

IE1 Efficiency Motors Technical Data

Model	Power (KW)	Full Load Speed (r/min)	I _n 400V (A)	I _n 400V (A)	I _{st} /I _n (Times)	Eff. 100%FL (%)	Power Factor (CosΦ)	Full Load Torque (N.M)	T _{st} /T _n (Times)	T _{min} /T _n (Times)	T _{max} /T _n (Times)
2 Pole - 3000 rpm Synchronous Speed 50Hz											
TCA-1/TCC-1 801-2	0.75	2838	1.09	2.06	5	72.1	0.73	2.52	2.2	1.9	2.6
TCA-1/TCC-1 802-2	1.1	2836	1.54	2.90	5	75	0.73	3.70	2.2	1.8	2.6
TCA-1/TCC-1 90S-2	1.5	2842	1.98	3.79	5	77.2	0.74	5.04	2.2	1.8	2.5
TCA-1/TCC-1 90L-2	2.2	2835	2.39	5.04	5.5	79.7	0.79	7.41	2.2	1.8	2.5
TCA-1/TCC-1 100L-2	3	2841	2.97	6.56	5.5	81.5	0.81	10.08	2.3	1.9	2.6
TCA-1/TCC-1 112M-2	4	2900	3.88	8.58	6	83.1	0.81	13.17	2.4	1.9	2.6
TCA-1/TCC-1 132S1-2	5.5	2895	4.65	11.16	6	84.7	0.84	18.14	2.3	2	2.6
TCA-1/TCC-1 132S2-2	7.5	2900	5.98	14.81	6.4	86	0.85	24.70	2.3	2	2.7
TCA-1/TCC-1 160M1-2	11	2910	7.85	20.83	6.3	87.6	0.87	36.10	2.3	2	2.7
TCA-1/TCC-1 160M2-2	15	2908	10.57	28.06	6.8	88.7	0.87	49.26	2.3	2	2.7
TCA-1/TCC-1 160L-2	18.5	2912	11.69	33.60	7	89.3	0.89	60.67	2.3	2	2.7
TCA-1/TCC-1 180M-2	22	2920	13.81	39.69	7.2	89.9	0.89	71.95	2.3	2	2.6
TCA-1/TCC-1 200L1-2	30	2915	18.67	53.64	7	90.7	0.89	98.28	2.3	2	2.6
TCA-1/TCC-1 200L2-2	37	2920	22.90	65.80	7.2	91.2	0.89	121.00	2.3	2	2.7
TCC-1 225M-2	45	2920	26.21	78.70	7	91.7	0.90	147.16	2.3	2	2.7
TCC-1 250M-2	55	2930	35.47	97.85	7.8	92.2	0.88	179.25	2.2	1.9	2.5
TCC-1 280S-2	75	2930	45.66	131.22	7.8	92.7	0.89	244.44	2.1	1.9	2.5
TCC-1 280M-2	90	2930	51.68	155.21	7.7	93	0.90	293.32	2.1	1.9	2.5
TCC-1 315S-2	110	2940	62.97	189.09	7.7	93.3	0.90	357.29	2	1.8	2.3
TCC-1 315M-2	132	2940	71.12	223.93	7.6	93.5	0.91	428.74	2	1.8	2.3
TCC-1 315L1-2	160	2945	91.10	273.57	7.8	93.8	0.90	518.81	2	1.8	2.3
TCC-1 315L2-2	200	2945	120.08	345.07	7.9	94	0.89	648.51	2	1.8	2.3
TCC-1 355M-2	250	2945	142.04	426.54	7.8	94	0.90	810.64	2	1.8	2.3
TCC-1 355L-2	315	2945	189.13	543.48	7.8	94	0.89	1021.40	2	1.8	2.3
4 Pole - 1500 rpm Synchronous Speed 50Hz											
