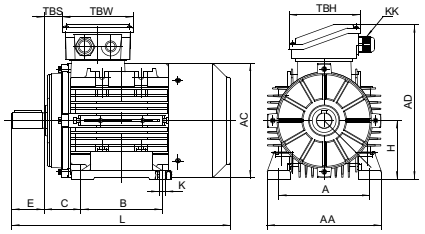
"ECOL" Motors
In Aluminum Housing

FEATURES

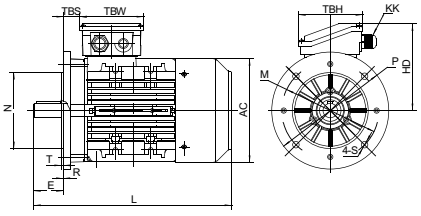
- Energy savings, high efficiency
- High starting torque, lower starting current
- Versatile and easy to modify design adapts to a variety of applications
- Removable feet
- Option of terminal box location (top, left or right)
- Option of IE2, IE3, MEPS High and Premium Efficiency for IEC standards + NEMA EPACT and Premium Efficiency
- Contained total length is the same as or shorter than the current market standard
- Full use of the magnetization properties of cold rolled silicone steel in which the stator laminations are magnetized evenly to reduce temperature rise of the winding

APPLICATIONS

- Pumps
- Waste water treatment plants
- Air compressors, fans
- Gear reducers and power transmission
- Pulp and paper mills
- Steel mill
- Conveyors, elevators
- Should be "Material handling equipment"
- Agricultural application
- Mining equipment
- Hydraulic equipment



56-160 IM B3



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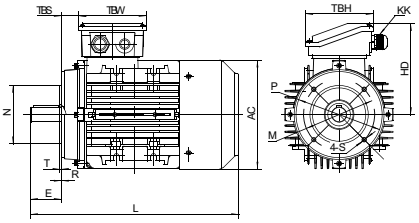

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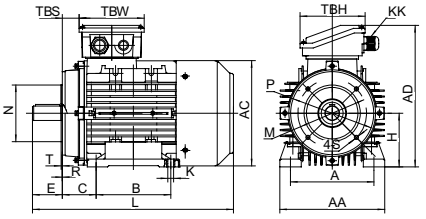

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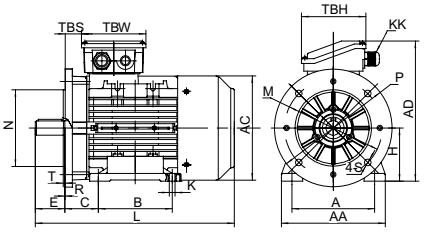

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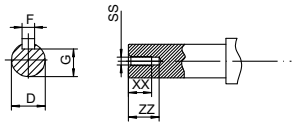
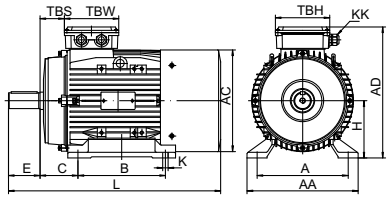
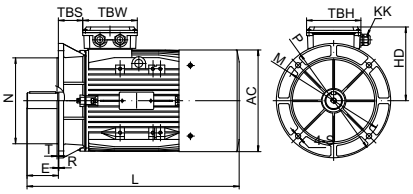




180-200 IM B3



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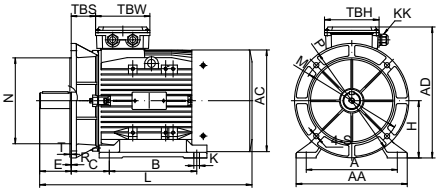

180-200 IM B35

Overall & Installation Dimensions

FRAME	Bearings		KK	Foot Mounting				Shaft								General							
	Drive End	Non-Drive End		H	A	B	C	D	E	F	G	K	SS	XX	ZZ	AA	AD	HD	AC	L	TBS	TBW	TBH
TA 56	6201		1-M16*1.5	56	90	71	36	Φ9	20	3	7.2	6×9	M4	9	12	112	151	95	Φ110	195	16.5	83	83
TA 63	6201		1-M16*1.5	63	100	80	40	Φ11	23	4	8.5	7×10	M4	10	14	124	170	107	Φ122	215	10	98	98
TA 71	6202		1-M20*1.5	71	112	90	45	Φ14	30	5	11	7×10	M5	12	17	140	186	115	Φ138	245	16	98	98
TA 80	6204		1-M20*1.5	80	125	100	50	Φ19	40	6	15.5	10×15	M6	16	21	160	214	134	Φ157	277	26.5	109	109
TA 90S/L	6205		1-M20*1.5	90	140	100/125	56	Φ24	50	8	20	10×15	M8	19	25	176	235	145	Φ177	313/338	28.5	109	109
TA 100	6206		2-M20*1.5	100	160	140	63	Φ28	60	8	24	12×16	M10	22	30	200	260	160	Φ199	376	32	118	118
TA 112	6306	6206	2-M25*1.5	112	190	140	70	Φ28	60	8	24	12×16	M10	22	30	224	283	171	Φ220	397	33	118	118
TA 132S/M	6308	6208	2-M25*1.5	132	216	140/178	89	Φ38	80	10	33	12×16	M12	28	37	260	323	191	Φ261	460/498	36.5	118	118
TA 160M/L	6309	6209	2-M32*1.5	160	254	210/254	108	Φ42	110	12	37	15×21	M16	36	45	314	391	231	Φ314	616/660	64	148	148
TA 180	6311	6211	2-M32*1.5	180	279	241/279	121	Φ48	110	14	42.5	15×25	M16	36	45	340	440	260	Φ368	730	73	190	190
TA 200	6312	6212	2-M40*1.5	200	318	305	133	Φ55	110	16	49	19×29	M20	42	53	390	460	260	Φ368	745	85	190	190

