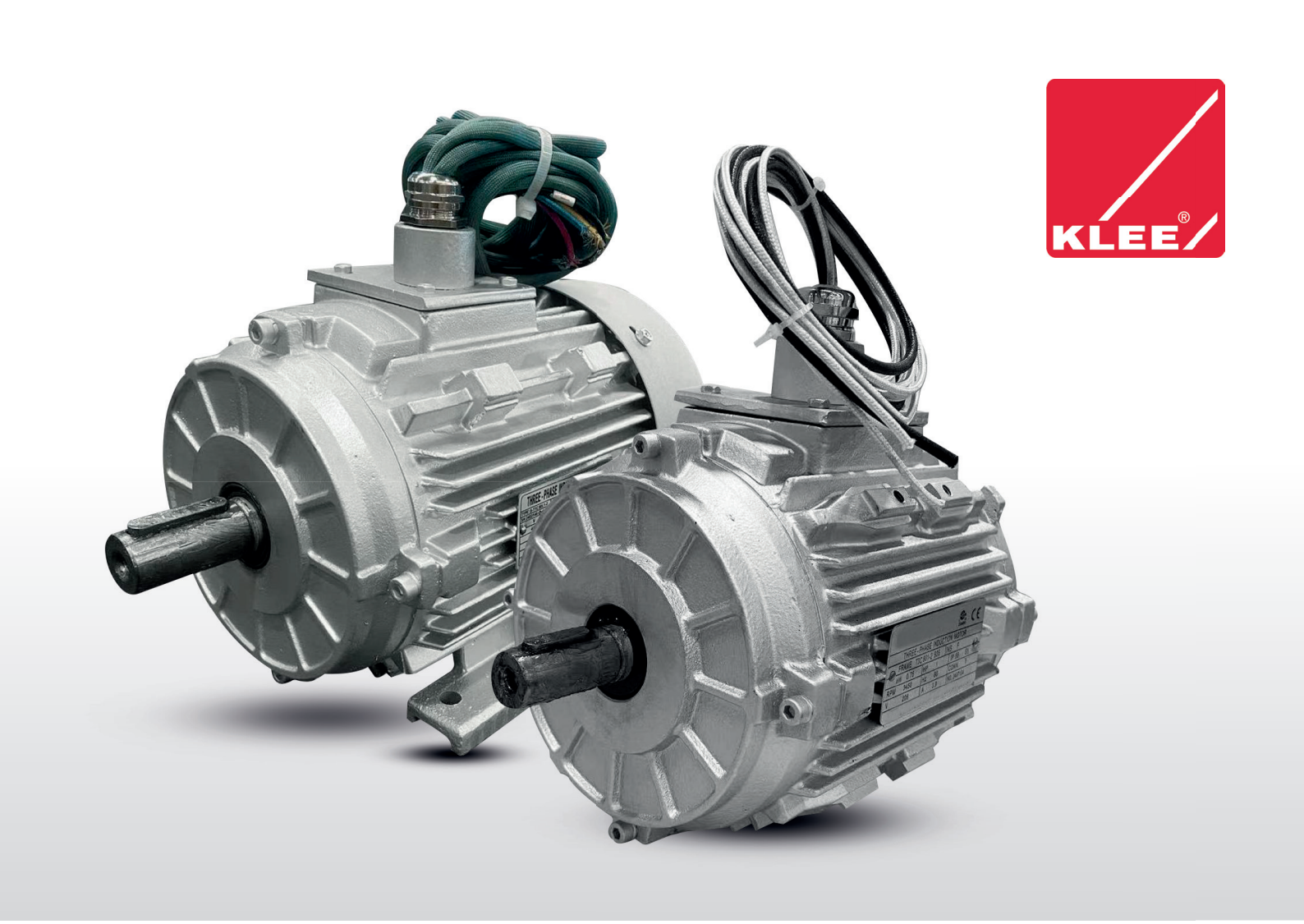


KLEEdrive S-TC

High-temp. Smoke-extraction Motors

KLEE*drive*®

www.klee.dk

More than 80 years of experience – we know the industry

Brd. Klee Engineer and trading company was founded in 1944 and has been listed on OMX (formerly the Copenhagen Stock Exchange) since 1986.

We are located in Albertslund and offer solutions within technical components and semi-finished products for Danish industry. Our broad and deep product-range is divided into eight areas: Gears & Gearmotors, Motors, Pumps & Blowers, Controls & Electronics, Pneumatics & Hydraulics, Linear Technology, Transmission Parts, Machine-, DIN- & Norm Parts, Rubber & Plastic.

In our workshop we build and assemble customer-specific solutions, e.g. in special colour, with customer logo or other text.
The possibilities are many.

We are approx. 75 employees in Denmark. Our colleagues in our subsidiaries in Taiwan and China focus on sourcing and quality control for our Danish and international customers.

KLEE solutions

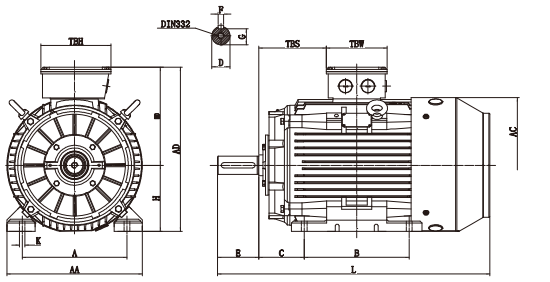
The S-TC Smoke Exhaustion motor applies to use in the densely populated areas, such as shopping malls, factories, warehouses, parking garage, railway station, tunnels, subways and the likes. It is designed to ensure the air circulation in closed environment. In emergency situations, it can afford operation at high temperatures and ensure fast smoke extraction and heat, delaying the fire propagation, to assure free access to the emergency exits.

S-TC Smoke Extraction Motor Specifications:

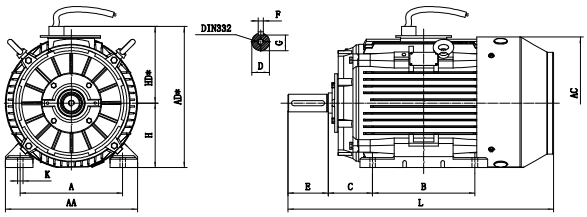
Three phase multi-voltage
Output: From 0.75 to 355KW
Frame size: From 80 to 355
Frequency: 50Hz and 60Hz
Voltage: 50Hz: 220-230-240/380-400-415V(up to 100L)
380-400-415/660-690-720V(112 up to 355M/L)
60Hz: 460V
230/400V(up to 100L)
400/690V(112 up to 355M/L)
Degree of protection:IP55
Insulation class: H
Enclosure: TEFC or TEAO
2 meter leading wire (Without terminal box)
Working with ventilator in normal condition.
Ambient temperature: -20°C to 40°C, at 1000 m.a.s.l.
Special impregnation system to withstand high temperatures
Special terminal block to withstand high temperatures
Working Duty: S1/S2 (according to temperature class-only once)
The motor can operate according to the standard as below:
2 hours at Max.400°C
1 and 2 hours at 300°C
1 and 2 hours at 200°C and 250°C

Products range: S-T1C, S-T2C, S-T3C, S-T4C, S-TCI (S for smoke)
Efficiency: IE1 Standard Efficiency (S-T1C)
IE2 High Efficiency (S-T2C)
IE3 Premium Efficiency (S-T3C)
IE4 Super Premium Efficiency (S-T4C)
Meps2(Aus)Efficiency (S-TCI)
Optional features
*Maximum ambient temperature 50°C
*Motor suitable to operate with frequency inverter
*Two-speed (Double-Polarity) motor
*UL/CSA Certification
*Other Special options are available as per request.

S-TC Series TEFC High-temperature Smoke-extraction Motors



IM B3 Figure1

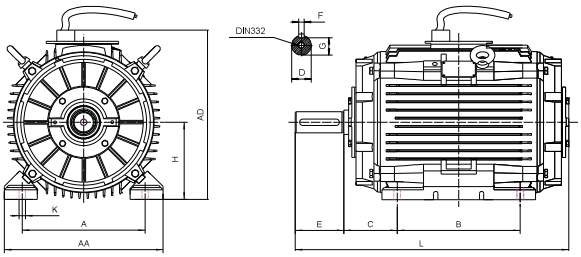


IM B3 Figure2

Overall & Installation Dimensions

Frame		Foot Mounting				Shaft					General									
		H	A	B	C	D	E	F	G	K	AA	AD*	AD	HD*	HD	AC	L	TBS	TBW	TBH
80M		80	125	100	50	ϕ19	40	6	15.5	ϕ9	154	194	215	114	135	ϕ158	290	41.5	117	117
90S/L		90	140	100/125	56	ϕ24	50	8	20	ϕ10	178	209	231	119	141	ϕ176	320/345	47.5/60	117	117
100L		100	160	140	63	ϕ28	60	8	24	ϕ12	203	231	251	131	151	ϕ199	385	74.5	117	117
112M		112	190	140	70	ϕ28	60	8	24	ϕ12	231	256	292	144	180	ϕ220	405	70.5	139	139
132S/M		132	216	140/178	89	ϕ38	80	10	33	ϕ12	263	297	332	165	200	ϕ259	467/505	59	139	139
160M/L		160	254	210/254	108	ϕ42	110	12	37	ϕ15	316	359	414	199	254	ϕ313	605/650	84	176	201
180M/L		180	279	241/279	121	ϕ48	110	14	42.5	ϕ15	354	396	445	216	265	ϕ360	687/725	152/173	176	201
200L		200	318	305	133	ϕ55	110	16	49	ϕ19	393	445	510	245	310	ϕ399	768.5	184	202	251
225S	4,6,8	225	356	286	149	ϕ60	140	18	53	ϕ19	440	500	560	275	335	ϕ459	810	191	202	251
225M	2	225	356	311	149	ϕ55	110	16	49	ϕ19	440	500	560	275	335	ϕ459	805	203.5	202	251
	4,6,8	225	356	311	149	ϕ60	140	18	53	ϕ19	440	500	560	275	335	ϕ459	835	203.5	202	251
250M	2	250	406	349	168	ϕ60	140	18	53	ϕ24	484	557	620	307	370	ϕ506	915	225	234	278
	4,6,8	250	406	349	168	ϕ65	140	18	58	ϕ24	484	557	620	307	370	ϕ506	915	225	234	278
280S/M	2	280	457	368/419	190	ϕ65	140	18	58	ϕ24	560	615	695	335	415	ϕ559	984/1035	257/267	234/265	278/300
	4,6,8	280	457	368/419	190	ϕ75	140	20	67.5	ϕ24	560	615	695	335	415	ϕ559	984/1035	257/267	234/265	278/300
315S	2	315	508	406	216	ϕ65	140	18	58	ϕ28	628	745	825	430	510	ϕ682	1205	190	310	370
	4,6,8	315	508	406	216	ϕ80	170	22	71	ϕ28	628	745	825	430	510	ϕ682	1235	190	310	370
315M/L	2	315	508	457/508	216	ϕ65	140	18	58	ϕ28	628	745	825	430	510	ϕ682	1355	190	310	370
	4,6,8	315	508	457/508	216	ϕ80	170	22	71	ϕ28	628	745	825	430	510	ϕ682	1385	190	310	370
355M/L	2	355	610	560/630	254	ϕ75	140	20	67.5	ϕ28	740	872	1010	517	655	ϕ698	1495	122	365	420
	4,6,8	355	610	560/630	254	ϕ95	170	25	86	ϕ28	740	872	1010	517	655	ϕ698	1525	122	365	420
	4,6,8	355	610	560/630	254	ϕ100	210	28	90	ϕ28	740	872	1010	517	655	ϕ698	1565	122	365	420

S-TC Series TEAO High-temperature Smoke-extraction Motors

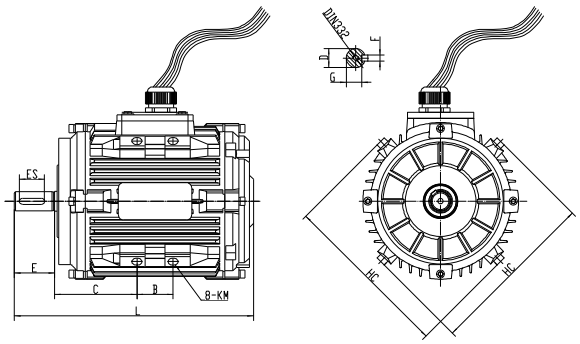


IM B3 Figure2

Overall & Installation Dimensions

Frame		Foot Mounting				Shaft					General				
		H	A	B	C	D	E	F	G	K	AA	AD	HD	L	L
80M		80	125	100	50	ϕ19	40	6	15.5	ϕ9	154	195	134	240	290
90S/L		90	140	100/125	56	ϕ24	50	8	20	ϕ10	178	215	141	260/285	320/345
100L		100	160	140	63	ϕ28	60	8	24	ϕ12	203	235	151	325	385
112M		112	190	140	70	ϕ28	60	8	24	ϕ12	231	260	180	338	405
132S/M		132	216	140/178	89	ϕ38	80	10	33	ϕ12	263	300	200	395/435	467/505
160M/L		160	254	210/254	108	ϕ42	110	12	37	ϕ15	316	355	244	533/577	605/650
180M/L		180	279	241/279	121	ϕ48	110	14	42.5	ϕ15	354	390	265	582/620	687/725
200L		200	318	305	133	ϕ55	110	16	49	ϕ19	393	415	300	672	768.5
225S	4,6,8	225	356	286	149	ϕ60	140	18	53	ϕ19	440	465	333	715	810
225M	2	225	356	311	149	ϕ55	110	16	49	ϕ19	440	465	333	710	805
	4,6,8	225	356	311	149	ϕ60	140	18	53	ϕ19	440	465	333	740	835
250M	2	250	406	349	168	ϕ60	140	18	53	ϕ24	484	515	366	815	915
	4,6,8	250	406	349	168	ϕ65	140	18	58	ϕ24	484	515	366	815	915
280S/M	2	280	457	368/419	190	ϕ65	140	18	58	ϕ24	560	575	395	880/930	984/1035
	4,6,8	280	457	368/419	190	ϕ75	140	20	67.5	ϕ24	560	575	395	880/930	984/1035
315S	2	315	508	406	216	ϕ65	140	18	58	ϕ28	628	620	510	1030	1205
	4,6,8	315	508	406	216	ϕ80	170	22	71	ϕ28	628	620	510	1060	1235
315M/L	2	315	508	457/508	216	ϕ65	140	18	58	ϕ28	628	620	510	1180	1355
	4,6,8	315	508	457/508	216	ϕ80	170	22	71	ϕ28	628	620	510	1210	1385
355M/L	2	355	610	560/630	254	ϕ75	140	20	67.5	ϕ28	740	820	655	1325	1495
	4,6,8	355	610	560/630	254	ϕ95	170	25	86	ϕ28	740	820	655	1355	1525
	4,6,8	355	610	560/630	254	ϕ100	210	28	90	ϕ28	740	820	655	1395	1565

