

T3A Series IE3 Efficiency Motors Technical Data (at 50Hz)

Model	Power	Current(A)			Current(A)			Current(A)			Speed (r/min)	Eff.			Power Factor	T _{start} /T _n (Times)	T _{max} /T _n (Times)	T _{min} /T _n (Times)	I _s /I _n (Times)	Noise dB(A)	W.T (kg)	Inertia (kg·m ²)
		220V	380V	660V	230V	400V	690V	240V	415V	720V		100%	75%	50%								
T3A 631-2	0.18	0.96	0.55	0.32	0.91	0.53	0.30	0.88	0.51	0.29	2850	65.9	63.5	56.2	0.75	2	2.5	1.6	4.7	61	3.6	0.00023100
T3A 632-2	0.25	1.21	0.70	0.40	1.15	0.66	0.38	1.11	0.64	0.37	2840	69.7	68.4	62.5	0.78	2.5	2.7	2	5.2	61	3.9	0.00025500
T3A 711-2	0.37	1.74	1.00	0.58	1.65	0.95	0.55	1.59	0.92	0.53	2860	73.8	72.4	66.5	0.76	2.5	2.8	1.8	5.6	64	5.2	0.00036900
T3A 712-2	0.55	2.33	1.34	0.78	2.21	1.28	0.74	2.13	1.23	0.71	2860	77.8	76.5	70.2	0.8	3.1	3.1	2	6.5	64	6.2	0.00049500
T3A 713-2	0.75	2.98	1.72	0.99	2.83	1.64	0.94	2.73	1.58	0.91	2870	80.7	80.8	78.2	0.82	3	3.2	2.2	7.1	65	7.1	0.00060600
T3A 801-2	0.75	3.02	1.74	1.01	2.87	1.66	0.96	2.76	1.60	0.92	2890	80.7	80.3	77.2	0.81	3.1	3.2	2.3	7.4	67	8.9	0.00097215
T3A 802-2	1.1	4.27	2.46	1.42	4.06	2.34	1.35	3.91	2.26	1.30	2900	82.7	82.5	79.9	0.82	3.2	3.2	2.2	7.8	67	10.6	0.00127539
T3A 803-2	1.5	5.79	3.34	1.93	5.50	3.17	1.83	5.30	3.06	1.77	2910	84.2	83.9	81.5	0.81	4	4	2.2	9.6	70	12.5	0.00165443
T3A 90S-2	1.5	5.72	3.30	1.91	5.43	3.14	1.81	5.24	3.02	1.75	2900	84.2	83.8	81.4	0.82	3.5	3.7	2.1	8.3	72	14	0.00218574
T3A 90L1-2	2.2	8.02	4.63	2.67	7.62	4.40	2.54	7.35	4.24	2.45	2910	85.9	86.1	84.7	0.84	3.3	3.7	1.5	9	72	16.3	0.00263595
T3A 90L2-2	3	11.3	6.54	3.78	10.8	6.21	3.59	10.4	5.99	3.46	2910	87.1	87.1	84.2	0.8	4	4.1	2.6	9.6	74	18.5	0.00340596
T3A 100L1-2	3	10.2	5.88	3.39	9.68	5.59	3.23	9.33	5.38	3.11	2910	87.1	87.5	86.3	0.89	3.2	3.6	2.6	9.4	76	23.7	0.00484163
T3A 100L2-2	4	13.0	7.50	4.33	12.3	7.12	4.11	11.9	6.87	3.96	2910	88.1	88.8	88.1	0.92	2.8	3.3	2.1	9.1	77	27.6	0.00590710
T3A 112M1-2	4	13.1	7.58	4.38	12.5	7.20	4.16	12.0	6.94	4.01	2920	88.1	88.2	87	0.91	3.4	3.9	2.4	10.5	77	30.1	0.00750510
T3A 112M2-2	5.5	17.8	10.3	5.94	16.9	9.78	5.65	16.3	9.43	5.44	2920	89.2	89.6	89.1	0.91	3.3	4.2	2.9	11.9	78	35.7	0.00925127
T3A 112M3-2	7.5	23.8	13.7	7.94	22.6	13.1	7.54	21.8	12.6	7.27	2920	90.1	91.0	90.0	0.92	3.5	3.8	2.1	11.4	80	40	0.01128847
T3A 132S1-2	5.5	18.2	10.5	6.08	17.3	10.0	5.77	16.7	9.64	5.56	2930	89.2	89.4	88.2	0.89	3.2	4	2.5	10	80	43.4	0.01521165
