T3C Series IE3 Efficiency Motors Technical Data (400V/50Hz)

Model	Output (kW)	Rated current (A)	Rotation speed (r/min)	Efficiency 100% load (%)	Efficiency 75% load (%)	Efficiency 50% load (%)	Power factor (Φ)	Rated torque (N.m)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	I_{st}/I_n (Times)	Nosie (dB)	Net weight (kg)	Moment of inertia ($kg*m^2$)
T3C 801–2	0.75	1.68	2880	80.7	81.0	76.2	0.80	2.49	2.5	2.1	2.8	7.5	67	15.20	0.00093
T3C 802–2	1.1	2.40	2880	82.7	83.5	81.6	0.80	3.65	2.5	1.8	2.8	8	67	17.10	0.00128
T3C 90S–2	1.5	3.06	2880	84.2	84.9	84.0	0.84	4.97	2.5	1.8	2.8	8.5	72	21.5	0.00224
T3C 90L–2	2.2	4.45	2880	85.9	86.4	84.7	0.83	7.30	2.5	1.8	2.8	8.6	72	24.6	0.00279
T3C 100L–2	3	5.65	2900	87.1	88.5	86.8	0.88	9.88	2.5	2.0	2.8	9.5	76	35.5	0.00496
T3C 112M–2	4	7.28	2910	88.1	88.5	87.1	0.90	13.13	2.5	2.0	2.8	10.5	77	44.5	0.00744
T3C 132S1–2	5.5	10.11	2910	89.2	90.2	88.6	0.88	18.05	2.5	2.0	3.0	10	80	63.2	0.01468
T3C 132S2–2	7.5	13.50	2920	90.1	90.8	89.3	0.89	24.53	2.5	1.5	3.0	10	80	70.2	0.01903
T3C 132M1–2	9.2	16.47	2920	90.6	91.2	89.5	0.89	30.09	2.5	1.5	3.0	10	80	76.8	0.02048
T3C 160M1–2	11	19.34	2930	91.2	93.8	93.0	0.90	35.85	2.5	1.4	3.0	9.5	86	118.0	0.05178
T3C 160M2–2	15	26.18	2940	91.9	93.1	92.9	0.90	48.72	2.5	1.4	3.0	10	86	128.0	0.06206
T3C 160L–2	18.5	31.76	2940	92.4	93.5	93.3	0.91	60.09	2.5	1.4	3.0	9.5	86	144.00	0.07669
T3C 180M–2	22	38.5	2945	92.7	94.1	93.6	0.89	71.34	2.5	1.4	3.0	9	89	183.40	0.09665
T3C 200L1–2	30	52.1	2945	93.3	93.8	93.2	0.89	97.3	2.5	1.5	2.5	8.5	92	247.00	0.17351
T3C 200L2–2	37	64.0	2945	93.7	94.4	94.2	0.89	120.0	2.5	1.5	2.5	8.5	92	268.00	0.20008
T3C 225M–2	45	75.9	2950	94	94.6	94.1	0.91	145.7	2.5	1.4	2.5	8.5	92	369.00	0.34366
T3C 250M–2	55	93.5	2960	94.3	94.5	93.1	0.90	177.4	2.5	1.4	2.6	10	93	428.00	0.44434
T3C 280S–2	75	125.6	2960	94.7	94.9	93.7	0.91	242.0	2.5	1.8	2.6	10	94	587.30	0.82911
T3C 280M–2	90	150.3	2960	95	95.2	94.3	0.91	290.4	2.5	1.8	2.6	10	94	655.00	0.98168
T3C 315S–2	110	185.3	2960	95.2	95.5	94.6	0.90	354.9	2.0	1.4	2.3	7	96	980.00	1.70352
T3C 315M–2	132	221.9	2960	95.4	95.5	94.7	0.90	425.9	2.0	1.4	2.3	7	96	1100.00	1.93860
T3C 315L1–2	160	267.8	2960	95.8	95.8	94.5	0.90	516.2	2.0	1.4	2.3	7	99	1155.00	2.19758
T3C 315L2–2	200	334.8	2960	95.8	96.0	94.7	0.90	645.3	2.0	1.4	2.3	7	99	1260.00	2.55368
T3C 355M1–2	220	394.6	2960	95.8	96.2	94.8	0.84	709.8	2.0	1.5	2.3	6.5	103	1590.00	2.95585
T3C 355M2–2	250	448.4	2960	95.8	96.2	94.8	0.84	806.6	2.0	1.5	2.3	6.5	103	1650.00	3.14272
T3C 355L1–2	280	502.2	2960	95.8	96.2	94.8	0.84	903.4	2.0	1.5	2.3	6.5	103	1715.00	3.47911
T3C 355L2–2	315	558.3	2960	95.8	96.2	94.8	0.85	1016.3	2.0	1.5	2.3	6.5	103	1780.00	3.85287
T3C 802–4	0.75	1.90	1420	82.5	82.8	80.6	0.69	5.04	2.8	2.2	2.8	6.3	58	18.20	0.00155
T3C 90S–4	1.1	2.62	1430	84.1	84.6	83.2	0.72	7.35	2.8	2.2	2.8	6.8	61	23.00	0.00372
T3C 90L–4	1.5	3.63	1430	85.3	86.1	85.2	0.70	10.02	2.8	2.2	3.0	7.3	61	26.30	0.00469
T3C 100L1–4	2.2	4.52	1430	86.7	87.8	85.2	0.81	14.69	2.8	2.2	3.0	8	64	35.50	0.00922
T3C 100L2–4	3	6.33	1435	87.7	88.0	85.9	0.78	19.97	2.5	2.2	3.0	8.2	64	38.50	0.01195
T3C 112M–4	4	7.95	1440	88.6	88.9	87.5	0.82	26.53	2.5	2.2	3.0	8.6	65	47.00	0.01545
T3C 132S–4	5.5	10.67	1440	89.6	90.9	88.9	0.83	36.48	2.5	1.8	3.0	9	71	68.30	0.03397
T3C 132M–4	7.5	14.09	1440	90.4	91.3	91.2	0.85	49.74	2.5	1.6	3.0	9	71	79.00	0.04412
T3C 132M2–4	9.2	17.19	1440	90.9	91.8	90.5	0.85	61.01	2.5	1.6	3.0	9	71	87.50	0.04700
T3C 160M–4	11	20.68	1450	91.4	92.2	91.7	0.84	72.45	2.5	1.3	3.0	10	75	127.00	0.10355
T3C 160L–4	15	27.33	1450	92.1	92.9	92.2	0.86	98.8	2.5	1.3	2.8	8.5	75	160.00	0.13750
T3C 180M–4	18.5	33.5	1460	92.6	93.6	93.0	0.86	121.0	2.5	1.8	3.0	9	76	169.40	0.15530
T3C 180L–4	22	39.2	1460	93	93.7	92.9	0.87	143.9	2.5	1.8	3.0	10	76	196.00	0.19433

