IEEE 841, Three Phase, Totally Enclosed, 460 Volts

1 thru 250 Hp **NEMA 143T thru 449T** **IP56**

Applications: Petro-chemical, pulp and paper, cement, aggregate mining and other process industries requiring premium efficient motors designed, manufactured and tested to exceed IEEE 841-2009 TEFC motor standards for extreme severe duty service.

Features: Meets and/or exceeds all requirements of IEEE Std. 841-2009 including: Totally enclosed cast iron construction, Lower vibration design, Inpro Seals and Positive Lubrication System with oversize bearings on both ends, Stainless Steel nameplates, Terminal lugs on motor leads, Corrosion resistant epoxy finish, NEMA Premium efficiency, Class F insulation with a Class B temperature Rise, 1.15 service factor and 5 year warranty. Final test and vibration results provided with motor. Motors are marked for Div.2/Zone 2, Class I locations and are designed to meet 200° C @ 1.0 Service Factor. Inverter Ready design with speed range and Inverter T. Code nameplate information, see chart on page 51 for specific motor information.

Hp	RPM	NEMA Frame	Enclosure	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes [a]
Foot Mounted												
1	3600	143T	TEFC	ECP83580T-4	1,043	SD	12.88	60	84	460	1.4	1
		143T	TENV	ENCP83580T-4	994	SD	11.37	56	84	460	1.3	1
	1800	143T	TEFC	ECP83581T-4	1,145	SD	12.88	69	87.5	460	1.5	1
		143T	TENV	ENCP83581T-4	1,087	SD	11.37	60	87.5	460	1.5	1
	1200	145T	TEFC	ECP83582T-4	1,228	SD	12.88	69	82.5	460	1.7	1
1 1/2	3600	143T	TEFC	ECP83583T-4	1,120	SD	12.88	69	85.5	460	2	1
	1800	145T	TEFC	ECP83584T-4	1,165	SD	12.87	73	88.5	460	2.1	1
	1200	182T	TEFC	ECP83585T-4	1,414	SD	15.93	114	87.5	460	2.5	1
2	3600	145T	TEFC	ECP83586T-4	1,229	SD	12.88	78	86.5	460	2.4	1
	1800	145T	TEFC	ECP83587T-4	1,217	SD	12.87	78	88.5	460	2.8	1
	1200	184T	TEFC	ECP83664T-4	1,537	SD	15.93	130	88.5	460	3.2	1
3	3600	182T	TEFC	ECP83660T-4	1,465	SD	15.93	116	88.5	460	3.4	1
	1800	182T	TEFC	ECP83661T-4	1,541	SD	15.93	116	89.5	460	4.1	1
	1200	213T	TEFC	ECP83764T-4	2,143	SD	19.50	165	89.5	460	4.5	1
5	3600	184T	TEFC	ECP83663T-4	1,805	SD	15.93	132	89.5	460	5.6	1
	1800	184T	TEFC	ECP83665T-4	1,570	SD	15.93	127	89.5	460	6.6	1
	1200	215T	TEFC	ECP83768T-4	2,215	SD	19.50	193	89.5	460	7.1	1
7 1/2	3600	213T	TEFC	ECP83769T-4	2,356	SD	19.50	179	91.7	460	8.6	1
	1800	213T	TEFC	ECP83770T-4	1,978	SD	19.50	199	91.7	460	9.5	1
	1200	254T	TEFC	ECP82276T-4	3,195	SD	24.78	343	91	460	10.5	1
10	3600	215T	TEFC	ECP83771T-4	2,508	SD	19.50	225	91	460	11.3	1
	1800	215T	TEFC	ECP83774T-4	2,342	SD	19.50	231	91.7	460	12.2	1
	1200	256T	TEFC	ECP82332T-4	4,079	SD	24.78	359	91.7	460	14.1	1
15	3600	254T	TEFC	ECP82394T-4	3,264	SD	24.78	308	91.7	460	17	1
	1800	254T	TEFC	ECP82333T-4	3,015	SD	24.78	317	92.4	460	17.6	1
	1200	284T	TEFC	ECP84100T-4	4,712	SD	27.93	447	92.4	460	20	1
20	3600	256T	TEFC	ECP84106T-4	3,742	SD	24.78	328	91.7	460	22	1
	1800	256T	TEFC	ECP82334T-4	3,260	SD	24.78	350	93	460	23.1	1
	1200	286T	TEFC	ECP84102T-4	6,350	SD	27.93	442	92.4	460	25	1
25	3600	284TS	TEFC	ECP84107T-4	4,575	SD	26.56	430	91.7	460	28.5	1
	1800	284T	TEFC	ECP84103T-4	4,228	SD	27.93	441	93.6	460	29	1
	1200	324T	TEFC	ECP84111T-4	6,692	SD	30.66	638	93	460	32	1
30	3600	286TS	TEFC	ECP84108T-4	5,480	SD	26.56	442	91.7	460	33	1
	1800	286T	TEFC	ECP84104T-4	4,979	SD	27.93	545	93.6	460	35	1
	1200	326T	TEFC	ECP84117T-4	8,709	SD	30.66	637	93	460	38.6	1
40	3600	324TS	TEFC	ECP84109T-4	7,498	SD	29.16	626	92.4	460	44	1
	1800	324T	TEFC	ECP84110T-4	6,629	SD	30.66	629	94.1	460	46	1
	1200	364T	TEFC	ECP84308T-4	10,662	SD	33.49	927	94.1	460	49.4	1