TCA-1/TCC-1 802-4	0.75	1410	1.03	2.00	5.4	72.1	0.75	5.08	2.2	1.9	2.6
TCA-1/TCC-1 90S-4	1.1	1415	1.32	2.71	5.3	75	0.78	7.42	2.2	1.8	2.6
TCA-1/TCC-1 90L-4	1.5	1410	1.74	3.60	5.5	77.2	0.78	10.16	2.2	1.8	2.5
TCA-1/TCC-1 100L1-4	2.2	1420	2.31	4.98	6	79.7	0.80	14.79	2.2	1.8	2.5
TCA-1/TCC-1 100L2-4	3	1420	3.08	6.64	6	81.5	0.80	20.17	2.3	1.9	2.6
TCA-1/TCC-1 112M-4	4	1425	3.74	8.47	6.3	83.1	0.82	26.81	2.4	1.9	2.6
TCA-1/TCC-1 132S-4	5.5	1420	4.85	11.29	6.5	84.7	0.83	36.99	2.3	2	2.6
TCA-1/TCC-1 132M-4	7.5	1420	5.98	14.81	6.4	86	0.85	50.44	2.3	2	2.7
TCA-1/TCC-1 160M-4	11	1430	8.61	21.32	6.8	87.6	0.85	73.46	2.3	2	2.7
TCA-1/TCC-1 160L-4	15	1435	10.06	27.74	6.7	88.7	0.88	99.82	2.3	2	2.7
TCA-1/TCC-1 180M-4	18.5	1435	12.32	33.98	7.2	89.3	0.88	123.11	2.3	2	2.7
TCA-1/TCC-1 180L-4	22	1450	15.29	40.60	7.3	89.9	0.87	144.89	2.3	2	2.6

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4 Pole - 1500 rpm Synchronous Speed 50Hz											
TCA-1/TCC-1 200L-4	30	1450	18.67	53.64	7.6	90.7	0.89	197.57	2.3	2	2.6
TCC-1 225S-4	37	1460	22.90	65.80	7.5	91.2	0.89	242.00	2.3	2	2.7
TCC-1 225M-4	45	1470	29.18	80.49	7.3	91.7	0.88	292.33	2.3	2	2.7
TCC-1 250M-4	55	1470	33.70	96.85	7.4	92.1	0.89	357.29	2.2	1.9	2.5
TCC-1 280S-4	75	1470	48.11	132.71	7.5	92.7	0.88	487.21	2.1	1.9	2.5
TCC-1 280M-4	90	1470	51.68	155.21	7.7	93	0.90	584.65	2.1	1.9	2.5
TCC-1 315S-4	110	1475	62.97	189.09	7.8	93.3	0.90	712.15	2	1.8	2.3
TCC-1 315M-4	132	1475	71.12	223.93	7.8	93.5	0.91	854.58	2	1.8	2.3
TCC-1 315L1-4	160	1475	85.93	270.56	7.9	93.8	0.91	1035.86	2	1.8	2.3
TCC-1 315L2-4	200	1475	113.63	341.23	7.7	94	0.90	1294.82	2	1.8	2.3
TCC-1 355M-4	250	1475	150.10	431.33	7.9	94	0.89	1618.52	2	1.8	2.3
TCC-1 355L-4	315	1475	178.97	537.44	7.8	94	0.90	2039.34	2	1.8	2.3
6 Pole - 1000 rpm Synchronous Speed 50Hz											
TCA-1/TCC-1 90S-6	0.75	930	1.16	2.15	5.3	70	0.72	7.70	2.2	1.9	2.6
TCA-1/TCC-1 90L-6	1.1	930	1.63	3.02	5	72.9	0.72	11.29	2.2	1.8	2.6
TCA-1/TCC-1 100L-6	1.5	935	2.09	3.94	4.9	75.2	0.73	15.32	2.2	1.8	2.5
TCA-1/TCC-1 112M-6	2.2	935	2.97	5.60	5.7	77.7	0.73	22.47	2.2	1.8	2.5
