

S-TC Series

High-temperature Smoke-extraction Motors



The motors are suitable to be used in the area where people get-together, such as shopping mall, factory, warehouse, parking-area, railway station and the likes. They are high-temperature resistant, able to extract smoke and abstract heat quickly, delay the spread of fire, to assure free access to emergency entrance.

Specifications:

Three phase, multi-voltage, IP55, TEFC

Output: From 0.75 to 355kW

Frame size: From 80 to 355

Voltage: 220-240/380-415V (100L and below),
380-415/660V-720V (112 and up)

Insulation class: H

Working duty: S1

Squirrel-cage rotor / Aluminum casting

Cooling type: TEFC or TEAO

2 meter leading wire (Without terminal box)

Stainless steel name-plate

Working with ventilator in normal condition.

In special condition, they can run for 2 hours in Max.300°C of ambient temperature according to the standard.

Products: S-T1C、S-T2C、S-T3C、S-TCI (S for smoke)

S-T1C Series IE1 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 _g /I _n (Times)	T _g /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-T1C 801-2	0.75	2840	2.06	72.1	0.73	2.52	6	2.2	1.8	2.3	14.3	0.00093
S-T1C 802-2	1.1	2840	2.90	75	0.73	3.70	7	2.2	1.8	2.3	16.0	0.00110
S-T1C 90S-2	1.5	2840	3.79	77.2	0.74	5.04	7	2.2	1.8	2.3	18.5	0.00184
S-T1C 90L-2	2.2	2840	5.04	79.7	0.79	7.40	7.5	2.2	1.8	2.3	22.0	0.00239
S-T1C 100L-2	3	2840	6.56	81.5	0.81	10.09	7.5	2.2	1.8	2.3	32.0	0.00368
S-T1C 112M-2	4	2900	8.58	83.1	0.81	13.17	7.5	2.2	1.8	2.3	41.0	0.01613
S-T1C 132S1-2	5.5	2900	11.16	84.7	0.84	18.11	7.5	2.2	1.8	2.3	57.5	0.01106
S-T1C 132S2-2	7.5	2900	14.81	86	0.85	24.70	7.5	2.2	1.8	2.3	62.0	0.01468
S-T1C 132M1-2	9.2	2900	17.75	87	0.86	30.30	7.5	2.2	1.4	2.3	68.5	0.01767
S-T1C 160M1-2	11	2910	20.83	87.6	0.87	36.10	7.5	2.2	1.4	2.3	111.0	0.04150
S-T1C 160M2-2	15	2910	28.06	88.7	0.87	49.23	7.5	2.2	1.4	2.3	122.0	0.05384
S-T1C 160L-2	18.5	2910	33.60	89.3	0.89	60.71	7.5	2.2	1.4	2.3	140.0	0.06436
S-T1C 180M-2	22	2920	39.7	89.9	0.89	71.95	7.5	2.2	1.4	2.3	153.0	0.08110
S-T1C 200L1-2	30	2920	53.6	90.7	0.89	98.1	7.5	2.0	1.4	2.3	218.0	0.15138
S-T1C 200L2-2	37	2920	65.8	91.2	0.89	121.0	7.5	2.0	1.4	2.3	230.0	0.17351
S-T1C 225M-2	45	2930	78.7	91.7	0.90	146.7	7.5	2.0	1.4	2.3	303.0	0.24178
S-T1C 250M-2	55	2930	97.9	92.1	0.88	179.3	7.5	2.0	1.4	2.3	391.0	0.38903
S-T1C 280S-2	75	2930	131.2	92.7	0.89	244.5	7.5	2.0	1.4	2.3	530.0	0.69871
S-T1C 280M-2	90	2930	155.2	93	0.90	293.3	7.5	2.0	1.4	2.3	572.0	0.79539
S-T1C 315S-2	110	2940	189.1	93.3	0.90	357.3	7.1	1.8	1.3	2.2	900.0	1.41216
S-T1C 315M-2	132	2940	223.9	93.5	0.91	428.8	7.1	1.8	1.3	2.2	970.0	1.55013
S-T1C 315L1-2	160	2945	273.6	93.8	0.90	518.8	7.1	1.8	1.3	2.2	1010.0	1.71199
S-T1C 315L2-2	200	2945	345.1	94	0.89	648.6	7.1	1.8	1.3	2.2	1070.0	1.90623
S-T1C 355M1-2	220	2945	379.6	94	0.89	713.4	7.1	1.8	1.3	2.2	1590.0	2.95585
S-T1C 355M2-2	250	2945	426.5	94	0.90	810.7	7.1	1.6	1.3	2.2	1650.0	3.14272
S-T1C 355L1-2	280	2945	477.7	94	0.90	908.0	7.1	1.6	1.3	2.2	1715.0	3.47911
S-T1C 355L2-2	315	2945	543.5	94	0.89	1021.5	7.1	1.6	1.3	2.2	1780.0	3.85287
4 Pole 1500 rpm Synchronous Speed 50Hz												
S-T1C 801-4	0.55	1420	1.51	70	0.75	3.70	6	2.3	2.0	2.6	13.5	0.00141
S-T1C 802-4	0.75	1420	2.00	72.1	0.75	5.04	6	2.3	2.0	2.6	14.6	0.00168
S-T1C 90S-4	1.1	1430	2.82	75	0.75	7.35	6.5	2.3	2.0	2.6	18.0	0.00238
S-T1C 90L-4	1.5	1430	3.69	77.2	0.76	10.02	6.5	2.3	2.0	2.6	23.0	0.00335
S-T1C 100L1-4	2.2	1430	4.98	79.7	0.80	14.69	6.5	2.2	2.0	2.6	32.0	0.00688
