALLY ENCLOSED AIR-AIR COOLING IP44 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-560)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 10kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	10000V A	r/min	COSφ	η%	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T31-400XA2	200	265	14.6	2975	0.86	92.2	6.7	1.2	3.1	4.8	2900
T31-400XB2	220	290	16.0	2975	0.86	92.4	6.9	1.4	3.3	5.1	2900
T31-400XC2	250	330	18.1	2975	0.86	92.5	6.6	1.1	3.0	5.5	2985
T31-400XA4	200	265	15.0	1485	0.83	92.6	7.2	1.6	3.1	8.5	2870
T31-400XB4	220	290	16.6	1485	0.83	92.1	6.9	1.5	3.0	8.8	2940
T31-400XC4	250	330	18.8	1485	0.83	92.5	7.0	1.6	3.3	9.2	3025
T31-450XA2	280	370	19.8	2975	0.88	92.7	6.6	1.0	3.0	10.6	3410
T31-450XB2	315	420	22.2	2975	0.88	92.9	6.5	1.0	3.0	11	3490
T31-450XC2	355	470	24.8	2980	0.89	92.9	6.6	1.0	3.1	11.3	3575
T31-450XD2	400	530	27.9	2980	0.89	93.1	6.9	1.1	3.1	11.8	3660
T31-450XE2	450	600	31.3	2980	0.89	93.2	6.7	1.1	3.0	12	3750
T31-450XF2	500	665	34.7	2980	0.89	93.4	6.4	1.0	2.9	12.6	3840
T31-450XA4	280	370	20.6	1485	0.85	92.5	6.5	1.0	2.6	13.6	3310
T31-450XB4	315	420	22.2	1485	0.88	93.1	6.7	1.1	2.5	14.5	3425
T31-450XC4	355	470	25.0	1485	0.88	93.2	6.6	1.1	2.9	15	3485
T31-450XD4	400	530	28.4	1485	0.87	93.5	7.0	1.2	2.9	16	3605
T31-450XE4	450	600	31.8	1485	0.87	93.8	6.8	1.1	2.8	17	3650
T31-450XF4	500	665	34.9	1485	0.88	94.0	7.9	1.3	3.0	18.1	3730
T31-450XA6	250	330	18.5	980	0.84	93.0	6.3	1.1	2.7	22	4850
T31-450XB6	280	370	20.7	980	0.84	93.1	6.7	1.2	2.7	22.7	4980
T31-450XC6	315	420	23.4	980	0.83	93.7	6.9	1.2	2.9	24.3	5130
T31-450XD6	355	470	26.0	980	0.84	93.8	7.2	1.3	2.9	25.1	5290
T31-450XA8	220	290	18.3	745	0.75	92.5	5.7	1.2	2.8	31	4800
T31-450XB8	250	330	20.8	745	0.75	92.7	5.7	1.2	2.7	32	4950
T31-500XA2	560	745	38.8	2980	0.89	93.6	6.7	0.9	2.3	20	4780
T31-500XB2	630	840	42.7	2980	0.91	93.7	6.9	0.9	2.1	21	4870
T31-500XC2	710	945	48.6	2980	0.90	93.8	6.4	0.8	2.1	22	4980
T31-500XD2	800	1065	54.7	2980	0.90	93.9	7.2	1.0	2.0	23	5110
T31-500XE2	900	1200	61.4	2980	0.90	94.0	6.9	0.9	2.2	24	5270
T31-500XA4	560	745	40.1	1485	0.86	93.7	6.2	1.0	2.1	28	4830
T31-500XB4	630	840	45.0	1485	0.86	93.9	6.3	0.9	2.0	28.6	5170
T31-500XC4	710	945	50.6	1485	0.86	94.2	6.7	1.1	2.3	30	5420
T31-500XD4	800	1065	56.9	1485	0.86	94.4	6.0	1.0	2.2	31.2	5680
T31-500XE4	900	1200	63.2	1485	0.87	94.5	6.5	1.2	2.9	32.5	5930
T31-500XA6	400	530	29.7	995	0.83	93.6	6.7	1.1	3.2	40	4860
T31-500XB6	450	600	32.7	995	0.85	93.6	6.6	0.9	3.2	43	5000
T31-500XC6	500	665	35.7	995	0.86	94.0	6.7	1.0	2.9	46	5150
T31-500XD6	560	745	39.2	995	0.87	94.8	6.7	1.0	3.1	49	5340
T31-500XE6	630	840	44.1	995	0.87	94.9	6.3	1.0	2.7	51	5530

T31 SERIES TOTALLY ENCLOSED AIR-AIR COOLING IP44 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-560)

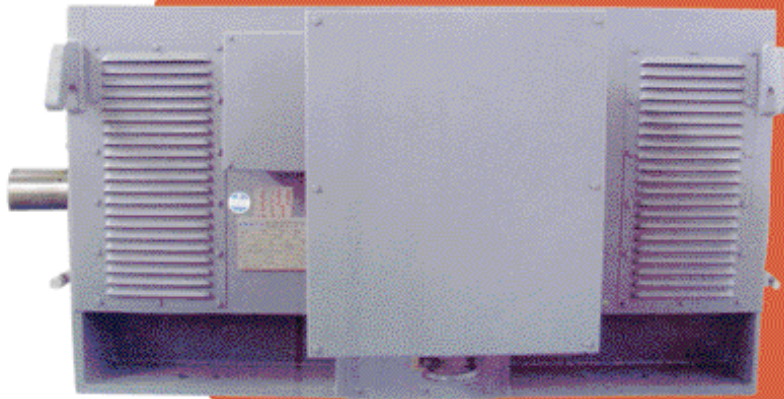
• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 10kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	10000V A	r/min	COS ϕ	$\eta\%$	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T31-500XA8	250	330	19.7	745	0.79	92.9	6.0	1.1	2.7	39	5035
T31-500XB8	280	370	21.7	745	0.80	93.0	5.5	1.0	2.4	41	5090
T31-500XC8	315	420	24.1	745	0.81	93.2	5.6	1.2	2.4	43	5240
T31-500XD8	355	470	27.4	745	0.80	93.4	5.7	1.2	2.4	45	5410
T31-500XE8	400	530	30.5	745	0.81	93.6	6.1	1.3	2.5	47	5200
T31-500XF8	450	600	34.2	745	0.81	93.7	5.6	1.0	2.9	50	5220
T31-500XG8	500	665	38.0	745	0.81	93.8	6.3	1.2	2.5	52	5310
T31-500XA10	220	290	17.9	595	0.77	92.0	5.8	1.1	3.0	48	4850
T31-500XB10	250	330	19.9	595	0.79	92.0	5.7	1.0	3.0	50	4900
T31-500XC10	280	370	22.2	595	0.79	92.3	5.4	1.0	2.7	52	4980
T31-500XD10	315	420	24.6	595	0.80	92.5	5.2	1.0	2.6	54	5120
T31-560XA4	1000	1335	70.2	1490	0.87	94.6	5.1	0.7	2.0	40	8300
T31-560XB4	1120	1490	78.5	1490	0.87	94.7	5.3	0.8	2.1	46	8600
T31-560XC4	1250	1665	86.6	1490	0.88	94.7	5.5	0.9	2.3	54	9000
T31-560XD4	1400	1865	96.8	1490	0.88	94.9	5.9	1.0	2.5	59	9500
T31-560XA6	710	945	51.7	995	0.84	94.4	5.6	0.7	2.5	70	7850
T31-560XB6	800	1065	56.4	995	0.86	95.3	5.8	0.8	2.9	73	8250
T31-560XC6	900	1200	63.9	995	0.85	95.7	5.1	0.7	2.4	75	8770
T31-560XD6	1000	1335	70.3	995	0.86	95.5	6.6	1.0	2.4	78	9320
T31-560XA8	500	665	37.1	745	0.83	93.8	5.3	0.8	2.1	81	7350
T31-560XB8	560	745	41.5	745	0.83	93.9	5.1	0.9	2.3	83	7710
T31-560XC8	630	840	46.6	745	0.83	94.0	5.7	1.1	2.5	88	8180
T31-560XD8	710	945	52.4	745	0.83	94.2	5.2	1.0	2.1	93.5	8630
T31-560XA10	355	470	28.5	595	0.77	93.5	6.8	1.1	3.5	89	6940
T31-560XB10	400	530	31.5	595	0.78	94.0	6.4	1.1	3.3	91	7230
T31-560XC10	450	600	35.3	595	0.78	94.4	6.0	1.1	3.1	95	7580
T31-560XD10	500	665	38.6	595	0.79	94.6	6.0	1.1	3.1	99	7970
T31-560XE10	560	745	43.2	595	0.79	94.8	5.8	0.9	3.3	101	8340
T31-560XF10	630	840	48.6	595	0.79	94.8	6.3	1.1	3.4	104	8710
T31-560XA12	250	330	21.7	495	0.72	92.5	6.1	1.3	2.9	95	6350
T31-560XB12	280	370	24.2	495	0.72	92.8	5.7	1.2	2.7	99	6680
T31-560XC12	315	420	26.4	495	0.74	93.0	5.6	1.1	2.6	103	6930
T31-560XD12	355	470	29.4	495	0.75	93.1	5.4	1.1	2.5	107	7290
T31-560XF12	400	530	33.0	495	0.75	93.2	5.3	1.0	2.4	110	7570
T31-560XG12	450	600	37.1	495	0.75	93.4	5.2	1.0	3.1	115	7880