TCA-1/TCC-1 132S-6	3	935	3.95	7.44	6.3	79.7	0.73	30.64	2.3	1.9	2.6
TCA-1/TCC-1 132M1-6	4	940	5.01	9.59	6.2	81.4	0.74	40.64	2.4	1.9	2.6
TCA-1/TCC-1 132M2-6	5.5	940	6.34	12.57	6.8	83.1	0.76	55.87	2.3	2	2.6
TCA-1/TCC-1 160M-6	7.5	950	8.49	16.82	7	84.7	0.76	75.39	2.3	2	2.7
TCA-1/TCC-1 160L-6	11	955	11.43	23.56	7.3	86.4	0.78	109.99	2.3	2	2.7
TCA-1/TCC-1 180L-6	15	955	14.84	31.25	7.2	87.7	0.79	149.99	2.3	2	2.7
TCA-1/TCC-1 200L1-6	18.5	960	15.58	36.31	6.9	88.6	0.83	184.02	2.3	2	2.7
TCA-1/TCC-1 200L2-6	22	960	18.41	42.89	7.3	89.2	0.83	218.84	2.3	2	2.6
TCC-1 225M-6	30	970	24.82	57.84	7.4	90.2	0.83	295.34	2.3	2	2.6
TCC-1 250M-6	37	970	27.94	69.20	7.5	90.8	0.85	364.25	2.3	2	2.7
TCC-1 280S-6	45	975	32.26	82.63	7.7	91.4	0.86	440.74	2.3	2	2.7
TCC-1 280M1-6	55	975	37.40	99.29	7.7	91.9	0.87	538.68	2.2	1.9	2.5
TCC-1 315S-6	75	975	45.71	131.36	7.9	92.6	0.89	734.56	2.1	1.9	2.5
TCC-1 315M-6	90	975	51.74	155.37	8	92.9	0.90	881.47	2	1.8	2.3
TCC-1 315L1-6	110	975	62.97	189.09	7.7	93.3	0.90	1077.36	2	1.8	2.3
TCC-1 315L2-6	132	975	79.68	228.96	.8	93.5	0.89	1292.83	2	1.8	2.3
TCC-1 355M1-6	160	975	85.93	270.56	7.6	93.8	0.91	1567.06	2	1.8	2.3
TCC-1 355M2-6	200	975	113.63	341.23	7.8	94	0.90	1958.83	2	1.8	2.3
TCC-1 355L-6	250	975	150.10	431.33	7.8	94	0.89	2448.54	2	1.8	2.3

IE2 Efficiency Motors Technical Data

Model	Power (KW)	Full Load Speed (r/min)	I _m 400V (A)	I _n 400V (A)	I _m /I _n (Times)	Eff. 100%FL (%)	Power Factor (CosΦ)	Full Load Torque (N.M)	T _{st} /T _n (Times)	T _{min} /T _n (Times)	T _{max} /T _n (Times)
2 Pole - 3000 rpm Synchronous Speed 50Hz											
TCA-2/TCC-2 801-2	0.75	2848	0.96	1.86	6	77.4	0.75	2.51	2.7	2.1	2.8
TCA-2/TCC-2 802-2	1.1	2846	1.20	2.52	6.7	79.6	0.79	3.69	2.7	2.1	2.9
TCA-2/TCC-2 90S-2	1.5	2852	1.32	3.17	6.1	81.3	0.84	5.02	2.3	2	2.7
TCA-2/TCC-2 90L-2	2.2	2845	1.89	4.54	7	83.2	0.84	7.38	2.6	2.1	2.7
TCA-2/TCC-2 100L-2	3	2851	2.00	5.75	7.6	84.6	0.89	10.05	2.5	2	2.8
TCA-2/TCC-2 112M-2	4	2910	2.63	7.56	7.8	85.8	0.89	13.13	2.5	2	2.7