S-T1C 100L2-4	3	1435	6.64	81.5	0.80	19.97	7.5	2.2	2.0	2.6	35.0	0.00883
S-T1C 112M-4	4	1435	8.47	83.1	0.82	26.62	7.5	2.2	2.0	2.6	44.0	0.01311
S-T1C 132S-4	5.5	1440	11.29	84.7	0.83	36.48	7.5	2.2	1.6	2.6	61.0	0.02679
S-T1C 132M-4	7.5	1440	14.81	86	0.85	49.74	7.5	2.2	1.6	2.6	76.0	0.03694
S-T1C 132M2-4	9.2	1440	18.17	86	0.85	61.01	7.5	2.2	1.6	2.6	79.0	0.04412
S-T1C 160M-4	11	1440	21.32	87.6	0.85	72.95	7.5	2.2	1.6	2.6	115.0	0.07659
S-T1C 160L-4	15	1450	28.06	88.7	0.87	98.79	8	2.2	1.6	2.6	137.0	0.10379
S-T1C 180M-4	18.5	1450	33.98	89.3	0.88	121.8	8	2.2	1.6	2.6	149.5	0.14084
S-T1C 180L-4	22	1460	40.6	89.9	0.87	143.9	8	2.2	1.6	2.6	165.0	0.16541
S-T1C 200L-4	30	1460	53.6	90.7	0.89	196.2	8	2.2	1.6	2.6	216.5	0.26594
S-T1C 225S-4	37	1470	65.8	91.2	0.89	240.4	8	2.2	1.3	2.6	293.0	0.50439
S-T1C 225M-4	45	1480	80.5	91.7	0.88	290.4	8	2.2	1.3	2.6	335.0	0.57909
S-T1C 250M-4	55	1480	96.8	92.1	0.89	354.9	8	2.2	1.3	2.6	397.0	0.69098
S-T1C 280S-4	75	1480	132.7	92.7	0.88	484.0	8	2.2	1.3	2.6	540.0	1.41285
S-T1C 280M-4	90	1480	155.2	93	0.90	580.7	8	2.2	1.3	2.6	620.0	1.74607
S-T1C 315S-4	110	1480	189.1	93.3	0.90	709.8	7	2.0	1.3	2.3	915.0	2.90486
S-T1C 315M-4	132	1480	226.4	93.5	0.90	851.8	7	2.0	1.3	2.3	1005.0	3.29579
S-T1C 315L1-4	160	1480	307.8	93.8	0.80	1032.4	7	2.0	1.3	2.3	1068.0	3.73367
S-T1C 315L2-4	200	1480	341.2	94	0.90	1290.5	7	2.0	1.3	2.3	1210.0	4.67201
S-T1C 355M1-4	220	1480	379.6	94	0.89	1419.6	7	2.0	1.3	2.3	1560.0	6.87200
S-T1C 355M-4	250	1480	431.3	94	0.89	1613.2	7	2.0	1.3	2.3	1600.0	7.63820
S-T1C 355L-4	315	1480	537.4	94	0.90	2032.6	7	2.0	1.3	2.3	1700.0	9.08547
S-T1C 355L2-4	355	1480	605.7	94	0.90	2290.7	7	2.0	1.3	2.3	1780.0	10.10708
6 Pole 1000 rpm Synchronous Speed 50Hz												
S-T1C 801-6	0.37	900	1.49	59.7	0.60	3.93	5.5	2.0	1.8	2.2	14.0	0.00231
S-T1C 802-6	0.55	900	1.95	65.8	0.62	5.84	5.5	2.0	1.8	2.2	15.0	0.00284
S-T1C 90S-6	0.75	935	2.34	70	0.66	7.66	5.5	2.0	1.8	2.2	19.0	0.00335
S-T1C 90L-6	1.1	935	3.20	72.9	0.68	11.24	5.5	2.0	1.8	2.2	21.6	0.00461
S-T1C 100L-6	1.5	940	3.94	75.2	0.73	15.24	5.5	2.0	1.8	2.2	29.5	0.00783
S-T1C 112M-6	2.2	940	5.68	77.7	0.72	22.35	6	2.0	1.8	2.2	38.0	0.01383
S-T1C 132S-6	3	940	7.24	79.7	0.75	30.48	6	2.0	1.8	2.2	49.6	0.02855
S-T1C 132M1-6	4	950	9.58	81.4	0.74	40.21	6	2.0	1.8	2.5	59.4	0.03601
S-T1C 132M2-6	5.5	950	12.91	83.1	0.74	55.29	7.5	2.0	1.8	2.5	65.0	0.04890
S-T1C 160M-6	7.5	960	18.0	84.7	0.71	74.6	7.5	2.3	1.8	2.5	112.0	0.08726
S-T1C 160L-6	11	960	24.5	86.4	0.75	109.4	7.5	2.3	1.5	2.5	122.4	0.10963
S-T1C 180L-6	15	960	31.7	87.7	0.78	149.2	7.5	2.3	1.5	2.5	161.5	0.24936
S-T1C 200L1-6	18.5	970	37.7	88.6	0.80	182.1	7.5	2.3	1.5	2.5	208.3	0.36147
S-T1C 200L2-6	22	970	43.4	89.2	0.82	216.6	7.5	2.3	1.5	2.5	218.2	0.39445
S-T1C 225M-6	30	975	56.5	90.2	0.85	293.8	7.5	2.3	1.5	2.5	289.0	0.55616
S-T1C 250M-6	37	975	70.0	90.8	0.84	362.4	7.5	2.3	1.5	2.5	380.0	0.96477
S-T1C 280S-6	45	980	83.6	91.4	0.85	438.5	7.5	2.3	1.5	2.5	489.5	1.68116
S-T1C 280M1-6	55	980	100.4	91.9	0.86	536.0	7.5	2.3	1.5	2.5	560.0	1.99928
S-T1C 315S-6	75	980	137.5	92.6	0.85	730.9	7	2.0	1.3	2.3	806.0	3.25976
S-T1C 315M-6	90	980	164.5	92.9	0.85	877.0	7	2.0	1.3	2.3	912.0	3.90933
S-T1C 315L1-6	110	980	200.2	93.3	0.85	1071.9	7	2.0	1.3	2.3	965.0	4.54331
S-T1C 315L2-6	132	980	239.7	93.5	0.85	1286.3	7	2.0	1.3	2.3	1070.0	5.44899
S-T1C 355M1-6	160	980	289.7	93.8	0.85	1559.2	7	2.0	1.3	2.3	1537.0	8.97637
S-T1C 355M2-6	200	980	361.3	94	0.85	1949.0	7	2.0	1.3	2.3	1720.0	11.00175
S-T1C 355L-6	250	980	451.6	94	0.85	2436.2	7	2.0	1.3	2.3	1880.0	13.56011