T3C Series IE3 Efficiency Motors Technical Data (400V/50Hz)

Model	Output (kW)	Rated current (A)	Rotation speed (r/min)	Efficiency 100% load (%)	Efficiency 75% load (%)	Efficiency 50% load (%)	Power factor (Φ)	Rated torque (N.m)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	I_{st}/I_n (Times)	Nosie (dB)	Net weight (kg)	Moment of inertia ($kg*m^2$)
T3C 200L–4	30	57.1	1470	93.6	93.7	93.2	0.81	194.9	2.5	1.8	2.8	9	79	252.00	0.29441
T3C 225S–4	37	65.4	1470	93.9	95.2	94.3	0.87	240.4	2.5	1.4	2.5	9.2	81	324.50	0.57838
T3C 225M–4	45	79.3	1470	94.2	95.2	94.5	0.87	292.3	2.5	1.5	2.5	9	81	352.90	0.65309
T3C 250M–4	55	95.4	1470	94.6	95.2	94.5	0.88	357.3	2.5	1.8	2.5	8.5	83	427.40	0.76504
T3C 280S–4	75	131.0	1480	95	95.1	94.8	0.87	484.0	2.5	1.8	2.8	10	86	673.30	1.99603
T3C 280M–4	90	160.5	1480	95.2	95.1	95.0	0.85	580.7	2.5	1.8	2.8	10	86	692.00	2.18345
T3C 315S–4	110	189.1	1480	95.4	95.7	94.6	0.88	709.8	2.2	1.5	2.6	9	93	1027.00	3.71808
T3C 315M–4	132	226.5	1480	95.6	95.8	95.0	0.88	851.8	2.2	1.5	2.6	9	93	1155.00	4.29667
T3C 315L1–4	160	273.9	1480	95.8	96.0	95.1	0.88	1032.4	2.2	1.5	2.6	9	97	1240.00	5.10990
T3C 315L2–4	200	337.9	1480	96	96.2	95.3	0.89	1290.5	2.2	1.5	2.6	9	97	1400.00	6.17334
T3C 355M1–4	220	371.7	1480	96	96.2	95.3	0.89	1419.6	2.0	1.3	2.3	8	101	1560.00	7.04227
T3C 355M2–4	250	422.3	1480	96	96.3	95.4	0.89	1613.2	2.0	1.3	2.3	8	101	1600.00	7.63820
T3C 355L1–4	280	473.0	1480	96	96.4	95.4	0.89	1806.8	2.0	1.3	2.3	8	101	1650.00	8.31927
T3C 355L2–4	315	532.1	1480	96	96.3	95.5	0.89	2032.6	2.0	1.3	2.3	8	101	1700.00	9.34080
T3C 90S–6	0.75	2.05	935	78.9	79.6	77.2	0.67	7.66	2.0	1.8	2.2	5	57	21.50	0.00435
T3C 90L–6	1.1	2.97	940	81	81.5	80.2	0.66	11.18	2.3	1.8	2.2	5.2	57	25.50	0.00611
T3C 100L–6	1.5	3.55	940	82.5	83.0	81.6	0.74	15.24	2.0	1.7	2.2	5.2	61	33.50	0.00972
T3C 112M–6	2.2	5.38	940	84.3	85.0	83.2	0.70	22.35	2.0	1.8	2.2	6.2	65	40.00	0.01637
T3C 132S–6	3	6.84	940	85.6	86.1	84.5	0.74	30.48	2.0	1.7	2.2	6	69	59.00	0.03223
T3C 132M1–6	4	8.99	950	86.8	87.6	85.2	0.74	40.21	2.0	1.6	2.5	7	69	75.50	0.04338
T3C 132M2–6	5.5	12.71	950	88	88.8	86.9	0.71	55.29	2.3	1.8	2.5	7.5	69	76.30	0.05443
T3C 160M–6	7.5	16.2	960	89.1	90.3	88.0	0.75	74.6	2.3	1.4	2.8	7.5	73	112.00	0.08726
T3C 160L–6	11	23.1	960	90.3	91.2	88.5	0.76	109.4	2.5	1.4	2.8	8.5	73	134.00	0.13544
T3C 180L–6	15	30.1	960	91.2	92.0	90.3	0.79	149.2	2.5	1.4	2.8	8	73	184.50	0.27973
T3C 200L1–6	18.5	36.4	970	91.7	92.3	90.6	0.80	182.1	2.5	1.4	2.8	9.5	76	231.00	0.38345
T3C 200L2–6	22	42.5	970	92.2	93.0	91.3	0.81	216.6	2.5	1.5	2.8	10	76	249.00	0.44941
T3C 225M–6	30	53.0	975	92.9	93.8	90.9	0.88	293.8	1.8	1.5	2.2	7	76	339.00	0.67058
T3C 250M–6	37	67.3	975	93.3	94.0	91.8	0.85	362.4	1.8	1.3	2.0	7	78	399.40	0.99243
T3C 280S–6	45	83.5	980	93.7	94.6	92.7	0.83	438.5	2.5	1.8	2.8	10	80	551.00	2.20274
T3C 280M1–6	55	99.3	980	94.1	95.0	93.4	0.85	536.0	2.5	1.8	2.8	10	80	624.30	2.57302
T3C 315S–6	75	139.6	980	94.6	94.8	93.2	0.82	730.9	2.0	1.3	2.3	7.5	85	860.00	3.80317
T3C 315M–6	90	166.9	980	94.9	95	93.4	0.82	877.0	2.0	1.3	2.3	7.5	85	970.00	4.45274
T3C 315L1–6	110	203.6	980	95.1	95.4	94	0.82	1071.9	2.0	1.3	2.3	7.5	85	1070.00	5.53956
T3C 315L2–6	132	243.6	980	95.4	95.7	94.2	0.82	1286.3	2.0	1.3	2.3	7.5	85	1196.00	6.62638
T3C 355M1–6	160	294.6	980	95.6	95.8	94.3	0.82	1559.2	2.0	1.3	2.3	7.5	92	1537.00	8.97637
T3C 355M2–6	200	367.5	980	95.8	95.8	94.3	0.82	1949.0	2.0	1.3	2.3	7.5	92	1720.00	11.00175
T3C 355L1–6	220	404.2	980	95.8	96	94.2	0.82	2143.9	2.0	1.3	2.3	7.5	92	1800.00	11.64134
T3C 355L–6	250	459.3	980	95.8	96	94.3	0.82	2436.2	2.0	1.3	2.3	7.5	92	1880.00	13.56011