T3A 132S2-2	7.5	23.8	13.7	7.94	22.6	13.1	7.54	21.8	12.6	7.27	2930	90.1	90.9	90.7	0.92	2.6	3.6	1.9	10.1	80	51.7	0.01899607
T3A 132M1-2	9.2	29.4	17.0	9.79	27.9	16.1	9.30	26.9	15.5	8.96	2930	90.6	91.2	90.5	0.91	3.2	4.2	2.6	11.6	81	58.3	0.02161887
T3A 132M2-2	11	34.5	19.9	11.5	32.8	18.9	10.9	31.6	18.2	10.5	2930	91.2	91.5	91.2	0.92	3.6	4.1	2.4	12.2	83	63.5	0.02414181
T3A 132M3-2	15	47.7	27.6	15.9	45.3	26.2	15.1	43.7	25.2	14.6	2940	91.9	92.1	91.2	0.9	4.9	4.9	2	14.4	86	75	0.02855696
T3A 160M1-2	11	36.1	20.8	12.0	34.3	19.8	11.4	33.0	19.1	11.0	2960	91.2	91	89.6	0.88	3.2	4	1.4	10.3	86	85.5	0.05961337
T3A 160M2-2	15	48.3	27.9	16.1	45.8	26.5	15.3	44.2	25.5	14.7	2960	91.9	91.5	89.9	0.89	3.9	4.2	1.4	11.4	86	104	0.07675122
T3A 160L1-2	18.5	57.9	33.4	19.3	55.0	31.8	18.3	53.0	30.6	17.7	2950	92.4	92.8	91.8	0.91	3	3	1.5	9.1	86	121	0.09225175
T3A 160L2-2	22	68.6	39.6	22.9	65.2	37.6	21.7	62.8	36.3	20.9	2960	92.7	92.8	92.5	0.91	3.8	4	1.6	12.7	88	132	0.10748540
T3A 180M-2	22	68.6	39.6	22.9	65.2	37.6	21.7	62.8	36.3	20.9	2960	92.7	93	92.4	0.91	2.7	3.3	1.7	9	88	130.6	0.10467740
T3A 200L1-2	30	94.0	54.3	31.3	89.3	51.6	29.8	86.1	49.7	28.7	2960	93.3	93.2	92.2	0.9	3.5	3.8	1.8	10.2	90	158	0.13673820
T3A 200L2-2	37	115.5	66.7	38.5	109.7	63.3	36.6	105.7	61.0	35.2	2960	93.7	93.6	92.6	0.9	3.6	3.7	1.7	9.8	90	173.1	0.16330820
T3A 631-4	0.12	0.70	0.40	0.23	0.66	0.38	0.22	0.64	0.37	0.21	1360	64.8	63.7	57.6	0.7	2.2	2.3	2	3.5	52	3.8	0.00030500
T3A 632-4	0.18	0.97	0.56	0.32	0.92	0.53	0.31	0.89	0.51	0.30	1400	69.9	69.6	65.4	0.7	2.2	2.5	2.1	4.1	52	4.5	0.00039900
T3A 633-4	0.25	1.27	0.73	0.42	1.21	0.70	0.40	1.16	0.67	0.39	1395	75	75.1	71.5	0.69	2.9	3	2.7	4.7	55	5.3	0.00052391
T3A 711-4	0.25	1.30	0.75	0.43	1.23	0.71	0.41	1.19	0.69	0.40	1410	73.5	73.2	69	0.69	2.3	2.5	2.1	4.5	55	5.8	0.00071700
T3A 712-4	0.37	1.85	1.07	0.62	1.76	1.02	0.59	1.70	0.98	0.57	1420	77.3	77.1	73.6	0.68	2.8	3	2.5	5.2	55	7	0.00096500
T3A 801-4	0.55	2.80	1.62	0.93	2.66	1.54	0.89	2.56	1.48	0.85	1440	80.8	79.9	76	0.64	3.1	3.3	2.4	6.2	57	9.5	0.00169042
T3A 802-4	0.75	3.47	2.00	1.16	3.29	1.90	1.10	3.17	1.83	1.06	1440	82.5	82.5	80.1	0.69	3.1	3.1	2.5	6.3	58	11.7	0.00228457
T3A 803-4	1.1	4.65	2.69	1.55	4.42	2.55	1.47	4.26	2.46	1.42	1430	84.1	84.9	83.7	0.74	3	3.1	2.6	6.6	61	13.8	0.00299754