S-T2C Series IE2 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 _{fl} /I _n (Times)	T _{fl} /T _n (Times)	T _{max} /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-T2C 801-2	0.75	2840	1.73	77.4	0.81	2.52	6	2.5	2.1	2.6	14.5	0.00084
S-T2C 802-2	1.1	2880	2.43	79.6	0.82	3.65	7.5	2.5	1.8	2.6	16.5	0.00119
S-T2C 90S-2	1.5	2880	3.25	81.3	0.82	4.97	7	2.5	1.8	2.6	18.5	0.00184
S-T2C 90L-2	2.2	2880	4.60	83.2	0.83	7.30	7.5	2.5	1.4	2.6	22.0	0.00239
S-T2C 100L-2	3	2890	6.17	84.6	0.83	9.91	7.5	2.5	2.0	2.8	33.0	0.00410
S-T2C 112M-2	4	2910	7.65	85.8	0.88	13.13	9.5	2.5	1.8	2.8	41.0	0.00607
S-T2C 132S1-2	5.5	2910	10.37	87	0.88	18.05	8.5	2.4	1.8	2.8	59.5	0.01251
S-T2C 132S2-2	7.5	2920	13.96	88.1	0.88	24.53	10	2.5	1.8	2.8	64.0	0.01613
S-T2C 132M1-2	9.2	2920	17.13	88.1	0.88	30.09	10	2.5	1.4	3.0	71.0	0.01758
S-T2C 160M1-2	11	2930	19.73	89.4	0.90	35.85	8.5	2.5	1.4	2.8	113.0	0.04561
S-T2C 160M2-2	15	2940	26.64	90.3	0.90	48.72	9	2.5	1.3	2.8	124.0	0.06206
S-T2C 160L-2	18.5	2940	32.64	90.9	0.90	60.09	9.5	2.5	1.4	2.8	140.0	0.07528
S-T2C 180M-2	22	2945	38.6	91.3	0.90	71.34	9	2.5	1.4	2.8	168.0	0.08110
S-T2C 200L1-2	30	2945	52.3	92	0.90	97.3	7	2.0	1.3	2.5	235.0	0.14253
S-T2C 200L2-2	37	2945	64.2	92.5	0.90	120.0	7.5	2.5	1.5	2.5	246.0	0.16466
S-T2C 225M-2	45	2950	77.7	92.9	0.90	145.7	7.5	2.5	1.3	2.4	321.0	0.24906
S-T2C 250M-2	55	2960	94.6	93.2	0.90	177.4	8.5	2.3	1.4	2.6	419.0	0.43328
S-T2C 280S-2	75	2960	128.2	93.8	0.90	242.0	9	2.5	1.8	2.6	571.0	0.79186
S-T2C 280M-2	90	2960	153.4	94.1	0.90	290.4	9.5	2.5	1.8	2.6	638.0	0.90716
S-T2C 315S-2	110	2960	187.1	94.3	0.90	354.9	6	2.0	1.4	2.3	927.0	1.50928
S-T2C 315M-2	132	2960	223.8	94.6	0.90	425.9	6	2.0	1.4	2.3	1006.0	1.67962
S-T2C 315L1-2	160	2960	270.7	94.8	0.90	516.2	6	2.0	1.4	2.3	1060.0	1.87385
S-T2C 315L2-2	200	2960	337.6	95	0.90	645.3	5.5	1.8	1.3	2.3	1130.0	2.13283
S-T2C 355M1-2	220	2960	371.4	95	0.90	709.8	5.5	1.8	1.3	2.3	1590.0	2.95585
S-T2C 355M2-2	250	2960	422.0	95	0.90	806.6	5.5	1.8	1.3	2.3	1650.0	3.14272
S-T2C 355L1-2	280	2960	472.7	95	0.90	903.4	5.5	1.8	1.3	2.3	1715.0	3.47911
S-T2C 355L2-2	315	2960	531.8	95	0.90	1016.3	5.5	1.8	1.3	2.3	1780.0	3.85287
4 Pole 1500 rpm Synchronous Speed 50Hz												
S-T2C 802-4	0.75	1420	1.92	79.6	0.71	5.04	5.7	2.5	2.1	2.6	16.0	0.00128
S-T2C 90S-4	1.1	1430	2.75	81.4	0.71	7.35	6.1	2.5	2.1	2.6	20.0	0.00315
S-T2C 90L-4	1.5	1430	3.53	82.8	0.74	10.02	6.5	2.5	2.0	2.6	24.0	0.00411
S-T2C 100L1-4	2.2	1430	4.71	84.3	0.80	14.69	6.6	2.2	2.0	2.6	34.0	0.00883
S-T2C 100L2-4	3	1435	6.33	85.5	0.80	19.97	7.6	2.2	2.0	3.0	35.0	0.01039
S-T2C 112M-4	4	1435	8.23	86.6	0.81	26.62	7.9	2.2	2.0	3.0	45.0	0.01369
S-T2C 132S-4	5.5	1440	10.91	87.7	0.83	36.48	8.8	2.2	1.8	3.0	63.0	0.02966
S-T2C 132M-4	7.5	1440	14.70	88.7	0.83	49.74	9	2.2	1.6	3.0	77.5	0.03981
S-T2C 132M2-4	9.2	1440	17.82	88.7	0.84	61.01	8.8	2.2	1.6	3.0	85.0	0.04700
S-T2C 160M-4	11	1440	21.30	89.8	0.83	72.95	7.1	2.5	1.6	2.5	119.0	0.08670
S-T2C 160L-4	15	1450	27.47	90.6	0.87	98.79	8.9	2.5	1.6	2.5	146.0	0.11272
