





## T4A Series IE4 Efficiency Motors Technical Data ( at 50Hz )

Model	Power	Eff.(%)			Power factor (cos φ)	Current(A)			Speed (r/min)	Tn (Nm)	Tstart/Tn (Times)	Tmax/Tn (Times)	Tmin/Tn (Times)	Is/In (Times)	Noise dB(A)	W.T (kg)	Inertia (kg*m²)
		100%	75%	50%		230V	400V	690V									
T4A631-2	0.18	70.8	68.8	63.6	0.75	0.85	0.49	0.28	2870	0.6240	2.6	2.9	2.0	5.5	61	3.8	0.000245
T4A632-2	0.25	74.3	73.1	68.7	0.77	1.10	0.63	0.37	2880	0.8637	2.7	3.2	2.4	6.3	61	4.5	0.000303
T4A711-2	0.37	78.1	77.3	73.4	0.78	1.52	0.88	0.51	2890	1.2739	2.8	3.3	2.3	6.7	64	5.7	0.000421
T4A712-2	0.55	81.5	81.1	77.9	0.79	2.14	1.23	0.71	2890	1.8936	2.9	3.5	2.5	6.8	64	6.7	0.000569
T4A801-2	0.75	83.5	83.6	81.5	0.80	2.82	1.62	0.94	2900	2.5733	3.7	3.9	2.5	8.8	67	9.5	0.001124
T4A802-2	1.1	85.2	85.2	83.3	0.82	3.95	2.27	1.32	2910	3.7612	4.0	4.2	2.6	10.0	67	12	0.001508
T4A90S-2	1.5	86.5	86.5	84.6	0.81	5.37	3.09	1.79	2910	5.1289	3.6	2.8	4.0	9.6	72	14.5	0.002296
T4A90L-2	2.2	88.0	88.2	86.9	0.83	7.56	4.35	2.52	2900	7.5483	4.0	4.2	3.0	10.5	72	18.5	0.003086
T4A100L-2	3	89.1	89.4	88.4	0.90	9.39	5.4	3.13	2910	10.258	3.7	2.9	3.9	11.0	76	28	0.005939
T4A112M-2	4	90.0	90.4	89.7	0.91	12.3	7.05	4.09	2920	13.630	3.5	2.6	3.9	10.5	77	35	0.009270
T4A132S1-2	5.5	90.9	90.9	89.5	0.90	17.3	9.93	5.63	2940	18.614	3.4	2.3	4.0	10.5	80	49	0.017735
T4A132S2-2	7.5	91.7	91.7	90.7	0.91	23.1	13.3	7.52	2940	25.383	3.8	2.3	4.1	10.0	80	59	0.022880
T4A160M1-2	11	92.6	93.2	92.1	0.91	32.6	18.8	10.9	2950	37.102	3.5	2.5	3.8	10.0	86	95	0.069134
T4A160M2-2	15	93.3	93.8	92.8	0.92	43.9	25.2	14.6	2960	50.422	3.6	2.5	3.8	10.0	86	116	0.090348
T4A160L-2	18.5	93.7	94.2	93.1	0.93	53.3	30.6	17.8	2960	62.188	3.8	2.5	4.0	10.3	86	136	0.107485
T4A631-4	0.12	69.8	68.2	66.5	0.66	0.65	0.38	0.22	1400	0.8529	2.3	2.7	2.3	4.0	52	4	0.000336
T4A632-4	0.18	74.7	74.1	69.7	0.67	0.90	0.53	0.30	1400	1.2793	2.6	2.8	2.4	4.3	52	4.8	0.000430
T4A711-4	0.25	77.9	77.0	72.9	0.65	1.24	0.71	0.41	1430	1.7395	3.0	3.4	2.8	5.6	55	6.5	0.000841
T4A712-4	0.37	81.1	80.5	77.2	0.66	1.74	1.00	0.58	1430	2.5745	3.4	3.6	3.0	6.2	55	8	0.001188
T4A801-4	0.55	83.9	83.3	80.6	0.67	2.46	1.41	0.82	1440	3.8003	3.4	3.7	3.0	6.8	57	11	0.002047
T4A802-4	0.75	85.7	85.3	82.8	0.67	3.28	1.97	1.09	1450	5.1466	3.7	4.0	3.1	7.3	58	13	0.002646
T4A90S-4*	1.1	87.2	87.1	84.4	0.69	4.59	2.64	1.53	1435	7.6272	4.8	3.8	4.1	8.2	61	18	0.004685
T4A90L-4*	1.5	88.2	88.1	86.1	0.71	6.01	3.46	2.00	1455	10.258	4.8	3.8	4.2	9.2	61	21.5	0.005696
T4A100L1-4	2.2	89.5	89.6	88.2	0.76	8.12	4.67	2.71	1460	14.993	3.5	3.0	4.3	9.5	64	26	0.010435
T4A100L2-4*	3	90.4	89.7	88.1	0.75	11.1	6.41	3.70	1460	20.445	3.8	3.4	4.5	9.5	64	33	0.013074
T4A112M-4*	4	91.1	91	90	0.80	14.0	8.08	4.59	1460	27.260	4.0	3.0	4.5	9.8	65	41	0.019436
T4A132S-4	5.5	91.9	92.2	91.5	0.80	18.8	10.9	6.26	1470	37.228	3.4	2.1	4.1	10.0	71	56	0.043597