T3A 90S-4	1.1	4.65	2.69	1.55	4.42	2.55	1.47	4.26	2.46	1.42	1440	84.1	84.1	81.8	0.74	3.7	3.8	3.1	7.7	61	15.1	0.00384181

T3A Series IE3 Efficiency Motors Technical Data (at 50Hz)

Model	Power	Current(A)			Current(A)			Current(A)			Speed (r/min)	Eff.			Power Factor	T _{start} /T _n (Times)	T _{max} /T _n (Times)	T _{min} /T _n (Times)	I _g /I _n (Times)	Noise dB(A)	W.T (kg)	Inertia (kg*m ²)
		220V	380V	660V	230V	400V	690V	240V	415V	720V		100%	75%	50%								
T3A 90L1-4	1.5	6.34	3.66	2.11	6.02	3.48	2.01	5.80	3.35	1.93	1440	85.3	85.3	83.1	0.73	4.1	4.1	3.4	8.1	61	18	0.00468546
T3A 100L1-4	2.2	8.14	4.70	2.71	7.74	4.47	2.58	7.46	4.31	2.49	1450	86.7	87.2	86.2	0.82	2.9	3.5	2.4	8	64	23.9	0.00875401
T3A 100L2-4	3	11.5	6.66	3.85	11.0	6.33	3.65	10.6	6.10	3.52	1450	87.7	88	86.9	0.78	3.3	3.4	2.7	8.1	64	28.3	0.01106275
T3A 112M1-4	4	14.5	8.37	4.83	13.8	7.95	4.59	13.3	7.66	4.42	1450	88.6	88.8	88.2	0.82	3.1	3.7	2.6	8.6	65	33.9	0.01529165
T3A 112M2-4	5.5	20.2	11.7	6.73	19.2	11.1	6.39	18.5	10.7	6.16	1450	89.6	89.9	89.1	0.8	3.8	3.7	2.5	9.1	71	39.1	0.04875837
T3A 132S-4	5.5	19.2	11.1	6.41	18.3	10.5	6.09	17.6	10.2	5.87	1460	89.6	89.8	89.4	0.84	2.3	3.5	1.9	9	71	47.4	0.03446419
T3A 132M1-4	7.5	26.0	15.0	8.66	24.7	14.3	8.23	23.8	13.7	7.93	1460	90.4	90.9	90.3	0.84	2.6	3.4	2.2	8.9	71	57.4	0.04359680
T3A 132M2-4	9.2	32.5	18.8	10.8	30.9	17.8	10.3	29.8	17.2	9.93	1460	90.8	91.3	90.7	0.82	3.2	3.6	2	10	74	60	0.05133916
T3A 132M3-4	11	37.7	21.8	12.6	35.8	20.7	11.9	34.5	19.9	11.5	1460	91.4	92	91.6	0.84	3.5	3.7	2.1	10.5	75	67	0.06037189
T3A 160M-4	11	38.2	22.0	12.7	36.3	20.9	12.1	34.9	20.2	11.6	1470	91.4	91.7	89.8	0.83	2.6	2.8	1.8	7.6	75	89	0.10537280
T3A 160L1-4	15	50.4	29.1	16.8	47.9	27.7	16.0	46.2	26.7	15.4	1470	92.1	92.3	91.3	0.85	3	3	2	9.2	75	110.5	0.13703810
T3A 180M-4	18.5	61.1	35.3	20.4	58.1	33.5	19.4	56.0	32.3	18.7	1470	92.6	92.8	92.1	0.86	2.8	3.3	1.9	8.8	80	130	0.17329310
T3A 180L-4	22	72.4	41.8	24.1	68.8	39.7	22.9	66.3	38.3	22.1	1470	93	93.1	92.3	0.86	3	3.5	2.1	9.3	80	145.4	0.20063720
T3A 200L-4	30	95.8	55.3	32.0	91.1	52.6	30.4	87.8	50.7	29.3	1470	93.6	93.7	92.9	0.88	3.2	3.7	2.1	9.7	83	180	0.26510010
T3A 711-6	0.18	1.20	0.69	0.40	1.14	0.66	0.38	1.09	0.63	0.36	930	63.9	61	53.4	0.62	2.4	2.6	2.3	3.5	52	5.4	0.00079000