S-T2C 180M-4	18.5	1450	34.05	91.2	0.86	121.8	8.6	2.5	1.6	2.8	161.0	0.14084
S-T2C 180L-4	22	1460	39.4	91.6	0.88	143.9	8.1	2.5	1.6	2.8	176.0	0.16541
S-T2C 200L-4	30	1460	53.3	92.3	0.88	196.2	8.5	2.5	2.1	3.0	242.0	0.27306
S-T2C 225S-4	37	1470	65.5	92.7	0.88	240.4	7.6	2.2	1.3	2.3	315.0	0.50439
S-T2C 225M-4	45	1480	78.4	93.1	0.89	290.4	7.7	2.2	1.3	2.3	340.0	0.59389
S-T2C 250M-4	55	1480	98.7	93.5	0.86	354.9	8.6	2.5	1.5	2.5	420.0	0.70950
S-T2C 280S-4	75	1480	128.0	94	0.90	484.0	9	2.5	2.0	2.5	580.0	1.59510
S-T2C 280M-4	90	1480	153.2	94.2	0.90	580.7	8.7	2.5	2.0	2.5	650.0	1.89187
S-T2C 315S-4	110	1480	190.9	94.5	0.88	709.8	7.4	2.0	1.3	2.8	938.0	3.09253
S-T2C 315M-4	132	1480	226.1	94.7	0.89	851.8	7	2.0	1.3	2.6	1030.0	3.48345
S-T2C 315L1-4	160	1480	273.4	94.9	0.89	1032.4	6	2.0	1.3	2.6	1106.0	3.98390
S-T2C 315L2-4	200	1480	341.1	95.1	0.89	1290.5	6	2.0	1.3	2.3	1220.0	4.67201
S-T2C 355M1-4	220	1480	375.2	95.1	0.89	1419.6	5.5	1.8	1.3	2.3	1560.0	6.87200
S-T2C 355M-4	250	1480	426.3	95.1	0.89	1613.2	5.5	1.8	1.3	2.3	1600.0	7.63820
S-T2C 355L1-4	280	1480	477.5	95.1	0.89	1806.8	5.5	1.8	1.3	2.3	1650.0	8.31927
S-T2C 355L-4	315	1480	531.2	95.1	0.90	2032.6	5.5	1.8	1.3	2.3	1700.0	9.08547
S-T2C 355L2-4	355	1480	598.7	95.1	0.90	2290.7	5.5	1.8	1.3	2.3	1780.0	10.10708
6 Pole 1000 rpm Synchronous Speed 50Hz												
S-T2C 90S-6	0.75	935	2.23	75.9	0.64	7.66	5	2.0	1.8	2.2	19.6	0.00360
S-T2C 90L-6	1.1	935	2.99	78.1	0.68	11.24	5	2.0	1.8	2.2	23.5	0.00536
S-T2C 100L-6	1.5	940	3.72	79.8	0.73	15.24	5	1.6	1.6	2.2	32.0	0.00877
S-T2C 112M-6	2.2	940	5.39	81.8	0.72	22.35	6	2.0	1.8	2.5	39.0	0.01468
S-T2C 132S-6	3	940	6.93	83.3	0.75	30.48	6	1.6	1.5	2.2	54.0	0.03039
S-T2C 132M1-6	4	950	9.22	84.6	0.74	40.21	6	2.0	1.6	2.5	65.0	0.03785
S-T2C 132M2-6	5.5	950	12.47	86	0.74	55.29	7	2.0	1.8	2.5	66.0	0.04890
S-T2C 160M-6	7.5	960	17.5	87.2	0.71	74.6	9	2.5	1.8	2.8	112.0	0.08726
S-T2C 160L-6	11	960	23.9	88.7	0.75	109.4	9	2.5	1.4	2.8	132.6	0.12069
S-T2C 180L-6	15	960	30.9	89.7	0.78	149.2	9	2.5	1.5	2.8	179.0	0.25695
S-T2C 200L1-6	18.5	970	36.9	90.4	0.80	182.1	9	2.0	1.4	2.8	221.4	0.36147
S-T2C 200L2-6	22	970	42.6	90.9	0.82	216.6	10	2.5	1.8	2.8	240.6	0.42742
S-T2C 225M-6	30	975	55.6	91.7	0.85	293.8	9	2.5	1.5	2.2	335.0	0.67058
S-T2C 250M-6	37	975	69.0	92.2	0.84	362.4	7	1.8	1.3	2.2	391.4	0.99243
S-T2C 280S-6	45	980	82.4	92.7	0.85	438.5	8.5	2.3	1.4	2.3	514.0	1.78548
S-T2C 280M1-6	55	980	99.2	93.1	0.86	536.0	9	2.5	1.7	2.8	584.0	2.20792
S-T2C 315S-6	75	980	135.9	93.7	0.85	730.9	7	2.0	1.3	2.3	807.0	3.25976
S-T2C 315M-6	90	980	162.6	94	0.85	877.0	7	2.0	1.3	2.3	913.0	3.90933
S-T2C 315L1-6	110	980	198.1	94.3	0.85	1071.9	7	2.0	1.3	2.3	966.0	4.54331
S-T2C 315L2-6	132	980	236.9	94.6	0.85	1286.3	6.5	2.0	1.3	2.3	1080.0	5.53956
S-T2C 355M1-6	160	980	286.6	94.8	0.85	1559.2	6.5	2.0	1.3	2.3	1537.0	8.97637
S-T2C 355M2-6	200	980	357.5	95	0.85	1949.0	6.5	2.0	1.3	2.3	1720.0	11.00175
S-T2C 355L-6	250	980	446.9	95	0.85	2436.2	6.5	2.0	1.3	2.3	1880.0	13.56011