S-TC Series B30 TEAO High-temperature Smoke-extraction Motors



IM B30 Figure1

Overall & Installation Dimensions

Frame		Pad Mounting			Shaft					General		
		H	B	C	D	E	F	G	ES	HC	KM	L
80M		80	36	82	ϕ19	40	6	15.5	25	169	M10*1.5	240
90S/L		90	43/68	84.5	ϕ24	50	8	20	40	185	M10*1.5	260/310
100L		100	64	101	ϕ28	60	8	24	50	217	M12*1.75	340
112M		112	68	106	ϕ28	60	8	24	50	240	M12*1.75	363
132S/M		132	60/98	131.5/129	ϕ38	80	10	33	70	292	M14*2	395/435
160M/L		160	95/74	165.5/198	ϕ42	110	12	37	90	349	M16*2	533/577
180M/L		180	129/108	177/206.5	ϕ48	110	14	42.5	90	374	M20*2.5	582/620
200L		200	108	231.5	ϕ55	110	16	49	90	417	M20*2.5	672
225S	4,6,8	225	126	229	ϕ60	140	18	53	110	485	M24*3	715
225M	2	225	126	241.5	ϕ55	110	16	49	110	485	M24*3	710
	4,6,8	225	126	241.5	ϕ60	140	18	53	110	485	M24*3	740
250M	2	250	135	275	ϕ60	140	18	53	110	529	M24*3	815
	4,6,8	250	135	275	ϕ65	140	18	58	110	529	M24*3	815
280S/M	2	280	154	297/322.5	ϕ65	140	18	58	110	589	M27*3	880/930
	4,6,8	280	154	297/322.5	ϕ75	140	20	67.5	110	589	M27*3	880/930

S-T3C Series TEFC IE3 Efficiency High-temperature Smoke-extraction Motors Technical Data(400V/50Hz)

Model	Power (KW)	Speed (r/min)	FL Current (A)	Eff (%)	PF (COSΦ)	Tn (N.M)	I_{st}/I_n (Times)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	Net weight (kg)	Moment of inertia ($kg*m^2$)
2 Pole 3000 rpm Synchronous Speed 50Hz												
S-T3C 801-2	0.75	2880	1.68	80.7	0.80	2.49	7.5	2.5	2.1	2.8	14.4	0.00093
S-T3C 802-2	1.1	2880	2.40	82.7	0.80	3.65	8	2.5	1.8	2.8	16.2	0.00128
S-T3C 90S-2	1.5	2880	3.06	84.2	0.84	4.97	8.5	2.5	1.8	2.8	20.6	0.00224
S-T3C 90L-2	2.2	2880	4.45	85.9	0.83	7.30	8.6	2.5	1.8	2.8	23.5	0.00279
S-T3C 100L-2	3	2900	5.65	87.1	0.88	9.88	9.5	2.5	2.0	2.8	34.1	0.00496
S-T3C 112M-2	4	2910	7.28	88.1	0.90	13.13	10.5	2.5	2.0	2.8	42.2	0.00744
S-T3C 132S1-2	5.5	2910	10.11	89.2	0.88	18.05	10	2.5	2.0	3.0	60.5	0.01468
S-T3C 132S2-2	7.5	2920	13.50	90.1	0.89	24.53	10	2.5	1.5	3.0	68.3	0.01903
S-T3C 132M1-2	9.2	2920	16.47	90.6	0.89	30.09	10	2.5	1.5	3.0	76.2	0.02048
S-T3C 160M1-2	11	2930	19.34	91.2	0.90	35.85	9.5	2.5	1.4	3.0	109.4	0.05178
S-T3C 160M2-2	15	2940	26.18	91.9	0.90	48.72	10	2.5	1.4	3.0	124.9	0.06206
S-T3C 160L-2	18.5	2940	31.76	92.4	0.91	60.09	9.5	2.5	1.4	3.0	140.8	0.07669
S-T3C 180M-2	22	2945	38.5	92.7	0.89	71.34	9	2.5	1.4	3.0	163.7	0.09665
S-T3C 200L1-2	30	2945	52.1	93.3	0.89	97.3	8.5	2.5	1.5	2.5	226.1	0.17351
S-T3C 200L2-2	37	2945	64.0	93.7	0.89	120.0	8.5	2.5	1.5	2.5	244.4	0.20008
S-T3C 225M-2	45	2950	75.9	94	0.91	145.7	8.5	2.5	1.4	2.5	312.0	0.34366
S-T3C 250M-2	55	2960	93.5	94.3	0.90	177.4	10	2.5	1.4	2.6	396.1	0.44434
S-T3C 280S-2	75	2960	125.6	94.7	0.91	242.0	10	2.5	1.8	2.6	530.5	0.82911
S-T3C 280M-2	90	2960	150.3	95	0.91	290.4	10	2.5	1.8	2.6	603.9	0.98168
S-T3C 315S-2	110	2960	185.3	95.2	0.90	354.9	7	2.0	1.4	2.3	833.3	1.70352
S-T3C 315M-2	132	2960	221.9	95.4	0.90	425.9	7	2.0	1.4	2.3	975.6	1.93860
S-T3C 315L1-2	160	2960	267.8	95.8	0.90	516.2	7	2.0	1.4	2.3	1044.8	2.19758
S-T3C 315L2-2	200	2960	334.8	95.8	0.90	645.3	7	2.0	1.4	2.3	1138.3	2.55368
S-T3C 355M1-2	220	2960	394.6	95.8	0.84	709.8	6.5	2.0	1.4	2.3	1500.7	2.95585
S-T3C 355M2-2	250	2960	448.4	95.8	0.84	806.6	6.5	2.0	1.5	2.3	1538.4	3.14272
S-T3C 355L1-2	280	2960	502.2	95.8	0.84	903.4	6.5	2.0	1.5	2.3	1678.6	3.47911
S-T3C 355L2-2	315	2960	558.3	95.8	0.85	1016.3	6.5	2.0	1.5	2.3	1764.5	3.85287
4 Pole 1500 rpm Synchronous Speed 50Hz												
S-T3C 802-4	0.75	1420	1.90	82.5	0.69	5.04	6.3	2.8	2.2	2.8	17.2	0.00155
S-T3C 90S-4	1.1	1430	2.62	84.1	0.72	7.35	6.8	2.8	2.2	2.8	21.4	0.00372
S-T3C 90L-4	1.5	1430	3.63	85.3	0.70	10.02	7.3	2.8	2.2	3.0	25.4	0.00469
S-T3C 100L1-4	2.2	1430	4.52	86.7	0.81	14.69	8	2.8	2.2	3.0	33.8	0.00922
S-T3C 100L2-4	3	1435	6.33	87.7	0.78	19.97	8.2	2.5	2.2	3.0	37.8	0.01195
S-T3C 112M-4	4	1440	7.95	88.6	0.82	26.53	8.6	2.5	2.2	3.0	45.3	0.01545
S-T3C 132S-4	5.5	1440	10.67	89.6	0.83	36.48	9	2.5	1.8	3.0	64.2	0.03397
S-T3C 132M-4	7.5	1440	14.09	90.4	0.85	49.74	9	2.5	1.6	3.0	76.3	0.04412
S-T3C 132M2-4	9.2	1440	17.19	90.9	0.85	61.01	9	2.5	1.6	3.0	78.7	0.04700
S-T3C 160M-4	11	1450	20.68	91.4	0.84	72.45	10	2.5	1.3	3.0	118.0	0.10355
S-T3C 160L-4	15	1450	27.33	92.1	0.86	98.8	8.5	2.5	1.3	2.8	141.1	0.13750
S-T3C 180M-4	18.5	1460	33.5	92.6	0.86	121.0	9	2.5	1.8	3.0	156.9	0.15530
S-T3C 180L-4	22	1460	39.2	93	0.87	143.9	10	2.5	1.8	3.0	183.8	0.19433
S-T3C 200L-4	30	1470	57.1	93.6	0.81	194.9	9	2.5	1.8	2.8	239.6	0.29441
S-T3C 225S-4	37	1470	65.4	93.9	0.87	240.4	9.2	2.5	1.4	2.5	292.7	0.57838
S-T3C 225M-4	45	1470	79.3	94.2	0.87	292.3	9	2.5	1.5	2.5	323.6	0.65309
S-T3C 250M-4	55	1470	95.4	94.6	0.88	357.3	8.5	2.5	1.8	2.5	398.2	0.76504
S-T3C 280S-4	75	1480	131.0	95	0.87	484.0	10	2.5	1.8	2.8	528.2	1.99603
S-T3C 280M-4	90	1480	160.5	95.2	0.85	580.7	10	2.5	1.8	2.8	605.2	2.18345
S-T3C 315S-4	110	1480	189.1	95.4	0.88	709.8	9	2.2	1.5	2.6	834.8	3.71808
S-T3C 315M-4	132	1480	226.5	95.6	0.88	851.8	9	2.2	1.5	2.6	932.0	4.29667
S-T3C 315L1-4	160	1480	273.9	95.8	0.88	1032.4	9	2.2	1.5	2.6	1060.6	5.10990
S-T3C 315L2-4	200	1480	337.9	96	0.89	1290.5	9	2.2	1.5	2.6	1164.5	6.17334
S-T3C 355M1-4	220	1480	371.7	96	0.89	1419.6	8	2.0	1.3	2.3	1395.2	7.04227
S-T3C 355M-4	250	1480	422.3	96	0.89	1613.2	8	2.0	1.3	2.3	1467.1	7.63820
S-T3C 355L1-4	280	1480	473.0	96	0.89	1806.8	8	2.0	1.3	2.3	1529.6	8.31927
S-T3C 355L-4	315	1480	532.1	96	0.89	2032.6	8	2.0	1.3	2.3	1605.5	9.34080
6 Pole 1000 rpm Synchronous Speed 50Hz												
S-T3C 90S-6	0.75	935	2.05	78.9	0.67	7.66	5	2.0	1.8	2.2	20.7	0.00435
S-T3C 90L-6	1.1	940	2.97	81	0.66	11.18	5.2	2.3	1.8	2.2	24.8	0.00611
S-T3C 100L-6	1.5	940	3.55	82.5	0.74	15.24	5.2	2.0	1.7	2.2	31.8	0.00972
S-T3C 112M-6	2.2	940	5.38	84.3	0.70	22.35	6.2	2.0	1.8	2.2	40.5	0.01637
S-T3C 132S-6	3	940	6.84	85.6	0.74	30.48	6	2.0	1.7	2.2	55.6	0.03223
S-T3C 132M1-6	4	950	8.99	86.8	0.74	40.21	7	2.0	1.6	2.5	66.0	0.04338
S-T3C 132M2-6	5.5	950	12.71	88	0.71	55.29	7.5	2.3	1.8	2.5	74.1	0.05443
S-T3C 160M-6	7.5	960	16.2	89.1	0.75	74.6	7.5	2.3	1.4	2.8	110.7	0.08726
S-T3C 160L-6	11	960	23.1	90.3	0.76	109.4	8.5	2.5	1.4	2.8	138.6	0.13544
S-T3C 180L-6	15	960	30.1	91.2	0.79	149.2	8	2.5	1.4	2.8	173.3	0.27973
S-T3C 200L1-6	18.5	970	36.4	91.7	0.80	182.1	9.5	2.5	1.4	2.8	215.5	0.38345
S-T3C 200L2-6	22	970	42.5	92.2	0.81	216.6	10	2.5	1.5	2.8	233.1	0.44941
S-T3C 225M-6	30	975	53.0	92.9	0.88	293.8	7	1.8	1.5	2.2	311.6	0.67058
S-T3C 250M-6	37	975	67.3	93.3	0.85	362.4	7	1.8	1.3	2.0	371.5	0.99243
S-T3C 280S-6	45	980	83.5	93.7	0.83	438.5	10	2.5	1.8	2.8	478.2	2.20274
S-T3C 280M1-6	55	980	99.3	94.1	0.85	536.0	10	2.5	1.8	2.8	543.1	2.57302
S-T3C 315S-6	75	980	139.6	94.6	0.82	730.9	7.5	2.0	1.3	2.3	775.4	3.80317
S-T3C 315M-6	90	980	166.9	94.9	0.82	877.0	7.5	2.0	1.3	2.3	873.1	4.45274
S-T3C 315L1-6	110	980	203.6	95.1	0.82	1071.9	7.5	2.0	1.3	2.3	964.4	5.53956
S-T3C 315L2-6	132	980	243.6	95.4	0.82	1286.3	7.5	2.0	1.3	2.3	1063.0	6.62638
S-T3C 355M1-6	160	980	294.6	95.6	0.82	1559.2	7.5	2.0	1.3	2.3	1418.8	8.97637
S-T3C 355M2-6	200	980	367.5	95.8	0.82	1949.0	7.5	2.0	1.3	2.3	1571.0	11.00175
S-T3C 355L1-6	220	980	404.2	95.8	0.82	2143.9	7.5	2.0	1.3	2.3	1658.7	11.64134
S-T3C 355L-6	250	980	459.3	95.8	0.82	2436.2	7.5	2.0	1.3	2.3	1846.2	13.56011