FRAME	B5						B14						B5R						B14B					
	N	M	P	S	T	R	N	M	P	S	T	R	N	M	P	T	S	R	N	M	P	T	S	R
TA 56	Φ80	Φ100	Φ120	Φ7	3	0	Φ50	Φ65	Φ80	M5	2.5	0												
TA 63	Φ95	Φ115	Φ140	Φ10	3	0	Φ60	Φ75	Φ90	M5	2.5	0												
TA 71	Φ110	Φ130	Φ160	Φ10	3.5	0	Φ70	Φ85	Φ105	M6	2.5	0	Φ95	Φ115	Φ140	3	Φ10	0	Φ95	Φ115	Φ140	3	M8	0
TA 80	Φ130	Φ165	Φ200	Φ12	3.5	0	Φ80	Φ100	Φ120	M6	3	0	Φ110	Φ130	Φ160	3.5	Φ10	0	Φ110	Φ130	Φ160	3.5	M8	0
TA 90S/L	Φ130	Φ165	Φ200	Φ12	3.5	0	Φ95	Φ115	Φ140	M8	3	0	Φ110	Φ130	Φ160	3.5	Φ10	0	Φ110	Φ130	Φ160	3.5	M8	0
TA 100	Φ180	Φ215	Φ250	Φ15	4	0	Φ110	Φ130	Φ160	M8	3.5	0	Φ130	Φ165	Φ200	3.5	Φ12	0	Φ130	Φ165	Φ200	3.5	M10	0
TA 112	Φ180	Φ215	Φ250	Φ15	4	0	Φ110	Φ130	Φ160	M8	3.5	0	Φ130	Φ165	Φ200	3.5	Φ12	0	Φ130	Φ165	Φ200	3.5	M10	0
TA 132S/M	Φ230	Φ265	Φ300	Φ15	4	0	Φ130	Φ165	Φ200	M10	3.5	0	Φ180	Φ215	Φ250	4	Φ15	0	Φ180	Φ215	Φ250	4	M12	0
TA 160M/L	Φ250	Φ300	Φ350	Φ19	5	0	Φ180	Φ215	Φ250	M12	4	0												
TA 180	Φ250	Φ300	Φ350	Φ19	5	0																		
TA 200	Φ300	Φ350	Φ400	Φ19	5	0																		

T1A Series IE1 Efficiency Motors Technical Data (at 50Hz)