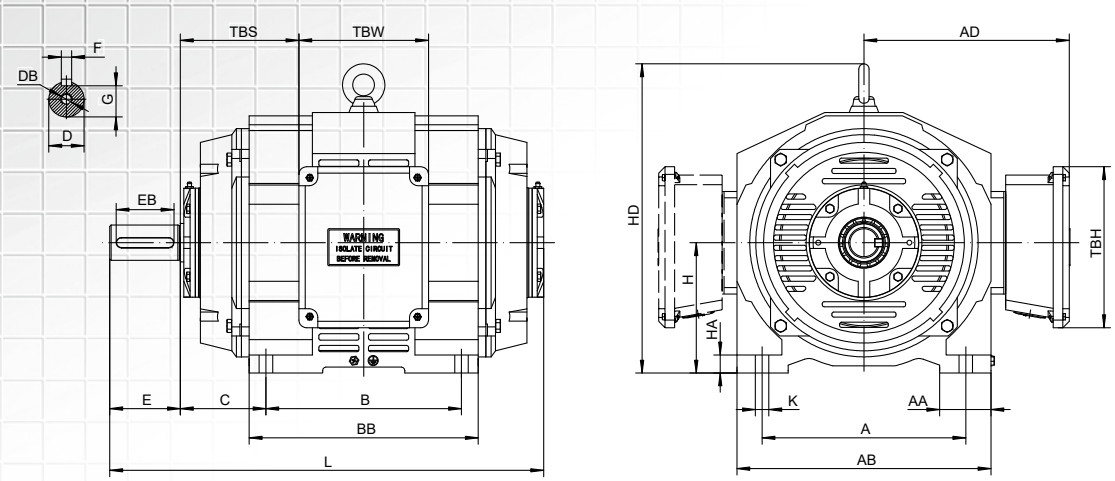
T4C Series IE4 Efficiency Motors Technical Data (400V/50Hz)

