

TECO Cast-Iron TEFC 3-Phase Squirrel-Cage Induction Motors

AEMB High Efficiency Range 63 to 315M Frame (415V 50Hz)

Out put kW	Full Load Rpm	Frame No.	Efficiency			Power Factor			Current		Torque					Inertia		dB(A)	Weight Foot Mount Kgs (approx)
			Full Load (%)	3/4 Load (%)	1/2 Load (%)	Full Load (%)	3/4 Load (%)	1/2 Load (%)	Full Load (A)	Locked Rotor (%)	Full Load N-m	Locked Rotor %FLT	Locked Rotor t(secs) (hot)	Pull Up %FLT	Break-Down %FLT	ROTOR J = GD ² /4 Kg-m ²	MAX J = GD ² /4 Kg-m ²		
15	2935	160M	93.5	92.0	91.5	90.0	87.0	80.0	24.8	786	48.7	264	12	237	341	0.0513	1.28	67	133
	1465	160L	93.0	93.0	92.5	86.0	83.0	74.5	26.1	747	97.6	270	12	215	314	0.1155	6.02	57	158
	970	180LC	92.0	92.0	92.0	84.0	81.0	72.5	27.0	630	147	253	19	182	275	0.3355	15.9	56	205
	730	200LC	91.7	90.5	89.0	78.0	72.0	60.0	29.2	616	196	215	20	187	253	0.5213	31.8	57	282
18.5	2940	160L	93.8	93.5	93.0	90.5	87.0	79.5	30.3	809	60.0	286	10	248	330	0.0593	1.55	67	158
	1480	180M	94.0	94.0	93.0	83.0	76.0	64.5	33.0	742	119	220	13	154	275	0.1768	7.42	62	190
	975	200LC	93.0	93.0	92.5	82.0	78.5	69.5	33.7	653	181	253	22	182	270	0.4588	19.7	56	295
	735	225SC	93.6	93.0	92.5	77.0	71.5	60.0	35.7	532	240	215	32	138	215	0.7268	39.3	58	360
22	2950	180MA	94.1	94.0	93.0	87.0	85.0	77.0	37.4	882	71.1	248	12	198	303	0.0708	1.89	67	190
	1480	180LC	94.5	94.0	93.5	83.0	76.5	65.0	39.0	692	142	220	14	154	264	0.1980	8.76	62	205
	975	200LC	93.5	93.5	93.5	82.5	79.5	71.0	39.7	655	215	242	24	198	264	0.5213	23.4	56	295
	740	225MC	93.7	93.0	92.0	73.0	66.0	54.0	44.7	515	284	248	32	160	253	0.8140	46.8	58	375
30	2945	200LA	94.5	94.0	93.0	90.5	91.0	88.5	48.8	717	97.1	187	17	132	275	0.1505	2.43	74	300
	1475	200LC	94.5	94.5	94.5	86.0	84.5	77.0	51.4	798	194	292	11	237	313	0.3628	11.5	62	295
	985	225MC	94.6	94.0	93.5	83.0	79.5	70.0	53.1	574	290	231	29	187	253	0.7558	30.5	60	388
	735	250SC	93.5	93.0	92.0	74.5	68.0	56.0	59.9	701	389	286	20	248	325	1.2345	61.3	65	510
37	2960	200LA	94.9	94.5	93.5	91.0	90.5	87.0	59.6	780	119	215	15	154	303	0.1883	2.98	74	300
	1480	225SC	95.4	95.0	94.5	85.0	82.0	74.0	63.5	724	239	226	17	204	319	0.4740	14.1	66	360
	985	250SC	95.1	94.5	94.5	86.0	82.5	74.0	62.9	715	358	270	24	231	292	1.1400	37.8	63	510
	740	250MC	94.0	93.0	92.0	76.0	70.0	58.5	72.1	680	477	270	20	237	297	1.4173	75.5	68	570
45	2960	225MA	95.6	95.0	94.0	93.0	92.0	87.0	70.4	736	145	165	18	132	352	0.2968	3.53	79	377
	1480	225MC	95.4	95.0	95.0	85.5	82.0	74.0	76.7	665	290	220	14	187	303	0.4948	16.7	66	388
	985	250MC	94.5	94.5	94.0	86.5	84.0	76.0	76.6	764	436	264	20	226	297	1.2765	44.8	63	570