Model	Power	Current(A)			Current(A)			Current(A)			Speed (r/min)	Eff. (%)	Power factor (cos ϕ)	T_{start}/T_n (Times)	T_{max}/T_n (Times)	T_{min}/T_n (Times)	I_{st}/I_n (Times)	Noise dB(A)	W.T (kg)	Inertia kg*m²
		220V	380V	660V	230V	400V	690V	240V	415V	720V										
T1A 561–2	0.09	0.62	0.36	0.21	0.59	0.34	0.20	0.57	0.33	0.19	2710	53	0.72	2.2	2.3	2	4	58	2.8	0.000102
T1A 562–2	0.12	0.72	0.42	0.24	0.68	0.39	0.23	0.66	0.38	0.22	2700	61	0.72	2.2	2.3	2	4	58	3.2	0.000128
T1A 563–2	0.18	1.00	0.58	0.33	0.95	0.55	0.32	0.92	0.53	0.31	2710	63	0.75	2.2	2.4	1.6	6	61	3.5	0.000142
T1A 631–2	0.18	1.00	0.58	0.33	0.95	0.55	0.32	0.92	0.53	0.31	2710	63	0.75	2.2	2.4	1.6	6	61	3.7	0.000150
T1A 632–2	0.25	1.30	0.75	0.43	1.23	0.71	0.41	1.19	0.69	0.40	2710	65	0.78	2.2	2.4	1.6	6	61	4.2	0.000171
T1A 633–2	0.37	1.92	1.11	0.64	1.82	1.05	0.61	1.76	1.02	0.59	2710	65	0.78	2.2	2.4	1.6	6	62	4.7	0.000203
T1A 711–2	0.37	1.76	1.02	0.59	1.67	0.97	0.56	1.61	0.93	0.54	2730	70	0.79	2.2	2.4	1.6	6	64	5.34	0.000314
T1A 712–2	0.55	2.58	1.49	0.86	2.45	1.42	0.82	2.36	1.36	0.79	2760	71	0.79	2.2	2.4	1.6	6	64	6.14	0.000384
T1A 713–2	0.75	3.34	1.93	1.11	3.18	1.83	1.06	3.06	1.77	1.02	2730	72	0.82	2.2	2.4	1.5	6	65	7.1	0.000475
T1A 801–2	0.75	3.44	1.98	1.15	3.26	1.88	1.09	3.15	1.82	1.05	2860	69.2	0.83	2.1	2.5	1.5	5.7	67	8.15	0.000896
T1A 802–2	1.1	4.41	2.55	1.47	4.19	2.42	1.40	4.04	2.33	1.35	2870	79	0.83	2.6	2.8	1.8	6.5	67	9.7	0.001124
T1A 803–2	1.5	5.87	3.39	1.96	5.58	3.22	1.86	5.38	3.10	1.79	2870	81	0.83	2.7	2.8	1.8	6.8	70	11.2	0.001351
T1A 90S–2	1.5	5.94	3.43	1.98	5.65	3.26	1.88	5.44	3.14	1.81	2880	80	0.83	2.3	2.8	1.4	6.6	72	12.3	0.001856
T1A 90L1–2	2.2	8.25	4.77	2.75	7.84	4.53	2.61	7.56	4.36	2.52	2880	83.5	0.84	2.6	2.7	1.8	7.1	72	14.9	0.002306
T1A 90L2–2	3	10.8	6.24	3.60	10.3	5.92	3.42	9.89	5.71	3.30	2900	86	0.85	2.9	3	1.9	8.1	74	17.4	0.002966
T1A 100L1–2	3	11.3	6.54	3.77	10.8	6.21	3.59	10.4	5.99	3.46	2900	83	0.84	2.7	3.2	2.1	7.7	76	20.1	0.003776
T1A 100L2–2	4	15.0	8.67	5.00	14.3	8.23	4.75	13.7	7.93	4.58	2890	84.5	0.83	3.1	3.6	2.8	8.1	77	23	0.004664
T1A 100L3–2	5.5	18.7	10.8	6.23	17.8	10.25	5.92	17.1	9.88	5.70	2900	88	0.88	3.3	3.6	2.5	10.1	78	26	0.005907
T1A 112M1–2	4	14.2	8.2	4.75	13.5	7.81	4.51	13.0	7.53	4.34	2910	85	0.87	2.8	3.6	1.7	9.2	77	26.3	0.006311
T1A 112M2–2	5.5	19.0	11.0	6.34	18.1	10.4	6.02	17.4	10.1	5.80	2900	86.5	0.88	3	3.8	2.2	9.8	78	31.2	0.007796
T1A 112M3–2	7.5	25.8	14.9	8.59	24.5	14.1	8.16	23.6	13.6	7.87	2910	88	0.87	3.8	4.2	2.7	10.3	80	37	0.009833
T1A 132S1–2	5.5	19.7	11.4	6.57	18.7	10.8	6.24	18.0	10.4	6.02	2890	84.4	0.87	2.2	2.8	2.2	6.8	80	37.6	0.012058
T1A 132S2–2	7.5	25.8	14.9	8.59	24.5	14.1	8.16	23.6	13.6	7.87	2890	88	0.87	2.7	3.2	2.5	8.2	80	43	0.015212
T1A 132M1–2	9.2	30.6	17.6	10.2	29.0	16.8	9.68	28.0	16.2	9.33	2910	88	0.9	3.1	3.8	1.7	9.7	81	48.4	0.017834
T1A 132M2–2	11	36.5	21.1	12.2	34.7	20.0	11.6	33.5	19.3	11.2	2920	89	0.89	3.3	4	1.8	10.7	83	54.2	0.020357
T1A 132M3–2	15	50.4	29.1	16.8	47.9	27.7	16.0	46.2	26.7	15.4	2940	91	0.86	4	4.5	2.5	14	86	72	0.028557
T1A 160M1–2	11	38.3	22.1	12.8	36.4	21.0	12.1	35.1	20.2	11.7	2940	90	0.84	2.6	3.1	1.5	7.9	86	72	0.044380
T1A 160M2–2	15	51.4	29.7	17.1	48.9	28.2	16.3	47.1	27.2	15.7	2950	90.3	0.85	2.8	3.3	1.4	8.6	86	82	0.055805