TCA-2/TCC-2 132S1-2	5.5	2905	3.57	10.25	7.8	87	0.89	18.08	2.4	2	2.9
TCA-2/TCC-2 132S2-2	7.5	2910	5.06	13.96	7.9	88.1	0.88	24.61	2.7	2	2.8
TCA-2/TCC-2 160M1-2	11	2920	6.57	19.73	7.9	89.4	0.90	35.97	2.2	2.1	3
TCA-2/TCC-2 160M2-2	15	2918	8.37	26.35	7.9	90.3	0.91	49.09	2.3	2.1	3
TCA-2/TCC-2 160L-2	18.5	2922	9.64	31.93	8	90.9	0.92	60.46	2.4	2.1	2.9
TCA-2/TCC-2 180M-2	22	2930	13.60	39.08	7.5	91.3	0.89	71.70	2.3	2	2.8
TCA-2/TCC-2 200L1-2	30	2925	19.39	53.49	6.7	92	0.88	97.94	2.4	2	2.7
TCA-2/TCC-2 200L2-2	37	2930	21.36	64.15	6.3	92.5	0.90	120.59	2.3	2	2.7
TCC-2 225M-2	45	2930	28.81	79.45	6.9	92.9	0.88	146.66	2.3	2	2.8
TCC-2 250M-2	55	2940	35.09	96.80	8	93.2	0.88	178.64	2.3	1.9	2.7
TCC-2 280S-2	75	2940	37.86	125.45	8	93.8	0.92	243.60	2.2	1.9	2.7
TCC-2 280M-2	90	2940	45.28	150.06	7.7	94.1	0.92	292.33	2.2	1.9	2.6
TCC-2 315S-2	110	2940	62.30	187.08	7.7	94.3	0.90	357.29	2	1.8	2.3
TCC-2 315M-2	132	2940	70.29	221.33	7.6	94.6	0.91	428.74	2	1.8	2.3
TCC-2 315L1-2	160	2945	90.14	270.68	7.8	94.8	0.90	518.81	2	1.8	2.3
TCC-2 315L2-2	200	2945	118.82	341.44	7.9	95	0.89	648.51	2	1.8	2.3
TCC-2 355M-2	250	2945	140.54	422.05	7.8	95	0.90	810.64	2	1.8	2.3
TCC-2 355L-2	315	2945	187.14	537.76	7.8	95	0.89	1021.40	2	1.8	2.3
4 Pole - 1500 rpm Synchronous Speed 50Hz											
TCA-2/TCC-2 802-4	0.75	1420	0.90	1.79	5.4	79.6	0.76	5.04	2.3	2.1	2.9
TCA-2/TCC-2 90S-4	1.1	1425	1.21	2.50	5.9	81.4	0.78	7.37	2.3	2.1	2.7
TCA-2/TCC-2 90L-4	1.5	1420	1.57	3.31	6.4	82.8	0.79	10.09	2.4	2	2.7
TCA-2/TCC-2 100L1-4	2.2	1430	2.03	4.59	6.6	84.3	0.82	14.69	2.4	2.1	2.9
TCA-2/TCC-2 100L2-4	3	1430	2.94	6.33	6.9	85.5	0.80	20.03	2.4	2	2.8
TCA-2/TCC-2 112M-4	4	1435	4.01	8.44	7.9	86.6	0.79	26.62	2.5	2	3
TCA-2/TCC-2 132S-4	5.5	1430	4.87	11.04	7.1	87.7	0.82	36.73	2.3	2	2.8
TCA-2/TCC-2 132M-4	7.5	1430	6.31	14.70	7.8	88.7	0.83	50.08	2.3	2	2.7
TCA-2/TCC-2 160M-4	11	1440	6.17	19.43	7.9	89.8	0.91	72.95	2.5	2.1	2.8
TCA-2/TCC-2 160L-4	15	1445	7.82	25.92	7.8	90.8	0.92	99.13	2.4	2.1	2.9
TCA-2/TCC-2 180M-4	18.5	1445	12.68	33.66	7.8	91.2	0.87	122.26	2.4	2.1	3