T31 SERIES TOTALLY ENCLOSED AIR-AIR COOLING IP44 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-560)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 10kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	10000V A	r/min	COS ϕ	$\eta\%$	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T31-630XA4	1400	1865	96.4	1490	0.88	95.3	6.7	0.8	2.0	87	8100
T31-630XB4	1600	2135	109.8	1492	0.88	95.6	6.3	0.8	2.0	91	8760
T31-630XC4	1800	2400	123.4	1492	0.88	95.7	6.4	0.8	2.0	95	8980
T31-630XD4	2000	2665	136.8	1492	0.88	95.9	7.0	0.9	2.1	99	9800
T31-630XA6	1120	1495	77.8	995	0.87	95.5	5.9	0.9	2.4	127	9260
T31-630XB6	1250	1665	86.8	995	0.87	95.6	5.7	0.9	2.5	139	9850
T31-630XC6	1400	1865	97.1	995	0.87	95.7	5.2	0.9	2.4	149	10260
T31-630XD6	1600	2135	111.1	995	0.87	95.6	5.5	0.9	2.7	157	10750
T31-630XA8	710	945	52.8	742	0.82	94.7	5.2	0.8	2.5	135	8150
T31-630XB8	800	1065	60.2	742	0.81	94.8	5.3	0.9	2.6	142	8500
T31-630XC8	900	1200	66.8	742	0.82	94.9	5.1	0.8	2.3	150	8900
T31-630XD8	1000	1335	75.8	742	0.80	95.2	5.1	0.8	2.5	158	9100
T31-630XE8	1120	1495	82.6	742	0.82	95.5	5.7	0.9	2.7	168	9500
T31-630XA10	630	840	48.2	595	0.80	94.3	5.1	0.8	2.1	165	7900
T31-630XB10	710	945	54.9	595	0.79	94.5	4.9	0.8	2.1	174	8200
T31-630XC10	800	1065	61.0	595	0.80	94.7	4.7	0.8	2.1	183	8500
T31-630XD10	900	1200	70.1	595	0.78	95.0	4.8	0.9	2.3	199	8900
T31-630XE10	1000	1335	76.7	595	0.79	95.3	5.3	0.9	2.2	210	9300
T31-630XA12	450	600	37.0	495	0.75	93.7	4.7	0.8	2.0	158	8230
T31-630XB12	500	665	41.5	495	0.74	93.9	5.0	0.9	2.2	172	8525
T31-630XC12	560	745	46.5	495	0.74	94.0	4.5	0.8	2.0	188	8940
T31-630XD12	630	840	52.1	495	0.74	94.3	5.2	0.9	2.1	202	9765
T31-630XE12	710	945	58.6	495	0.74	94.5	5.4	1.0	2.3	213	10250



T40 SERIES DRIP-PROOF IP23 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-630)

• MOUNTING DIMENSIONS FOR INSTALLATION (IP23 . 6kV)

Frame size	Poles	Mounting dimensions																	
		A	B	C	D	E	F	G	H	K									
355	2	630	+1.40	900	+1.40	315	+4.0	80	+0.030	170	+0.50	22	0	71	0	355	0	28	+0.52
			-1.40		-1.40		-4.0		+0.011		-0.50		-0.052		-0.2		-1.0		0
355	4-6	630	+1.40	900	+1.40	315	+4.0	100	+0.035	210	+0.57	28	0	90	0	355	0	28	+0.52
			-1.40		-1.40		-4.0		+0.013		-0.57		-0.052		-0.2		-1.0		0
400	2	710	+1.75	1000	+1.75	375	+4.0	90	+0.035	170	+0.50	25	0	81	0	400	0	35	+0.62
			-1.75		-1.75		-4.0		+0.013		-0.50		-0.052		-0.2		-1.0		0
400	4-8	710	+1.75	1000	+1.75	335	+4.0	110	+0.035	210	+0.57	28	0	100	0	400	0	35	+0.62
			-1.75		-1.75		-4.0		+0.013		-0.57		-0.052		-0.2		-1.0		0
450	2	800	+1.75	1120	+1.75	400	+4.0	100	+0.035	210	+0.57	28	0	90	0	450	0	35	+0.62
			-1.75		-1.75		-4.0		+0.013		-0.57		-0.052		-0.2		-1.0		0
450	4	800	+1.75	1120	+1.75	355	+4.0	120	+0.035	210	+0.57	32	0	109	0	450	0	35	+0.62
			-1.75		-1.75		-4.0		+0.013		-0.57		-0.062		-0.2		-1.0		0
450	6-12	800	+1.75	1120	+1.75	355	+4.0	130	+0.040	250	+0.57	32	0	119	0	450	0	35	+0.62
			-1.75		-1.75		-4		+0.015		-0.57		-0.062		-0.2		-1.0		0
500	4	900	+2.10	1250	+2.10	475	+4.0	130	+0.040	250	+0.57	32	0	119	0	500	0	42	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.57		-0.062		-0.2		-1.0		0
500	6-12	900	+2.10	1250	+2.10	475	+4.0	140	+0.040	250	+0.57	36	0	128	0	500	0	42	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.57		-0.062		-0.3		-1.0		0
560	4	1000	+2.10	1400	+2.10	500	+4.0	150	+0.040	250	+0.57	36	0	138	0	560	0	42	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.57		-0.062		-0.3		-1.0		0
560	6-12	1000	+2.10	1400	+2.10	500	+4.0	160	+0.040	300	+0.65	40	0	147	0	560	0	42	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.65		-0.062		-0.3		-1.0		0
630	4	1120	+2.10	1600	+2.10	530	+4.0	170	+0.040	300	+0.65	40	0	157	0	630	0	48	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.65		-0.062		-0.3		-1.0		0
630	6-12	1120	+2.10	1600	+2.10	530	+4.0	180	+0.040	300	+0.65	45	0	165	0	630	0	48	+0.62
			-2.10		-2.10		-4.0		+0.015		-0.65		-0.062		-0.3		-1.0		0

• OUTLINE DIMENSIONS FOR INSTALLATION (IP44 . 6kV)