T1A 160L1–2	18.5	62.9	36.3	21.0	59.8	34.5	19.9	57.6	33.3	19.2	2950	91	0.85	3	3.4	1.6	9.3	86	94.1	0.065593
T1A 160L2–2	22	73.7	42.6	24.6	70.0	40.4	23.4	67.5	39.0	22.5	2950	91.3	0.86	3.2	3.5	1.7	9.9	91	104.5	0.077018
T1A 561–4	0.06	0.56	0.33	0.19	0.54	0.31	0.18	0.52	0.30	0.17	1360	50	0.56	2.3	2.4	2	4	50	2.9	0.000190
T1A 562–4	0.09	0.77	0.45	0.26	0.73	0.42	0.24	0.71	0.41	0.24	1360	52	0.59	2.3	2.4	2	4	50	3.3	0.000240
T1A 563–4	0.12	0.95	0.55	0.32	0.90	0.52	0.30	0.87	0.50	0.29	1360	52	0.64	2.2	2.4	2	4	52	3.7	0.000265
T1A 631–4	0.12	0.95	0.55	0.32	0.90	0.52	0.30	0.87	0.50	0.29	1360	52	0.64	2.2	2.4	2	4	52	3.7	0.000273
T1A 632–4	0.18	1.28	0.74	0.43	1.21	0.70	0.40	1.17	0.68	0.39	1310	57	0.65	2.2	2.4	2	4	52	4.4	0.000338
T1A 633–4	0.25	1.66	0.96	0.55	1.58	0.91	0.53	1.52	0.88	0.51	1340	60	0.66	2.2	2.2	2	4	54	5	0.000408
T1A 711–4	0.25	1.52	0.88	0.51	1.45	0.84	0.48	1.39	0.81	0.46	1350	60	0.72	2.2	2.4	1.7	6	55	5.06	0.000561
T1A 712–4	0.37	2.02	1.17	0.67	1.92	1.11	0.64	1.85	1.07	0.62	1370	65	0.74	2.2	2.4	1.7	6	55	5.96	0.000714
T1A 713–4	0.55	2.92	1.69	0.97	2.78	1.60	0.93	2.68	1.55	0.89	1380	66	0.75	2.2	2.4	1.7	6	57	7.06	0.000919
T1A 801–4	0.55	2.64	1.53	0.88	2.51	1.45	0.84	2.42	1.40	0.81	1420	73	0.75	2	2.3	1.6	4.8	57	8.3	0.001453
T1A 802–4	0.75	3.39	1.96	1.13	3.22	1.86	1.08	3.11	1.79	1.04	1410	76.5	0.76	2	2.4	1.7	5	58	9.8	0.001690
T1A 803–4	1.1	4.91	2.84	1.64	4.67	2.70	1.56	4.50	2.60	1.50	1390	77.5	0.76	2.3	2.4	2	5	61	11.2	0.002166
T1A 90S–4	1.1	4.88	2.82	1.63	4.64	2.68	1.55	4.47	2.58	1.49	1400	78	0.76	2.1	2.3	1.9	5	61	12.3	0.002675
T1A 90L1–4	1.5	6.25	3.61	2.08	5.94	3.43	1.98	5.72	3.30	1.91	1410	81	0.78	2.6	2.4	2.1	5.7	61	15.1	0.003519
T1A 90L2–4	2.2	8.72	5.03	2.91	8.28	4.78	2.76	7.98	4.61	2.66	1420	83	0.8	2.7	2.3	2.1	6.2	64	17.78	0.004685
T1A 100L1–4	2.2	9.42	5.44	3.14	8.95	5.16	2.98	8.62	4.98	2.87	1430	80.9	0.76	2.2	2.8	1.9	6	64	20	0.006775
T1A 100L2–4	3	11.4	6.58	3.80	10.8	6.25	3.61	10.4	6.02	3.48	1430	84.5	0.82	2.5	2.8	2.1	6.7	64	24	0.008424
T1A 100L3–4	4	16.1	9.28	5.36	15.3	8.81	5.09	14.7	8.49	4.90	1430	84	0.78	2.7	3	2.3	6.9	65	28.2	0.010733
T1A 112M1–4	4	15.8	9.11	5.26	15.0	8.66	5.00	14.5	8.34	4.82	1440	85.5	0.78	2.3	3.3	2.1	7.8	65	29.8	0.013228
T1A 112M2–4	5.5	21.7	12.5	7.24	20.6	11.9	6.88	19.9	11.5	6.63	1450	86.5	0.77	3.4	3.5	2.6	8.6	71	36	0.016839
T1A 132S–4	5.5	20.5	11.9	6.84	19.5	11.3	6.50	18.8	10.9	6.26	1450	86	0.82	1.8	2.9	1.7	7.1	71	42	0.028012
T1A 132M1–4	7.5	28.2	16.3	9.40	26.8	15.5	8.93	25.8	14.9	8.61	1450	87.5	0.8	2.9	3.3	1.9	8.4	71	52.6	0.037145
T1A 132M2–4	9.2	33.8	19.5	11.3	32.1	18.5	10.7	30.9	17.9	10.3	1450	88.5	0.81	3.1	3.4	1.7	8.9	74	55	0.043597
T1A 132M3–4	11	40.0	23.1	13.3	38.0	21.9	12.7	36.6	21.1	12.2	1450	89.4	0.81	3.5	3.5	1.7	9.4	75	64	0.051339
T1A 160M–4	11	40.7	23.5	13.6	38.6	22.3	12.9	37.2	21.5	12.4	1460	89	0.8	2.3	2.8	1.3	6.8	75	74	0.080254
T1A 160L1–4	15	53.2	30.7	17.7	50.5	29.2	16.8	48.7	28.1	16.2	1460	90.5	0.82	2.4	2.6	1.4	7.5	75	90.3	0.105640
T1A 160L2–4	18.5	64.5	37.3	21.5	61.3	35.4	20.4	59.1	34.1	19.7	1460	90.9	0.83	2.4	2.5	1.4	7.6	78	104	0.127619
T1A 160L3–4	22	77.2	44.6	25.8	73.4	42.4	24.5	70.7	40.8	23.6	1460	91.4	0.82	2.8	2.7	1.5	8.8	80	118.5	0.149598