[a] See notes on inside back flap.
All ratings are 1.15 service factor at 40°C ambient.
All ratings meet the intent of IEEE-45 for weather protection, and are suitable for use in a 50°C ambient with a 1.0 service factor.
Cast Iron Frame

IEEE 841, Three Phase, Totally Enclosed, 460 Volts

Hp	RPM	NEMA Frame	Enclosure	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes [a]
50	3600	326TS	TEFC	ECP84114T-4	7,821	SD	29.16	623	93	460	55	1
	1800	326T	TEFC	ECP84115T-4	7,783	SD	30.66	679	94.5	460	57	1
	1200	365T	TEFC	ECP84312T-4	11,355	SD	33.49	928	94.1	460	61.7	1
60	3600	364TS	TEFC	ECP84310T-4	11,558	SD	31.37	905	95	460	65.1	1
	1800	364T	TEFC	ECP84314T-4	10,335	SD	33.49	913	95	460	68	1
	1200	404T	TEFC	ECP84403T-4	14,718	SD	38.32	1271	95	460	69	1
75	3600	365TS	TEFC	ECP84313T-4	12,802	SD	31.37	1045	94.5	460	80.7	1
	1800	365T	TEFC	ECP84316T-4	12,019	SD	33.49	971	95.4	460	85.9	1
	1200	405T	TEFC	ECP84404T-4	17,827	SD	38.20	1327	94.5	460	86.8	1
100	3600	405TS	TEFC	ECP84402T-4	15,341	SD	35.19	1330	95	460	110	1
	1800	405T	TEFC	ECP84400T-4	16,043	SD	38.32	1299	95.4	460	112	1
	1200	444T	TEFC	ECP84409T-4	19,609	SD	44.75	1940	95	460	119	1
		444T	TEFC	ECP84909T-4	19,609	SD	44.75	1933	95	460	119	1, 99
125	3600	444TS	TEFC	ECP84412T-4	17,941	SD	40.98	1968	95	460	137	1
		444TS	TEFC	ECP84412T-4E	17,941	SD	40.88	1679	95.4	460	137	1, 56
		444TS	TEFC	ECP84912T-4	17,941	SD	40.98	1968	95	460	137	1, 99
	1800	444T	TEFC	ECP84410T-4	18,198	SD	44.75	2020	95.4	460	144	1
		444T	TEFC	ECP84410T-4E	18,198	SD	44.62	1746	95.8	460	139	1, 56
		444T	TEFC	ECP84910T-4	18,198	SD	44.75	1779	95.4	460	144	1, 99
	1200	445T	TEFC	ECP84411T-4	22,257	SD	44.75	2083	95	460	146	1
150	3600	445TS	TEFC	ECP84413T-4	20,617	SD	40.98	2053	95	460	164	1
		445TS	TEFC	ECP84413T-4E	20,617	SD	40.88	1910	96.2	460	164	1, 56
		445TS	TEFC	ECP84913T-4	20,617	SD	40.98	2049	95	460	164	1, 99
	1800	445T	TEFC	ECP84406T-4	21,521	SD	44.75	2184	95.8	460	169	1
		445T	TEFC	ECP84906T-4	21,521	SD	44.75	2175	95.8	460	169	1, 99
	1200	447T	TEFC	ECP84415T-4	24,739	SD	48.24	2536	95.8	460	170	1
		447T	TEFC	ECP84415T-4R	25,964	SD	48.24	2615	95.8	460	170	1, 5
		447T	TEFC	ECP84915T-4	24,739	SD	48.24	2598	95.8	460	170	1, 99
		447T	TEFC	ECP84915T-4R	25,964	SD	48.24	2615	95.8	460	170	1, 5, 99
200	3600	447TS	TEFC	ECP84416T-4	27,256	SD	44.48	2433	96.2	460	213	1
	1800	447T	TEFC	ECP84407T-4	25,892	SD	48.24	2582	96.2	460	223	1
		447T	TEFC	ECP84407TR-4	27,119	SD	48.24	2676	96.2	460	223	1, 5
	1200	449T	TEFC	ECP84206T-4	32,865	SD	53.24	3125	95.8	460	225	1
		449T	TEFC	ECP84206TR-4	34,092	SD	53.24	3108	95.8	460	225	1, 5
		449T	TEFC	ECP84920ET-4	32,865	SD	53.24	3085	95.8	460	225	1, 99
		449T	TEFC	ECP84920ETR-4	34,092	SD	53.24	3108	95.8	460	225	1, 5, 99
250	3600	449TS	TEFC	ECP84252T-4	43,915	SD	49.48	2790	96.2	460	266	1
		449TS	TEFC	ECP84925ZT-4	43,915	SD	49.48	2798	96.2	460	266	1, 99
	1800	449T	TEFC	ECP84408T-4	33,052	SD	53.24	2959	96.2	460	276	1
		449T	TEFC	ECP84408TR-4	34,246	SD	53.24	2995	96.2	460	276	1, 5
		449T	TEFC	ECP84908T-4	33,052	SD	53.24	2971	96.2	460	276	1, 99
		449T	TEFC	ECP84908TR-4	34,246	SD	53.24	2995	96.2	460	276	1, 5, 99
	1200	449T	TEFC	ECP84256T-4	46,128	SD	53.24	3125	95.8	460	287	1
C-Face, Foot Mounted												
1	3600	143TC	TEFC	CECP83580T-4	1,087	SD	13.38	63	84	460	1.4	1
		143TC	TENV	CENCP83580T-4	1,039	SD	12.00	61	84	460	1.3	1
	1800	143TC	TEFC	CECP83581T-4	1,190	SD	13.38	71	87.5	460	1.5	1
		143TC	TENV	CENCP83581T-4	1,130	SD	12.00	64	87.5	460	1.5	1
	1200	145TC	TEFC	CECP83582T-4	1,273	SD	13.38	69	82.5	460	1.7	1
1 1/2	3600	143TC	TEFC	CECP83583T-4	1,164	SD	13.38	71	85.5	460	2	1
	1800	145TC	TEFC	CECP83584T-4	1,212	SD	13.38	75	88.5	460	2.1	1
	1200	182TC	TEFC	CECP83667T-4	1,461	SD	16.69	108	87.5	460	2.5	1
2	3600	145TC	TEFC	CECP83586T-4	1,277	SD	13.38	80	86.5	460	2.4	1
	1800	145TC	TEFC	CECP83587T-4	1,262	SD	13.38	78	88.5	460	2.8	1
	1200	184TC	TEFC	CECP83664T-4	1,681	SD	16.69	120	88.5	460	3.2	1