T3A 712-6	0.25	1.48	0.85	0.49	1.40	0.81	0.47	1.35	0.78	0.45	920	68.6	67.2	61.2	0.65	2.2	2.5	2.2	3.7	52	6.3	0.00102000
T3A 801-6	0.37	1.95	1.12	0.65	1.85	1.07	0.62	1.78	1.03	0.59	930	73.5	73.8	70.5	0.68	2.2	2.5	2.1	4.1	56	9.3	0.00218934
T3A 802-6	0.55	2.64	1.52	0.88	2.51	1.45	0.84	2.42	1.40	0.81	930	77.2	78.1	75.7	0.71	2.3	2.4	2.1	4.3	56	10.9	0.00293059
T3A 803-6	0.75	3.97	2.29	1.32	3.77	2.18	1.26	3.64	2.10	1.21	935	78.9	78.2	74.4	0.63	2.8	3.1	2.6	4.9	59	12.5	0.00322709
T3A 90S-6	0.75	3.73	2.16	1.24	3.55	2.05	1.18	3.42	1.97	1.14	950	78.9	80.1	78.1	0.67	2.3	2.6	2.1	4.7	59	13.8	0.00406984
T3A 90L-6	1.1	5.33	3.08	1.78	5.07	2.93	1.69	4.88	2.82	1.63	950	81	81.1	78.4	0.67	2.7	2.9	2.5	5.2	59	16.2	0.00548739
T3A 90L2-6	1.5	7.14	4.12	2.38	6.78	3.92	2.26	6.54	3.78	2.18	950	82.5	82.7	80.5	0.67	2.9	3	2.5	5.6	61	21.3	0.00689472
T3A 100L1-6	1.5	6.84	3.95	2.28	6.49	3.75	2.16	6.26	3.61	2.09	955	82.5	83	81.8	0.7	2.4	2.9	2.2	5.5	61	22.1	0.00913729
T3A 100L2-6	2.2	9.54	5.51	3.18	9.06	5.23	3.02	8.73	5.04	2.91	955	84.3	85.1	83.9	0.72	2.5	3	2.2	6.2	64	27.7	0.01272548
T3A 112M1-6	2.2	10.1	5.83	3.37	9.59	5.54	3.20	9.25	5.34	3.08	965	84.3	84.5	83.2	0.68	2	2.5	1.9	5.5	64	27.1	0.01767543
T3A 112M2-6	3	13.4	7.72	4.46	12.7	7.33	4.23	12.2	7.07	4.08	965	85.6	86.2	84.8	0.69	2.5	2.9	1.9	6.3	64	33.1	0.02140041
T3A 132S-6	3	12.5	7.20	4.15	11.8	6.84	3.95	11.4	6.59	3.80	965	85.6	86	85.1	0.74	2	2.7	1.7	6	64	38.6	0.03380429
T3A 132M1-6	4	16.4	9.46	5.46	15.6	8.99	5.19	15.0	8.66	5.00	970	86.8	87.1	86.2	0.74	2.3	3	1.8	6.8	68	47.6	0.04394565
T3A 132M2-6	5.5	23.2	13.4	7.72	22.0	12.7	7.34	21.2	12.2	7.07	975	88	88.3	87.1	0.71	2.9	3.5	2.2	7.4	68	55.7	0.05398713
T3A 132M3-6	7.5	30.8	17.8	10.3	29.2	16.9	9.74	28.2	16.3	9.39	970	89.1	89.6	88.6	0.72	3.3	3.2	2	8.3	68	67.6	0.07072295
T3A 160M-6	7.5	29.1	16.8	9.72	27.7	16.0	9.23	26.7	15.4	8.90	975	89.1	89.5	88.5	0.76	2.2	2.9	1.8	7.3	68	79.6	0.10901170
T3A 160L-6	11	41.1	23.7	13.7	39.0	22.5	13.0	37.6	21.7	12.5	975	90.3	90.8	89.9	0.78	2.7	2.9	1.2	8.4	73	105	0.15484950
T3A 180L-6	15	52.1	30.1	17.4	49.5	28.6	16.5	47.7	27.6	15.9	980	91.2	91	89.8	0.83	2.5	3.3	2.1	8.2	77	125.2	0.27515650
T3A 200L1-6	18.5	67.2	38.8	22.4	63.8	36.9	21.3	61.5	35.5	20.5	980	91.7	91.3	90	0.79	2.5	3.3	2	8.5	80	143	0.33206640
T3A 200L2-6	22	79.5	45.9	26.5	75.5	43.6	25.2	72.8	42.0	24.3	980	92.2	92	90.9	0.79	2.8	3.5	2.2	8.8	80	162	0.38831630