T1A Series IE1 Efficiency Motors Technical Data (at 50Hz)

Model	Power	Current(A)			Current(A)			Current(A)			Speed (r/min)	Eff. (%)	Power factor (cos ϕ)	T_{start}/T_n (Times)	T_{max}/T_n (Times)	T_{min}/T_n (Times)	I_{st}/I_n (Times)	Noise dB(A)	W.T (kg)	Inertia kg*m²
		220V	380V	660V	230V	400V	690V	240V	415V	720V										
T1A 631–6	0.09	0.92	0.53	0.31	0.88	0.51	0.29	0.85	0.49	0.28	840	42	0.61	2	2	1.5	3.5	50	4.2	0.000418
T1A 632–6	0.12	1.13	0.65	0.38	1.08	0.62	0.36	1.04	0.60	0.35	850	45	0.62	2	2	1.5	3.5	50	4.5	0.000517
T1A 711–6	0.18	1.28	0.74	0.43	1.22	0.70	0.41	1.17	0.68	0.39	880	56	0.66	1.6	1.7	1.5	4	52	5.6	0.000841
T1A 712–6	0.25	1.59	0.92	0.53	1.51	0.87	0.50	1.46	0.84	0.49	900	59	0.7	2.1	2.2	1.5	4	52	6	0.000965
T1A 713–6	0.37	2.31	1.34	0.77	2.20	1.27	0.73	2.12	1.22	0.71	890	61	0.69	2	2.1	1.5	4	54	6.8	0.001150
T1A 801–6	0.37	2.42	1.40	0.81	2.30	1.33	0.77	2.21	1.28	0.74	910	61	0.66	1.9	2.2	1.8	3.2	56	8	0.001596
T1A 802–6	0.55	3.40	1.96	1.13	3.23	1.86	1.08	3.11	1.80	1.04	910	65.5	0.65	2.1	2.3	1.9	3.5	56	9.1	0.002041
T1A 803–6	0.75	4.06	2.34	1.35	3.85	2.23	1.28	3.72	2.14	1.24	910	70.5	0.69	2.1	2.2	1.9	3.8	58	10.6	0.002634
T1A 90S–6	0.75	4.06	2.34	1.35	3.86	2.23	1.29	3.72	2.15	1.24	940	71.5	0.68	1.8	2.2	1.5	4.1	59	11.5	0.003266
T1A 90L–6	1.1	5.97	3.45	1.99	5.67	3.27	1.89	5.46	3.15	1.82	930	73.5	0.66	1.9	2.3	1.8	4.1	59	14.5	0.004281
T1A 90L2–6	1.5	7.63	4.40	2.54	7.25	4.18	2.42	6.98	4.03	2.33	930	75	0.69	2	2.2	1.9	4.3	61	15.5	0.005487
T1A 100L–6	1.5	7.43	4.29	2.48	7.06	4.08	2.35	6.80	3.93	2.27	940	77	0.69	1.9	2.6	1.8	4.6	61	18.7	0.007543
T1A 100L2–6	2.2	9.71	5.61	3.24	9.22	5.33	3.07	8.89	5.13	2.96	940	79.5	0.75	2	2.3	1.8	5.1	64	22.8	0.009935
T1A 112M1–6	2.2	10.6	6.11	3.53	10.1	5.80	3.35	9.69	5.59	3.23	945	79.3	0.69	1.9	2.3	1.8	4.8	64	24.5	0.013950
T1A 112M2–6	3	14.1	8.16	4.71	13.4	7.75	4.47	12.9	7.47	4.31	950	81	0.69	1.9	2.8	1.8	5	64	28.5	0.017675
T1A 132S–6	3	13.3	7.67	4.43	12.6	7.29	4.21	12.2	7.03	4.06	960	82.5	0.72	1.9	2.5	1.4	5.7	64	36.4	0.030457
T1A 132M1–6	4	17.1	9.85	5.69	16.2	9.36	5.40	15.6	9.02	5.21	965	84.5	0.73	2	2.6	1.5	5.9	68	42.2	0.037251
T1A 132M2–6	5.5	23.5	13.6	7.84	22.3	12.9	7.45	21.5	12.4	7.18	950	85.5	0.72	2.1	2.7	1.6	6.2	68	51.4	0.048966
T1A 132M3–6	7.5	30.2	17.5	10.1	28.7	16.6	9.58	27.7	16.0	9.23	965	87	0.75	2.7	2.9	2	7.3	68	62.6	0.062355
T1A 160M–6	7.5	30.2	17.5	10.1	28.7	16.6	9.58	27.7	16.0	9.23	965	87	0.75	2.4	2.9	1.7	6.7	68	68.3	0.086226
T1A 160L–6	11	43.2	24.9	14.4	41.1	23.7	13.7	39.6	22.8	13.2	965	87	0.77	2.5	2.7	1.5	6.9	73	86	0.116874
T1A 711–8	0.09	0.97	0.56	0.32	0.92	0.53	0.31	0.88	0.51	0.29	680	43	0.57	2.4	2.5	2.3	2.5	50	5.6	0.000717
T1A 712–8	0.12	1.14	0.66	0.38	1.08	0.62	0.36	1.04	0.60	0.35	690	49.5	0.56	2.7	2.8	2.6	3	50	6	0.000841
T1A 801–8	0.18	1.48	0.86	0.49	1.41	0.81	0.47	1.36	0.79	0.45	690	55	0.58	2.2	2.4	2	3	52	8.3	0.002021
T1A 802–8	0.25	1.94	1.12	0.65	1.84	1.06	0.61	1.78	1.03	0.59	690	58.5	0.58	2.3	2.4	2	3.1	52	9.3	0.002323
T1A 90S–8	0.37	2.58	1.49	0.86	2.45	1.41	0.82	2.36	1.36	0.79	710	64	0.59	1.9	2.3	1.7	3.3	56	11.38	0.003266
T1A 90L–8	0.55	3.84	2.22	1.28	3.65	2.11	1.22	3.52	2.03	1.17	705	65	0.58	1.9	2.3	1.7	3.4	56	14	0.004281
T1A 90L2–8	0.75	4.69	2.71	1.56	4.45	2.57	1.49	4.29	2.48	1.43	700	69	0.61	1.8	2.1	1.8	3.5	59	15.5	0.004884
T1A 100L1–8	0.75	4.43	2.56	1.48	4.21	2.43	1.40	4.06	2.34	1.35	685	68.5	0.65	1.9	1.8	2.2	3.6	59	17.6	0.006346
T1A 100L2–8	1.1	6.09	3.52	2.03	5.79	3.34	1.93	5.58	3.22	1.86	690	72	0.66	1.9	2.1	1.8	3.5	59	20	0.008340
T1A 112M–8	1.5	7.87	4.54	2.62	7.48	4.32	2.49	7.21	4.16	2.40	700	76	0.66	1.8	2.3	1.8	4	61	25.3	0.013950
T1A 132S–8	2.2	10.6	6.13	3.54	10.1	5.83	3.36	9.73	5.62	3.24	715	79	0.69	1.9	2.4	1.7	4.9	64	39.6	0.032131
T1A 132M–8	3	13.9	8.04	4.64	13.2	7.64	4.41	12.7	7.36	4.25	715	81	0.7	2	2.5	1.8	5.1	64	47.4	0.040598
T1A 160M1–8	4	18.3	10.6	6.11	17.4	10.1	5.81	16.8	9.70	5.60	715	82	0.7	1.8	2.3	1.6	4.6	68	59.8	0.071036
T1A 160M2–8	5.5	24.8	14.3	8.25	23.5	13.6	7.84	22.7	13.1	7.56	710	83.5	0.7	1.9	2.4	1.8	4.8	68	69	0.086226
T1A 160L–8	7.5	33.0	19.0	11.0	31.3	18.1	10.4	30.2	17.4	10.1	715	85.5	0.7	2.5	2.8	2	5.7	68	84.8	0.113076