Model	Output (kW)	Rated current (A)	Rotation speed (r/min)	Efficiency 100% load (%)	Efficiency 75% load (%)	Efficiency 50% load (%)	Power factor (Φ)	Rated torque (N.m)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	I_{st}/I_n (Times)	Nosie (dB)	Net weight (kg)	Moment of inertia ($kg*m^2$)
T4C 801–2	0.75	1.56	2920	83.5	83.7	82	0.83	2.45	2.2	1.5	2.3	8.5	62	16	0.00138
T4C 802–2	1.1	2.25	2920	85.2	85.4	84.5	0.83	3.6	2.2	1.5	2.3	8.5	62	17	0.00179
T4C 90S–2	1.5	2.94	2940	86.5	86.7	86.4	0.85	4.87	2.2	1.5	2.3	9	67	23	0.00264
T4C 90L–2	2.2	4.20	2940	88	88.3	87.8	0.86	7.15	2.2	1.4	2.3	9	67	26	0.00358
T4C 100L–2	3	5.59	2945	89.1	89.3	88.9	0.87	9.73	2.2	1.4	2.3	9.5	74	36	0.00576
T4C 112M–2	4	7.29	2945	90	90.2	89.8	0.88	13	2.2	1.4	2.3	9.5	77	50	0.00973
T4C 132S1–2	5.5	9.92	2950	90.9	91.2	90.7	0.88	17.8	2	1.2	2.3	9.5	79	67	0.0284
T4C 132S2–2	7.5	13.26	2950	91.7	92	91.5	0.89	24.3	2	1.2	2.3	9.5	79	72	0.0349
T4C 160M1–2	11	19.27	2960	92.6	92.8	92.5	0.89	35.5	2	1.2	2.3	9.5	81	129	0.0695
T4C 160M2–2	15	26.07	2960	93.3	93.5	93.1	0.89	48.42	2	1.2	2.3	9.5	81	155	0.0848
T4C 160L–2	18.5	32.02	2965	93.7	93.9	93.6	0.89	59.6	2	1.1	2.3	9.5	81	176	0.102
T4C 180M–2	22	37.96	2965	94	94.2	93.8	0.89	70.9	2	1.1	2.3	9.5	83	220	0.163
T4C 200L1–2	30	51.48	2970	94.5	94.7	94.3	0.89	96.5	2	1.1	2.3	9	84	278	0.267
T4C 200L2–2	37	63.30	2970	94.8	95	94.7	0.89	119	2	1.1	2.3	9	84	292	0.303
T4C 225M–2	45	76.82	2975	95	95.2	94	0.89	144.5	2	1	2.3	9	86	387	0.393
T4C 250M–2	55	93.60	2980	95.3	95.5	94.3	0.89	176.3	2	1	2.3	9	89	531	1.044
T4C 280S–2	75	127.23	2980	95.6	95.8	95	0.89	240.46	1.8	0.9	2.3	8.5	91	625	1.267
T4C 280M–2	90	152.36	2980	95.8	95.9	95.2	0.89	288.55	1.8	0.9	2.3	8.5	91	700	1.495
T4C 315S–2	110	185.83	2980	96	96.1	95.6	0.89	352.67	1.8	0.9	2.3	8.5	92	1110	2.036
T4C 315M–2	132	222.53	2980	96.2	96.2	95.7	0.89	423.2	1.8	0.9	2.3	8.5	92	1228	2.352
T4C 315L1–2	160	269.45	2980	96.3	96.3	95.8	0.89	513	1.8	0.9	2.2	8.5	92	1321	2.720
T4C 315L2–2	200	336.12	2980	96.5	96.5	96	0.89	641.2	1.8	0.8	2.2	8.5	92	1450	3.273
T4C 355M–2	250	420.15	2980	96.5	96.5	96	0.89	801.5	1.6	0.8	2.2	8.5	97	1700	4.481
T4C 355L–2	315	529.39	2980	96.5	96.5	96	0.89	1009.9	1.6	0.8	2.2	8.5	97	2030	5.604
T4C 802–4	0.75	1.71	1435	85.7	85.9	83.9	0.74	4.99	2.3	1.6	2.3	8.5	56	19	0.00301
T4C 90S–4	1.1	2.43	1445	87.2	87.4	85.7	0.75	7.27	2.3	1.6	2.3	8.5	59	25	0.00487
T4C 90L–4	1.5	3.23	1445	88.2	88.4	87.1	0.76	9.92	2.3	1.6	2.3	9	59	31	0.00646
T4C 100L1–4	2.2	4.49	1450	89.5	89.7	88.4	0.79	14.5	2.3	1.5	2.3	9	64	39	0.0132
T4C 100L2–4	3	5.99	1450	90.4	90.6	90	0.8	19.77	2.3	1.5	2.3	9.5	64	45	0.0183
T4C 112M–4	4	7.92	1465	91.1	91.3	90.9	0.8	26.1	2.3	1.5	2.3	9.5	65	61	0.0236
T4C 132S–4	5.5	10.80	1470	91.9	92.1	91.5	0.8	35.75	2	1.4	2.3	9.5	71	75	0.0627
T4C 132M–4	7.5	14.43	1470	92.6	92.8	92	0.81	48.75	2	1.4	2.3	9.5	71	83	0.0716
T4C 160M–4	11	20.50	1475	93.3	93.5	92.8	0.83	71.25	2	1.4	2.3	9.5	73	160	0.144
T4C 160L–4	15	27.45	1475	93.9	94.1	92.8	0.84	97.16	2	1.4	2.3	9.5	73	179	0.184
T4C 180M–4	18.5	33.35	1475	94.2	94.4	93.6	0.85	119.83	2	1.2	2.3	9.5	76	218	0.266
T4C 180L–4	22	39.53	1475	94.5	94.7	93.8	0.85	142.5	2	1.2	2.3	9.5	76	249	0.303
T4C 200L–4	30	53.68	1480	94.9	95.2	94	0.85	193.67	2	1.2	2.3	9	76	295	0.566
T4C 225S–4	37	66.00	1480	95.2	95.4	94.6	0.85	238.85	2	1.2	2.3	9	78	403	0.794
T4C 225M–4	45	80.10	1480	95.4	95.6	95	0.85	290.5	2	1.1	2.3	9	78	425	0.869
T4C 250M–4	55	96.46	1480	95.7	95.9	95.3	0.86	355	2	1.1	2.3	9	79	550	1.435
T4C 280S–4	75	129.61	1485	96	96.1	95.4	0.87	482.5	2	1	2.3	8.5	80	644	2.149
T4C 280M–4	90	153.61	1485	96.1	96.1	95.8	0.88	579	2	1	2.3	8.5	80	714	2.377
T4C 315S–4	110	185.25	1485	96.3	96.3	95.9	0.89	707.7	1.8	1	2.2	8.5	88	1130	3.943
T4C 315M–4	132	222.07	1485	96.4	96.4	96.2	0.89	849.3	1.8	1	2.2	8.5	88	1260	4.471
T4C 315L1–4	160	265.63	1485	96.6	96.6	96.3	0.9	1029.4	1.8	1	2.2	8.5	88	1377	5.267
T4C 315L2–4	200	331.70	1485	96.7	96.7	96.3	0.9	1286.8	1.8	0.9	2.2	8.5	88	1558	6.291
T4C 355M–4	250	414.62	1485	96.7	96.7	96.3	0.9	1608.4	1.8	0.9	2.2	8.5	92	1740	10.212
T4C 355L–4	315	522.42	1485	96.7	96.7	96.4	0.9	2026.6	1.8	0.8	2.2	8.5	92	1933	11.374