[a] See notes on inside back flap.
All ratings are 1.15 service factor at 40°C ambient.
All ratings meet the intent of IEEE-45 for weather protection, and are suitable for use in a 50°C ambient with a 1.0 service factor.
Cast Iron Frame
Red Catalog Number indicates **NEW** Product.

IEEE 841, Three Phase, Totally Enclosed, 460 Volts

Hp	RPM	NEMA Frame	Enclosure	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes [a]
C-Face, Foot Mounted (continued)												
3	3600	182TC	TEFC	CECP83660T-4	1,552	SD	16.69	121	88.5	460	3.4	1
	1800	182TC	TEFC	CECP83661T-4	1,644	SD	16.69	120	89.5	460	4.1	1
	1200	213TC	TEFC	CECP83764T-4	2,246	SD	20.23	209	89.5	460	4.5	1
5	3600	184TC	TEFC	CECP83663T-4	1,886	SD	16.69	139	89.5	460	5.6	1
	1800	184TC	TEFC	CECP83665T-4	1,653	SD	16.69	131	89.5	460	6.6	1
	1200	215TC	TEFC	CECP83768T-4	2,298	SD	20.23	227	89.5	460	7.1	1
7 1/2	3600	213TC	TEFC	CECP83769T-4	2,445	SD	20.23	179	91.7	460	8.6	1
	1800	213TC	TEFC	CECP83770T-4	2,094	SD	20.23	178	91.7	460	9.5	1
	1200	254TC	TEFC	CECP82276T-4	3,311	SD	25.28	337	91	460	10.5	1
10	3600	215TC	TEFC	CECP83771T-4	2,595	SD	20.23	225	91	460	11.3	1
	1800	215TC	TEFC	CECP83774T-4	2,531	SD	20.23	231	91.7	460	12.2	1
	1200	256TC	TEFC	CECP82332T-4	4,288	SD	25.28	347	91.7	460	14.1	1
15	3600	254TC	TEFC	CECP82394T-4	3,549	SD	25.28	306	91.7	460	17	1
	1800	254TC	TEFC	CECP82333T-4	3,465	SD	25.28	316	92.4	460	17.6	1
	1200	284TC	TEFC	CECP84100T-4	5,162	SD	27.93	448	92.4	460	20	1
20	3600	256TC	TEFC	CECP84106T-4	4,025	SD	25.28	328	91.7	460	22	1
	1800	256TC	TEFC	CECP82334T-4	3,666	SD	25.28	356	93	460	23.1	1
	1200	286TC	TEFC	CECP84102T-4	6,756	SD	27.93	467	92.4	460	25	1
25	3600	284TSC	TEFC	CECP84107T-4	5,490	SD	26.56	433	91.7	460	28.5	1
	1800	284TC	TEFC	CECP84103T-4	5,145	SD	27.93	452	93.6	460	29	1
	1200	324TC	TEFC	CECP84111T-4	7,609	SD	30.66	608	93	460	32	1
30	3600	286TSC	TEFC	CECP84108T-4	6,395	SD	26.56	442	91.7	460	33	1
	1800	286TC	TEFC	CECP84104T-4	5,892	SD	27.93	485	93.6	460	35	1
	1200	326TC	TEFC	CECP84117T-4	9,622	SD	30.66	633	93	460	38.6	1
40	3600	324TSC	TEFC	CECP84109T-4	8,505	SD	29.16	640	92.4	460	44	1