T2A Series IE2 Efficiency Motors Technical Data (at 50Hz)

Model	Power	Current(A)			Current(A)			Current(A)			Speed (r/min)	Eff. (%)	Power factor (cos φ)	T_{start}/T_n (Times)	T_{max}/T_n (Times)	T_{min}/T_n (Times)	I_{st}/I_n (Times)	Noise dB(A)	W.T (kg)	Inertia kg*m²
		220V	380V	660V	230V	400V	690V	240V	415V	720V										
T2A 801–2	0.75	3.15	1.82	1.05	2.99	1.73	1.00	2.88	1.66	0.96	2840	77.4	0.81	2.6	2.8	2.2	6.1	67	8.4	0.000896
T2A 802–2	1.1	4.43	2.56	1.48	4.21	2.43	1.40	4.06	2.34	1.35	2860	79.6	0.82	2.6	2.6	1.8	7	67	9.8	0.001124
T2A 803–2	1.5	5.78	3.34	1.93	5.49	3.17	1.83	5.29	3.06	1.76	2880	81.3	0.84	2.9	3.1	2	7.4	70	11.3	0.001427
T2A 90S–2	1.5	5.92	3.42	1.97	5.63	3.25	1.88	5.42	3.13	1.81	2880	81.3	0.82	2.8	3	2	7.2	72	12.4	0.001856
T2A 90L1–2	2.2	8.38	4.84	2.79	7.96	4.60	2.66	7.68	4.43	2.56	2890	83.2	0.83	2.8	3.1	1.4	7.6	72	15	0.002306
T2A 90L2–2	3	11.0	6.34	3.66	10.4	6.02	3.48	10.05	5.80	3.35	2880	84.6	0.85	3.4	3.3	2.3	7.9	74	17.2	0.002966
T2A 100L1–2	3	10.7	6.19	3.58	10.2	5.88	3.40	9.82	5.67	3.27	2910	84.6	0.87	3.1	3.5	2.6	8.8	76	22	0.004131
T2A 100L2–2	4	14.1	8.14	4.70	13.4	7.73	4.47	12.9	7.46	4.30	2910	85.8	0.87	3.7	4.2	3.8	9.9	77	25.8	0.005197
T2A 112M1–2	4	13.8	7.96	4.60	13.1	7.56	4.37	12.6	7.29	4.21	2920	85.8	0.89	3.3	3.6	2	9.6	77	26.7	0.006311
T2A 112M2–2	5.5	19.1	11.0	6.37	18.2	10.5	6.06	17.5	10.1	5.84	2920	87	0.87	3.4	4.1	2.8	10.2	78	32.5	0.008057
T2A 132S1–2	5.5	18.7	10.8	6.23	17.8	10.3	5.92	17.1	9.9	5.71	2920	87	0.89	2.4	3.4	1.9	8.3	80	39.7	0.013319
T2A 132S2–2	7.5	25.2	14.5	8.39	23.9	13.8	7.97	23.0	13.3	7.68	2920	88.1	0.89	3.1	3.7	2	10.3	80	47.3	0.016473
T2A 132M1–2	9.2	30.7	17.7	10.2	29.1	16.8	9.71	28.1	16.2	9.36	2920	88.7	0.89	3.4	4.1	1.4	10.8	81	52	0.017834
T2A 132M2–2	11	36.0	20.8	12.0	34.2	19.7	11.4	32.9	19.0	11.0	2930	89.4	0.9	4	3.9	1.7	12.7	83	58.5	0.021619
T2A 132M3–2	15	48.6	28.0	16.2	46.1	26.6	15.4	44.5	25.7	14.8	2940	90.3	0.9	3.7	4.3	1.7	13.6	86	74	0.028557
T2A 160M1–2	11	36.4	21.0	12.1	34.6	20.0	11.5	33.3	19.2	11.1	2950	89.4	0.89	2.6	3.4	1.5	8.4	86	79	0.050092
T2A 160M2–2	15	48.6	28.0	16.2	46.1	26.6	15.4	44.5	25.7	14.8	2950	90.3	0.9	2.6	3.4	1.8	9.4	86	91	0.065326
T2A 160L1–2	18.5	59.5	34.4	19.8	56.5	32.6	18.8	54.5	31.5	18.2	2950	90.9	0.9	2.6	3.2	1.8	9.4	86	101	0.077018
T2A 160L2–2	22	69.7	40.2	23.2	66.2	38.2	22.1	63.8	36.8	21.3	2950	91.3	0.91	3.1	3.6	1.8	10.6	91	112.5	0.090348
T2A 802–4	0.75	3.49	2.02	1.16	3.32	1.92	1.11	3.20	1.85	1.07	1420	79.6	0.71	2.7	2.9	2.4	5.7	58	10.4	0.001928
T2A 803–4	1.1	4.94	2.85	1.65	4.69	2.71	1.56	4.52	2.61	1.51	1420	81.4	0.72	3.1	3.1	2.5	5.9	61	12.3	0.002522
T2A 90S–4	1.1	4.81	2.77	1.60	4.57	2.64	1.52	4.40	2.54	1.47	1440	81.4	0.74	2.9	3.1	2.2	6.8	61	13.8	0.003342
T2A 90L1–4	1.5	6.44	3.72	2.15	6.12	3.53	2.04	5.90	3.41	1.97	1440	82.8	0.74	3.1	3.2	2.2	6.5	61	16.1	0.004185
T2A 90L2–4	2.2	9.16	5.29	3.05	8.70	5.02	2.90	8.38	4.84	2.80	1430	84.3	0.75	3.4	2.4	2.2	7.1	64	18.8	0.005352