S-T4C Series TEFC IE4 Efficiency High-temperature Smoke-extraction Motors Technical Data(400V/50Hz)

Model	Power (KW)	Speed (r/min)	FL Current (A)	Eff (%)	PF (COSΦ)	Tn (N.M)	I_{st}/I_n (Times)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	Net weight (kg)	Moment of inertia ($kg*m^2$)
2 Pole 3000 rpm Synchronous Speed 50Hz												
S-T4C 801-2	0.75	2920	1.56	83.5	0.83	2.45	8.5	2.2	1.5	2.3	15.4	0.001378
S-T4C 802-2	1.1	2920	2.25	85.2	0.83	3.60	8.5	2.2	1.5	2.3	17.6	0.001786
S-T4C 90S-2	1.5	2940	2.94	86.5	0.85	4.87	9	2.2	1.5	2.3	21.1	0.002641
S-T4C 90L-2	2.2	2940	4.20	88	0.86	7.15	9	2.2	1.4	2.3	25.5	0.003579
S-T4C 100L-2	3	2945	5.59	89.1	0.87	9.73	9.5	2.2	1.4	2.3	38.1	0.005759
S-T4C 112M-2	4	2945	7.29	90	0.88	12.97	9.5	2.2	1.4	2.3	47.4	0.009727
S-T4C 132S1-2	5.5	2950	9.9	90.9	0.88	17.8	9.5	2	1.2	2.3	65.6	0.028403
S-T4C 132S2-2	7.5	2950	13.3	91.7	0.89	24.3	9.5	2	1.2	2.3	76.1	0.034884
S-T4C 160M1-2	11	2960	19.3	92.6	0.89	35.5	9.5	2	1.2	2.3	125.9	0.069511
S-T4C 160M2-2	15	2960	26.1	93.3	0.89	48.42	9.5	2	1.2	2.3	143.3	0.084762
S-T4C 160L-2	18.5	2965	32.0	93.7	0.89	59.6	9.5	2	1.1	2.3	165	0.102457
S-T4C 180M-2	22	2965	38.0	94	0.89	70.9	9.5	2	1.1	2.3	186.4	0.163272
S-T4C 200L1-2	30	2970	51.5	94.5	0.89	96.5	9	2	1.1	2.3	245.8	0.266942
S-T4C 200L2-2	37	2970	63.3	94.8	0.89	119	9	2	1.1	2.3	270.3	0.303129
S-T4C 225M-2	45	2975	76.8	95	0.89	144.5	9	2	1	2.3	362.6	0.393325
S-T4C 250M-2	55	2980	93.6	95.3	0.89	176.3	9	2	1	2.3	440.7	1.04404
S-T4C 280S-2	75	2980	127.2	95.6	0.89	240.46	8.5	1.8	0.9	2.3	550.9	1.26700
S-T4C 280M-2	90	2980	152.4	95.8	0.89	288.55	8.5	1.8	0.9	2.3	658.4	1.49469
S-T4C 315S-2	110	2980	185.8	96	0.89	352.67	8.5	1.8	0.9	2.3	903.9	2.03578
S-T4C 315M-2	132	2980	222.5	96.2	0.89	423.2	8.5	1.8	0.9	2.3	1006.8	2.35199
S-T4C 315L1-2	160	2980	269.5	96.3	0.89	513	8.5	1.8	0.9	2.2	1075.2	2.72022
S-T4C 315L2-2	200	2980	336.1	96.5	0.89	641.2	8.5	1.8	0.8	2.2	1227.9	3.27257
S-T4C 355M-2	250	2980	420.1	96.5	0.89	801.5	8.5	1.6	0.8	2.2	1678	4.48102
S-T4C 355L-2	315	2980	529.4	96.5	0.89	1009.9	8.5	1.6	0.8	2.2	1909.4	5.60411
4 Pole 1500 rpm Synchronous Speed 50Hz												
S-T4C 802-4	0.75	1435	1.71	85.7	0.74	4.99	8.5	2.3	1.6	2.3	18.5	0.003014
S-T4C 90S-4	1.1	1445	2.43	87.2	0.75	7.27	8.5	2.3	1.6	2.3	22.9	0.004870
S-T4C 90L-4	1.5	1445	3.23	88.2	0.76	9.92	9	2.3	1.6	2.3	27.3	0.006462
S-T4C 100L1-4	2.2	1450	4.49	89.5	0.79	14.5	9	2.3	1.5	2.3	37.1	0.013232
S-T4C 100L2-4	3	1450	5.99	90.4	0.8	19.77	9.5	2.3	1.5	2.3	39.6	0.018299
S-T4C 112M-4	4	1465	7.92	91.1	0.8	26.1	9.5	2.3	1.5	2.3	52.2	0.023619
S-T4C 132S-4	5.5	1470	10.80	91.9	0.8	35.75	9.5	2	1.4	2.3	73.5	0.062668
S-T4C 132M-4	7.5	1470	14.43	92.6	0.81	48.75	9.5	2	1.4	2.3	88.3	0.071550
S-T4C 160M-4	11	1475	20.50	93.3	0.83	71.25	9.5	2	1.4	2.3	132.1	0.144332
S-T4C 160L-4	15	1475	27.45	93.9	0.84	97.16	9.5	2	1.4	2.3	159.8	0.183746
S-T4C 180M-4	18.5	1475	33.35	94.2	0.85	119.83	9.5	2	1.2	2.3	183.7	0.265560
S-T4C 180L-4	22	1475	39.53	94.5	0.85	142.5	9.5	2	1.2	2.3	205.7	0.302770
S-T4C 200L-4	30	1480	53.68	94.9	0.85	193.67	9	2	1.2	2.3	268.3	0.565734
S-T4C 225S-4	37	1480	66.0	95.2	0.85	238.85	9	2	1.2	2.3	329.8	0.793793
S-T4C 225M-4	45	1480	80.1	95.4	0.85	290.5	9	2	1.1	2.3	370.1	0.869477
S-T4C 250M-4	55	1480	96.5	95.7	0.86	355	9	2	1.1	2.3	470.7	1.43506
S-T4C 280S-4	75	1485	129.6	96	0.87	482.5	8.5	2	1	2.3	576.3	2.14904
S-T4C 280M-4	90	1485	153.6	96.1	0.88	579	8.5	2	1	2.3	670.6	2.37746
S-T4C 315S-4	110	1485	185.2	96.3	0.89	707.7	8.5	1.8	1	2.2	883	3.94264
S-T4C 315M-4	132	1485	222.1	96.4	0.89	849.3	8.5	1.8	1	2.2	992.5	4.47125
S-T4C 315L1-4	160	1485	265.6	96.6	0.9	1029.4	8.5	1.8	1	2.2	1113.4	5.26738
S-T4C 315L2-4	200	1485	331.7	96.7	0.9	1286.8	8.5	1.8	0.9	2.2	1245.6	6.29098
S-T4C 355M-4	250	1485	414.6	96.7	0.9	1608.4	8.5	1.8	0.9	2.2	1491	10.21155
S-T4C 355L-4	315	1485	522.4	96.7	0.9	2026.6	8.5	1.8	0.8	2.2	1685.6	11.37405
6 Pole 1000 rpm Synchronous Speed 50Hz												
S-T4C 90S-6	0.75	940	1.87	82.7	0.7	7.62	7.5	2.1	1.5	2.1	22.4	0.006111
S-T4C 90L-6	1.1	940	2.68	84.5	0.7	11.18	7.5	2.1	1.3	2.1	27.6	0.008842
S-T4C 100L-6	1.5	950	3.55	85.9	0.71	15.1	7.5	2.1	1.3	2.1	37.3	0.017022
S-T4C 112M-6	2.2	950	5.12	87.4	0.71	22.1	7.5	2	1.3	2.1	46.3	0.030441
S-T4C 132S-6	3	970	6.88	88.6	0.71	29.6	7.5	2	1.3	2.1	63	0.049183
S-T4C 132M1-6	4	970	8.96	89.5	0.72	39.4	8	2	1.3	2.1	73.6	0.060576
S-T4C 132M2-6	5.5	970	12.18	90.5	0.72	54.2	8	2	1.3	2.1	86.6	0.085987
S-T4C 160M-6	7.5	970	15.60	91.3	0.76	73.9	8	2	1.3	2.1	120.5	0.148902
S-T4C 160L-6	11	975	22.34	92.3	0.77	107.8	8.5	2	1.2	2.1	153.7	0.220406
S-T4C 180L-6	15	975	29.1	92.9	0.8	147	8.5	2	1.2	2.1	194.4	0.363213
S-T4C 200L1-6	18.5	975	35.7	93.4	0.8	181.3	8.5	2	1.2	2.1	239.8	0.467407
S-T4C 200L2-6	22	975	41.8	93.7	0.81	215.6	8.5	2	1.2	2.1	264.4	0.568245
S-T4C 225M-6	30	980	56.1	94.2	0.82	292.5	8.3	2	1.2	2.1	347.7	0.938040
S-T4C 250M-6	37	980	68.1	94.5	0.83	360.7	8.3	2	1.2	2.1	404.7	1.63284
S-T4C 280S-6	45	985	82.5	94.8	0.83	436.5	8.5	2	1.1	2	502.8	2.33569
S-T4C 280M1-6	55	985	99.4	95.1	0.84	533.5	8.5	2	1.1	2	571.8	2.70272
S-T4C 315S-6	75	990	135.1	95.4	0.84	723.8	8	1.6	1	2	802.5	4.41427
S-T4C 315M-6	90	990	159.9	95.6	0.85	868.6	8	1.6	1	2	922.4	5.25737
S-T4C 315L1-6	110	990	195.0	95.8	0.85	1061.6	8	1.6	1	2	992.5	6.30902
S-T4C 315L2-6	132	990	230.8	96	0.86	1273.9	8	1.6	1	2	1078.2	7.51090
S-T4C 355M1-6	160	990	279.1	96.2	0.86	1544.1	8	1.6	1	2	1431.6	12.14049
S-T4C 355M2-6	200	990	348.6	96.3	0.86	1930.1	8	1.6	0.9	2	1655.7	15.03689
S-T4C 355L-6	250	990	434.8	96.5	0.86	2412.7	8	2.0	1.3	2.3	1864.8	16.96783

S-T3C Series TEFC IE3 Efficiency High-temperature Smoke-extraction Motors Technical Data(460V/60Hz)