Frame size	Poles	Outline dimensions						
		AC	AD	AB	BB	HA	HD	L
355	2	505	790	780	1350	25	775	1690
355	4~6	505	790	780	1400	25	775	1760
400	2	565	850	900	1450	26	875	1780
400	4~8	565	850	900	1510	26	875	1880
450	2	605	890	980	1530	28	975	1970
450	4	605	890	980	1638	28	960	2060
450	6~12	605	890	980	1638	26	980	2100
500	4~12	675	960	1112	1900	26	1075	2430
560	4	750	1010	1220	1938	45	1180	2490
560	6~12	750	1010	1220	1938	45	11800	2540
630	4~12	850	1120	1410	2140	50	1340	2715

T40 SERIES DRIP-PROOF IP23 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COS ϕ	$\eta\%$	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T40-355XA2	220	290	25.5	2975	0.89	93.1	6.7	1.2	3.1	3.0	1850
T40-355XB2	250	330	29.3	2975	0.88	93.4	6.8	1.2	3.3	3.2	2020
T40-355XC2	280	370	32.7	2975	0.88	93.5	6.9	1.3	3.2	3.3	2200
T40-355XD2	315	420	36.4	2975	0.88	94.6	6.7	1.4	3.2	3.5	2370
T40-355XE2	355	470	40.6	2975	0.89	94.5	6.8	1.3	3.3	3.8	2480
T40-355XF2	400	530	45.8	2975	0.89	94.5	7.0	1.3	2.9	4.0	2700
T40-355XA4	185	245	22.2	1485	0.86	93.3	6.9	1.3	2.7	4.7	1500
T40-355XB4	200	265	23.9	1485	0.86	93.5	6.8	1.2	2.8	4.7	1560
T40-355XC4	220	290	26.3	1485	0.86	93.7	7.3	1.7	3.2	4.8	1650
T40-355XD4	250	330	29.0	1485	0.88	94.4	7.3	1.2	3.2	5.0	1780
T40-355XE4	280	370	32.2	1485	0.89	94.7	6.4	1.2	2.9	5.7	1900
T40-355XF4	315	420	35.9	1485	0.89	94.9	6.1	1.1	2.8	6.7	2070
T40-355XA6	185	245	23.0	980	0.83	93.3	6.2	1.2	2.9	9.3	1740
T40-355XB6	200	265	24.8	980	0.83	93.5	5.9	1.1	2.7	9.3	1860
T40-355XC6	220	290	26.9	980	0.84	93.7	5.7	1.0	2.6	9.5	1980
T40-355XD6	250	330	30.5	980	0.84	94.0	6.2	1.2	2.8	10	2070
T40-400XA2	450	600	52.3	2980	0.87	95.2	7.3	1.3	3.1	5.0	2520
T40-400XB2	500	665	57.4	2980	0.88	95.3	7.7	1.4	3.3	5.0	2630
T40-400XC2	560	745	63.5	2980	0.89	95.4	7.6	1.4	3.2	5.2	2750
T40-400XD2	630	840	72.1	2980	0.88	95.5	7.2	1.2	3.0	5.5	2880
T40-400XA4	355	470	40.7	1485	0.89	94.4	7.6	0.9	2.8	12	2480
T40-400XB4	400	530	45.7	1485	0.89	94.6	6.3	1.0	3.0	13	2550
T40-400XC4	450	600	51.1	1485	0.89	95.2	7.5	1.5	2.8	14	2720
T40-400XD4	500	665	56.0	1485	0.9	95.4	7.2	1.2	2.8	15	2790
T40-400XE4	560	745	63.3	1485	0.89	95.6	7.3	1.3	2.7	17	3730
T40-400XA6	280	370	34.1	985	0.84	94.0	5.9	1.1	2.5	16	2720
T40-400XB6	315	420	37.9	985	0.85	94.2	6.0	1.2	2.7	17	2810
T40-400XC6	355	470	42.6	985	0.85	94.4	5.7	1.1	2.6	18	2880
T40-400XD6	400	530	47.9	985	0.85	94.6	6.1	1.3	2.9	20	3170
T40-400XA8	220	290	29.5	740	0.77	93.3	5.1	1.2	2.6	20	2560
T40-400XB8	250	330	33.0	740	0.78	93.4	4.8	1.1	2.4	21	2780
T40-400XC8	280	370	37.4	740	0.77	93.6	5.1	1.1	2.5	22	3130
T40-450XA2	710	945	80.8	2980	0.89	95.0	6.7	1.2	3.1	11	3040
T40-450XB2	800	1065	90.9	2980	0.89	95.2	7.9	1.5	3.3	12	3160
T40-450XC2	900	1200	102.1	2980	0.89	95.3	7.2	1.4	3.2	13	3310
T40-450XA4	630	840	72.3	1485	0.88	95.3	6.9	1.1	2.5	17	3260
T40-450XB4	710	945	79.5	1485	0.9	95.5	7.2	1.2	2.6	19	3390

T40 SERIES DRIP-PROOF IP23 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COS ϕ	$\eta\%$	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T40-450XC4	800	1065	89.4	1485	0.9	95.7	7.0	1.1	2.6	20	3490
T40-450XD4	900	1200	100.3	1485	0.9	95.9	6.1	0.9	2.4	22	3860
T40-450XA6	450	600	52.6	990	0.87	94.7	4.9	0.8	2.0	25	3050
T40-450XB6	500	665	58.3	990	0.87	94.9	5.1	0.9	2.5	26	3170
T40-450XC6	560	745	65.1	990	0.87	95.1	5.4	0.9	2.8	28	3500
T40-450XD6	630	840	73.0	990	0.87	95.4	5.6	1.0	2.9	30	3750
T40-450XA8	315	420	40.2	740	0.80	94.2	5.1	1.2	2.4	27	2930
T40-450XB8	355	470	44.6	740	0.81	94.5	4.5	1.2	2.4	29	3130
T40-450XC8	400	530	50.1	740	0.81	94.9	5.0	1.0	2.4	31	3350
T40-450XD8	450	600	55.6	740	0.82	95.0	4.2	0.8	2.1	33	3430
T40-450XA10	220	290	29.1	590	0.78	93.3	5.3	0.9	2.4	27	2820
T40-450XB10	250	330	33.0	590	0.78	93.4	5.1	0.9	2.3	29	2930
T40-450XC10	280	370	36.4	590	0.79	93.6	5.1	0.9	2.3	31	3130
T40-450XD10	315	420	40.9	590	0.79	93.8	5.2	0.9	2.3	33	3210
T40-450XE10	355	470	46.0	590	0.79	94.0	5.3	1.0	2.3	35	3290
T40-450XA12	220	290	30.5	490	0.75	92.4	4.5	0.9	2.3	38	3300
T40-450XB12	250	330	34.7	490	0.75	92.5	4.4	0.8	2.2	40	3540
T40-500XA4	1000	1335	115.9	1485	0.87	95.4	6.3	1.1	2.3	26	4290
T40-500XB4	1120	1490	128.1	1485	0.88	95.6	6.7	1.2	2.4	29	4610
T40-500XC4	1250	1665	143	1485	0.88	95.6	5.8	0.9	2.6	32	4750
T40-500XD4	1400	1865	160	1485	0.88	95.7	5.9	1.0	2.7	34	4930
T40-500XA6	710	945	82.9	990	0.86	95.8	5.1	0.9	2.2	39	4080
T40-500XB6	800	1065	92.3	990	0.87	95.9	5.2	1.0	2.3	42	4220
T40-500XC6	900	1200	104.1	990	0.87	95.6	4.7	0.7	2.2	45	4360
T40-500XD6	1000	1335	113.8	990	0.88	96.1	5.2	0.9	2.2	47	4530
T40-500XA8	500	665	61.3	740	0.83	94.6	5.1	1.1	2.5	43	4095
T40-500XB8	560	745	67.5	740	0.84	95.1	5.0	1.0	2.3	46	4285
T40-500XC8	630	840	75.4	740	0.85	94.6	4.6	0.8	2.2	50	4520
T40-500XD8	710	945	85.3	740	0.84	95.3	5.3	1.1	2.5	53	4750
T40-500XA10	400	530	50.6	590	0.81	93.9	5.3	1.0	2.3	50	4010
T40-500XB10	450	600	56.9	590	0.81	94.0	5.2	0.9	2.3	54	4140
T40-500XC10	500	665	63.8	590	0.80	94.2	4.9	1.0	2.3	58	4290
T40-500XD10	560	745	70.5	590	0.81	94.3	5.1	1.1	2.6	63	4480
T40-500XE10	630	840	79.2	590	0.81	94.5	5.0	0.9	2.2	66	4650
T40-500XA12	280	370	39.2	490	0.74	93.0	5.4	1.0	2.3	47	3980
T40-500XB12	315	420	43.4	490	0.75	93.2	5.3	0.9	2.2	51	4100
T40-500XC12	355	470	48.7	490	0.75	93.6	5.2	0.9	2.1	55	4250