S-T3C Series 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 _s /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	15.2	0.00093
S-T3C 802-2	1.1	2880	2.40	82.7	0.80	3.65	8	2.5	1.8	2.8	17.1	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	21.5	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	24.6	0.00279
S-T3C 100L-2	3	2900	5.65	87.1	0.88	9.88	9.5	2.5	2.0	2.8	35.5	0.00496
S-T3C 112M-2	4	2910	7.28	88.1	0.90	13.13	10.5	2.5	2.0	2.8	44.5	0.00744
S-T3C 132S1-2	5.5	2910	10.11	89.2	0.88	18.05	10	2.5	2.0	3.0	63.2	0.01468
S-T3C 132S2-2	7.5	2920	13.50	90.1	0.89	24.53	10	2.5	1.5	3.0	70.2	0.01903
S-T3C 132M1-2	9.2	2920	16.47	90.6	0.89	30.09	10	2.5	1.5	3.0	76.8	0.02048
S-T3C 160M1-2	11	2930	19.34	91.2	0.90	35.85	9.5	2.5	1.4	3.0	118.0	0.05178
S-T3C 160M2-2	15	2940	26.18	91.9	0.90	48.72	10	2.5	1.4	3.0	128.0	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	144.0	0.07669
S-T3C 180M-2	22	2945	38.5	92.7	0.89	71.34	9	2.5	1.4	3.0	183.4	0.09665
S-T3C 200L1-2	30	2945	52.1	93.3	0.89	97.3	8.5	2.5	1.5	2.5	247.0	0.17351
S-T3C 200L2-2	37	2945	64.0	93.7	0.89	120.0	8.5	2.5	1.5	2.5	268.0	0.20008
S-T3C 225M-2	45	2950	75.9	94	0.91	145.7	8.5	2.5	1.4	2.5	369.0	0.34366
S-T3C 250M-2	55	2960	93.5	94.3	0.90	177.4	10	2.5	1.4	2.6	428.0	0.44434
S-T3C 280S-2	75	2960	125.6	94.7	0.91	242.0	10	2.5	1.8	2.6	587.3	0.82911
S-T3C 280M-2	90	2960	150.3	95	0.90	290.4	10	2.5	1.8	2.6	655.0	0.98168
S-T3C 315S-2	110	2960	185.3	95.2	0.90	354.9	7	2.0	1.4	2.3	980.0	1.70352
S-T3C 315M-2	132	2960	221.9	95.4	0.90	425.9	7	2.0	1.4	2.3	1100.0	1.93860
S-T3C 315L1-2	160	2960	267.8	95.8	0.90	516.2	7	2.0	1.4	2.3	1155.0	2.19758
S-T3C 315L2-2	200	2960	334.8	95.8	0.90	645.3	7	2.0	1.4	2.3	1260.0	2.55368
S-T3C 355M1-2	220	2960	394.6	95.8	0.84	709.8	6.5	2.0	1.4	2.3	1590.0	2.95585
S-T3C 355M2-2	250	2960	448.4	95.8	0.84	806.6	6.5	2.0	1.5	2.3	1650.0	3.14272
S-T3C 355L1-2	280	2960	502.2	95.8	0.84	903.4	6.5	2.0	1.5	2.3	1715.0	3.47911
S-T3C 355L2-2	315	2960	558.3	95.8	0.85	1016.3	6.5	2.0	1.5	2.3	1780.0	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	18.2	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	23.0	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	26.3	0.00469
S-T3C 100L1-4	2.2	1430	4.52	86.7	0.81	14.69	8	2.8	2.2	3.0	35.5	0.00922
S-T3C 100L2-4	3	1435	6.33	87.7	0.78	19.97	8.2	2.5	2.2	3.0	38.5	0.01195
S-T3C 112M-4	4	1440	7.95	88.6	0.82	26.53	8.6	2.5	2.2	3.0	47.0	0.01545
S-T3C 132S-4	5.5	1440	10.67	89.6	0.83	36.48	9	2.5	1.8	3.0	68.3	0.03397
S-T3C 132M-4	7.5	1440	14.09	90.4	0.85	49.74	9	2.5	1.6	3.0	79.0	0.04412
S-T3C 132M2-4	9.2	1440	17.19	90.9	0.85	61.01	9	2.5	1.6	3.0	87.5	0.04700
S-T3C 160M-4	11	1450	20.68	91.4	0.84	72.45	10	2.5	1.3	3.0	127.0	0.10355
S-T3C 160L-4	15	1450	27.33	92.1	0.86	98.8	8.5	2.5	1.3	2.8	160.0	0.13750
S-T3C 180M-4	18.5	1460	33.5	92.6	0.86	121.0	9	2.5	1.8	3.0	169.4	0.15530