Model	Power (KW)	Speed (r/min)	FL Current (A)	Eff (%)	PF (COSΦ)	Tn (N.M)	I_{st}/I_n (Times)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	Net weight (kg)	Moment of inertia ($kg*m^2$)
2 POLE – 3600 RPM SYNCHRONOUS SPEED 60 Hz												
S–T3C 801–2	0.75	3450	1.75	77	0.70	2.08	7.5	2.5	2.1	2.8	14.4	0.00093
S–T3C 802–2	1.1	3450	1.96	84	0.84	3.04	8	2.5	1.8	2.8	16.2	0.00128
S–T3C 90S–2	1.5	3450	2.65	85.5	0.83	4.15	8.5	2.5	1.8	2.8	20.6	0.00224
S–T3C 90L–2	2.2	3510	3.76	86.5	0.85	5.99	8.6	2.5	1.8	2.8	23.5	0.00279
S–T3C 100L–2	3	3510	4.95	86.5	0.88	8.16	9.5	2.5	2.0	2.8	34.1	0.00496
S–T3C 112M–2	4	3510	6.45	88.5	0.88	10.88	10.5	2.5	2.0	2.8	42.2	0.00744
S–T3C 132S1–2	5.5	3520	8.67	89.5	0.89	14.92	10	2.5	2.0	3.0	60.5	0.01468
S–T3C 132S2–2	7.5	3520	11.73	90.2	0.89	20.35	10	2.5	1.5	3.0	68.3	0.01903
S–T3C 132M1–2	9.2	3520	14.34	90.5	0.89	24.96	10	2.5	1.5	3.0	76.2	0.02048
S–T3C 160M1–2	11	3530	17.05	91	0.89	29.76	9.5	2.5	1.4	3.0	109.4	0.05178
S–T3C 160M2–2	15	3530	23.25	91	0.89	40.58	10	2.5	1.4	3.0	124.9	0.06206
S–T3C 160L–2	18.5	3540	28.45	91.7	0.89	49.91	9.5	2.5	1.4	3.0	140.8	0.07669
S–T3C 180M–2	22	3550	33.46	91.7	0.90	59.18	9	2.5	1.4	3.0	163.7	0.09665
S–T3C 200L1–2	30	3560	45.79	92.4	0.89	80.5	8.5	2.5	1.5	2.5	226.1	0.17351
S–T3C 200L2–2	37	3560	55.48	93	0.90	99.3	8.5	2.5	1.5	2.5	244.4	0.20008
S–T3C 225M–2	45	3560	67.05	93.6	0.90	120.7	8.5	2.5	1.4	2.5	312.0	0.34366
S–T3C 250M–2	55	3560	81.95	93.6	0.90	147.5	10	2.5	1.4	2.6	396.1	0.44434
S–T3C 280S–2	75	3570	111.15	94.1	0.90	200.6	10	2.5	1.8	2.6	530.5	0.82911
S–T3C 280M–2	90	3575	132.12	95	0.90	240.4	10	2.5	1.8	2.6	603.9	0.98168
S–T3C 315S–2	110	3575	161.48	95	0.90	293.8	7	2.0	1.4	2.3	833.3	1.70352
S–T3C 315M–2	132	3575	193.77	95	0.90	352.6	7	2.0	1.4	2.3	975.6	1.93860
S–T3C 315L1–2	160	3575	233.89	95.4	0.90	427.4	7	2.0	1.4	2.3	1044.8	2.19758
S–T3C 315L2–2	200	3575	291.14	95.8	0.90	534.3	7	2.0	1.4	2.3	1138.3	2.55368
S–T3C 355M1–2	220	3575	320.26	95.8	0.90	587.7	6.5	2.0	1.4	2.3	1500.7	2.95585
S–T3C 355M2–2	250	3575	363.93	95.8	0.90	667.8	6.5	2.0	1.5	2.3	1538.4	3.14272
S–T3C 355L1–2	280	3575	407.60	95.8	0.90	748.0	6.5	2.0	1.5	2.3	1678.6	3.47911
S–T3C 355L2–2	315	3575	458.55	95.8	0.90	841.5	6.5	2.0	1.5	2.3	1764.5	3.85287
4 POLE – 1800 RPM SYNCHRONOUS SPEED 60 Hz												
S–T3C 802–4	0.75	1730	1.49	85.5	0.74	4.14	6.3	2.8	2.2	2.8	17.2	0.00155
S–T3C 90S–4	1.1	1730	2.07	86.5	0.77	6.07	6.8	2.8	2.2	2.8	21.4	0.00372
S–T3C 90L–4	1.5	1730	2.76	86.5	0.79	8.28	7.3	2.8	2.2	3.0	25.4	0.00469
S–T3C 100L1–4	2.2	1750	3.86	89.5	0.80	12.01	8	2.8	2.2	3.0	33.8	0.00922
S–T3C 100L2–4	3	1750	5.26	89.5	0.80	16.37	8.2	2.5	2.2	3.0	37.8	0.01195
S–T3C 112M–4	4	1750	6.84	89.5	0.82	21.83	8.6	2.5	2.2	3.0	45.3	0.01545
S–T3C 132S–4	5.5	1750	9.07	91.7	0.83	30.01	9	2.5	1.8	3.0	64.2	0.03397
S–T3C 132M–4	7.5	1750	12.22	91.7	0.84	40.93	9	2.5	1.6	3.0	76.3	0.04412
S–T3C 132M2–4	9.2	1750	14.99	91.7	0.84	50.21	9	2.5	1.6	3.0	78.7	0.04700
S–T3C 160M–4	11	1760	17.79	92.4	0.84	59.69	10	2.5	1.3	3.0	118.0	0.10355
S–T3C 160L–4	15	1760	24.10	93	0.84	81.4	8.5	2.5	1.3	2.8	141.1	0.13750
S–T3C 180M–4	18.5	1770	29.18	93.6	0.85	99.8	9	2.5	1.8	3.0	156.9	0.15530
S–T3C 180L–4	22	1770	34.71	93.6	0.85	118.7	10	2.5	1.8	3.0	183.8	0.19433
S–T3C 200L–4	30	1770	46.53	94.1	0.86	161.9	9	2.5	1.8	2.8	239.6	0.29441
S–T3C 225S–4	37	1770	56.48	94.5	0.87	199.6	9.2	2.5	1.4	2.5	292.7	0.57838
S–T3C 225M–4	45	1775	68.34	95	0.87	242.1	9	2.5	1.5	2.5	323.6	0.65309
S–T3C 250M–4	55	1775	83.17	95.4	0.87	295.9	8.5	2.5	1.8	2.5	398.2	0.76504
S–T3C 280S–4	75	1780	113.42	95.4	0.87	402.4	10	2.5	1.8	2.8	528.2	1.99603
S–T3C 280M–4	90	1780	136.10	95.4	0.87	482.9	10	2.5	1.8	2.8	605.2	2.18345
S–T3C 315S–4	110	1780	163.77	95.8	0.88	590.2	9	2.2	1.5	2.6	834.8	3.71808
S–T3C 315M–4	132	1780	193.50	96.2	0.89	708.2	9	2.2	1.5	2.6	932.0	4.29667
S–T3C 315L1–4	160	1780	234.55	96.2	0.89	858.4	9	2.2	1.5	2.6	1060.6	5.10990
S–T3C 315L2–4	200	1780	293.19	96.2	0.89	1073.0	9	2.2	1.5	2.6	1164.5	6.17334
S–T3C 355M1–4	220	1780	322.51	96.2	0.89	1180.3	8	2.0	1.3	2.3	1395.2	7.04227
S–T3C 355M–4	250	1780	366.49	96.2	0.89	1341.3	8	2.0	1.3	2.3	1467.1	7.63820
S–T3C 355L1–4	280	1780	410.46	96.2	0.89	1502.2	8	2.0	1.3	2.3	1529.6	8.31927
S–T3C 355L–4	315	1780	461.77	96.2	0.89	1690.0	8	2.0	1.3	2.3	1605.5	9.34080
6 POLE – 1200 RPM SYNCHRONOUS SPEED 60 Hz												
S–T3C 90S–6	0.75	1150	1.78	82.5	0.64	6.23	5	2.0	1.8	2.2	20.7	0.00435
S–T3C 90L–6	1.1	1150	2.22	87.5	0.71	9.13	5.2	2.3	1.8	2.2	24.8	0.00611
S–T3C 100L–6	1.5	1150	2.91	88.5	0.73	12.46	5.2	2.0	1.7	2.2	31.8	0.00972
S–T3C 112M–6	2.2	1170	4.17	89.5	0.74	17.96	6.2	2.0	1.8	2.2	40.5	0.01637
S–T3C 132S–6	3	1170	5.54	89.5	0.76	24.49	6	2.0	1.7	2.2	55.6	0.03223
S–T3C 132M1–6	4	1170	7.38	89.5	0.76	32.65	7	2.0	1.6	2.5	66.0	0.04338
S–T3C 132M2–6	5.5	1170	10.02	89.5	0.77	44.89	7.5	2.3	1.8	2.5	74.1	0.05443
S–T3C 160M–6	7.5	1170	13.43	91	0.77	61.2	7.5	2.3	1.4	2.8	110.7	0.08726
S–T3C 160L–6	11	1175	19.55	91.7	0.77	89.4	8.5	2.5	1.4	2.8	138.6	0.13544
S–T3C 180L–6	15	1175	25.66	91.7	0.80	121.9	8	2.5	1.4	2.8	173.3	0.27973
S–T3C 200L1–6	18.5	1180	30.82	93	0.81	149.7	9.5	2.5	1.4	2.8	215.5	0.38345
S–T3C 200L2–6	22	1180	36.21	93	0.82	178.1	10	2.5	1.5	2.8	233.1	0.44941
S–T3C 225M–6	30	1180	47.64	94.1	0.84	242.8	7	1.8	1.5	2.2	311.6	0.67058
S–T3C 250M–6	37	1180	58.75	94.1	0.84	299.4	7	1.8	1.3	2.0	371.5	0.99243
S–T3C 280S–6	45	1185	70.31	94.5	0.85	362.7	10	2.5	1.8	2.8	478.2	2.20274
S–T3C 280M1–6	55	1185	84.94	94.5	0.86	443.2	10	2.5	1.8	2.8	543.1	2.57302
S–T3C 315S–6	75	1185	115.22	95	0.86	604.4	7.5	2.0	1.3	2.3	775.4	3.80317
S–T3C 315M–6	90	1185	138.26	95	0.86	725.3	7.5	2.0	1.3	2.3	873.1	4.45274
S–T3C 315L1–6	110	1185	165.65	95.8	0.87	886.5	7.5	2.0	1.3	2.3	964.4	5.53956
S–T3C 315L2–6	132	1185	198.78	95.8	0.87	1063.8	7.5	2.0	1.3	2.3	1063.0	6.62638
S–T3C 355M1–6	160	1185	240.94	95.8	0.87	1289.5	7.5	2.0	1.3	2.3	1418.8	8.97637
S–T3C 355M2–6	200	1185	301.18	95.8	0.87	1611.8	7.5	2.0	1.3	2.3	1571.0	11.00175
S–T3C 355L1–6	220	1185	331.30	95.8	0.87	1773.0	7.5	2.0	1.3	2.3	1658.7	11.64134
S–T3C 355L–6	250	1185	376.48	95.8	0.87	2014.8	7.5	2.0	1.3	2.3	1846.2	13.56011

S-T4C Series TEFC IE4 Efficiency High-temperature Smoke-extraction Motors Technical Data(460V/60Hz)