T4C Series IE4 Efficiency Motors Technical Data (400V/50Hz)

Model	Output (kW)	Rated current (A)	Rotation speed (r/min)	Efficiency 100% load (%)	Efficiency 75% load (%)	Efficiency 50% load (%)	Power factor (Φ)	Rated torque (N.m)	T_{st}/T_n (Times)	T_{min}/T_n (Times)	T_{max}/T_n (Times)	I_{st}/I_n (Times)	Nosie (dB)	Net weight (kg)	Moment of inertia ($kg*m^2$)
T4C 90S–6	0.75	1.87	940	82.7	82.9	83	0.7	7.62	2.1	1.5	2.1	7.5	57	30	0.00611
T4C 90L–6	1.1	2.68	940	84.5	84.8	84.4	0.7	11.18	2.1	1.3	2.1	7.5	57	34	0.00884
T4C 100L–6	1.5	3.55	950	85.9	86.3	85.8	0.71	15.1	2.1	1.3	2.1	7.5	61	39	0.0170
T4C 112M–6	2.2	5.12	950	87.4	87.8	87.2	0.71	22.1	2	1.3	2.1	7.5	65	45	0.0304
T4C 132S–6	3	6.88	970	88.6	88.9	88.6	0.71	29.6	2	1.3	2.1	7.5	69	65	0.0492
T4C 132M1–6	4	8.96	970	89.5	89.8	89.4	0.72	39.4	2	1.3	2.1	8	69	67	0.0606
T4C 132M2–6	5.5	12.18	970	90.5	90.7	90.4	0.72	54.2	2	1.3	2.1	8	69	72	0.0860
T4C 160M–6	7.5	15.60	970	91.3	91.5	91.2	0.76	73.9	2	1.3	2.1	8	73	145	0.149
T4C 160L–6	11	22.34	975	92.3	92.5	92.2	0.77	107.8	2	1.2	2.1	8.5	73	185	0.220
T4C 180L–6	15	29.13	975	92.9	93.2	92.8	0.8	147	2	1.2	2.1	8.5	73	226	0.363
T4C 200L1–6	18.5	35.74	975	93.4	93.6	93.3	0.8	181.3	2	1.2	2.1	8.5	73	246	0.467
T4C 200L2–6	22	41.84	975	93.7	93.9	93.6	0.81	215.6	2	1.2	2.1	8.5	73	271	0.568
T4C 225M–6	30	56.06	980	94.2	94.4	94	0.82	292.5	2	1.2	2.1	8.3	74	351	0.938
T4C 250M–6	37	68.09	980	94.5	94.7	94.3	0.83	360.7	2	1.2	2.1	8.3	76	430	1.633
T4C 280S–6	45	82.55	985	94.8	95	94.7	0.83	436.5	2	1.1	2	8.5	78	533	2.336
T4C 280M1–6	55	99.38	985	95.1	95.3	95	0.84	533.5	2	1.1	2	8.5	78	610	2.703
T4C 315S–6	75	135.09	990	95.4	95.6	95.3	0.84	723.8	1.6	1	2	8	83	1020	4.414
T4C 315M–6	90	159.86	990	95.6	95.8	95.4	0.85	868.6	1.6	1	2	8	83	1212	5.257
T4C 315L1–6	110	194.98	990	95.8	96	95.6	0.85	1061.6	1.6	1	2	8	83	1277	6.309
T4C 315L2–6	132	230.77	990	96	96.2	95.9	0.86	1273.9	1.6	1	2	8	83	1400	7.511
T4C 355M1–6	160	279.14	990	96.2	96.3	96	0.86	1544.1	1.6	1	2	8	85	1740	12.140
T4C 355M2–6	200	348.57	990	96.3	96.3	96.1	0.86	1930.1	1.6	0.9	2	8	85	1893	15.037
T4C 355L–6	250	434.80	990	96.5	96.5	96.4	0.86	2412.7	1.6	0.9	2	8	85	2008	16.968
T4C 100L1–8	0.75	2.09	700	78.4	78.6	79	0.66	10.24	2	1.3	2	7	59	29	0.00996
T4C 100L2–8	1.1	2.93	700	80.8	81	80.6	0.67	15	2	1.2	2	7	59	34	0.0151
T4C 112M1–8	1.5	3.80	710	82.6	82.8	82.4	0.69	20.2	2	1.2	2	7	61	39	0.0223
T4C 132S–8	2.2	5.37	715	84.5	84.7	84.3	0.7	29.4	1.8	1.2	2	7.5	64	56	0.0492
T4C 132M–8	3	7.20	715	85.9	86.2	85.6	0.7	40.1	1.8	1.2	2	7.8	64	64	0.0634
T4C 160M1–8	4	9.34	725	87.1	87.3	86.9	0.71	52.7	1.8	1.2	2	7.9	68	117	0.0910
T4C 160M2–8	5.5	12.49	730	88.3	88.5	88.2	0.72	72	1.8	1.2	2	8.1	68	138	0.118
T4C 160L–8	7.5	16.38	730	89.3	89.5	89	0.74	98.2	1.8	1.2	2	7.8	68	161	0.171
T4C 180L–8	11	23.73	735	90.4	90.6	90	0.74	143	1.8	1.1	2	7.9	70	188	0.289
T4C 200L–8	15	31.65	735	91.2	91.4	91	0.75	195	1.8	1.1	2	8	73	220	0.417
T4C 225S–8	18.5	38.83	735	91.7	91.9	91.4	0.75	240.5	1.8	1.1	2	8.1	73	294	0.698
T4C 225M–8	22	45.37	740	92.1	92.3	92	0.76	284	1.8	1.1	2	8.3	73	319	0.829
T4C 250M–8	30	60.66	740	92.7	92.9	92.6	0.77	387.3	1.8	1.1	2	7.9	75	383	1.393
T4C 280S–8	37	73.54	740	93.1	93.3	93	0.78	477.7	1.8	1.1	2	7.9	76	516	2.155
T4C 280M1–8	45	89.16	740	93.4	93.6	93.3	0.78	581	1.8	1	2	7.9	76	575	2.643
T4C 315S–8	55	105.90	740	93.7	93.9	93.4	0.8	710	1.6	1	2	8.2	82	900	4.179
T4C 315M–8	75	143.65	740	94.2	94.5	94	0.8	968.3	1.6	0.9	2	7.6	82	1068	5.604
T4C 315L1–8	90	169.89	740	94.4	94.6	94.2	0.81	1162	1.6	0.9	2	7.7	82	1158	6.659
T4C 315L2–8	110	206.98	745	94.7	94.9	94.5	0.81	1410.7	1.6	0.9	2	7.7	82	1316	8.331
T4C 355M1–8	132	247.86	745	94.9	95.2	94.8	0.81	1693	1.6	0.9	2	7.7	89	1616	13.896
T4C 355M2–8	160	296.15	745	95.1	95.3	95	0.82	2052	1.6	0.9	2	7.7	89	1794	16.860
T4C 355L–8	200	369.02	745	95.4	95.5	95.2	0.82	2565	1.6	0.9	2	7.8	89	1944	19.825