TCA-2/TCC-2 180L-4	22	1460	13.55	38.95	7.5	91.6	0.89	143.89	2.3	2	3

IE2 Efficiency Motors Technical Data

Model	Power (KW)	Full Load Speed (r/min)	I _{ni} 400V (A)	I _n 400V (A)	I _s /I _n (Times)	Eff. 100%FL (%)	Power Factor (CosΦ)	Full Load Torque (N.M)	T _{st} /T _n (Times)	T _{min} /T _n (Times)	T _{max} /T _n (Times)
4 Pole - 1500 rpm Synchronous Speed 50Hz											
TCA-2/TCC-2 200L-4	30	1460	19.33	53.31	7.9	92.3	0.88	196.22	2.4	2	2.7
TCC-2 225S-4	37	1470	33.42	72.02	6.7	92.7	0.80	240.36	2.4	2	2.7
TCC-2 225M-4	45	1480	40.47	87.21	7	93.1	0.80	290.35	2.3	2	2.8
TCC-2 250M-4	55	1480	34.98	96.49	7.4	93.5	0.88	354.87	2.4	1.9	2.7
TCC-2 280S-4	75	1480	40.19	126.56	7.5	94	0.91	483.92	2.2	1.9	2.6
TCC-2 280M-4	90	1480	45.23	149.90	7.7	94.2	0.92	580.70	2.2	1.9	2.6
TCC-2 315S-4	110	1480	62.17	186.69	7.8	94.5	0.90	709.75	2	1.8	2.3
TCC-2 315M-4	132	1480	70.22	221.09	7.8	94.7	0.91	851.69	2	1.8	2.3
TCC-2 315L1-4	160	1480	84.93	267.43	7.9	94.9	0.91	1032.36	2	1.8	2.3
TCC-2 315L2-4	200	1480	112.32	337.29	7.7	95.1	0.90	1290.45	2	1.8	2.3
TCC-2 355M-4	250	1480	148.36	426.35	7.9	95.1	0.89	1613.06	2	1.8	2.3
TCC-2 355L-4	315	1480	176.90	531.23	7.8	95.1	0.90	2032.45	2	1.8	2.3
6 Pole - 1000 rpm Synchronous Speed 50Hz											
TCA-2/TCC-2 90S-6	0.75	935	0.95	1.88	6.2	75.9	0.76	7.66	2.2	2	2.7
TCA-2/TCC-2 90L-6	1.1	935	1.18	2.54	6	78.1	0.80	11.23	2.3	2.1	2.6
TCA-2/TCC-2 100L-6	1.5	940	1.46	3.31	5.8	79.8	0.82	15.24	2.3	2.1	2.7
TCA-2/TCC-2 112M-6	2.2	940	2.25	4.85	6.4	81.8	0.80	22.35	2.3	2.1	2.9
TCA-2/TCC-2 132S-6	3	940	2.69	6.26	6.3	83.3	0.83	30.48	2.4	2.2	2.8
TCA-2/TCC-2 132M1-6	4	945	3.39	8.12	6.2	84.6	0.84	40.42	2.5	2	2.8
TCA-2/TCC-2 132M2-6	5.5	945	4.97	11.26	6.8	86	0.82	55.58	2.3	1.9	2.8
TCA-2/TCC-2 160M-6	7.5	955	6.16	14.78	7	87.2	0.84	74.99	2.4	1.9	2.7
TCA-2/TCC-2 160L-6	11	960	8.50	21.06	7.3	88.7	0.85	109.42	2.5	2	2.8
TCA-2/TCC-2 180L-6	15	960	12.48	29.08	7.8	89.7	0.83	149.21	2.3	2.1	2.9
TCA-2/TCC-2 200L1-6	18.5	965	14.03	34.75	7.8	90.4	0.85	183.07	2.4	2.1	3.2