Model	Power (KW)	Speed (r/min)	FL Current (A)	Eff (%)	PF (COSΦ)	Tn (N.M)	I_{st}/I_n (Times)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	Net weight (kg)	Moment of inertia ($kg*m^2$)
2 POLE – 3600 RPM SYNCHRONOUS SPEED 60 Hz												
S–T4C 801–2	0.75	3510	1.37	82.5	0.83	2.04	8.5	2.2	1.5	2.3	15.4	0.001378
S–T4C 802–2	1.1	3510	1.95	85.5	0.83	2.99	8.5	2.2	1.5	2.3	17.6	0.001786
S–T4C 90S–2	1.5	3530	2.56	86.5	0.85	4.06	9	2.2	1.5	2.3	21.1	0.002641
S–T4C 90L–2	2.2	3530	3.63	88.5	0.86	5.95	9	2.2	1.4	2.3	25.5	0.003579
S–T4C 100L–2	3	3535	4.86	89.1	0.87	8.10	9.5	2.2	1.4	2.3	38.1	0.005759
S–T4C 112M–2	4	3535	6.34	90	0.88	10.81	9.5	2.2	1.4	2.3	47.4	0.009727
S–T4C 132S1–2	5.5	3540	8.70	90.2	0.88	17.8	9.5	2	1.2	2.3	65.6	0.028403
S–T4C 132S2–2	7.5	3540	11.53	91.7	0.89	24.3	9.5	2	1.2	2.3	76.1	0.034884
S–T4C 160M1–2	11	3550	16.79	92.4	0.89	35.5	9.5	2	1.2	2.3	125.9	0.069511
S–T4C 160M2–2	15	3550	22.89	92.4	0.89	48.42	9.5	2	1.2	2.3	143.3	0.084762
S–T4C 160L–2	18.5	3560	28.05	93	0.89	59.6	9.5	2	1.1	2.3	165	0.102457
S–T4C 180M–2	22	3560	33.36	93	0.89	70.9	9.5	2	1.1	2.3	186.4	0.163272
S–T4C 200L1–2	30	3565	45.20	93.6	0.89	96.5	9	2	1.1	2.3	245.8	0.266942
S–T4C 200L2–2	37	3565	55.45	94.1	0.89	119	9	2	1.1	2.3	270.3	0.303129
S–T4C 225M–2	45	3570	67.15	94.5	0.89	144.5	9	2	1	2.3	362.6	0.393325
S–T4C 250M–2	55	3575	82.08	94.5	0.89	176.3	9	2	1	2.3	440.7	1.04404
S–T4C 280S–2	75	3575	111.33	95	0.89	240.46	8.5	1.8	0.9	2.3	550.9	1.26700
S–T4C 280M–2	90	3575	133.04	95.4	0.89	288.55	8.5	1.8	0.9	2.3	658.4	1.49469
S–T4C 315S–2	110	3575	162.61	95.4	0.89	352.67	8.5	1.8	0.9	2.3	903.9	2.03578
S–T4C 315M–2	132	3575	195.13	95.4	0.89	423.2	8.5	1.8	0.9	2.3	1006.8	2.35199
S–T4C 315L1–2	160	3575	235.53	95.8	0.89	513	8.5	1.8	0.9	2.2	1075.2	2.72022
S–T4C 315L2–2	200	3575	293.19	96.2	0.89	641.2	8.5	1.8	0.8	2.2	1227.9	3.27257
S–T4C 355M–2	250	3575	366.49	96.2	0.89	801.5	8.5	1.6	0.8	2.2	1678	4.48102
S–T4C 355L–2	315	3575	461.77	96.2	0.89	1009.9	8.5	1.6	0.8	2.2	1909.4	5.60411
4 POLE – 1800 RPM SYNCHRONOUS SPEED 60 Hz												
S–T4C 802–4	0.75	1720	1.49	85.5	0.74	4.99	8.5	2.3	1.6	2.3	18.5	0.003014
S–T4C 90S–4	1.1	1730	2.10	87.5	0.75	7.27	8.5	2.3	1.6	2.3	22.9	0.004870
S–T4C 90L–4	1.5	1730	2.80	88.5	0.76	9.92	9	2.3	1.6	2.3	27.3	0.006462
S–T4C 100L1–4	2.2	1740	3.84	91	0.79	14.5	9	2.3	1.5	2.3	37.1	0.013232
S–T4C 100L2–4	3	1740	5.17	91	0.80	19.77	9.5	2.3	1.5	2.3	39.6	0.018299
S–T4C 112M–4	4	1750	6.89	91.1	0.80	26.1	9.5	2.3	1.5	2.3	52.2	0.023619
S–T4C 132S–4	5.5	1760	9.34	92.4	0.80	35.75	9.5	2	1.4	2.3	73.5	0.062668
S–T4C 132M–4	7.5	1760	12.58	92.4	0.81	48.75	9.5	2	1.4	2.3	88.3	0.071550
S–T4C 160M–4	11	1770	17.77	93.6	0.83	71.25	9.5	2	1.4	2.3	132.1	0.144332
S–T4C 160L–4	15	1770	23.82	94.1	0.84	97.16	9.5	2	1.4	2.3	159.8	0.183746
S–T4C 180M–4	18.5	1770	28.91	94.5	0.85	119.83	9.5	2	1.2	2.3	183.7	0.265560
S–T4C 180L–4	22	1770	34.38	94.5	0.85	142.5	9.5	2	1.2	2.3	205.7	0.302770
S–T4C 200L–4	30	1775	46.63	95	0.85	193.67	9	2	1.2	2.3	268.3	0.565734
S–T4C 225S–4	37	1775	57.27	95.4	0.85	238.85	9	2	1.2	2.3	329.8	0.793793
S–T4C 225M–4	45	1775	69.65	95.4	0.85	290.5	9	2	1.1	2.3	370.1	0.869477
S–T4C 250M–4	55	1775	83.79	95.8	0.86	355	9	2	1.1	2.3	470.7	1.43506
S–T4C 280S–4	75	1780	112.47	96.2	0.87	482.5	8.5	2	1	2.3	576.3	2.14904
S–T4C 280M–4	90	1780	133.43	96.2	0.88	579	8.5	2	1	2.3	670.6	2.37746
S–T4C 315S–4	110	1780	161.25	96.2	0.89	707.7	8.5	1.8	1	2.2	883	3.94264
S–T4C 315M–4	132	1780	193.50	96.2	0.89	849.3	8.5	1.8	1	2.2	992.5	4.47125
S–T4C 315L1–4	160	1780	231.22	96.5	0.90	1029.4	8.5	1.8	1	2.2	1113.4	5.26738
S–T4C 315L2–4	200	1780	289.03	96.5	0.90	1286.8	8.5	1.8	0.9	2.2	1245.6	6.29098
S–T4C 355M–4	250	1780	360.17	96.8	0.90	1608.4	8.5	1.8	0.9	2.2	1491	10.21155
S–T4C 355L–4	315	1780	453.81	96.8	0.90	2026.6	8.5	1.8	0.8	2.2	1685.6	11.37405
6 POLE – 1200 RPM SYNCHRONOUS SPEED 60 Hz												
S–T4C 90S–6	0.75	1125	1.60	84	0.70	7.62	7.5	2.1	1.5	2.1	22.4	0.006111
S–T4C 90L–6	1.1	1125	2.23	88.5	0.70	11.18	7.5	2.1	1.3	2.1	27.6	0.008842
S–T4C 100L–6	1.5	1140	2.96	89.5	0.71	15.1	7.5	2.1	1.3	2.1	37.3	0.017022
S–T4C 112M–6	2.2	1140	4.31	90.2	0.71	22.1	7.5	2	1.3	2.1	46.3	0.030441
S–T4C 132S–6	3	1160	5.88	90.2	0.71	29.6	7.5	2	1.3	2.1	63	0.049183
S–T4C 132M1–6	4	1160	7.73	90.2	0.72	39.4	8	2	1.3	2.1	73.6	0.060576
S–T4C 132M2–6	5.5	1160	10.46	91.7	0.72	54.2	8	2	1.3	2.1	86.6	0.085987
S–T4C 160M–6	7.5	1160	13.40	92.4	0.76	73.9	8	2	1.3	2.1	120.5	0.148902
S–T4C 160L–6	11	1170	19.28	93	0.77	107.8	8.5	2	1.2	2.1	153.7	0.220406
S–T4C 180L–6	15	1170	25.30	93	0.80	147	8.5	2	1.2	2.1	194.4	0.363213
S–T4C 200L1–6	18.5	1170	30.84	94.1	0.80	181.3	8.5	2	1.2	2.1	239.8	0.467407
S–T4C 200L2–6	22	1170	36.23	94.1	0.81	215.6	8.5	2	1.2	2.1	264.4	0.568245
S–T4C 225M–6	30	1175	48.34	95	0.82	292.5	8.3	2	1.2	2.1	347.7	0.938040
S–T4C 250M–6	37	1175	58.90	95	0.83	360.7	8.3	2	1.2	2.1	404.7	1.63284
S–T4C 280S–6	45	1180	71.33	95.4	0.83	436.5	8.5	2	1.1	2	502.8	2.33569
S–T4C 280M1–6	55	1180	86.14	95.4	0.84	533.5	8.5	2	1.1	2	571.8	2.70272
S–T4C 315S–6	75	1180	116.98	95.8	0.84	723.8	8	1.6	1	2	802.5	4.41427
S–T4C 315M–6	90	1180	138.72	95.8	0.85	868.6	8	1.6	1	2	922.4	5.25737
S–T4C 315L1–6	110	1180	168.84	96.2	0.85	1061.6	8	1.6	1	2	992.5	6.30902
S–T4C 315L2–6	132	1180	200.25	96.2	0.86	1273.9	8	1.6	1	2	1078.2	7.51090
S–T4C 355M1–6	160	1180	242.73	96.2	0.86	1544.1	8	1.6	1	2	1431.6	12.14049
S–T4C 355M2–6	200	1180	303.42	96.2	0.86	1930.1	8	1.6	0.9	2	1655.7	15.03689
S–T4C 355L–6	250	1180	378.09	96.5	0.86	2412.7	8	2.0	1.3	2.3	1864.8	16.96783

S-T3C Series TEAO IE3 Efficiency High-temperature Smoke-extraction Motors Technical Data(400V/50Hz)

Model	Power (KW)	Speed (r/min)	FL Current (A)	Eff (%)	PF (COSΦ)	Tn (N.M)	I_{st}/I_n (Times)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	Net weight (kg)	Moment of inertia ($kg*m^2$)
2 POLE – 3000 RPM SYNCHRONOUS SPEED 50 Hz												
S–T3C 801–2	0.75	2880	1.68	80.7	0.80	2.49	7.5	2.5	2.1	2.8	12.9	0.00093
S–T3C 802–2	1.1	2880	2.40	82.7	0.80	3.65	8	2.5	1.8	2.8	14.7	0.00128
S–T3C 90S–2	1.5	2880	3.06	84.2	0.84	4.97	8.5	2.5	1.8	2.8	18.9	0.00224
S–T3C 90L–2	2.2	2880	4.45	85.9	0.83	7.30	8.6	2.5	1.8	2.8	21.8	0.00279
S–T3C 100L–2	3	2900	5.65	87.1	0.88	9.88	9.5	2.5	2.0	2.8	32.5	0.00496
S–T3C 112M–2	4	2910	7.28	88.1	0.90	13.13	10.5	2.5	2.0	2.8	39.8	0.00744
S–T3C 132S1–2	5.5	2910	10.11	89.2	0.88	18.05	10	2.5	2.0	3.0	57.5	0.01468
S–T3C 132S2–2	7.5	2920	13.50	90.1	0.89	24.53	10	2.5	1.5	3.0	65.5	0.01903
S–T3C 132M1–2	9.2	2920	16.47	90.6	0.89	30.09	10	2.5	1.5	3.0	73.4	0.02048
S–T3C 160M1–2	11	2930	19.34	91.2	0.90	35.85	9.5	2.5	1.4	3.0	104.5	0.05178
S–T3C 160M2–2	15	2940	26.18	91.9	0.90	48.72	10	2.5	1.4	3.0	119.9	0.06206
S–T3C 160L–2	18.5	2940	31.76	92.4	0.91	60.09	9.5	2.5	1.4	3.0	135.8	0.07669
S–T3C 180M–2	22	2945	38.5	92.7	0.89	71.34	9	2.5	1.4	3.0	157.9	0.09665
S–T3C 200L1–2	30	2945	52.1	93.3	0.89	97.3	8.5	2.5	1.5	2.5	217.4	0.17351
S–T3C 200L2–2	37	2945	64.0	93.7	0.89	120.0	8.5	2.5	1.5	2.5	235.7	0.20008
S–T3C 225M–2	45	2950	75.9	94	0.91	145.7	8.5	2.5	1.4	2.5	301.8	0.34366
S–T3C 250M–2	55	2960	93.5	94.3	0.90	177.4	10	2.5	1.4	2.6	382.9	0.44434
S–T3C 280S–2	75	2960	125.6	94.7	0.91	242.0	10	2.5	1.8	2.6	515.7	0.82911
S–T3C 280M–2	90	2960	150.3	95	0.91	290.4	10	2.5	1.8	2.6	585.9	0.98168
S–T3C 315S–2	110	2960	185.3	95.2	0.90	354.9	7	2.0	1.4	2.3	798.7	1.70352
S–T3C 315M–2	132	2960	221.9	95.4	0.90	425.9	7	2.0	1.4	2.3	941.0	1.93860
S–T3C 315L1–2	160	2960	267.8	95.8	0.90	516.2	7	2.0	1.4	2.3	1010.2	2.19758
S–T3C 315L2–2	200	2960	334.8	95.8	0.90	645.3	7	2.0	1.4	2.3	1103.7	2.55368
S–T3C 355M1–2	220	2960	394.6	95.8	0.84	709.8	6.5	2.0	1.4	2.3	1453.5	2.95585
S–T3C 355M2–2	250	2960	448.4	95.8	0.84	806.6	6.5	2.0	1.5	2.3	1491.2	3.14272
S–T3C 355L1–2	280	2960	502.2	95.8	0.84	903.4	6.5	2.0	1.5	2.3	1631.4	3.47911
S–T3C 355L2–2	315	2960	558.3	95.8	0.85	1016.3	6.5	2.0	1.5	2.3	1717.3	3.85287
4 POLE – 1500 RPM SYNCHRONOUS SPEED 50 Hz												
S–T3C 802–4	0.75	1420	1.90	82.5	0.69	5.04	6.3	2.8	2.2	2.8	15.7	0.00155
S–T3C 90S–4	1.1	1430	2.62	84.1	0.72	7.35	6.8	2.8	2.2	2.8	19.8	0.00372
S–T3C 90L–4	1.5	1430	3.63	85.3	0.70	10.02	7.3	2.8	2.2	3.0	23.7	0.00469
S–T3C 100L1–4	2.2	1430	4.52	86.7	0.81	14.69	8	2.8	2.2	3.0	32.2	0.00922
S–T3C 100L2–4	3	1435	6.33	87.7	0.78	19.97	8.2	2.5	2.2	3.0	36.1	0.01195
S–T3C 112M–4	4	1440	7.95	88.6	0.82	26.53	8.6	2.5	2.2	3.0	43.0	0.01545
S–T3C 132S–4	5.5	1440	10.67	89.6	0.83	36.48	9	2.5	1.8	3.0	61.4	0.03397
S–T3C 132M–4	7.5	1440	14.09	90.4	0.85	49.74	9	2.5	1.6	3.0	73.5	0.04412
S–T3C 132M2–4	9.2	1440	17.19	90.9	0.85	61.01	9	2.5	1.6	3.0	75.9	0.04700
S–T3C 160M–4	11	1450	20.68	91.4	0.84	72.45	10	2.5	1.3	3.0	113.0	0.10355
S–T3C 160L–4	15	1450	27.33	92.1	0.86	98.8	8.5	2.5	1.3	2.8	136.1	0.13750
S–T3C 180M–4	18.5	1460	33.5	92.6	0.86	121.0	9	2.5	1.8	3.0	151.1	0.15530
S–T3C 180L–4	22	1460	39.2	93	0.87	143.9	10	2.5	1.8	3.0	178.0	0.19433
S–T3C 200L–4	30	1470	57.1	93.6	0.81	194.9	9	2.5	1.8	2.8	230.8	0.29441
S–T3C 225S–4	37	1470	65.4	93.9	0.87	240.4	9.2	2.5	1.4	2.5	282.5	0.57838
S–T3C 225M–4	45	1470	79.3	94.2	0.87	292.3	9	2.5	1.5	2.5	313.3	0.65309
S–T3C 250M–4	55	1470	95.4	94.6	0.88	357.3	8.5	2.5	1.8	2.5	385.1	0.76504
S–T3C 280S–4	75	1480	131.0	95	0.87	484.0	10	2.5	1.8	2.8	513.2	1.99603
S–T3C 280M–4	90	1480	160.5	95.2	0.85	580.7	10	2.5	1.8	2.8	587.0	2.18345
S–T3C 315S–4	110	1480	189.1	95.4	0.88	709.8	9	2.2	1.5	2.6	798.1	3.71808
S–T3C 315M–4	132	1480	226.5	95.6	0.88	851.8	9	2.2	1.5	2.6	895.2	4.29667
S–T3C 315L1–4	160	1480	273.9	95.8	0.88	1032.4	9	2.2	1.5	2.6	1023.8	5.10990
S–T3C 315L2–4	200	1480	337.9	96	0.89	1290.5	9	2.2	1.5	2.6	1127.7	6.17334
S–T3C 355M1–4	220	1480	371.7	96	0.89	1419.6	8	2.0	1.3	2.3	1346.4	7.04227
S–T3C 355M–4	250	1480	422.3	96	0.89	1613.2	8	2.0	1.3	2.3	1418.3	7.63820
S–T3C 355L1–4	280	1480	473.0	96	0.89	1806.8	8	2.0	1.3	2.3	1480.8	8.31927
S–T3C 355L–4	315	1480	532.1	96	0.89	2032.6	8	2.0	1.3	2.3	1556.7	9.34080
6 POLE – 1000 RPM SYNCHRONOUS SPEED 50 Hz												
S–T3C 90S–6	0.75	935	2.05	78.9	0.67	7.66	5	2.0	1.8	2.2	19.0	0.00435
S–T3C 90L–6	1.1	940	2.97	81	0.66	11.18	5.2	2.3	1.8	2.2	23.1	0.00611
S–T3C 100L–6	1.5	940	3.55	82.5	0.74	15.24	5.2	2.0	1.7	2.2	30.2	0.00972
S–T3C 112M–6	2.2	940	5.38	84.3	0.70	22.35	6.2	2.0	1.8	2.2	38.2	0.01637
S–T3C 132S–6	3	940	6.84	85.6	0.74	30.48	6	2.0	1.7	2.2	52.8	0.03223
S–T3C 132M1–6	4	950	8.99	86.8	0.74	40.21	7	2.0	1.6	2.5	63.2	0.04338
S–T3C 132M2–6	5.5	950	12.71	88	0.71	55.29	7.5	2.3	1.8	2.5	71.3	0.05443
S–T3C 160M–6	7.5	960	16.2	89.1	0.75	74.6	7.5	2.3	1.4	2.8	105.8	0.08726
S–T3C 160L–6	11	960	23.1	90.3	0.76	109.4	8.5	2.5	1.4	2.8	133.6	0.13544
S–T3C 180L–6	15	960	30.1	91.2	0.79	149.2	8	2.5	1.4	2.8	167.4	0.27973
S–T3C 200L1–6	18.5	970	36.4	91.7	0.80	182.1	9.5	2.5	1.4	2.8	206.7	0.38345
S–T3C 200L2–6	22	970	42.5	92.2	0.81	216.6	10	2.5	1.5	2.8	224.3	0.44941
S–T3C 225M–6	30	975	53.0	92.9	0.88	293.8	7	1.8	1.5	2.2	301.4	0.67058
S–T3C 250M–6	37	975	67.3	93.3	0.85	362.4	7	1.8	1.3	2.0	358.3	0.99243
S–T3C 280S–6	45	980	83.5	93.7	0.83	438.5	10	2.5	1.8	2.8	463.2	2.20274
S–T3C 280M1–6	55	980	99.3	94.1	0.85	536.0	10	2.5	1.8	2.8	525.0	2.57302
S–T3C 315S–6	75	980	139.6	94.6	0.82	730.9	7.5	2.0	1.3	2.3	738.7	3.80317
S–T3C 315M–6	90	980	166.9	94.9	0.82	877.0	7.5	2.0	1.3	2.3	836.3	4.45274
S–T3C 315L1–6	110	980	203.6	95.1	0.82	1071.9	7.5	2.0	1.3	2.3	927.6	5.53956
S–T3C 315L2–6	132	980	243.6	95.4	0.82	1286.3	7.5	2.0	1.3	2.3	1026.2	6.62638
S–T3C 355M1–6	160	980	294.6	95.6	0.82	1559.2	7.5	2.0	1.3	2.3	1370.0	8.97637
S–T3C 355M2–6	200	980	367.5	95.8	0.82	1949.0	7.5	2.0	1.3	2.3	1522.2	11.00175
S–T3C 355L1–6	220	980	404.2	95.8	0.82	2143.9	7.5	2.0	1.3	2.3	1609.9	11.64134
S–T3C 355L2–6	250	980	459.3	95.8	0.82	2436.2	7.5	2.0	1.3	2.3	1797.4	13.56011