T40 SERIES DRIP-PROOF IP23 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COS ϕ	$\eta\%$	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T40-500XD12	400	530	54.7	490	0.75	93.8	4.7	0.9	2.1	60	4410
T40-500XE12	450	600	61.4	490	0.75	94.0	4.9	0.9	2.1	67	4600
T40-560XA4	1600	2130	176.2	1485	0.91	96.0	6.3	0.8	2.4	52	5750
T40-560XB4	1800	2400	200.3	1485	0.9	96.1	6.7	0.9	2.6	55	6120
T40-560XC4	2000	2665	222.3	1485	0.9	96.2	6.2	0.8	2.4	60	6350
T40-560XA6	1120	1490	129.0	991	0.87	96.0	5.9	0.8	2.2	63	5200
T40-560XB6	1250	1665	143.7	991	0.87	96.2	6.2	0.9	2.3	70	5450
T40-560XC6	1400	1865	160.8	991	0.87	96.3	5.3	0.7	2.1	74	5700
T40-560XA8	800	1065	96.2	740	0.84	95.3	5.4	1.0	2.3	80	5400
T40-560XB8	900	1200	107.7	740	0.84	95.7	5.7	1.1	2.5	88	5630
T40-560XC8	1000	1335	120.8	740	0.83	96.0	5.9	1.0	2.4	94	5870
T40-560XA10	710	945	87.0	590	0.83	94.6	5.0	0.9	2.3	97	5450
T40-560XB10	800	1065	97.9	590	0.83	94.7	5.1	0.8	2.2	103	5700
T40-560XC10	900	1200	110.1	590	0.83	94.8	4.9	0.7	2.1	112	5820
T40-560XA12	500	665	65.7	490	0.78	93.9	4.6	1.1	2.2	94	5350
T40-560XB12	560	745	74.5	490	0.77	94.0	4.6	1.1	2.1	105	5550
T40-560XC12	630	840	82.4	490	0.78	94.3	4.5	1.0	2.0	111	5810
T40-630XA4	2240	2985	246.0	1492	0.91	96.3	6.7	0.8	2.6	107	7190
T40-630XB4	2500	3335	277.0	1492	0.9	96.5	6.3	0.7	2.5	113	7550
T40-630XC4	2800	3735	305.9	1493	0.91	96.8	6.0	0.7	2.5	126	7910
T40-630XA6	1600	2135	184.3	993	0.87	96.0	5.7	0.8	2.1	124	7100
T40-630XB6	1800	2400	206.7	994	0.87	96.3	6.0	0.9	2.2	132	7400
T40-630XC6	2000	2665	229.2	994	0.87	96.5	6.2	1.0	2.4	140	7750
T40-630XA8	1120	1495	133.0	744	0.85	95.3	5.6	1.0	2.3	134	7460
T40-630XB8	1250	1665	148.3	744	0.85	95.4	5.7	1.0	2.3	140	7780
T40-630XC8	1400	1865	166.0	744	0.85	95.5	5.1	0.9	2.2	152	8100
T40-630XD8	1600	2135	189.3	744	0.85	95.7	5.5	0.9	2.2	162	8380
T40-630XA10	1000	1335	123.9	594	0.82	94.7	5.4	0.8	2.4	148	7450
T40-630XB10	1120	1490	138.6	594	0.82	94.8	5.3	0.8	2.3	157	7800
T40-630XC10	1250	1665	154.6	594	0.82	94.9	5.6	0.9	2.5	171	8150
T40-630XD10	1400	1865	172.6	594	0.82	95.2	5.5	0.8	2.4	186	8430
T40-630XA12	710	945	92.9	494	0.78	94.3	4.9	0.8	2.2	168	7410
T40-630XB12	800	1065	103.3	494	0.79	94.3	4.8	0.8	2.1	179	7730
T40-630XC12	900	1200	115.8	494	0.79	94.7	4.9	0.8	2.1	195	8050
T40-630XD12	1000	1335	128.2	494	0.79	95.0	5.0	0.9	2.3	208	8320

T41 SERIES DRIP-PROOF IP23 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-630)

• MOUNTING DIMENSIONS FOR INSTALLATION (IP23 . 10kV)

Frame size	Poles	Mounting dimensions									
		A	B	C	D	E	F	G	H	K	
400	2	710 +1.75 -1.75	1000 +1.75 -1.75	375 +4.0 -4.0	80 +0.035 +0.013	170 +0.50 -0.50	22 0 -0.052	71 0 -0.2	400 0 -1.0	35 +0.62 0	
400	4~8	710 +1.75 -1.75	1000 +1.75 -1.75	335 +4.0 -4.0	110 +0.035 +0.013	210 +0.57 -0.57	28 0 -0.052	100 0 -0.2	400 0 -1.0	35 +0.62 0	
400	2	800 +1.75 -1.75	1120 +1.75 -1.75	400 +4.0 -4.0	90 +0.035 +0.013	170 +0.50 -0.50	25 0 -0.052	81 0 -0.2	450 0 -1.0	35 +0.62 0	
450	4~8	800 +1.75 -1.75	1120 +1.75 -1.75	355 +4.0 -4.0	110 +0.035 +0.013	210 +0.57 -0.57	28 0 -0.052	100 0 -0.2	450 0 -1.0	35 +0.62 0	
500	2	900 +2.10 -2.10	1250 +2.10 -2.10	560 +4.0 -4.0	100 +0.035 +0.013	210 +0.57 -0.57	28 0 -0.052	90 0 -0.2	500 0 -1.0	42 +0.62 0	
500	4	900 +2.10 -2.10	1250 +2.10 -2.10	475 +4.0 -4.0	120 +0.035 +0.013	210 +0.57 -0.57	32 0 -0.062	109 0 -0.2	500 0 -1.0	42 +0.62 0	
500	6~10	900 +2.10 -2.10	1250 +2.10 -2.10	475 +4.0 -4.0	130 +0.040 +0.015	250 +0.57 -0.57	32 0 -0.062	119 0 -0.3	500 0 -1.0	42 +0.62 0	
560	4	1000 +2.10 -2.10	1400 +2.10 -2.10	500 +4.0 -4.0	150 +0.040 +0.015	250 +0.57 -0.57	36 0 -0.062	138 0 -0.3	560 0 -1.0	42 +0.62 0	
560	6~12	1000 +2.10 -2.10	1400 +2.10 -2.10	500 +4.0 -4.0	160 +0.040 +0.015	300 +0.65 -0.65	40 0 -0.062	147 0 -0.3	560 0 -1.0	42 +0.62 0	
630	4	1120 +2.10 -2.10	1600 +2.10 -2.10	530 +4.0 -4.0	170 +0.040 +0.015	300 +0.65 -0.65	40 0 -0.062	157 0 -0.3	630 0 -1.0	48 +0.62 0	
630	6~12	1120 +2.10 -2.10	1600 +2.10 -2.10	530 +4.0 -4.0	180 +0.040 +0.015	300 +0.65 -0.65	45 0 -0.062	165 0 -0.3	630 0 -1.0	48 +0.62 0	