55	2970	250SA	95.8	94.5	94.0	91.5	90.5	87.0	87.3	739	177	165	18	143	346	0.3868	4.32	74	480
	1485	250SC	95.8	95.0	95.0	86.0	83.5	76.5	92.8	744	353	242	16	270	303	0.9778	20.3	70	510
	984	280SC	95.7	95.0	94.3	84.0	81.5	74.0	95.0	684	533	182	22	154	253	2.1250	55.0	73*	750
75	2960	250MA	95.5	95.0	95.0	92.0	91.0	88.0	119.0	693	242	154	14	143	325	0.4540	5.60	79*	540
	1480	250MC	95.7	95.0	95.0	86.0	84.5	79.0	127.0	740	484	242	14	253	275	1.1225	26.8	70*	570
	984	280MC	95.8	95.7	95.3	85.0	82.0	75.0	128.0	684	727	176	27	150	253	2.7750	46.8	73*	850
90	2960	280SA	96.1	95.7	94.8	90.0	88.0	82.0	145.0	755	290	143	11	121	253	0.6750	6.88	80*	660
	1480	280SC	96.2	95.5	94.9	86.5	83.6	77.0	148.0	740	580	176	13	150	253	1.8250	33.0	75*	820
	985	315SC	96.4	95.8	95.2	85.5	82.5	76.0	152.0	720	872	171	31	144	253	4.2750	88.3	73*	980
110	2960	280MA	96.3	95.7	94.7	90.0	88.0	82.0	177.0	763	355	132	11	112	253	0.8000	8.08	80*	720
	1482	280MC	96.4	96.3	95.9	87.5	84.0	77.5	181.0	746	709	154	13	121	253	2.1500	39.0	75*	880
	985	315MC	96.5	96.0	95.3	86.0	83.0	76.5	184.0	734	1068	110	26	99	242	4.9750	105	73*	1070
132	2976	315SA	96.6	95.7	94.9	90.0	88.0	82.0	211.0	754	423	127	28	108	242	1.2750	9.13	82*	900
	1482	315SB	96.7	95.9	95.3	88.0	84.5	78.5	216.0	736	850	154	27	121	242	3.0500	44.0	75*	1000
	986	315MC	96.5	96.0	95.4	86.0	83.0	76.5	221.0	719	1274	110	18	99	242	5.1750	120	73*	1180
150	2976	315MA	96.7	96.1	95.3	90.0	89.0	83.0	240.0	750	481	116	27	100	242	1.4500	10.5	82*	940
	1485	315MC	96.9	96.0	95.7	88.0	84.5	79.0	245.0	735	964	110	26	99	242	3.5500	50.5	75*	1080
185	2982	315MA	97.0	96.3	95.6	90.0	89.0	83.0	295.0	780	592	116	25	100	242	1.5000	12.8	82*	1050
	1486	315MB	97.0	96.0	95.7	88.5	85.0	79.5	300.0	767	1186	110	19	99	242	3.6000	61.8	75*	1150
	1486	315MC	97.0	96.0	95.7	88.5	85.0	79.5	300.0	767	1186	110	19	99	242	3.6000	61.8	75*	1150

- Notes:**
- All figures are based on tests carried out on 415 Volt 3 Phase Motors.
 - Test Method : AS/NZS1359.5 Method B
 - Tolerance : Page 33
 - Mean Sound Pressure Level on no load and 1 metreon mains 50Hz sinusoidal supply, subject to 3dB(A) tolerance.
 - Motor data 8 pole and slower speeds not listed available on request.
 - 185kW motor in D315MC frame with fabricated steel terminal box.
 - Data subject to change without notice.
 - *Low noise option available D280-315M.
 - Larger sizes, please refer to TECO.

Other 50Hz Mains Voltage	380V	400V	440V	525V	550V	690V
Full Load Current multiplication factor (x)	1.092	1.038	0.943	0.790	0.755	0.601