S-T3C 180L-4	22	1460	39.2	93	0.87	143.9	10	2.5	1.8	3.0	196.0	0.19433
S-T3C 200L-4	30	1470	57.1	93.6	0.81	194.9	9	2.5	1.8	2.8	252.0	0.29441
S-T3C 225S-4	37	1470	65.4	93.9	0.87	240.4	9.2	2.5	1.4	2.5	324.5	0.57838
S-T3C 225M-4	45	1470	79.3	94.2	0.87	292.3	9	2.5	1.5	2.5	352.9	0.65309
S-T3C 250M-4	55	1470	95.4	94.6	0.88	357.3	8.5	2.5	1.8	2.5	427.4	0.76504
S-T3C 280S-4	75	1480	131.0	95	0.87	484.0	10	2.5	1.8	2.8	673.3	1.99603
S-T3C 280M-4	90	1480	160.5	95.2	0.85	580.7	10	2.5	1.8	2.8	692.0	2.18345
S-T3C 315S-4	110	1480	189.1	95.4	0.88	709.8	9	2.2	1.5	2.6	1027.0	3.71808
S-T3C 315M-4	132	1480	226.5	95.6	0.88	851.8	9	2.2	1.5	2.6	1155.0	4.29667
S-T3C 315L1-4	160	1480	273.9	95.8	0.88	1032.4	9	2.2	1.5	2.6	1240.0	5.10990
S-T3C 315L2-4	200	1480	337.9	96	0.89	1290.5	9	2.2	1.5	2.6	1400.0	6.17334
S-T3C 355M1-4	220	1480	371.7	96	0.89	1419.6	8	2.0	1.3	2.3	1560.0	7.04227
S-T3C 355M-4	250	1480	422.3	96	0.89	1613.2	8	2.0	1.3	2.3	1600.0	7.63820
S-T3C 355L1-4	280	1480	473.0	96	0.89	1806.8	8	2.0	1.3	2.3	1650.0	8.31927
S-T3C 355L-4	315	1480	532.1	96	0.89	2032.6	8	2.0	1.3	2.3	1700.0	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	21.5	0.00435
S-T3C 90L-6	1.1	940	2.97	81	0.66	11.18	5.2	2.3	1.8	2.2	25.5	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	33.5	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	40.0	0.01637
S-T3C 132S-6	3	940	6.84	85.6	0.74	30.48	6	2.0	1.7	2.2	59.0	0.03223
S-T3C 132M1-6	4	950	8.99	86.8	0.74	40.21	7	2.0	1.6	2.5	75.5	0.04338
S-T3C 132M2-6	5.5	950	12.71	88	0.71	55.29	7.5	2.3	1.8	2.5	76.3	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	112.0	0.08726
S-T3C 160L-6	11	960	23.1	90.3	0.76	109.4	8.5	2.5	1.4	2.8	134.0	0.13544
S-T3C 180L-6	15	960	30.1	91.2	0.79	149.2	8	2.5	1.4	2.8	184.5	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	231.0	0.38345
S-T3C 200L2-6	22	970	42.5	92.2	0.81	216.6	10	2.5	1.5	2.8	249.0	0.44941
S-T3C 225M-6	30	975	53.0	92.9	0.88	293.8	7	1.8	1.5	2.2	339.0	0.67058
S-T3C 250M-6	37	975	67.3	93.3	0.85	362.4	7	1.8	1.3	2.0	399.4	0.99243
S-T3C 280S-6	45	980	83.5	93.7	0.83	438.5	10	2.5	1.8	2.8	551.0	2.20274
S-T3C 280M1-6	55	980	99.3	94.1	0.85	536.0	10	2.5	1.8	2.8	624.3	2.57302
S-T3C 315S-6	75	980	139.6	94.6	0.82	730.9	7.5	2.0	1.3	2.3	860.0	3.80317
S-T3C 315M-6	90	980	166.9	94.9	0.82	877.0	7.5	2.0	1.3	2.3	970.0	4.45274
S-T3C 315L1-6	110	980	203.6	95.1	0.82	1071.9	7.5	2.0	1.3	2.3	1070.0	5.53956
S-T3C 315L2-6	132	980	243.6	95.4	0.82	1286.3	7.5	2.0	1.3	2.3	1196.0	6.62638
S-T3C 355M1-6	160	980	294.6	95.6	0.82	1559.2	7.5	2.0	1.3	2.3	1537.0	8.97637
S-T3C 355M2-6	200	980	367.5	95.8	0.82	1949.0	7.5	2.0	1.3	2.3	1720.0	11.00175
S-T3C 355L1-6	220	980	404.2	95.8	0.82	2143.9	7.5	2.0	1.3	2.3	1800.0	11.64134
S-T3C 355L-6	250	980	459.3	95.8	0.82	2436.2	7.5	2.0	1.3	2.3	1880.0	13.56011