• OUTLINE DIMENSIONS FOR INSTALLATION (IP23 . 10kV)

Frame size	Poles	Outline dimensions						
		AC	AD	AB	BB	HA	HD	L
400	2	565	850	900	1450	26	870	1780
400	4~6	565	850	900	1510	26	870	1880
450	2	605	890	980	1530	28	980	1970
450	4~8	605	890	980	1638	26	980	2060
500	2	675	960	1112	1750	28	1075	2650
500	4	675	960	1112	1900	26	1075	2380
500	6~10	675	960	1112	1900	26	1075	2430
560	4	750	1010	1220	1938	45	1180	2490
560	6~12	750	1010	1220	1938	45	1180	2540
630	4~12	850	1120	1410	2140	50	1340	2715

T41 SERIES DRIP-PROOF IP23 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 10kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COS ϕ	$\eta\%$	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T41-400XA2	220	290	16.0	2980	0.86	92.2	6.9	1.3	3.1	5.8	2310
T41-400XB2	250	330	17.9	2980	0.87	92.8	7.8	1.5	3.3	6.0	2430
T41-400XC2	280	370	20.1	2980	0.86	93.3	7.6	1.5	3.2	5.0	2550
T41-400XD2	315	420	22.1	2980	0.88	93.5	7.4	1.4	3	5.5	2670
T41-400XA4	185	245	14.3	1480	0.81	92.5	7.9	1.6	3.3	5.5	2285
T41-400XB4	200	265	15.0	1485	0.83	92.7	7.3	1.4	3.1	8.2	2330
T41-400XC4	220	290	16.3	1480	0.84	92.8	6.9	1.5	2.9	8.2	2380
T41-400XD4	250	330	18.2	1480	0.85	93.1	6.8	1.6	2.9	8.5	2430
T41-400XE4	280	370	20.6	1485	0.84	93.2	6.7	1.9	2.9	8.8	2485
T41-400XF4	315	420	22.8	1485	0.85	93.7	7.2	1.5	3.0	9.2	2550
T41-450XA2	355	470	24.8	2980	0.88	93.8	6.5	1.1	3.1	10.6	3370
T41-450XB2	400	530	27.9	2980	0.88	94.1	7.0	1.0	3	11.0	3450
T41-450XC2	450	600	31.0	2980	0.89	94.3	6.9	1.2	3.2	11.0	3550
T41-450XD2	500	665	34.4	2980	0.89	94.4	7.2	1.3	3.3	11.5	3680
T41-450XE2	560	745	39.3	2980	0.87	94.5	6.8	1.1	3.0	12.0	3820
T41-450XF2	630	840	44.2	2980	0.87	94.6	7.4	1.4	3.4	12.6	4040
T41-450XA4	355	470	25.2	1485	0.87	93.5	6.1	1.3	3.1	15.0	3750
T41-450XB4	400	530	28.3	1485	0.87	93.7	6.6	1.2	3	15.0	3810
T41-450XC4	450	600	31.5	1485	0.88	93.9	6.5	1.3	2.9	16.0	3860
T41-450XD4	500	665	35.2	1485	0.87	94.2	6.3	1.3	2.9	17.0	3920
T41-450XE4	560	745	39.4	1485	0.87	94.4	6.5	1.4	2.8	18.1	3990
T41-450XF4	630	840	44.2	1485	0.87	94.6	6.7	1.2	2.6	19.3	4060
T41-450XA6	315	420	23.5	990	0.83	93.1	5.6	1.0	2.5	22.0	3650
T41-450XB6	355	470	26.2	990	0.84	93.3	5.4	1.1	2.5	22.7	3830
T41-450XC6	400	530	28.7	990	0.86	93.5	5.8	1.0	2.8	24.3	3980
T41-450XD6	450	600	32.3	990	0.86	93.7	5.4	1.1	2.5	25.1	4160
T41-500XA2	710	945	49.2	2980	0.88	94.7	6.9	0.9	2.1	20.0	4620
T41-500XB2	800	1065	55.4	2980	0.88	94.8	6.7	1.1	2.3	21.0	4830
T41-500XC2	900	1200	62.2	2980	0.88	94.9	6.4	1.0	2.1	22.0	5050
T41-500XD2	1000	1335	69.1	2980	0.88	95.0	6.7	1.0	2.1	23	5250
T41-500XE2	1120	1490	77.2	2980	0.88	95.2	6.5	0.9	2.1	25	5500
T41-500XA4	710	945	49.	1485	0.88	95.0	6.2	1.0	2.6	28.0	4750
T41-500XB4	800	1065	55.3	1485	0.88	95.1	6.3	1.1	2.6	28.6	4750
T41-500XC4	900	1200	62.0	1485	0.88	95.2	6.7	1.2	2.6	30.0	5200
T41-500XD4	1000	1335	68.8	1485	0.88	95.3	6.6	1.0	2.3	32.0	5200
T41-500XE4	1120	1490	77.0	1485	0.88	95.4	6.9	1.1	2.3	33.8	5450
T41-500XA6	500	665	36.3	995	0.84	94.7	6.5	0.8	2.9	40.0	4700
T41-500XB6	560	745	40.2	995	0.85	94.8	5.5	0.8	2.8	43.0	4980
T41-500XC6	630	840	45.1	995	0.85	94.9	5.6	0.8	2.4	46.0	5210
T41-500XD6	710	945	50.7	995	0.85	95.1	6.6	1.0	2.6	49.0	5430
T41-500XE6	800	1065	56.4	995	0.86	95.3	6.5	0.9	2.5	52.5	5760