TCA-2/TCC-2 200L2-6	22	965	15.86	40.62	7.9	90.9	0.86	217.70	2.3	1.9	3.1
TCC-2 225M-6	30	975	22.43	55.56	7.9	91.7	0.85	293.82	2.2	1.9	2.7
TCC-2 250M-6	37	975	29.95	69.79	7.5	92.2	0.83	362.38	2.3	2.1	2.7
TCC-2 280S-6	45	980	31.81	81.48	7.2	92.7	0.86	438.49	2.3	2	2.8
TCC-2 280M1-6	55	980	38.71	99.15	7.7	93.1	0.86	535.93	2.2	1.9	2.7
TCC-2 315S-6	75	980	45.17	129.81	7.9	93.7	0.89	730.81	2.1	1.9	2.5
TCC-2 315M-6	90	980	51.13	153.56	8	94	0.90	876.98	2	1.8	2.3
TCC-2 315L1-6	110	980	62.30	187.08	7.7	94.3	0.90	1071.86	2	1.8	2.3
TCC-2 315L2-6	132	980	78.75	226.30	.8	94.6	0.89	1286.23	2	1.8	2.3
TCC-2 355M1-6	160	980	85.02	267.71	7.6	94.8	0.91	1559.07	2	1.8	2.3
TCC-2 355M2-6	200	980	112.43	337.64	7.8	95	0.90	1948.84	2	1.8	2.3
TCC-2 355L-6	250	980	148.52	426.79	7.8	95	0.89	2436.05	2	1.8	2.3

IE3 Efficiency Motors Technical Data

Model	Power (KW)	Full Load Speed (r/min)	I _{nl} 400V (A)	I _n 400V (A)	I _{st} /I _n (Times)	Eff. 100%FL (%)	Power Factor (CosΦ)	Full Load Torque (N.M)	T _{st} /T _n (Times)	T _{min} /T _n (Times)	T _{max} /T _n (Times)
2 Pole - 3000 rpm Synchronous Speed 50Hz											
TCA-3/TCC-3 801-2	0.75	2848	0.92	1.79	6	80.7	0.75	2.51	2.7	2.1	2.8
TCA-3/TCC-3 802-2	1.1	2846	1.15	2.43	6.7	82.7	0.79	3.69	2.7	2.1	2.9
TCA-3/TCC-3 90S-2	1.5	2852	1.28	3.06	6.1	84.2	0.84	5.02	2.3	2	2.7
TCA-3/TCC-3 90L-2	2.2	2845	1.83	4.40	7	85.9	0.84	7.38	2.6	2.1	2.7
TCA-3/TCC-3 100L-2	3	2851	1.94	5.59	7.6	87.1	0.89	10.05	2.5	2	2.8
TCA-3/TCC-3 112M-2	4	2910	2.56	7.36	7.8	88.1	0.89	13.13	2.5	2	2.7
TCA-3/TCC-3 132S1-2	5.5	2905	3.48	10.00	7.8	89.2	0.89	18.08	2.4	2	2.9
TCA-3/TCC-3 132S2-2	7.5	2910	4.95	13.65	7.9	90.1	0.88	24.61	2.7	2	2.8
TCA-3/TCC-3 160M1-2	11	2920	6.44	19.34	7.9	91.2	0.90	35.97	2.2	2.1	3
TCA-3/TCC-3 160M2-2	15	2918	8.22	25.89	7.9	91.9	0.91	49.09	2.3	2.1	3
TCA-3/TCC-3 160L-2	18.5	2922	9.48	31.41	8	92.4	0.92	60.46	2.4	2.1	2.9
TCA-3/TCC-3 180M-2	22	2930	13.39	38.49	7.5	92.7	0.89	71.70	2.3	2	2.8
TCA-3/TCC-3 200L1-2	30	2925	19.12	52.74	6.7	93.3	0.88	97.94	2.4	2	2.7