S-T4C Series TEAO IE4 Efficiency High-temperature Smoke-extraction Motors Technical Data(400V/50Hz)

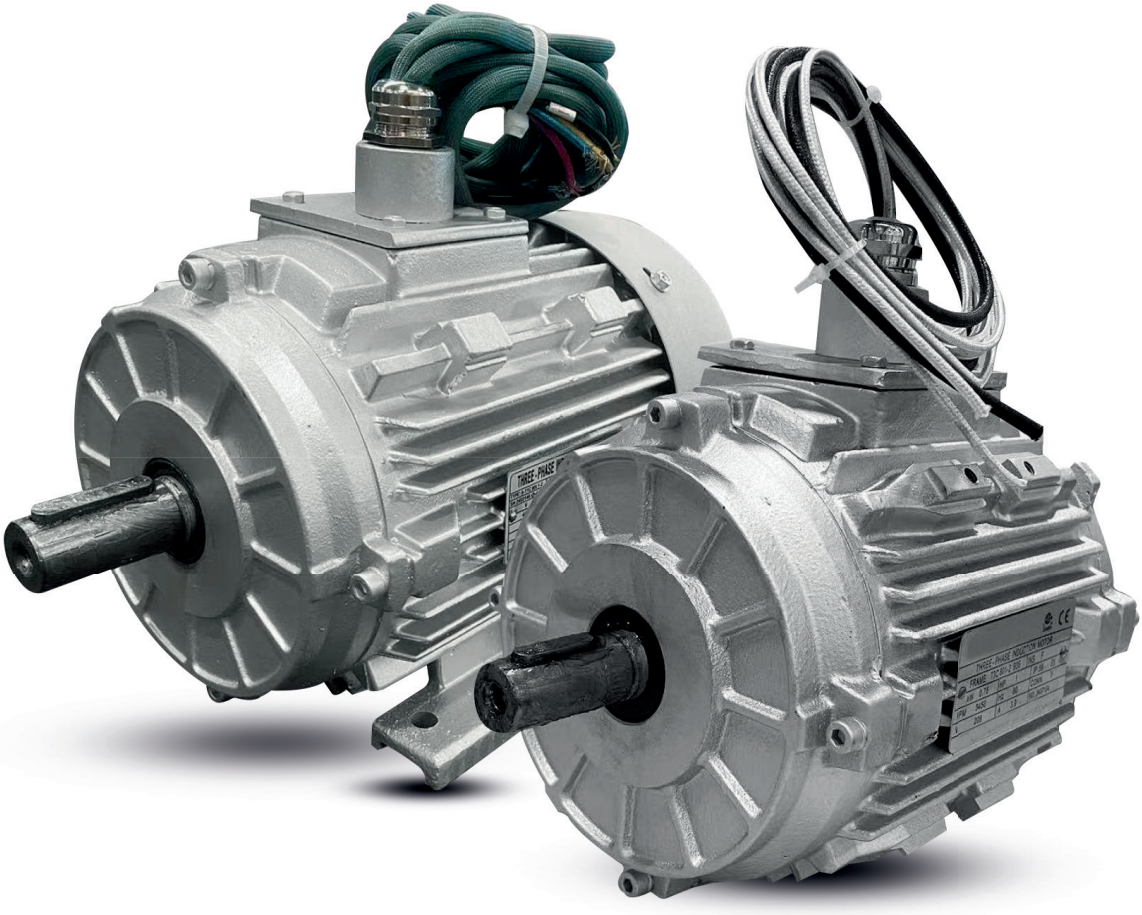
Model	Power (KW)	Speed (r/min)	FL Current (A)	Eff (%)	PF (COSΦ)	Tn (N.M)	I_{st}/I_n (Times)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	Net weight (kg)	Moment of inertia ($kg*m^2$)
2 POLE – 3000 RPM SYNCHRONOUS SPEED 50 Hz												
S–T4C 801–2	0.75	2920	1.56	83.5	0.83	2.45	8.5	2.2	1.5	2.3	13.9	0.001378
S–T4C 802–2	1.1	2920	2.25	85.2	0.83	3.60	8.5	2.2	1.5	2.3	16.2	0.001786
S–T4C 90S–2	1.5	2940	2.94	86.5	0.85	4.87	9	2.2	1.5	2.3	19.5	0.002641
S–T4C 90L–2	2.2	2940	4.20	88	0.86	7.15	9	2.2	1.4	2.3	23.8	0.003579
S–T4C 100L–2	3	2945	5.59	89.1	0.87	9.73	9.5	2.2	1.4	2.3	36.5	0.005759
S–T4C 112M–2	4	2945	7.29	90	0.88	12.97	9.5	2.2	1.4	2.3	45.1	0.009727
S–T4C 132S1–2	5.5	2950	9.9	90.9	0.88	17.8	9.5	2	1.2	2.3	62.8	0.028403
S–T4C 132S2–2	7.5	2950	13.3	91.7	0.89	24.3	9.5	2	1.2	2.3	73.3	0.034884
S–T4C 160M1–2	11	2960	19.3	92.6	0.89	35.5	9.5	2	1.2	2.3	120.9	0.069511
S–T4C 160M2–2	15	2960	26.1	93.3	0.89	48.42	9.5	2	1.2	2.3	138.3	0.084762
S–T4C 160L–2	18.5	2965	32.0	93.7	0.89	59.6	9.5	2	1.1	2.3	160	0.102457
S–T4C 180M–2	22	2965	38.0	94	0.89	70.9	9.5	2	1.1	2.3	180.6	0.163272
S–T4C 200L1–2	30	2970	51.5	94.5	0.89	96.5	9	2	1.1	2.3	237	0.266942
S–T4C 200L2–2	37	2970	63.3	94.8	0.89	119	9	2	1.1	2.3	261.6	0.303129
S–T4C 225M–2	45	2975	76.8	95	0.89	144.5	9	2	1	2.3	352.4	0.393325
S–T4C 250M–2	55	2980	93.6	95.3	0.89	176.3	9	2	1	2.3	427.5	1.04404
S–T4C 280S–2	75	2980	127.2	95.6	0.89	240.46	8.5	1.8	0.9	2.3	536.1	1.26700
S–T4C 280M–2	90	2980	152.4	95.8	0.89	288.55	8.5	1.8	0.9	2.3	640.5	1.49469
S–T4C 315S–2	110	2980	185.8	96	0.89	352.67	8.5	1.8	0.9	2.3	869.3	2.03578
S–T4C 315M–2	132	2980	222.5	96.2	0.89	423.2	8.5	1.8	0.9	2.3	972.2	2.35199
S–T4C 315L1–2	160	2980	269.5	96.3	0.89	513	8.5	1.8	0.9	2.2	1040.6	2.72022
S–T4C 315L2–2	200	2980	336.1	96.5	0.89	641.2	8.5	1.8	0.8	2.2	1193.3	3.27257
S–T4C 355M–2	250	2980	420.1	96.5	0.89	801.5	8.5	1.6	0.8	2.2	1630.8	4.48102
S–T4C 355L–2	315	2980	529.4	96.5	0.89	1009.9	8.5	1.6	0.8	2.2	1862.2	5.60411
4 POLE – 1500 RPM SYNCHRONOUS SPEED 50 Hz												
S–T4C 802–4	0.75	1435	1.71	85.7	0.74	4.99	8.5	2.3	1.6	2.3	17	0.003014
S–T4C 90S–4	1.1	1445	2.43	87.2	0.75	7.27	8.5	2.3	1.6	2.3	21.2	0.004870
S–T4C 90L–4	1.5	1445	3.23	88.2	0.76	9.92	9	2.3	1.6	2.3	25.6	0.006462
S–T4C 100L1–4	2.2	1450	4.49	89.5	0.79	14.5	9	2.3	1.5	2.3	35.4	0.013232
S–T4C 100L2–4	3	1450	5.99	90.4	0.8	19.77	9.5	2.3	1.5	2.3	37.9	0.018299
S–T4C 112M–4	4	1465	7.92	91.1	0.8	26.1	9.5	2.3	1.5	2.3	49.8	0.023619
S–T4C 132S–4	5.5	1470	10.80	91.9	0.8	35.75	9.5	2	1.4	2.3	70.8	0.062668
S–T4C 132M–4	7.5	1470	14.43	92.6	0.81	48.75	9.5	2	1.4	2.3	85.5	0.071550
S–T4C 160M–4	11	1475	20.50	93.3	0.83	71.25	9.5	2	1.4	2.3	127.1	0.144332
S–T4C 160L–4	15	1475	27.45	93.9	0.84	97.16	9.5	2	1.4	2.3	154.8	0.183746
S–T4C 180M–4	18.5	1475	33.35	94.2	0.85	119.83	9.5	2	1.2	2.3	177.9	0.265560
S–T4C 180L–4	22	1475	39.53	94.5	0.85	142.5	9.5	2	1.2	2.3	199.9	0.302770
S–T4C 200L–4	30	1480	53.68	94.9	0.85	193.67	9	2	1.2	2.3	259.5	0.565734
S–T4C 225S–4	37	1480	66.0	95.2	0.85	238.85	9	2	1.2	2.3	319.7	0.793793
S–T4C 225M–4	45	1480	80.1	95.4	0.85	290.5	9	2	1.1	2.3	359.9	0.869477
S–T4C 250M–4	55	1480	96.5	95.7	0.86	355	9	2	1.1	2.3	457.6	1.43506
S–T4C 280S–4	75	1485	129.6	96	0.87	482.5	8.5	2	1	2.3	561.4	2.14904
S–T4C 280M–4	90	1485	153.6	96.1	0.88	579	8.5	2	1	2.3	652.5	2.37746
S–T4C 315S–4	110	1485	185.2	96.3	0.89	707.7	8.5	1.8	1	2.2	846.3	3.94264
S–T4C 315M–4	132	1485	222.1	96.4	0.89	849.3	8.5	1.8	1	2.2	955.7	4.47125
S–T4C 315L1–4	160	1485	265.6	96.6	0.9	1029.4	8.5	1.8	1	2.2	1076.6	5.26738
S–T4C 315L2–4	200	1485	331.7	96.7	0.9	1286.8	8.5	1.8	0.9	2.2	1208.8	6.29098
S–T4C 355M–4	250	1485	414.6	96.7	0.9	1608.4	8.5	1.8	0.9	2.2	1442.2	10.21155
S–T4C 355L–4	315	1485	522.4	96.7	0.9	2026.6	8.5	1.8	0.8	2.2	1636.8	11.37405
6 POLE – 1000 RPM SYNCHRONOUS SPEED 50 Hz												
S–T4C 90S–6	0.75	940	1.87	82.7	0.7	7.62	7.5	2.1	1.5	2.1	20.7	0.006111
S–T4C 90L–6	1.1	940	2.68	84.5	0.7	11.18	7.5	2.1	1.3	2.1	25.9	0.008842
S–T4C 100L–6	1.5	950	3.55	85.9	0.71	15.1	7.5	2.1	1.3	2.1	35.6	0.017022
S–T4C 112M–6	2.2	950	5.12	87.4	0.71	22.1	7.5	2	1.3	2.1	44	0.030441
S–T4C 132S–6	3	970	6.88	88.6	0.71	29.6	7.5	2	1.3	2.1	60.2	0.049183
S–T4C 132M1–6	4	970	8.96	89.5	0.72	39.4	8	2	1.3	2.1	70.8	0.060576
S–T4C 132M2–6	5.5	970	12.18	90.5	0.72	54.2	8	2	1.3	2.1	83.8	0.085987
S–T4C 160M–6	7.5	970	15.60	91.3	0.76	73.9	8	2	1.3	2.1	115.6	0.148902
S–T4C 160L–6	11	975	22.34	92.3	0.77	107.8	8.5	2	1.2	2.1	148.7	0.220406
S–T4C 180L–6	15	975	29.1	92.9	0.8	147	8.5	2	1.2	2.1	188.6	0.363213
S–T4C 200L1–6	18.5	975	35.7	93.4	0.8	181.3	8.5	2	1.2	2.1	231.1	0.467407
S–T4C 200L2–6	22	975	41.8	93.7	0.81	215.6	8.5	2	1.2	2.1	255.6	0.568245
S–T4C 225M–6	30	980	56.1	94.2	0.82	292.5	8.3	2	1.2	2.1	337.5	0.938040
S–T4C 250M–6	37	980	68.1	94.5	0.83	360.7	8.3	2	1.2	2.1	391.6	1.63284
S–T4C 280S–6	45	985	82.5	94.8	0.83	436.5	8.5	2	1.1	2	487.8	2.33569
S–T4C 280M1–6	55	985	99.4	95.1	0.84	533.5	8.5	2	1.1	2	553.7	2.70272
S–T4C 315S–6	75	990	135.1	95.4	0.84	723.8	8	1.6	1	2	765.8	4.41427
S–T4C 315M–6	90	990	159.9	95.6	0.85	868.6	8	1.6	1	2	885.6	5.25737
S–T4C 315L1–6	110	990	195.0	95.8	0.85	1061.6	8	1.6	1	2	955.7	6.30902
S–T4C 315L2–6	132	990	230.8	96	0.86	1273.9	8	1.6	1	2	1041.4	7.51090
S–T4C 355M1–6	160	990	279.1	96.2	0.86	1544.1	8	1.6	1	2	1382.8	12.14049
S–T4C 355M2–6	200	990	348.6	96.3	0.86	1930.1	8	1.6	0.9	2	1606.9	15.03689
S–T4C 355L–6	250	990	434.8	96.5	0.86	2412.7	8	2.0	1.3	2.3	1816	16.96783