T41 SERIES DRIP-PROOF IP23 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 10kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COSφ	η%	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T41-500XA8	280	370	21.5	740	0.81	92.8	5.8	1.1	2.7	39.0	4340
T41-500XB8	315	420	23.8	740	0.82	93.1	5.6	1.1	2.6	43.0	4340
T41-500XC8	355	470	27.4	740	0.8	93.4	5.2	1.2	2.7	45.0	4550
T41-500XD8	400	530	30.5	740	0.81	93.6	5.2	1.1	2.6	45.0	4830
T41-500XE8	450	600	34.1	740	0.81	94.0	5.5	1.2	2.3	50.0	5270
T41-500XF8	500	665	37.8	740	0.81	94.4	5.8	1.2	2.3	53.0	5470
T41-500XG8	560	745	41.7	740	0.82	94.6	5.1	0.9	2.7	57.0	5860
T41-500XA10	250	330	20.3	595	0.77	92.4	5.3	1.0	2.7	49.0	5100
T41-500XB10	280	370	22.1	595	0.79	92.7	5.1	0.9	2.5	49.5	5220
T41-500XC10	315	420	24.87	595	0.79	92.8	4.9	0.9	2.4	50.1	5350
T41-500XD10	355	470	27.9	595	0.79	93.0	5.2	1.0	2.5	52.0	5600
T41-500XE10	400	530	31.0	595	0.8	93.2	5.1	1.0	2.4	53.5	5820
T41-560XA4	1250	1665	84.7	1485	0.89	95.7	6.7	0.9	1.9	46.0	6630
T41-560XB4	1400	1865	94.8	1485	0.89	95.8	6.3	0.8	2.0	54.0	6850
T41-560XC4	1600	2130	108.1	1485	0.89	96.0	6.2	0.9	1.9	59.0	7070
T41-560XA6	900	1200	63.9	990	0.85	95.7	5.0	0.7	2.4	73.0	6550
T41-560XB6	1000	1335	71.0	990	0.85	95.7	6.1	1.1	2.7	75.0	6790
T41-560XC6	1120	1490	79.3	990	0.85	95.9	5.4	0.9	2.5	78.0	7040
T41-560XD6	1250	1665	87.4	990	0.86	96.0	5.7	1.0	2.6	81.5	7210
T41-560XA8	630	840	46.9	740	0.82	94.6	5.4	0.9	2.1	83.0	6530
T41-560XB8	710	945	52.1	740	0.83	94.8	5.7	1.0	2.3	88.0	6820
T41-560XC8	800	1065	59.4	740	0.82	94.9	5.6	0.9	2.1	93.5	7010
T41-560XD8	900	1200	66.7	740	0.82	95.0	5.9	1.1	2.4	99.0	7220
T41-560XA10	450	600	35.4	590	0.78	94.2	5.7	0.8	2.5	98.0	6180
T41-560XB10	500	665	39.2	590	0.78	94.4	5.4	0.9	2.4	102	6330
T41-560XC10	560	745	43.3	590	0.79	94.5	5.7	0.9	2.5	104	6480
T41-560XD10	630	840	48.7	590	0.79	94.6	5.5	0.9	2.6	109	6620
T41-560XE10	710	945	53.2	590	0.81	95.1	5.3	0.8	2.6	118	6850
T41-560XA12	315	420	26.3	490	0.74	93.3	6.1	1.1	2.7	95.0	6150
T41-560XB12	355	470	28.8	490	0.76	93.5	5.7	1.0	2.4	104	6340
T41-560XC12	400	530	32.4	490	0.76	93.7	5.4	0.9	2.5	110	6510
T41-560XD12	450	600	35.5	490	0.78	93.9	5.6	1.0	2.2	121	6650
T41-560XE12	500	665	39.8	490	0.77	94.2	5.9	0.9	2.1	126	6850

T41 SERIES DRIP-PROOF IP23 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 10kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COS ϕ	η %	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T41-630XA4	1800	2400	121.8	1492	0.89	95.9	6.2	0.8	1.9	95	7480
T41-630XB4	2000	2665	135.2	1493	0.89	96	6.4	0.9	2.1	100	7620
T41-630XC4	2240	2985	151.2	1493	0.89	96.1	6.2	0.8	1.9	110	8000
T41-630XA6	1400	1865	98.2	995	0.86	95.7	5.4	0.8	1.9	128	7600
T41-630XB6	1600	2135	112.1	995	0.86	95.8	5.7	0.8	2	141	7980
T41-630XC6	1800	2400	126.0	995	0.86	95.9	5.9	0.9	2.1	157	8320
T41-630XA8	1000	1335	73.2	744	0.83	95.0	5.8	0.9	2	147	7500
T41-630XB8	1120	1495	81.8	744	0.83	95.2	5.4	0.8	2.3	167	7650
T41-630XC8	1250	1665	91.2	745	0.83	95.3	5.7	0.9	2.2	182	8040
T41-630XA10	800	1065	61.2	594	0.8	94.3	5.6	0.9	2.1	174	7350
T41-630XB10	900	1200	68.7	593	0.8	94.5	5.2	0.8	2.3	183	7550
T41-630XC10	1000	1335	76.3	593	0.8	94.6	5.1	0.9	2.4	199	7700
T41-630XD10	1120	1495	85.4	593	0.8	94.7	5	0.8	2.3	210	8100
T41-630XA12	560	745	46.7	492	0.74	93.5	4.9	0.9	2.1	172	7400
T41-630XB12	630	840	52.5	493	0.74	93.7	4.8	1	2.3	188	7600
T41-630XC12	710	945	59.0	493	0.74	93.9	5.1	0.9	2.2	202	7760
T41-630XD12	800	1065	66.2	492	0.74	94.3	4.9	1	2.4	213	8150

• Bearing

T20 Series (6kV)			T21 Series (6kV)		
Frame	Bearing(DE)	Bearing(NDE)	Frame	Bearing(DE)	Bearing(NDE)
T20-355-2	6317C3	6317C3	T21-400-2	6319C3	6319C3
T20-355-4.6.8	6322C3	6322C3	T21-400-4	6326C3	6326C3
T20-400-2	6319C3	6319C3	T21-450-2	(-)	(-)
T20-400-4.6.8	6326C3	6326C3	T21-450-4.6.8	6328C3	6328C3
T20-450-2	(-)	(-)	T21-500-2	(-)	(-)
T20-450-4.6.8	6328C3	6328C3	T21-500-4.6.8	6328C3	6328C3
T20-500-2	(-)	(-)	T21-560-2	(-)	(-)
T20-500-4	6328C3	6328C3	T21-560-4.6.8	6334C3	6334C3
T20-500-6.8	6330C3	6330C3			
T20-560-2	(-)	(-)			
T20-560-4.6.8	6334C3	6334C3			

T30 Series (6kV)			T31 Series (10kV)		
Frame	Bearing(DE)	Bearing(NDE)	Frame	Bearing(DE)	Bearing(NDE)
T30-355-2	6317C3	6317C3	T31-400-2	6319C3	6319C3
T30-355-4.6.8	6322C3	6322C3	T31-400-4	6324C3	6324C3
T30-400-2	6319C3	6319C3	T31-450-2	6220C3	6220C3
T30-400-4.6.8	6324C3	6324C3	T31-450-4.6.8	6326C3	6326C3
T30-450-2	6220C3	6220C3	T31-500-2	(-)	(-)
T30-450-4	6326C3	6326C3	T31-500-4.6.8.10	6328C3	6328C3
T30-450-6.8.10.12	6328C3	6328C3	T31-500-2	(-)	(-)
T30-500-2	(-)	(-)	T31-560-4.6.8.10	NU334	6334C3
T30-500-4.6.8.10.12	6330C3	6328C3	T31-630-4.6.8.10.12	NU338	6338C3
T30-560-2		(-)	(-)		
T30-560-4.6.8.10.12	NU334	6334C3			
T30-630-4.6.8.10.12	NU338	6338C3			

T40 Series (6kV)			T41 Series (10kV)		
Frame	Bearing(DE)	Bearing(NDE)	Frame	Bearing(DE)	Bearing(NDE)
T40-355-2	6319C3	6319C3	T41-400-2	6319C3	6319C3
T40-355-4.6.8	6322C3	6322C3	T41-400-4	6324C3	6324C3
T40-400-2	6319C3	6319C3	T41-450-2	6220C3	6220C3
T40-400-4.6.8	6324C3	6324C3	T41-450-4.6.8	6326C3	6326C3
T40-450-2	6220C3	6220C3	T41-500-2	(-)	(-)
T40-450-4	6326C3	6326C3	T41-500-4.6.8.10	6328C3	6328C3
T40-450-6.8.10.12	6328C3	6328C3	T41-560-2	(-)	(-)
T40-500-2	(-)	(-)	T41-560-4.6.8.10	NU334	6334C3
T40-500-4.6.8.10.12	6330C3	6328C3	T41-630-4.6.8.10.12	NU338	6338C3
T40-560-2	(-)	(-)			
T40-560-4.6.8.10.12	NU334	6334C3			
T40-630-4.6.8.10.12	NU338	6338C3			

• Noise

T20 Series 6kV				
Sound pressure level in dB(A)				
Output (kW)	Synchronous Speed r/min			
	3000	1500	1000	750
>185-220	86	83	78	75
>220-550	88	85	81	77
>550-1100	91	88	83	81
>1100-2200	95	91	85	83