TCA-3/TCC-3 200L2-2	37	2930	21.09	63.33	6.3	93.7	0.90	120.59	2.3	2	2.7
TCC-3 225M-2	45	2930	28.47	78.52	6.9	94	0.88	146.66	2.3	2	2.8
TCC-3 250M-2	55	2940	34.68	95.67	8	94.3	0.88	178.64	2.3	1.9	2.7
TCC-3 280S-2	75	2940	37.50	124.26	8	94.7	0.92	243.60	2.2	1.9	2.7
TCC-3 280M-2	90	2940	44.85	148.64	7.7	95	0.92	292.33	2.2	1.9	2.6
TCC-3 315S-2	110	2940	61.71	185.31	7.7	95.2	0.90	357.29	2	1.8	2.3
TCC-3 315M-2	132	2940	69.70	219.47	7.6	95.4	0.91	428.74	2	1.8	2.3
TCC-3 315L1-2	160	2945	89.20	267.86	7.8	95.8	0.90	518.81	2	1.8	2.3
TCC-3 315L2-2	200	2945	117.82	338.58	7.9	95.8	0.89	648.51	2	1.8	2.3
TCC-3 355M-2	250	2945	139.37	418.53	7.8	95.8	0.90	810.64	2	1.8	2.3
TCC-3 355L-2	315	2945	185.57	533.27	7.8	95.8	0.89	1021.40	2	1.8	2.3
4 Pole - 1500 rpm Synchronous Speed 50Hz											
TCA-3/TCC-3 802-4	0.75	1420	0.87	1.73	5.4	82.5	0.76	5.04	2.3	2.1	2.9
TCA-3/TCC-3 90S-4	1.1	1425	1.17	2.42	5.9	84.1	0.78	7.37	2.3	2.1	2.7
TCA-3/TCC-3 90L-4	1.5	1420	1.53	3.21	6.4	85.3	0.79	10.09	2.4	2	2.7
TCA-3/TCC-3 100L1-4	2.2	1430	1.97	4.47	6.6	86.7	0.82	14.69	2.4	2.1	2.9
TCA-3/TCC-3 100L2-4	3	1430	2.86	6.17	6.9	87.7	0.80	20.03	2.4	2	2.8
TCA-3/TCC-3 112M-4	4	1435	3.92	8.25	7.9	88.6	0.79	26.62	2.5	2	3
TCA-3/TCC-3 132S-4	5.5	1430	4.77	10.81	7.1	89.6	0.82	36.73	2.3	2	2.8
TCA-3/TCC-3 132M-4	7.5	1430	6.19	14.43	7.8	90.4	0.83	50.08	2.3	2	2.7
TCA-3/TCC-3 160M-4	11	1440	6.06	19.09	7.9	91.4	0.91	72.95	2.5	2.1	2.8
TCA-3/TCC-3 160L-4	15	1445	7.71	25.55	7.8	92.1	0.92	99.13	2.4	2.1	2.9
TCA-3/TCC-3 180M-4	18.5	1445	12.49	33.15	7.8	92.6	0.87	122.26	2.4	2.1	3
TCA-3/TCC-3 180L-4	22	1460	13.35	38.37	7.5	93	0.89	143.89	2.3	2	3
TCA-3/TCC-3 200L-4	30	1460	19.06	52.57	7.9	93.6	0.88	196.22	2.4	2	2.7
TCC-3 225S-4	37	1470	32.99	71.09	6.7	93.9	0.80	240.36	2.4	2	2.7
TCC-3 225M-4	45	1480	39.99	86.19	7	94.2	0.80	290.35	2.3	2	2.8
TCC-3 250M-4	55	1480	34.57	95.36	7.4	94.6	0.88	354.87	2.4	1.9	2.7
TCC-3 280S-4	75	1480	39.77	125.22	7.5	95	0.91	483.92	2.2	1.9	2.6
TCC-3 280M-4	90	1480	44.76	148.32	7.7	95.2	0.92	580.70	2.2	1.9	2.6