T4A132M-4	7.5	92.6	92.8	92.2	0.81	25.1	13.9	8.37	1470	50.765	4.4	2.2	4.0	10.2	71	74	0.055210
T4A160M-4	11	93.3	93.5	92.8	0.82	36.1	20.7	12.0	1475	74.203	2.8	2.2	3.2	9.1	75	100	0.127619
T4A160L-4	15	93.9	94.1	93.7	0.83	48.3	27.9	16.1	1475	101.19	3.2	2.2	3.5	9.2	75	126	0.165297
T4A711-6	0.18	70.1	66.8	60.2	0.60	1.07	0.62	0.36	940	1.9053	2.7	2.3	2.9	4.1	52	6.3	0.001020
T4A712-6	0.25	74.1	71.5	65.3	0.60	1.41	0.81	0.47	940	2.6463	2.8	2.4	2.9	4.5	52	7.4	0.001250
T4A801-6	0.37	78.0	76.7	72.2	0.61	1.95	1.12	0.65	950	3.8753	2.7	3.1	2.5	4.8	56	11	0.002634
T4A802-6*	0.55	80.9	80	76.3	0.61	2.80	1.61	0.93	950	5.7605	3.2	3.5	2.8	5.3	56	14	0.003677
T4A90S-6*	0.75	82.7	81.6	77.7	0.63	3.61	2.08	1.20	960	7.7734	2.8	2.4	3.2	5.7	59	15.5	0.004683
T4A90L-6*	1.1	84.5	83.5	80.5	0.65	5.03	2.89	1.68	960	11.401	3.1	2.5	3.3	5.9	59	20	0.006503
T4A100L-6	1.5	85.9	86.2	84.5	0.72	6.09	3.5	2.03	965	15.466	2.7	1.9	3.0	6.5	61	28	0.012757
T4A112M-6	2.2	87.4	87.2	85.4	0.69	9.16	4.98	3.05	970	22.567	3.0	2.6	3.8	7.5	64	35	0.022890
T4A132S-6	3	88.6	88.7	87.4	0.71	12.0	6.88	3.99	975	30.615	2.5	1.9	3.2	7.1	64	47	0.043846
T4A132M1-6	4	89.5	89.8	88.8	0.74	15.2	8.72	5.05	975	40.821	2.8	1.8	3.4	8.0	68	55	0.053987
T4A132M2-6	5.5	90.5	90.7	89.7	0.75	20.3	11.7	6.78	975	56.128	3.3	1.8	3.3	8.2	68	68	0.070723
T4A160M-6	7.5	91.3	91.5	90.3	0.77	26.7	15.4	8.89	980	76.148	3.3	1.8	3.3	8.5	68	92	0.128267
T4A160L-6	11	92.3	92.6	91.2	0.77	38.9	22.3	12.9	980	111.68	3.4	1.8	3.4	8.5	73	120	0.185230
T4A712-8	0.12	62.3	59.8	52.6	0.60	0.81	0.47	0.27	690	1.7304	2.2	2.3	2.0	2.9	50	7.5	0.001327
T4A801-8	0.18	67.2	64.1	56.8	0.52	1.29	0.74	0.43	710	2.5225	2.3	2.7	2.0	3.4	52	10	0.002323
T4A802-8	0.25	70.8	67.9	61	0.52	1.70	0.98	0.57	710	3.5035	2.7	3.1	2.4	3.7	52	12	0.003080
T4A90S-8	0.37	74.3	71.9	65.7	0.52	2.40	1.38	0.80	715	5.1490	2.5	2.2	2.9	3.9	56	14	0.004070
T4A90L-8	0.55	77	75.4	70.1	0.52	3.45	1.98	1.15	710	7.7077	2.5	2.2	2.9	4.0	56	17.5	0.005498
T4A100L1-8	0.75	78.4	77.9	74.4	0.64	3.75	2.16	1.25	710	10.511	2.1	2.1	2.8	4.3	59	20.5	0.008340
T4A100L2-8	1.1	80.8	80.7	78.1	0.64	5.34	3.07	1.78	710	15.415	2.3	1.8	2.6	4.5	59	26	0.011561
T4A112M-8	1.5	82.6	82.3	79.5	0.63	7.24	4.16	2.41	715	20.874	2.5	2.3	3.0	5.1	61	33	0.021400
T4A132S-8	2.2	84.5	85.5	82.5	0.64	10.2	5.87	3.40	725	30.193	2.3	2.0	3.0	5.6	64	50	0.048867
T4A132M-8	3	85.9	86.0	84.2	0.67	13.1	7.52	4.36	725	41.172	2.5	2.1	3.1	6.3	64	61	0.062355
T4A160M1-8	4	87.1	87.5	86.3	0.69	16.7	9.61	5.57	725	54.900	2.2	1.7	2.8	5.6	68	76	0.101417
T4A160M2-8	5.5	88.3	88.7	87.8	0.70	22.3	12.8	7.45	725	75.483	2.5	1.8	3.0	6.1	68	94	0.135595
T4A160L-8	7.5	89.3	89.7	89.0	0.71	29.7	17.1	9.90	725	102.93	2.5	1.6	3.0	6.6	68	116	0.177635

Note: Model with \* Will be Longer Non-drive Endshield & Fan Cover.