S-T3C Series TEAO IE3 Efficiency High-temperature Smoke-extraction Motors Technical Data(460V/60Hz)

Model	Power (KW)	Speed (r/min)	FL Current (A)	Eff (%)	PF (COSΦ)	Tn (N.M)	I_{st}/I_n (Times)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	Net weight (kg)	Moment of inertia ($kg*m^2$)
2 POLE – 3600 RPM SYNCHRONOUS SPEED 60 Hz												
S–T3C 801–2	0.75	3450	1.75	77	0.70	2.08	7.5	2.5	2.1	2.8	12.9	0.00093
S–T3C 802–2	1.1	3450	1.96	84	0.84	3.04	8	2.5	1.8	2.8	14.7	0.00128
S–T3C 90S–2	1.5	3450	2.65	85.5	0.83	4.15	8.5	2.5	1.8	2.8	18.9	0.00224
S–T3C 90L–2	2.2	3510	3.76	86.5	0.85	5.99	8.6	2.5	1.8	2.8	21.8	0.00279
S–T3C 100L–2	3	3510	4.95	86.5	0.88	8.16	9.5	2.5	2.0	2.8	32.5	0.00496
S–T3C 112M–2	4	3510	6.45	88.5	0.88	10.88	10.5	2.5	2.0	2.8	39.8	0.00744
S–T3C 132S1–2	5.5	3520	8.67	89.5	0.89	14.92	10	2.5	2.0	3.0	57.5	0.01468
S–T3C 132S2–2	7.5	3520	11.73	90.2	0.89	20.35	10	2.5	1.5	3.0	65.5	0.01903
S–T3C 132M1–2	9.2	3520	14.34	90.5	0.89	24.96	10	2.5	1.5	3.0	73.4	0.02048
S–T3C 160M1–2	11	3530	17.05	91	0.89	29.76	9.5	2.5	1.4	3.0	104.5	0.05178
S–T3C 160M2–2	15	3530	23.25	91	0.89	40.58	10	2.5	1.4	3.0	119.9	0.06206
S–T3C 160L–2	18.5	3540	28.45	91.7	0.89	49.91	9.5	2.5	1.4	3.0	135.8	0.07669
S–T3C 180M–2	22	3550	33.46	91.7	0.90	59.18	9	2.5	1.4	3.0	157.9	0.09665
S–T3C 200L1–2	30	3560	45.79	92.4	0.89	80.5	8.5	2.5	1.5	2.5	217.4	0.17351
S–T3C 200L2–2	37	3560	55.48	93	0.90	99.3	8.5	2.5	1.5	2.5	235.7	0.20008
S–T3C 225M–2	45	3560	67.05	93.6	0.90	120.7	8.5	2.5	1.4	2.5	301.8	0.34366
S–T3C 250M–2	55	3560	81.95	93.6	0.90	147.5	10	2.5	1.4	2.6	382.9	0.44434
S–T3C 280S–2	75	3570	111.15	94.1	0.90	200.6	10	2.5	1.8	2.6	515.7	0.82911
S–T3C 280M–2	90	3575	132.12	95	0.90	240.4	10	2.5	1.8	2.6	585.9	0.98168
S–T3C 315S–2	110	3575	161.48	95	0.90	293.8	7	2.0	1.4	2.3	798.7	1.70352
S–T3C 315M–2	132	3575	193.77	95	0.90	352.6	7	2.0	1.4	2.3	941.0	1.93860
S–T3C 315L1–2	160	3575	233.89	95.4	0.90	427.4	7	2.0	1.4	2.3	1010.2	2.19758
S–T3C 315L2–2	200	3575	291.14	95.8	0.90	534.3	7	2.0	1.4	2.3	1103.7	2.55368
S–T3C 355M1–2	220	3575	320.26	95.8	0.90	587.7	6.5	2.0	1.4	2.3	1453.5	2.95585
S–T3C 355M2–2	250	3575	363.93	95.8	0.90	667.8	6.5	2.0	1.5	2.3	1491.2	3.14272
S–T3C 355L1–2	280	3575	407.60	95.8	0.90	748.0	6.5	2.0	1.5	2.3	1631.4	3.47911
S–T3C 355L2–2	315	3575	458.55	95.8	0.90	841.5	6.5	2.0	1.5	2.3	1717.3	3.85287
4 POLE – 1800 RPM SYNCHRONOUS SPEED 60 Hz												
S–T3C 802–4	0.75	1730	1.49	85.5	0.74	4.14	6.3	2.8	2.2	2.8	15.7	0.00155
S–T3C 90S–4	1.1	1730	2.07	86.5	0.77	6.07	6.8	2.8	2.2	2.8	19.8	0.00372
S–T3C 90L–4	1.5	1730	2.76	86.5	0.79	8.28	7.3	2.8	2.2	3.0	23.7	0.00469
S–T3C 100L1–4	2.2	1750	3.86	89.5	0.80	12.01	8	2.8	2.2	3.0	32.2	0.00922
S–T3C 100L2–4	3	1750	5.26	89.5	0.80	16.37	8.2	2.5	2.2	3.0	36.1	0.01195
S–T3C 112M–4	4	1750	6.84	89.5	0.82	21.83	8.6	2.5	2.2	3.0	43.0	0.01545
S–T3C 132S–4	5.5	1750	9.07	91.7	0.83	30.01	9	2.5	1.8	3.0	61.4	0.03397
S–T3C 132M–4	7.5	1750	12.22	91.7	0.84	40.93	9	2.5	1.6	3.0	73.5	0.04412
S–T3C 132M2–4	9.2	1750	14.99	91.7	0.84	50.21	9	2.5	1.6	3.0	75.9	0.04700
S–T3C 160M–4	11	1760	17.79	92.4	0.84	59.69	10	2.5	1.3	3.0	113.0	0.10355
S–T3C 160L–4	15	1760	24.10	93	0.84	81.4	8.5	2.5	1.3	2.8	136.1	0.13750
S–T3C 180M–4	18.5	1770	29.18	93.6	0.85	99.8	9	2.5	1.8	3.0	151.1	0.15530
S–T3C 180L–4	22	1770	34.71	93.6	0.85	118.7	10	2.5	1.8	3.0	178.0	0.19433
S–T3C 200L–4	30	1770	46.53	94.1	0.86	161.9	9	2.5	1.8	2.8	230.8	0.29441
S–T3C 225S–4	37	1770	56.48	94.5	0.87	199.6	9.2	2.5	1.4	2.5	282.5	0.57838
S–T3C 225M–4	45	1775	68.34	95	0.87	242.1	9	2.5	1.5	2.5	313.3	0.65309
S–T3C 250M–4	55	1775	83.17	95.4	0.87	295.9	8.5	2.5	1.8	2.5	385.1	0.76504
S–T3C 280S–4	75	1780	113.42	95.4	0.87	402.4	10	2.5	1.8	2.8	513.2	1.99603
S–T3C 280M–4	90	1780	136.10	95.4	0.87	482.9	10	2.5	1.8	2.8	587.0	2.18345
S–T3C 315S–4	110	1780	163.77	95.8	0.88	590.2	9	2.2	1.5	2.6	798.1	3.71808
S–T3C 315M–4	132	1780	193.50	96.2	0.89	708.2	9	2.2	1.5	2.6	895.2	4.29667
S–T3C 315L1–4	160	1780	234.55	96.2	0.89	858.4	9	2.2	1.5	2.6	1023.8	5.10990
S–T3C 315L2–4	200	1780	293.19	96.2	0.89	1073.0	9	2.2	1.5	2.6	1127.7	6.17334
S–T3C 355M1–4	220	1780	322.51	96.2	0.89	1180.3	8	2.0	1.3	2.3	1346.4	7.04227
S–T3C 355M–4	250	1780	366.49	96.2	0.89	1341.3	8	2.0	1.3	2.3	1418.3	7.63820
S–T3C 355L1–4	280	1780	410.46	96.2	0.89	1502.2	8	2.0	1.3	2.3	1480.8	8.31927
S–T3C 355L–4	315	1780	461.77	96.2	0.89	1690.0	8	2.0	1.3	2.3	1556.7	9.34080
6 POLE – 1200 RPM SYNCHRONOUS SPEED 60 Hz												
S–T3C 90S–6	0.75	1150	1.78	82.5	0.64	6.23	5	2.0	1.8	2.2	19.0	0.00435
S–T3C 90L–6	1.1	1150	2.22	87.5	0.71	9.13	5.2	2.3	1.8	2.2	23.1	0.00611
S–T3C 100L–6	1.5	1150	2.91	88.5	0.73	12.46	5.2	2.0	1.7	2.2	30.2	0.00972
S–T3C 112M–6	2.2	1170	4.17	89.5	0.74	17.96	6.2	2.0	1.8	2.2	38.2	0.01637
S–T3C 132S–6	3	1170	5.54	89.5	0.76	24.49	6	2.0	1.7	2.2	52.8	0.03223
S–T3C 132M1–6	4	1170	7.38	89.5	0.76	32.65	7	2.0	1.6	2.5	63.2	0.04338
S–T3C 132M2–6	5.5	1170	10.02	89.5	0.77	44.89	7.5	2.3	1.8	2.5	71.3	0.05443
S–T3C 160M–6	7.5	1170	13.43	91	0.77	61.2	7.5	2.3	1.4	2.8	105.8	0.08726
S–T3C 160L–6	11	1175	19.55	91.7	0.77	89.4	8.5	2.5	1.4	2.8	133.6	0.13544
S–T3C 180L–6	15	1175	25.66	91.7	0.80	121.9	8	2.5	1.4	2.8	167.4	0.27973
S–T3C 200L1–6	18.5	1180	30.82	93	0.81	149.7	9.5	2.5	1.4	2.8	206.7	0.38345
S–T3C 200L2–6	22	1180	36.21	93	0.82	178.1	10	2.5	1.5	2.8	224.3	0.44941
S–T3C 225M–6	30	1180	47.64	94.1	0.84	242.8	7	1.8	1.5	2.2	301.4	0.67058
S–T3C 250M–6	37	1180	58.75	94.1	0.84	299.4	7	1.8	1.3	2.0	358.3	0.99243
S–T3C 280S–6	45	1185	70.31	94.5	0.85	362.7	10	2.5	1.8	2.8	463.2	2.20274
S–T3C 280M1–6	55	1185	84.94	94.5	0.86	443.2	10	2.5	1.8	2.8	525.0	2.57302
S–T3C 315S–6	75	1185	115.22	95	0.86	604.4	7.5	2.0	1.3	2.3	738.7	3.80317
S–T3C 315M–6	90	1185	138.26	95	0.86	725.3	7.5	2.0	1.3	2.3	836.3	4.45274
S–T3C 315L1–6	110	1185	165.65	95.8	0.87	886.5	7.5	2.0	1.3	2.3	927.6	5.53956
S–T3C 315L2–6	132	1185	198.78	95.8	0.87	1063.8	7.5	2.0	1.3	2.3	1026.2	6.62638
S–T3C 355M1–6	160	1185	240.94	95.8	0.87	1289.5	7.5	2.0	1.3	2.3	1370.0	8.97637
S–T3C 355M2–6	200	1185	301.18	95.8	0.87	1611.8	7.5	2.0	1.3	2.3	1522.2	11.00175
S–T3C 355L1–6	220	1185	331.30	95.8	0.87	1773.0	7.5	2.0	1.3	2.3	1609.9	11.64134
S–T3C 355L2–6	250	1185	376.48	95.8	0.87	2014.8	7.5	2.0	1.3	2.3	1797.4	13.56011