S-TCI Series MEPS2(Aus) 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 _{sc} /I _n (Times)	T ₉₅ /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-TCI 801-2	0.75	2848	1.70	78.8	0.81	2.51	5	2.4	2.1	2.8	14.5	0.00084
S-TCI 802-2	1.1	2846	2.40	80.6	0.82	3.69	5	2.4	2.1	2.9	16.5	0.00119
S-TCI 90S-2	1.5	2852	3.20	82.6	0.82	5.02	5	2.4	2	2.7	18.5	0.00184
S-TCI 90L-2	2.2	2845	4.55	84	0.83	7.38	5.5	2.4	2.1	2.7	22.0	0.00239
S-TCI 100L-2	3	2851	6.12	85.3	0.83	10.05	5.5	2.3	2	2.8	33.0	0.00410
S-TCI 112M-2	4	2910	7.60	86.3	0.88	13.13	6	2.4	2	2.7	41.0	0.00607
S-TCI 132S1-2	5.5	2905	10.35	87.2	0.88	18.08	6	2.3	2	2.9	59.5	0.01251
S-TCI 132S2-2	7.5	2910	13.93	88.3	0.88	24.61	6.4	2.3	2	2.8	64.0	0.01613
S-TCI 160M1-2	11	2920	19.71	89.5	0.90	35.97	6.3	2.4	2.1	3	113.0	0.04561
S-TCI 160M2-2	15	2918	26.64	90.3	0.90	49.09	6.8	2.4	2.1	3	124.0	0.06206
S-TCI 160L-2	18.5	2922	32.68	90.8	0.90	60.46	7	2.4	2.1	2.9	140.0	0.07528
S-TCI 180M-2	22	2930	38.69	91.2	0.90	71.70	7.2	2.3	2	2.8	168.0	0.08110
S-TCI 200L1-2	30	2925	52.30	92	0.90	97.94	7	2.4	2	2.7	235.0	0.14253
S-TCI 200L2-2	37	2930	64.15	92.5	0.90	120.59	7.2	2.3	2	2.7	246.0	0.16466
S-TCI 225M-2	45	2930	77.68	92.9	0.90	146.66	7	2.3	2	2.8	321.0	0.24906
S-TCI 250M-2	55	2940	94.64	93.2	0.90	178.64	7.8	2.3	1.9	2.7	419.0	0.43328
S-TCI 280S-2	75	2940	128.10	93.9	0.90	243.60	7.8	2.2	1.9	2.7	571.0	0.79186
S-TCI 280M-2	90	2940	153.22	94.2	0.90	292.33	7.7	2.2	1.9	2.6	638.0	0.90716
S-TCI 315S-2	110	2940	186.68	94.5	0.90	357.29	7.7	2	1.8	2.3	927.0	1.50928
S-TCI 315M-2	132	2940	223.31	94.8	0.90	428.74	7.6	2	1.8	2.3	1006.0	1.67962
S-TCI 315L1-2	160	2945	270.11	95	0.90	518.81	7.8	2	1.8	2.3	1060.0	1.87385
S-TCI 315L2-2	200	2945	337.63	95	0.90	648.51	7.9	2	1.8	2.3	1130.0	2.13283
S-TCI 355M-2	250	2945	422.04	95	0.90	810.64	7.8	2	1.8	2.3	1650.0	3.14272
S-TCI 355L-2	315	2945	531.77	95	0.90	1021.40	7.8	2	1.8	2.3	1780.0	3.85287
4 POLE – 1500 RPM SYNCHRONOUS SPEED 50 Hz												
S-TCI 802-4	0.75	1420	1.89	80.5	0.71	5.04	5.4	2.3	2.1	2.9	16.0	0.00128
S-TCI 90S-4	1.1	1425	2.72	82.2	0.71	7.37	5.3	2.3	2.1	2.7	20.0	0.00315
S-TCI 90L-4	1.5	1420	3.50	83.5	0.74	10.09	5.5	2.4	2	2.7	24.0	0.00411
S-TCI 100L1-4	2.2	1430	4.68	84.9	0.80	14.69	6	2.4	2.1	2.9	34.0	0.00883
S-TCI 100L2-4	3	1430	6.29	86	0.80	20.03	6	2.4	2	2.8	35.0	0.01039
S-TCI 112M-4	4	1435	8.19	87	0.81	26.62	6.3	2.5	2	3	45.0	0.01369
S-TCI 132S-4	5.5	1430	10.88	87.9	0.83	36.73	6.5	2.3	2	2.8	63.0	0.02966
S-TCI 132M-4	7.5	1430	14.67	88.9	0.83	50.08	6.4	2.3	2	2.7	77.5	0.03981
S-TCI 160M-4	11	1440	21.28	89.9	0.83	72.95	6.8	2.5	2.1	2.8	119.0	0.08670
S-TCI 160L-4	15	1445	27.41	90.8	0.87	99.13	6.7	2.4	2.1	2.9	146.0	0.11272
S-TCI 180M-4	18.5	1445	34.05	91.2	0.86	122.26	7.2	2.4	2.1	3	161.0	0.14084