TDC series IEC ODP(IP23) Three Phase Motor



Overall & Installation Dimensions

Frame		Foot Mounting				Shaft					General						
		H	A	B	C	D	E	F	G	K	AA	AB	AD	HD	BB	L	HA
160M/L		160	254	210/254	108	ϕ42	110	12	37	ϕ15	60	316	178+	381	305	579	21
180M/L		180	279	241/279	121	ϕ48	110	14	42.5	ϕ15	80	360	200+	436	331	625	25
200L		200	318	305	133	ϕ55	110	16	49	ϕ19	80	396	218+	479	357	676	28
225S/M	2	225	356	311	149	ϕ55	110	16	49	ϕ19	90	458	249+	545	379	708	28.5
	4,6,8					ϕ60	140	18	53	ϕ19						738	
250M	2	250	406	349	168	ϕ60	140	18	53	ϕ24	95	506	273+	594	431	819	30
	4,6,8					ϕ65	140	18	58	ϕ24							
280S/M	2	280	457	368/419	190	ϕ65	140	18	58	ϕ24	110	560	290+	692	510	927	37
	4,6,8					ϕ75	140	20	67.5	ϕ24							

Frame	TBS	TBW	TBH	DB	Bearings		Cable Gland
					DE	NDE	
160M/L	147	176	210	M16	6309C3		2–M32×1.5
180M/L	172	176	210	M16	6311C3		2–M32×1.5
200L	185	202	251	M20	6312C3		2–M40×1.5
225S/M	204	202	251	M20	6313C3		2–M50×1.5
250M	228	234	278	M20	6314C3		2–M50×1.5
280S/M	267	265	300	M20	6316C3		2–M50×1.5