T2A 100L1–4	2.2	8.38	4.84	2.79	7.96	4.59	2.65	7.67	4.43	2.56	1440	84.3	0.82	2.4	2.9	2	6.6	64	22	0.007765
T2A 100L2–4	3	11.5	6.66	3.85	11.0	6.33	3.66	10.6	6.10	3.52	1450	85.5	0.8	2.3	3.2	2.4	7.6	64	25.8	0.009743
T2A 100L3–4	4	15.2	8.77	5.06	14.4	8.33	4.81	13.9	8.03	4.64	1440	86.6	0.8	2.8	3.2	2.3	7.2	65	28.6	0.011063
T2A 112M1–4	4	14.8	8.56	4.94	14.1	8.13	4.69	13.6	7.84	4.52	1440	86.6	0.82	2.5	3.3	2.3	7.9	65	31.4	0.013744
T2A 112M2–4	5.5	20.6	11.9	6.88	19.6	11.3	6.53	18.9	10.9	6.30	1440	87.7	0.8	3.7	3.6	3.1	8.3	71	36.7	0.017355
T2A 132S–4	5.5	19.9	11.5	6.63	18.9	10.9	6.30	18.2	10.5	6.07	1460	87.7	0.83	2.1	3.5	1.9	8.6	71	44.3	0.030593
T2A 132M1–4	7.5	26.8	15.5	8.94	25.5	14.7	8.49	24.5	14.2	8.18	1460	88.7	0.83	2.7	3.2	1.7	8.9	71	54.5	0.039726
T2A 132M2–4	9.2	31.9	18.4	10.6	30.3	17.5	10.1	29.2	16.9	9.7	1460	89.2	0.85	2.9	3.2	1.7	8.7	74	56.6	0.046178
T2A 132M3–4	11	37.9	21.9	12.6	36.0	20.8	12.0	34.7	20.0	11.6	1460	89.8	0.85	3.3	3.6	1.4	9.3	75	68	0.053920
T2A 160M–4	11	38.8	22.4	12.9	36.9	21.3	12.3	35.6	20.5	11.9	1460	89.8	0.83	2.5	2.7	1.7	7	75	82	0.089674
T2A 160L1–4	15	51.9	29.9	17.3	49.3	28.4	16.4	47.5	27.4	15.8	1470	90.6	0.84	2.5	2.8	1.6	8.3	75	103	0.118199
T2A 160L2–4	18.5	63.5	36.7	21.2	60.4	34.9	20.1	58.2	33.6	19.4	1470	91.2	0.84	2.7	3	1.7	8.8	78	115	0.137038
T2A 803–6	0.75	3.88	2.24	1.29	3.69	2.13	1.23	3.55	2.05	1.18	920	75.9	0.67	2.7	2.6	2.5	4.2	58	11.7	0.003079
T2A 90S–6	0.75	4.00	2.31	1.33	3.80	2.19	1.27	3.66	2.11	1.22	940	75.9	0.65	2.2	2.5	1.9	4.5	59	12.6	0.003467
T2A 90L–6	1.1	5.37	3.10	1.79	5.10	2.95	1.70	4.92	2.84	1.64	950	78.1	0.69	2	2.4	1.8	4.9	59	15.2	0.004884
T2A 90L2–6	1.5	7.27	4.20	2.42	6.91	3.99	2.30	6.66	3.85	2.22	945	79.8	0.68	2.7	3	2.5	5.1	61	18.2	0.006292
T2A 100L–6	1.5	6.68	3.86	2.23	6.35	3.67	2.12	6.12	3.53	2.04	950	79.8	0.74	1.7	2.2	1.6	4.8	61	20.7	0.008340
T2A 100L2–6	2.2	9.83	5.68	3.28	9.34	5.39	3.11	9.00	5.20	3.00	950	81.8	0.72	2.5	2.7	2.1	5.5	64	25	0.011529
T2A 112M–6	2.2	9.70	5.60	3.23	9.21	5.32	3.07	8.88	5.13	2.96	955	81.8	0.73	2.1	2.7	1.8	5.5	64	26	0.015440
T2A 112M2–6	3	13.2	7.60	4.39	12.5	7.22	4.17	12.1	6.96	4.02	955	83.3	0.72	2.3	2.8	2.1	5.7	64	31	0.019165
T2A 132S–6	3	12.5	7.20	4.16	11.8	6.84	3.95	11.4	6.59	3.81	960	83.3	0.76	1.6	2.4	1.5	5.6	64	37.8	0.032131
T2A 132M1–6	4	16.8	9.71	5.61	16.0	9.22	5.32	15.4	8.89	5.13	965	84.6	0.74	2	2.6	1.6	5.9	68	43.8	0.038925
T2A 132M2–6	5.5	22.4	13.0	7.48	21.3	12.3	7.11	20.5	11.9	6.85	965	86	0.75	2.4	2.6	1.8	6.6	68	51.1	0.048966
T2A 132M3–6	7.5	29.8	17.2	9.93	28.3	16.3	9.43	27.3	15.7	9.09	970	87.2	0.76	3.1	3.2	1.9	7.9	68	66	0.065702
T2A 160M–6	7.5	29.4	17.0	9.80	27.9	16.1	9.31	26.9	15.5	8.97	965	87.2	0.77	2.5	2.9	1.8	6.9	68	74	0.093821
T2A 160L–6	11	42.9	24.8	14.3	40.8	23.6	13.6	39.3	22.7	13.1	970	88.7	0.76	2.2	2.3	1.3	6.5	73	93	0.128267
T2A 160L2–6	15	57.2	33.0	19.1	54.3	31.3	18.1	52.3	30.2	17.4	965	89.7	0.77	3.1	3	2.2	8.3	79	116	0.170040