S-T4C Series TEAO IE4 Efficiency High-temperature Smoke-extraction Motors Technical Data(460V/60Hz)

Model	Power (KW)	Speed (r/min)	FL Current (A)	Eff (%)	PF (COSΦ)	Tn (N.M)	I_{st}/I_n (Times)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	Net weight (kg)	Moment of inertia ($kg*m^2$)
2 POLE – 3600 RPM SYNCHRONOUS SPEED 60 Hz												
S–T4C 801–2	0.75	3510	1.37	82.5	0.83	2.04	8.5	2.2	1.5	2.3	13.9	0.001378
S–T4C 802–2	1.1	3510	1.95	85.5	0.83	2.99	8.5	2.2	1.5	2.3	16.2	0.001786
S–T4C 90S–2	1.5	3530	2.56	86.5	0.85	4.06	9	2.2	1.5	2.3	19.5	0.002641
S–T4C 90L–2	2.2	3530	3.63	88.5	0.86	5.95	9	2.2	1.4	2.3	23.8	0.003579
S–T4C 100L–2	3	3535	4.86	89.1	0.87	8.10	9.5	2.2	1.4	2.3	36.5	0.005759
S–T4C 112M–2	4	3535	6.34	90	0.88	10.81	9.5	2.2	1.4	2.3	45.1	0.009727
S–T4C 132S1–2	5.5	3540	8.70	90.2	0.88	17.8	9.5	2	1.2	2.3	62.8	0.028403
S–T4C 132S2–2	7.5	3540	11.53	91.7	0.89	24.3	9.5	2	1.2	2.3	73.3	0.034884
S–T4C 160M1–2	11	3550	16.79	92.4	0.89	35.5	9.5	2	1.2	2.3	120.9	0.069511
S–T4C 160M2–2	15	3550	22.89	92.4	0.89	48.42	9.5	2	1.2	2.3	138.3	0.084762
S–T4C 160L–2	18.5	3560	28.05	93	0.89	59.6	9.5	2	1.1	2.3	160	0.102457
S–T4C 180M–2	22	3560	33.36	93	0.89	70.9	9.5	2	1.1	2.3	180.6	0.163272
S–T4C 200L1–2	30	3565	45.20	93.6	0.89	96.5	9	2	1.1	2.3	237	0.266942
S–T4C 200L2–2	37	3565	55.45	94.1	0.89	119	9	2	1.1	2.3	261.6	0.303129
S–T4C 225M–2	45	3570	67.15	94.5	0.89	144.5	9	2	1	2.3	352.4	0.393325
S–T4C 250M–2	55	3575	82.08	94.5	0.89	176.3	9	2	1	2.3	427.5	1.04404
S–T4C 280S–2	75	3575	111.33	95	0.89	240.46	8.5	1.8	0.9	2.3	536.1	1.26700
S–T4C 280M–2	90	3575	133.04	95.4	0.89	288.55	8.5	1.8	0.9	2.3	640.5	1.49469
S–T4C 315S–2	110	3575	162.61	95.4	0.89	352.67	8.5	1.8	0.9	2.3	869.3	2.03578
S–T4C 315M–2	132	3575	195.13	95.4	0.89	423.2	8.5	1.8	0.9	2.3	972.2	2.35199
S–T4C 315L1–2	160	3575	235.53	95.8	0.89	513	8.5	1.8	0.9	2.2	1040.6	2.72022
S–T4C 315L2–2	200	3575	293.19	96.2	0.89	641.2	8.5	1.8	0.8	2.2	1193.3	3.27257
S–T4C 355M–2	250	3575	366.49	96.2	0.89	801.5	8.5	1.6	0.8	2.2	1630.8	4.48102
S–T4C 355L–2	315	3575	461.77	96.2	0.89	1009.9	8.5	1.6	0.8	2.2	1862.2	5.60411
4 POLE – 1800 RPM SYNCHRONOUS SPEED 60 Hz												
S–T4C 802–4	0.75	1720	1.49	85.5	0.74	4.99	8.5	2.3	1.6	2.3	17	0.003014
S–T4C 90S–4	1.1	1730	2.10	87.5	0.75	7.27	8.5	2.3	1.6	2.3	21.2	0.004870
S–T4C 90L–4	1.5	1730	2.80	88.5	0.76	9.92	9	2.3	1.6	2.3	25.6	0.006462
S–T4C 100L1–4	2.2	1740	3.84	91	0.79	14.5	9	2.3	1.5	2.3	35.4	0.013232
S–T4C 100L2–4	3	1740	5.17	91	0.80	19.77	9.5	2.3	1.5	2.3	37.9	0.018299
S–T4C 112M–4	4	1750	6.89	91.1	0.80	26.1	9.5	2.3	1.5	2.3	49.8	0.023619
S–T4C 132S–4	5.5	1760	9.34	92.4	0.80	35.75	9.5	2	1.4	2.3	70.8	0.062668
S–T4C 132M–4	7.5	1760	12.58	92.4	0.81	48.75	9.5	2	1.4	2.3	85.5	0.071550
S–T4C 160M–4	11	1770	17.77	93.6	0.83	71.25	9.5	2	1.4	2.3	127.1	0.144332
S–T4C 160L–4	15	1770	23.82	94.1	0.84	97.16	9.5	2	1.4	2.3	154.8	0.183746
S–T4C 180M–4	18.5	1770	28.91	94.5	0.85	119.83	9.5	2	1.2	2.3	177.9	0.265560
S–T4C 180L–4	22	1770	34.38	94.5	0.85	142.5	9.5	2	1.2	2.3	199.9	0.302770
S–T4C 200L–4	30	1775	46.63	95	0.85	193.67	9	2	1.2	2.3	259.5	0.565734
S–T4C 225S–4	37	1775	57.27	95.4	0.85	238.85	9	2	1.2	2.3	319.7	0.793793
S–T4C 225M–4	45	1775	69.65	95.4	0.85	290.5	9	2	1.1	2.3	359.9	0.869477
S–T4C 250M–4	55	1775	83.79	95.8	0.86	355	9	2	1.1	2.3	457.6	1.43506
S–T4C 280S–4	75	1780	112.47	96.2	0.87	482.5	8.5	2	1	2.3	561.4	2.14904
S–T4C 280M–4	90	1780	133.43	96.2	0.88	579	8.5	2	1	2.3	652.5	2.37746
S–T4C 315S–4	110	1780	161.25	96.2	0.89	707.7	8.5	1.8	1	2.2	846.3	3.94264
S–T4C 315M–4	132	1780	193.50	96.2	0.89	849.3	8.5	1.8	1	2.2	955.7	4.47125
S–T4C 315L1–4	160	1780	231.22	96.5	0.90	1029.4	8.5	1.8	1	2.2	1076.6	5.26738
S–T4C 315L2–4	200	1780	289.03	96.5	0.90	1286.8	8.5	1.8	0.9	2.2	1208.8	6.29098
S–T4C 355M–4	250	1780	360.17	96.8	0.90	1608.4	8.5	1.8	0.9	2.2	1442.2	10.21155
S–T4C 355L–4	315	1780	453.81	96.8	0.90	2026.6	8.5	1.8	0.8	2.2	1636.8	11.37405
6 POLE – 1200 RPM SYNCHRONOUS SPEED 60 Hz												
S–T4C 90S–6	0.75	1125	1.60	84	0.70	7.62	7.5	2.1	1.5	2.1	20.7	0.006111
S–T4C 90L–6	1.1	1125	2.23	88.5	0.70	11.18	7.5	2.1	1.3	2.1	25.9	0.008842
S–T4C 100L–6	1.5	1140	2.96	89.5	0.71	15.1	7.5	2.1	1.3	2.1	35.6	0.017022
S–T4C 112M–6	2.2	1140	4.31	90.2	0.71	22.1	7.5	2	1.3	2.1	44	0.030441
S–T4C 132S–6	3	1160	5.88	90.2	0.71	29.6	7.5	2	1.3	2.1	60.2	0.049183
S–T4C 132M1–6	4	1160	7.73	90.2	0.72	39.4	8	2	1.3	2.1	70.8	0.060576
S–T4C 132M2–6	5.5	1160	10.46	91.7	0.72	54.2	8	2	1.3	2.1	83.8	0.085987
S–T4C 160M–6	7.5	1160	13.40	92.4	0.76	73.9	8	2	1.3	2.1	115.6	0.148902
S–T4C 160L–6	11	1170	19.28	93	0.77	107.8	8.5	2	1.2	2.1	148.7	0.220406
S–T4C 180L–6	15	1170	25.30	93	0.80	147	8.5	2	1.2	2.1	188.6	0.363213
S–T4C 200L1–6	18.5	1170	30.84	94.1	0.80	181.3	8.5	2	1.2	2.1	231.1	0.467407
S–T4C 200L2–6	22	1170	36.23	94.1	0.81	215.6	8.5	2	1.2	2.1	255.6	0.568245
S–T4C 225M–6	30	1175	48.34	95	0.82	292.5	8.3	2	1.2	2.1	337.5	0.938040
S–T4C 250M–6	37	1175	58.90	95	0.83	360.7	8.3	2	1.2	2.1	391.6	1.63284
S–T4C 280S–6	45	1180	71.33	95.4	0.83	436.5	8.5	2	1.1	2	487.8	2.33569
S–T4C 280M1–6	55	1180	86.14	95.4	0.84	533.5	8.5	2	1.1	2	553.7	2.70272
S–T4C 315S–6	75	1180	116.98	95.8	0.84	723.8	8	1.6	1	2	765.8	4.41427
S–T4C 315M–6	90	1180	138.72	95.8	0.85	868.6	8	1.6	1	2	885.6	5.25737
S–T4C 315L1–6	110	1180	168.84	96.2	0.85	1061.6	8	1.6	1	2	955.7	6.30902
S–T4C 315L2–6	132	1180	200.25	96.2	0.86	1273.9	8	1.6	1	2	1041.4	7.51090
S–T4C 355M1–6	160	1180	242.73	96.2	0.86	1544.1	8	1.6	1	2	1382.8	12.14049
S–T4C 355M2–6	200	1180	303.42	96.2	0.86	1930.1	8	1.6	0.9	2	1606.9	15.03689
S–T4C 355L–6	250	1180	378.09	96.5	0.86	2412.7	8	2.0	1.3	2.3	1816	16.96783



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