TDC1 Series IE1 Efficiency Motors Technical Data (IP23) (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)	Moment of inertia ($kg*m^2$)
2 Pole 3000 rpm Synchronous Speed 50Hz											
TDC1 160M1–2	11	2910	20.83	87.6	0.87	36.10	8.5	2.0	1.2	2.3	0.033200
TDC1 160M2–2	15	2910	28.06	88.7	0.87	49.23	8.5	2.0	1.2	2.3	0.043072
TDC1 160L–2	18.5	2910	33.60	89.3	0.89	60.71	8.5	2.0	1.1	2.3	0.051488
TDC1 180M–2	22	2920	39.7	89.9	0.89	71.95	8.5	2.0	1.1	2.3	0.064880
TDC1 200L1–2	30	2920	53.6	90.7	0.89	98.1	8	2.0	1.1	2.3	0.121104
TDC1 200L2–2	37	2920	65.8	91.2	0.89	121.0	8	2.0	1.1	2.3	0.138808
TDC1 225M–2	45	2930	78.7	91.7	0.90	146.7	8	2.0	1.0	2.3	0.193424
TDC1 250M–2	55	2930	97.9	92.1	0.88	179.3	8	2.0	1.0	2.3	0.311224
TDC1 280S–2	75	2930	131.2	92.7	0.89	244.5	7.5	2.0	0.9	2.3	0.558968
TDC1 280M–2	90	2930	155.2	93	0.90	293.3	7.5	2.0	0.9	2.3	0.636312
4 Pole 1500 rpm Synchronous Speed 50Hz											
TDC1 160M–4	11	1440	21.32	87.6	0.85	72.95	8	2.2	1.4	2.3	0.061272
TDC1 160L–4	15	1450	28.06	88.7	0.87	98.79	8	2.2	1.4	2.3	0.083032
TDC1 180M–4	18.5	1450	33.98	89.3	0.88	121.8	8	2.2	1.2	2.3	0.112672
TDC1 180L–4	22	1460	40.6	89.9	0.87	143.9	8	2.2	1.2	2.3	0.132328
TDC1 200L–4	30	1460	53.6	90.7	0.89	196.2	8	2.2	1.2	2.3	0.212752
TDC1 225S–4	37	1470	65.8	91.2	0.89	240.4	8	2.0	1.2	2.3	0.403512
TDC1 225M–4	45	1480	80.5	91.7	0.88	290.4	8	2.0	1.1	2.3	0.463272
TDC1 250M–4	55	1480	96.8	92.1	0.89	354.9	8	2.0	1.1	2.3	0.552784
TDC1 280S–4	75	1480	132.7	92.7	0.88	484.0	7.5	2.0	1.0	2.2	1.130280
TDC1 280M–4	90	1480	155.2	93	0.90	580.7	7.5	2.0	1.0	2.2	1.396856
6 Pole 1000 rpm Synchronous Speed 50Hz											
TDC1 160M–6	7.5	960	18.0	84.7	0.71	74.6	8	2.0	1.3	2.1	0.069808
TDC1 160L–6	11	960	24.5	86.4	0.75	109.4	8	2.0	1.2	2.1	0.087704
TDC1 180L–6	15	960	31.7	87.7	0.78	149.2	8	2.0	1.2	2.1	0.199488
TDC1 200L1–6	18.5	970	37.7	88.6	0.80	182.1	8	2.0	1.2	2.1	0.289176
TDC1 200L2–6	22	970	43.4	89.2	0.82	216.6	8	2.0	12.0	2.1	0.315560
TDC1 225M–6	30	975	56.5	90.2	0.85	293.8	7.5	2.0	1.2	2.1	0.444928
TDC1 250M–6	37	975	70.0	90.8	0.84	362.4	7.5	2.0	1.2	2.1	0.771816
TDC1 280S–6	45	980	83.6	91.4	0.85	438.5	7	2.0	1.1	2.0	1.344928
TDC1 280M1–6	55	980	100.4	91.9	0.86	536.0	7	2.0	1.1	2.0	1.599424
8 Pole 750 rpm Synchronous Speed 50Hz											
TDC1 160M1–8	4	730	9.9	80	0.73	52.3	7	1.8	1.2	2.1	0.060960
TDC1 160M2–8	5.5	720	12.8	83.5	0.74	73.0	7	1.8	1.2	2.1	0.072760
TDC1 160L–8	7.5	720	17.0	85	0.75	99.5	7	1.8	1.2	2.1	0.084750
TDC1 180L–8	11	730	23.7	88	0.76	143.9	7	1.8	1.1	2.1	0.205561
TDC1 200L–8	15	730	31.6	89	0.77	196.2	7	1.8	1.1	2.1	0.289175
TDC1 225S–8	18.5	730	39.0	90	0.76	242.0	7	1.8	1.1	2.1	0.392622
TDC1 225M–8	22	740	45.0	90.5	0.78	283.9	7	1.8	1.1	2.1	0.471080
TDC1 250M–8	30	740	60.2	91	0.79	387.2	7	1.8	1.1	2.1	0.816068
TDC1 280S–8	37	740	73.9	91.5	0.79	477.5	7	1.8	1.1	2.1	1.511832
TDC1 280M–8	45	740	89.4	92	0.79	580.7	7	1.8	0.9	2.1	1.808060

TDC2 Series IE2 Efficiency Motors Technical Data (IP23) (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)	Moment of inertia ($kg*m^2$)
2 Pole 3000 rpm Synchronous Speed 50Hz											
TDC2 160M1–2	11	2930	19.73	89.4	0.90	35.85	8.5	2.0	1.2	2.3	0.036488
TDC2 160M2–2	15	2940	26.64	90.3	0.90	48.72	8.5	2.0	1.2	2.3	0.049648
TDC2 160L–2	18.5	2940	32.64	90.9	0.90	60.09	8.5	2.0	1.1	2.3	0.060224
TDC2 180M–2	22	2945	38.6	91.3	0.90	71.34	8.5	2.0	1.1	2.3	0.064880
TDC2 200L1–2	30	2945	52.3	92	0.90	97.3	8	2.0	1.1	2.3	0.114024
TDC2 200L2–2	37	2945	64.2	92.5	0.90	120.0	8	2.0	1.1	2.3	0.131728
TDC2 225M–2	45	2950	77.7	92.9	0.90	145.7	8	2.0	1.0	2.3	0.199248
TDC2 250M–2	55	2960	94.6	93.2	0.90	177.4	8	2.0	1.0	2.3	0.346624
TDC2 280S–2	75	2960	128.2	93.8	0.90	242.0	7.5	2.0	0.9	2.3	0.633488
TDC2 280M–2	90	2960	153.4	94.1	0.90	290.4	7.5	2.0	0.9	2.3	0.725728
4 Pole 1500 rpm Synchronous Speed 50Hz											
TDC2 160M–4	11	1440	21.30	89.8	0.83	72.95	8	2.2	1.4	2.3	0.069360
TDC2 160L–4	15	1450	27.47	90.6	0.87	98.79	8	2.2	1.4	2.3	0.090176
TDC2 180M–4	18.5	1450	34.05	91.2	0.86	121.8	8	2.2	1.2	2.3	0.112672
TDC2 180L–4	22	1460	39.4	91.6	0.88	143.9	8	2.2	1.2	2.3	0.132328
TDC2 200L–4	30	1460	53.3	92.3	0.88	196.2	8	2.2	1.2	2.3	0.218448
TDC2 225S–4	37	1470	65.5	92.7	0.88	240.4	8	2.0	1.2	2.3	0.403512
TDC2 225M–4	45	1480	78.4	93.1	0.89	290.4	8	2.0	1.1	2.3	0.475112
TDC2 250M–4	55	1480	98.7	93.5	0.86	354.9	8	2.0	1.1	2.3	0.567600
TDC2 280S–4	75	1480	128.0	94	0.90	484.0	7.5	2.0	1.0	2.2	1.276080
TDC2 280M–4	90	1480	153.2	94.2	0.90	580.7	7.5	2.0	1.0	2.2	1.513496
6 Pole 1000 rpm Synchronous Speed 50Hz											
TDC2 160M–6	7.5	960	17.5	87.2	0.71	74.6	8	2.0	1.3	2.1	0.069808
TDC2 160L–6	11	960	23.9	88.7	0.75	109.4	8	2.0	1.2	2.1	0.096552
TDC2 180L–6	15	960	30.9	89.7	0.78	149.2	8	2.0	1.2	2.1	0.205560
TDC2 200L1–6	18.5	970	36.9	90.4	0.80	182.1	8	2.0	1.2	2.1	0.289176
TDC2 200L2–6	22	970	42.6	90.9	0.82	216.6	8	2.0	12.0	2.1	0.341936
TDC2 225M–6	30	975	55.6	91.7	0.85	293.8	7.5	2.0	1.2	2.1	0.536464
TDC2 250M–6	37	975	69.0	92.2	0.84	362.4	7.5	2.0	1.2	2.1	0.793944
TDC2 280S–6	45	980	82.4	92.7	0.85	438.5	7	2.0	1.1	2.0	1.428384
TDC2 280M1–6	55	980	99.2	93.1	0.86	536.0	7	2.0	1.1	2.0	1.766336