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

Model	Power	Current(A)			Current(A)			Current(A)			Speed	Eff.			Power Factor	Tstart/Tn (Times)	Tmax/Tn (Times)	Tmin/Tn (Times)	Is/In (Times)	Noise dB(A)	W.T (kg)	Inertia kg*m²
		220V	380V	660V	230V	400V	690V	240V	415V	720V	(r/min)	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	0.000231
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	0.000255
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	0.000369
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	63.5	56.2	0.80	3.1	3.1	2	6.5	64	6.2	0.000495
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	0.000606
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	0.000972
T3A 802–2	1.1	4.22	2.43	1.41	4.01	2.31	1.34	3.86	2.23	1.29	2890	82.7	82.5	79.9	0.83	3.4	3.4	2	8.7	67	10.6	0.001275
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	0.001654
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	0.002186
T3A 90L1–2	2.2	8.22	4.75	2.74	7.81	4.51	2.60	7.53	4.35	2.51	2910	85.9	86.1	84.7	0.82	3.1	3.5	2.2	8.1	72	16.3	0.002636
T3A 90L2–2	3	11.3	6.54	3.78	10.8	6.21	3.59	10.37	5.99	3.46	2910	87.1	87.1	84.2	0.80	4	4.1	2.6	9.6	74	18.5	0.003406
T3A 100L1–2	3	10.2	5.88	3.39	9.7	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	0.004842
T3A 100L2–2	4	13.3	7.66	4.43	12.6	7.28	4.20	12.2	7.02	4.05	2910	88.1	88.7	88.1	0.90	3.3	3.6	2.3	10.1	77	27.6	0.005907
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	0.91	3.4	3.9	2.4	10.5	77	30.1	0.007505
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	0.009251
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	0.015212
T3A 132S2–2	7.5	24.3	14.1	8.11	23.1	13.4	7.71	22.3	12.9	7.43	2930	90.1	90.2	89.1	0.90	3.6	4.7	2.4	11.9	80	51.7	0.018996
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	0.021619
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	0.024142
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	0.90	4.9	4.9	2	14.4	86	75	0.028557
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	0.059613
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	0.076751
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	0.092252
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	91	130.6	0.104677
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	0.90	3.5	3.8	1.8	10.2	94	158	0.136738
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	0.90	3.6	3.7	1.7	9.8	94	173.1	0.163308
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	0.70	2.2	2.3	2	3.5	52	3.8	0.000305
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	0.70	2.2	2.5	2.1	4.1	52	4.5	0.000399
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	0.69	2.3	2.5	2.1	4.5	55	5.8	0.000717
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	0.000965
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	0.64	3.1	3.3	2.4	6.2	57	9.5	0.001690
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	0.002285
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	0.002998
T3A 90S–4	1.1	4.72	2.72	1.57	4.48	2.59	1.49	4.32	2.49	1.44	1440	84.1	84.2	82.9	0.73	4	3.4	2.5	7.1	61	15.1	0.003842
T3A 90L1–4	1.5	6.25	3.61	2.08	5.94	3.43	1.98	5.73	3.31	1.91	1430	85.3	85.5	84.1	0.74	3.4	3.3	2.8	7.1	61	18	0.004685

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

Model	Power	Current(A)			Current(A)			Current(A)			Speed	Eff.			Power Factor	Tstart/Tn (Times)	Tmax/Tn (Times)	Tmin/Tn (Times)	Is/In (Times)	Noise dB(A)	W.T (kg)	Inertia kg*m²
		220V	380V	660V	230V	400V	690V	240V	415V	720V	(r/min)	100%	75%	50%								
T3A 100L1–4	2.2	8.35	4.82	2.78	7.93	4.58	2.64	7.64	4.41	2.55	1450	86.7	87.1	86.2	0.80	2.8	3.3	2.3	7.9	64	23.9	0.008754
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	0.011063
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	0.015292
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	0.80	3.8	3.7	2.5	9.1	71	39.1	0.048758
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	0.034464
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	0.043597
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	0.051339
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	0.060372
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	0.105373
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	0.137038
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	0.173293
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	0.200637
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	0.265100
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	0.000790
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	0.001020
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	0.002189
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	0.002931
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	0.004070
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	0.005487
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	2.6	5.6	61	21.3	0.006895
T3A 100L–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	0.70	2.4	2.9	2.2	5.5	61	22.1	0.009137
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	2.3	6.2	64	27.7	0.012725
T3A 112M–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	1.8	5.5	64	27.1	0.017675
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	0.021400
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	0.033804
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	0.043946
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	0.053987
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	0.070723
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	0.109012
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	0.154850
T3A 180L–6	15	52.1	30.1	17.4	49.5	28.6	16.5	47.7	27.6	15.9	960	91.2	90.9	89.4	0.83	2.3	2.9	2.1	7.8	79	125.2	0.275157
T3A 200L1–6	18.5	66.4	38.3	22.1	63.0	36.4	21.0	60.8	35.1	20.3	980	91.7	91.5	90.1	0.80	2.7	3.7	2.2	9.8	82	143	0.332066
T3A 200L2–6	22	78.5	45.3	26.2	74.6	43.1	24.9	71.9	41.5	24.0	980	92.2	92	90.6	0.80	2.9	3.7	2.3	10.5	82	162	0.388316