S-TCI 180L-4	22	1460	39.39	91.6	0.88	143.89	7.3	2.3	2	3	176.0	0.16541
S-TCI 200L-4	30	1460	53.31	92.3	0.88	196.22	7.6	2.4	2	2.7	242.0	0.27306
S-TCI 225S-4	37	1470	65.40	92.8	0.88	240.36	7.5	2.4	2	2.7	315.0	0.50439
S-TCI 225M-4	45	1480	78.39	93.1	0.89	290.35	7.3	2.3	2	2.8	340.0	0.59389
S-TCI 250M-4	55	1480	98.73	93.5	0.86	354.87	7.4	2.4	1.9	2.7	420.0	0.70950
S-TCI 280S-4	75	1480	127.96	94	0.90	483.92	7.5	2.2	1.9	2.6	580.0	1.59510
S-TCI 280M-4	90	1480	152.90	94.4	0.90	580.70	7.7	2.2	1.9	2.6	650.0	1.89187
S-TCI 315S-4	110	1480	190.52	94.7	0.88	709.75	7.8	2	1.8	2.3	938.0	3.09253
S-TCI 315M-4	132	1480	225.58	94.9	0.89	851.69	7.8	2	1.8	2.3	1030.0	3.48345
S-TCI 315L1-4	160	1480	272.57	95.2	0.89	1032.36	7.9	2	1.8	2.3	1106.0	3.98390
S-TCI 315L2-4	200	1480	340.71	95.2	0.89	1290.45	7.7	2	1.8	2.3	1220.0	4.67201
S-TCI 355M-4	250	1480	425.89	95.2	0.89	1613.06	7.9	2	1.8	2.3	1600.0	7.63820
S-TCI 355L-4	315	1480	530.65	95.2	0.9	2032.45	7.8	2	1.8	2.3	1700.0	9.08547
6 POLE – 1000 RPM SYNCHRONOUS SPEED 50 Hz												
S-TCI 90S-6	0.75	935	2.23	76	0.64	7.66	5.3	2.2	2	2.7	19.5	0.00360
S-TCI 90L-6	1.1	935	2.98	78.3	0.68	11.23	5	2.3	2.1	2.6	23.6	0.00536
S-TCI 100L-6	1.5	940	3.71	79.9	0.73	15.24	4.9	2.3	2.1	2.7	32.0	0.00877
S-TCI 112M-6	2.2	940	5.38	81.9	0.72	22.35	5.7	2.3	2.1	2.9	39.0	0.01468
S-TCI 132S-6	3	940	6.91	83.5	0.75	30.48	6.3	2.4	2.2	2.8	54.0	0.03039
S-TCI 132M1-6	4	945	9.21	84.7	0.74	40.42	6.2	2.5	2	2.8	65.0	0.03785
S-TCI 132M2-6	5.5	945	12.46	86.1	0.74	55.58	6.8	2.3	1.9	2.8	66.0	0.04890
S-TCI 160M-6	7.5	955	17.46	87.3	0.71	74.99	7	2.4	1.9	2.7	112.0	0.08726
S-TCI 160L-6	11	960	23.87	88.7	0.75	109.42	7.3	2.5	2	2.8	132.6	0.12069
S-TCI 180L-6	15	960	30.98	89.6	0.78	149.21	7.2	2.3	2.1	2.9	179.0	0.25695
S-TCI 200L1-6	18.5	965	36.96	90.3	0.80	183.07	6.9	2.4	2.1	3.2	221.4	0.36147
S-TCI 200L2-6	22	965	42.65	90.8	0.82	217.70	7.3	2.3	1.9	3.1	240.6	0.42742
S-TCI 225M-6	30	975	55.61	91.6	0.85	293.82	7.4	2.2	1.9	2.7	335.0	0.67058
S-TCI 250M-6	37	975	68.96	92.2	0.84	362.38	7.5	2.3	2.1	2.7	391.4	0.99243
S-TCI 280S-6	45	980	82.43	92.7	0.85	438.49	7.7	2.3	2	2.8	514.0	1.78548
S-TCI 280M-6	55	980	99.15	93.1	0.86	535.93	7.7	2.2	1.9	2.7	584.0	2.20792
S-TCI 315S-6	75	980	135.92	93.7	0.85	730.81	7.9	2.1	1.9	2.5	807.0	3.25976
S-TCI 315M-6	90	980	162.24	94.2	0.85	876.98	8	2	1.8	2.3	913.0	3.90933
S-TCI 315L1-6	110	980	197.66	94.5	0.85	1071.86	7.7	2	1.8	2.3	966.0	4.54331
S-TCI 315L2-6	132	980	236.44	94.8	0.85	1286.23	.8	2	1.8	2.3	1080.0	5.53956
S-TCI 355M1-6	160	980	285.69	95.1	0.85	1559.07	7.6	2	1.8	2.3	1537.0	8.97637
S-TCI 355M2-6	200	980	357.12	95.1	0.85	1948.84	7.8	2	1.8	2.3	1720.0	11.00175
S-TCI 355L-6	250	980	446.40	95.1	0.85	2436.05	7.8	2	1.8	2.3	1880.0	13.56011