TDC3 Series IE3 Efficiency Motors Technical Data (IP23) (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)	Moment of inertia ($kg*m^2$)
2 Pole 3000 rpm Synchronous Speed 50Hz											
TDC3 160M1–2	11	2930	19.34	91.2	0.90	35.85	8.5	2.0	1.2	2.3	0.041424
TDC3 160M2–2	15	2940	26.18	91.9	0.90	48.72	8.5	2.0	1.2	2.3	0.049648
TDC3 160L–2	18.5	2940	31.76	92.4	0.91	60.09	8.5	2.0	1.1	2.3	0.061352
TDC3 180M–2	22	2945	38.5	92.7	0.89	71.34	8.5	2.0	1.1	2.3	0.077320
TDC3 200L1–2	30	2945	52.1	93.3	0.89	97.3	8	2.0	1.1	2.3	0.138808
TDC3 200L2–2	37	2945	64.0	93.7	0.89	120.0	8	2.0	1.1	2.3	0.160064
TDC3 225M–2	45	2950	75.9	94	0.91	145.7	8	2.0	1.0	2.3	0.274928
TDC3 250M–2	55	2960	93.5	94.3	0.90	177.4	8	2.0	1.0	2.3	0.355472
TDC3 280S–2	75	2960	125.6	94.7	0.91	242.0	7.5	2.0	0.9	2.3	0.663288
TDC3 280M–2	90	2960	150.3	95	0.91	290.4	7.5	2.0	0.9	2.3	0.785344
4 Pole 1500 rpm Synchronous Speed 50Hz											
TDC3 160M–4	11	1450	20.68	91.4	0.84	72.45	8	2.2	1.4	2.3	0.082840
TDC3 160L–4	15	1450	27.33	92.1	0.86	98.8	8	2.2	1.4	2.3	0.110000
TDC3 180M–4	18.5	1460	33.5	92.6	0.86	121.0	8	2.2	1.2	2.3	0.124240
TDC3 180L–4	22	1460	39.2	93	0.87	143.9	8	2.2	1.2	2.3	0.155464
TDC3 200L–4	30	1470	57.1	93.6	0.81	194.9	8	2.2	1.2	2.3	0.235528
TDC3 225S–4	37	1470	65.4	93.9	0.87	240.4	8	2.0	1.2	2.3	0.462704
TDC3 225M–4	45	1470	79.3	94.2	0.87	292.3	8	2.0	1.1	2.3	0.522472
TDC3 250M–4	55	1470	95.4	94.6	0.88	357.3	8	2.0	1.1	2.3	0.612032
TDC3 280S–4	75	1480	131.0	95	0.87	484.0	7.5	2.0	1.0	2.2	1.596824
TDC3 280M–4	90	1480	160.5	95.2	0.85	580.7	7.5	2.0	1.0	2.2	1.746760
6 Pole 1000 rpm Synchronous Speed 50Hz											
TDC3 160M–6	7.5	960	16.2	89.1	0.75	74.6	8	2.0	1.3	2.1	0.069808
TDC3 160L–6	11	960	23.1	90.3	0.76	109.4	8	2.0	1.2	2.1	0.108352
TDC3 180L–6	15	960	30.1	91.2	0.79	149.2	8	2.0	1.2	2.1	0.223784
TDC3 200L1–6	18.5	970	36.4	91.7	0.80	182.1	8	2.0	1.2	2.1	0.306760
TDC3 200L2–6	22	970	42.5	92.2	0.81	216.6	8	2.0	12.0	2.1	0.359528
TDC3 225M–6	30	975	53.0	92.9	0.88	293.8	7.5	2.0	1.2	2.1	0.536464
TDC3 250M–6	37	975	67.3	93.3	0.85	362.4	7.5	2.0	1.2	2.1	0.793944
TDC3 280S–6	45	980	83.5	93.7	0.83	438.5	7	2.0	1.1	2.0	1.762192
TDC3 280M–6	55	980	99.3	94.1	0.85	536.0	7	2.0	1.1	2.0	2.058416

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