TCC-3 315S-4	110	1480	61.58	184.92	7.8	95.4	0.90	709.75	2	1.8	2.3
TCC-3 315M-4	132	1480	69.56	219.01	7.8	95.6	0.91	851.69	2	1.8	2.3
TCC-3 315L1-4	160	1480	84.13	264.91	7.9	95.8	0.91	1032.36	2	1.8	2.3
TCC-3 315L2-4	200	1480	111.26	334.12	7.7	96	0.90	1290.45	2	1.8	2.3
TCC-3 355M-4	250	1480	146.97	422.35	7.9	96	0.89	1613.06	2	1.8	2.3
TCC-3 355L-4	315	1480	175.24	526.25	7.8	96	0.90	2032.45	2	1.8	2.3
6 Pole - 1000 rpm Synchronous Speed 50Hz											
TCA-3/TCC-3 90S-6	0.75	935	0.91	1.81	6.2	78.9	0.76	7.66	2.2	2	2.7
TCA-3/TCC-3 90L-6	1.1	935	1.14	2.45	6	81	0.80	11.23	2.3	2.1	2.6
TCA-3/TCC-3 100L-6	1.5	940	1.41	3.20	5.8	82.5	0.82	15.24	2.3	2.1	2.7
TCA-3/TCC-3 112M-6	2.2	940	2.18	4.71	6.4	84.3	0.80	22.35	2.3	2.1	2.9
TCA-3/TCC-3 132S-6	3	940	2.62	6.09	6.3	85.6	0.83	30.48	2.4	2.2	2.8
TCA-3/TCC-3 132M1-6	4	945	3.30	7.92	6.2	86.8	0.84	40.42	2.5	2	2.8
TCA-3/TCC-3 132M2-6	5.5	945	4.85	11.00	6.8	88	0.82	55.58	2.3	1.9	2.8
TCA-3/TCC-3 160M-6	7.5	955	6.03	14.46	7	89.1	0.84	74.99	2.4	1.9	2.7
TCA-3/TCC-3 160L-6	11	960	8.35	20.69	7.3	90.3	0.85	109.42	2.5	2	2.8
TCA-3/TCC-3 180L-6	15	960	12.27	28.60	7.8	91.2	0.83	149.21	2.3	2.1	2.9
TCA-3/TCC-3 200L1-6	18.5	965	13.83	34.26	7.8	91.7	0.85	183.07	2.4	2.1	3.2
TCA-3/TCC-3 200L2-6	22	965	15.64	40.05	7.9	92.2	0.86	217.70	2.3	1.9	3.1
TCC-3 225M-6	30	975	22.14	54.84	7.9	92.9	0.85	293.82	2.2	1.9	2.7
TCC-3 250M-6	37	975	29.59	68.97	7.5	93.3	0.83	362.38	2.3	2.1	2.7
TCC-3 280S-6	45	980	31.47	80.61	7.2	93.7	0.86	438.49	2.3	2	2.8
TCC-3 280M1-6	55	980	38.30	98.10	7.7	94.1	0.86	535.93	2.2	1.9	2.7
TCC-3 315S-6	75	980	44.74	128.58	7.9	94.6	0.89	730.81	2.1	1.9	2.5
TCC-3 315M-6	90	980	50.65	152.10	8	94.9	0.90	876.98	2	1.8	2.3
TCC-3 315L1-6	110	980	61.77	185.51	7.7	95.1	0.90	1071.86	2	1.8	2.3
TCC-3 315L2-6	132	980	78.09	224.40	.8	95.4	0.89	1286.23	2	1.8	2.3
TCC-3 355M1-6	160	980	84.31	265.47	7.6	95.6	0.91	1559.07	2	1.8	2.3
TCC-3 355M2-6	200	980	111.50	334.82	7.8	95.8	0.90	1948.84	2	1.8	2.3
TCC-3 355L-6	250	980	147.28	423.23	7.8	95.8	0.89	2436.05	2	1.8	2.3