T21 Series 6kV				
Sound pressure level in dB(A)				
Output (kW)	Synchronous Speed r/min			
	3000	1500	1000	750
>220-550	88	85	81	77
>550-1100	91	88	83	81
>1100-2200	95	91	85	83

T30 Series 6kV						
Sound pressure level in dB(A)						
Output (kW)	Synchronous Speed r/min					
	3000	1500	1000	750	600	500
>185-220	86	83	78		75	
>220-550	88	85	81		77	
>550-1100	91	87	83		81	
>1100-2200	93		85		85	-
>2200	95				-	

T31 Series 10kV						
Sound pressure level in dB(A)						
Output (kW)	Synchronous Speed r/min					
	3000	1500	1000	750	600	500
>200-250	86	83	78		75	
>250-500	88	85	81		77	
>560-900	91	87	83		81	
>1000-2200	93		85		85	-
>2200	95				-	

T40 Series 6kV						
Sound pressure level in dB(A)						
Output (kW)	Synchronous Speed r/min					
	3000	1500	1000	750	600	500
>185-220	86	80	78		74	
>220-550	88	81	79		75	
>550-1100	89	83	82		77	
>1100-2200	92	85	83		79	
>2200	95	87			-	

T41 Series 10kV						
Sound pressure level in dB(A)						
Output (kW)	Synchronous Speed r/min					
	3000	1500	1000	750	600	500
>185-550	88	81	79		75	
>550-1100	89	83	82		77	
>1100-2200	92	85	83		79	
>2200	95	87			-	

We can produce progressive motor.

• T20 SERIES TOTALLY ENCLOSED IP54 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-560)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current		Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	6600V A	r/min	COS ϕ	η %	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T20-355XF2	315	420	36.1	32.9	2980	0.88	95.3	7.0	1.8	3.0	3.8	2400
T20-355XF4	315	420	37.3	33.9	1480	0.85	95.5	6.5	1.2	3.1	9.8	2300
T20-355XD6	220	290	27.3	24.8	985	0.82	94.7	5.8	1.2	2.6	11.5	2400
T20-400XE2	500	665	57.9	52.6	2980	0.87	95.5	6.7	1.5	3.1	6.9	3300
T20-400XE4	500	665	57.2	52.0	1485	0.88	95.6	6.0	1.1	2.5	14	3400
T20-400XE6	355	470	43.0	39.1	990	0.84	94.6	5.9	1.2	2.6	20	3450
T20-400XE8	250	330	33.2	30.2	740	0.77	94.0	5.4	1.2	2.6	19	3400
T20-450XE2	800	1065	92.3	83.9	2975	0.87	95.9	7.0	1.1	2.6	15	4000
T20-450XE4	800	1065	91.9	83.5	1485	0.87	96.3	6.4	1.4	2.5	29	4100
T20-450XE6	560	745	66.0	60.0	985	0.85	96.0	6.0	0.9	2.1	35	3900
T20-450XE8	400	530	52.2	47.4	740	0.78	94.6	5.6	1.0	2.4	34	3850
T20-500XE4	1250	1665	145.4	132.2	1485	0.86	96.2	6.5	1.1	2.6	51	5700
T20-500XE6	900	1200	106.6	96.9	990	0.85	95.6	5.6	1.1	2.2	66	5200
T20-500XE8	630	840	79.7	72.4	740	0.8	95.1	5.3	1.0	2.1	67	5200
T20-560XD4	1800	2400	206.1	187.4	1490	0.87	96.6	6.1	1.0	2.3	80	6700
T20-560XE6	1400	1865	166.9	151.7	990	0.84	96.1	5.9	1.2	2.6	125	6600
T20-560XE8	1000	1335	124.0	112.7	740	0.81	95.8	5.1	1.0	2.1	128	6700

The mounting dimensions are without change. The total length will increase about 100mm.

We can produce progressive motor.

T30 SERIES TOTALLY ENCLOSED AIR-AIR COOLING IP44 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COSφ	η%	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T30-355XE2	355	420	41.3	2975	0.88	93.9	6.8	1.2	2.7	5.1	2650
T30-355XE4	280	370	32.5	1480	0.88	94.3	7.0	1.6	2.9	6.6	2400
T30-355XC6	220	290	27.4	985	0.83	93.1	5.4	1.1	2.6	10.6	2350
T30-400XE2	560	745	64.0	2980	0.89	94.6	6.9	1.1	2.5	7.0	3350
T30-400XF4	500	665	57.7	1485	0.88	94.7	5.9	1.2	2.8	18	3320
T30-400XG6	355	470	42.6	990	0.85	94.3	5.7	1.1	2.2	19	3680
T30-400XD8	250	330	33	740	0.78	93.5	5.3	1.2	2.4	24	3580
T30-450XE2	900	1200	102	2980	0.89	95.2	6.9	1.1	2.3	19	4180
T30-450XE4	800	1065	90.8	1485	0.89	93	6.4	1.2	2.6	24	4220
T30-450XE6	560	745	65.3	985	0.87	94.9	5.8	1.3	2.7	30	4680
T30-450XE8	400	530	50.4	740	0.81	94.2	5.4	1.2	2.4	35	4660
T30-450XF10	315	420	40.6	585	0.79	94.6	5.5	1.0	2.6	28	4580
T30-450XC12	220	290	31.8	490	0.72	92.4	4.8	0.9	2.1	46	4470
T30-500XE4	1250	1665	143	1485	0.88	95.7	6.6	1.1	2.1	40	5880
T30-500XE6	900	1200	107	990	0.85	95.4	5.5	1.0	2.1	55	5270
T30-500XE8	630	840	76.2	740	0.84	94.7	4.9	0.9	2.3	62	5120
T30-500XE10	500	665	64	585	0.80	94.0	5.4	1.2	2.6	70	5410
T30-500XE12	355	470	49	490	0.74	94.3	4.6	1.3	2.1	72	5600
T30-560XD4	1800	2400	206	1485	0.88	95.6	6.0	1.0	2.3	68	9320
T30-560XD6	1250	1665	148	990	0.85	95.4	6.0	0.8	2.2	89	9410
T30-560XD8	900	1200	111	740	0.82	95.1	5.6	0.9	2.2	109	9150
T30-560XE10	800	1065	101	590	0.80	95.2	4.9	0.9	2.6	132	9990
T30-560XE12	560	745	77.6	490	0.74	93.9	5.3	0.8	2.1	154	9880
T30-630D4	2500	3330	285	1485	0.88	95.9	5.4	0.9	2.2	165	9950
T30-630D6	1800	2400	211	990	0.86	95.7	5.4	1.0	2.0	174	9970
T30-630XE8	1400	1865	168	740	0.84	95.4	4.8	0.8	1.9	198	10200
T30-630XE10	1200	1600	152	590	0.80	94.8	4.7	0.9	2.0	225	9980
T30-630XE12	900	1200	121	490	0.76	94.4	5.1	0.9	1.9	265	10500

The mounting dimensions are without change. The total length will increase about 100mm.

We can produce progressive motor.