	1800	324TC	TEFC	CECP84110T-4	7,637	SD	30.66	638	94.1	460	46	1
	1200	364TC	TEFC	CECP84308T-4	11,670	SD	33.44	889	94.1	460	49.4	1
50	3600	324TSC	TEFC	CECP84114T-4	8,831	SD	29.16	670	93	460	55	1
	1800	326TC	TEFC	CECP84115T-4	8,790	SD	30.66	683	94.5	460	57	1
	1200	365TC	TEFC	CECP84312T-4	12,362	SD	33.44	920	94.1	460	61.7	1
60	3600	364TSC	TEFC	CECP84310T-4	12,655	SD	31.37	899	95	460	65.1	1
	1800	364TC	TEFC	CECP84314T-4	11,434	SD	33.49	906	95	460	68	1
75	3600	365TSC	TEFC	CECP84313T-4	13,898	SD	31.37	992	95	460	80.7	1
	1800	365TC	TEFC	CECP84316T-4	13,119	SD	33.49	992	95.4	460	85.9	1
C-Face, Footless												
1	3600	143TC	TENV	VENCP83580T-4	985	SD	12.00	56	84	460	1.3	1
	1800	143TC	TENV	VENCP83581T-4	1,063	SD	12.00	58	87.5	460	1.5	1
1 1/2	3600	143TC	TEFC	VECP83583T-4	1,153	SD	14.56	75	85.5	460	2	1
	1800	145TC	TEFC	VECP83584T-4	1,199	SD	14.56	76	88.5	460	2.1	1
2	3600	145TC	TEFC	VECP83586T-4	1,264	SD	14.56	83	86.5	460	2.4	1
	1800	145TC	TEFC	VECP83587T-4	1,250	SD	14.56	79	88.5	460	2.8	1
3	3600	182TC	TEFC	VECP83660T-4	1,536	SD	16.69	116	88.5	460	3.4	1
	1800	182TC	TEFC	VECP83661T-4	1,628	SD	16.69	116	89.5	460	4.1	1
5	3600	184TC	TEFC	VECP83663T-4	1,871	SD	16.69	130	89.5	460	5.6	1
	1800	184TC	TEFC	VECP83665T-4	1,637	SD	16.69	131	89.5	460	6.6	1
7 1/2	3600	213TC	TEFC	VECP83769T-4	2,414	SD	20.24	179	91.7	460	8.6	1
	1800	213TC	TEFC	VECP83770T-4	2,062	SD	20.24	211	91.7	460	9.5	1
10	3600	215TC	TEFC	VECP83771T-4	2,563	SD	20.24	225	91	460	11.3	1
	1800	215TC	TEFC	VECP83774T-4	2,499	SD	20.24	231	91.7	460	12.2	1
15	3600	254TC	TEFC	VECP82394T-4	3,403	SD	25.28	293	91.7	460	17	1
	1800	254TC	TEFC	VECP82333T-4	3,318	SD	25.28	311	92.4	460	17.6	1
20	3600	256TC	TEFC	VECP84106T-4	3,879	SD	25.28	319	91.7	460	22	1
	1800	256TC	TEFC	VECP82334T-4	3,517	SD	25.28	355	93	460	23.1	1

[a] See notes on inside back flap.
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All ratings meet the intent of IEEE-45 for weather protection, and are suitable for use in a 50°C ambient with a 1.0 service factor.
Cast Iron Frame
Red Catalog Number indicates **NEW** Product.