T31 SERIES TOTALLY ENCLOSED AIR-AIR COOLING IP44 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H400-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 10kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COS ϕ	$\eta\%$	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T31-400XE2	280	370	20.3	2975	0.86	92.7	6.7	1.1	2.9	6.2	3120
T31-400XD4	280	370	21	1485	0.83	92.7	7.0	1.5	3.2	10.1	3150
T31-450XG2	560	745	38.8	2980	0.89	93.6	6.3	1.0	2.8	13.6	3940
T31-450XG4	560	745	39	1485	0.88	94.2	7.6	1.2	2.8	20.2	3880
T31-450XE6	400	530	29.2	980	0.84	94.0	7.1	1.2	2.8	27.1	5490
T31-450XC8	280	370	23.2	745	0.75	92.9	5.8	1.1	2.6	34	5150
T31-500XF2	1000	1335	68.1	2980	0.90	94.2	6.7	0.9	2.1	26	5470
T31-500XF4	1000	1335	70.1	1485	0.87	94.7	6.3	1.1	2.8	34.5	6130
T31-500XF6	710	945	49.5	995	0.87	95.2	6.2	1.0	2.6	55	5730
T31-500XH8	560	745	42.5	745	0.81	94.0	6.2	1.1	2.4	55	5510
T31-500XE10	355	470	27.6	595	0.80	92.7	5.3	1.1	2.7	56	5320
T31-560XE4	1600	2130	111	1490	0.88	95.1	5.8	1.0	2.5	62	9800
T31-560XE6	1120	1490	78.6	995	0.86	95.7	6.6	1.0	2.4	81	9620
T31-560XE8	800	1065	59.0	745	0.83	94.4	5.2	1.0	2.1	96.5	8930
T31-560XG10	710	945	54.6	595	0.79	95.0	6.2	1.1	3.3	109	8910
T31-560XH12	500	665	41.1	495	0.75	93.6	5.2	1.0	3.1	121	8080
T31-630XE4	2240	2985	153	1492	0.88	96.1	6.8	0.9	2.2	105	10200
T31-630XE6	1800	2400	125	995	0.87	95.8	5.6	0.9	2.6	165	11050
T31-630XF8	1250	1665	92.0	742	0.82	95.7	5.6	0.9	2.6	175	9800
T31-630XF10	1120	1495	85.7	595	0.79	95.5	5.5	0.9	2.1	225	9800
T31-630XF12	800	1065	65.9	495	0.74	94.7	5.4	1.0	2.3	228	10650

The mounting dimensions are without change. The total length will increase about 100mm.

We can produce progressive motor.

T40 SERIES DRIP-PROOF IP23 HIGH VOLTAGE 3-PHASE ASYN.MOTOR (H355-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 6kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COS ϕ	η %	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T40-355XG2	450	600	51.4	2975	0.89	94.7	7.0	1.4	2.8	4.8	2850
T40-355XG4	355	470	40.4	1485	0.89	95.1	6.2	1.1	2.9	7.5	2220
T40-355XE6	280	370	34.1	980	0.84	94.2	6.1	1.1	2.7	11	2220
T40-400XE2	710	945	81.1	2980	0.88	95.7	7.2	1.3	3.1	6.6	3080
T40-400XF4	630	840	71.1	1485	0.89	95.8	7.2	1.2	2.7	19	3930
T40-400XE6	450	600	53.7	985	0.85	94.8	5.9	1.2	2.8	22	3370
T40-400XD8	315	420	42	740	0.77	93.8	5.0	1.2	2.5	25	3330
T40-450XD2	1000	1335	113	2980	0.89	95.5	7.3	1.3	3.1	15	3560
T40-450XE4	1000	1335	111	1485	0.9	96.1	6.8	1.1	2.5	25	4110
T40-450XE6	710	945	82.1	990	0.87	95.6	5.5	0.9	2.7	33	4000
T40-450XE8	500	665	61.6	740	0.82	95.2	4.1	0.9	2.2	36	3680
T40-450XF10	400	530	51.7	590	0.79	94.2	5.4	1.0	2.3	38	3540
T40-450XC12	280	370	38.8	490	0.75	92.7	4.5	0.8	2.3	43	3790
T40-500XE4	1600	2130	182	1485	0.88	95.9	5.9	0.9	2.7	37	5230
T40-500XE6	1120	1490	127	990	0.88	96.3	5.1	0.8	2.3	50	4830
T40-500XE8	800	1062	96	740	0.84	95.5	5.2	1.0	2.4	56	5200
T40-500XF10	710	945	89.1	590	0.81	94.7	5.1	1.0	2.3	69	4950
T40-500XF12	500	665	68.1	490	0.75	94.2	5.0	0.9	2.2	70	4900
T40-560XD4	2240	2985	248	1485	0.9	96.4	6.3	0.9	2.5	64	6700
T40-560XD6	1600	2130	183	991	0.87	96.5	5.5	0.8	2.2	78	6050
T40-560XE8	1120	1490	135	740	0.83	96.2	5.9	1.1	2.3	99	6220
T40-560XD10	1000	1330	122	590	0.83	95	5.0	0.7	2.0	121	6170
T40-560XD12	710	945	92.7	490	0.78	94.59	4.5	1.1	2.0	118	6160
T40-630XE4	3150	4200	343	1493	0.91	97	6.1	0.8	2.5	132	8310
T40-630XD6	2240	2985	256	994	0.87	96.7	6.1	0.9	2.3	145	8150
T40-630XE8	1800	2400	212	744	0.85	95.9	5.4	0.9	2.2	170	8780
T40-630XE10	1600	2130	197	594	0.82	95.4	5.4	0.9	2.5	195	8830
T40-630XE12	1120	1490	143	494	0.79	95.2	4.9	0.9	2.2	220	8720

The mounting dimensions are without change. The total length will increase about 100mm.

We can produce progressive motor.

T41 SERIES DRIP-PROOF IP23 HIGH VOLTAGE 3-PHASE AST41-N.MOTOR (H400-630)

• TECHNICAL SPECIFICATIONS (DESIGN VALUE . 10kV)

Motor Type	Rated power		Current	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	Moment of inertia	weight
	kW	HP	6000V A	r/min	COS ϕ	η %	Rated Current	Rated Torque	Rated Torque	J kgm ²	kg
T41-400XE2	355	470	24.9	2980	0.88	93.7	7.5	1.5	3.1	6.5	2870
T41-400XG4	355	470	25.7	1485	0.85	93.9	7.1	1.6	2.9	10	2750
T41-450XG2	710	945	49.7	2980	0.87	94.8	7.3	1.2	3.2	14.2	4290
T41-450XG4	710	945	49.7	1485	0.87	94.8	6.6	1.3	2.7	22.2	4310
T41-450XE6	500	665	35.9	990	0.86	93.5	5.5	1.0	2.5	28.2	4410
T41-500XD2	1000	1335	69.0	2980	0.88	95.1	6.5	1.0	2.2	24.5	5350
T41-500XF4	1250	1665	85.8	1485	0.88	95.6	6.7	1.0	2.4	36.2	5750
T41-500XF6	900	1200	63.3	995	0.86	95.4	6.5	1.0	2.6	55.6	6060
T41-500XH8	630	840	46.8	740	0.82	94.8	5.3	0.9	2.6	60.2	6160
T41-500XF10	450	600	34.8	595	0.80	93.4	5.2	0.93	2.4	58.2	6120
T41-560XE6	1400	1865	97.7	990	0.86	96.2	5.6	0.9	2.5	85.2	7560
T41-560XE8	1000	1335	74.0	740	0.82	95.2	5.8	1.0	2.3	105	7570
T41-560XF10	800	1065	59.9	590	0.81	95.2	5.4	0.8	2.6	125	7200
T41-560XF12	560	745	44.5	490	0.77	94.4	5.8	0.91	2.0	135	7200
T41-630XD4	2500	3300	169	1493	0.89	96.3	6.3	0.9	2.0	116	8400
T41-630XD6	2000	2665	140	995	0.86	96.1	5.8	0.9	2.0	165	8720
T41-630XD8	1400	1865	102	745	0.83	95.5	5.6	0.9	2.2	190	8440
T41-630XE10	1250	1665	95.1	593	0.80	94.9	5.1	0.9	2.3	220	8500
T41-630XE12	900	1200	74.3	492	0.74	94.5	5.0	0.9	2.3	220	8550

The mounting dimensions are without change. The total length will increase about 100mm.