

IEEE 841, Three Phase, TEFC, 575 Volts, Foot Mounted

1 thru 250 Hp

NEMA 143T thru 449T

IP56

Applications: Designed for 600V distibution systems for use in 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	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	ECP83580T-5	1,043	SD	12.88	53	84	575	1.1	1
	1800	143T	ECP83581T-5	1,145	SD	12.87	67	87.5	575	1.2	1
	1200	145T	ECP83582T-5	1,228	SD	12.88	69	82.5	575	1.4	1
1 1/2	3600	143T	ECP83583T-5	1,120	SD	12.88	71	85.5	575	1.6	1
	1800	145T	ECP83584T-5	1,165	SD	12.87	73	88.5	575	1.7	1
	1200	182T	ECP83667T-5	1,414	SD	15.93	112	87.5	575	2	1
2	3600	145T	ECP83586T-5	1,161	SD	12.88	79	86.5	575	1.9	1
	1800	145T	ECP83587T-5	1,217	SD	12.87	77	88.5	575	2.3	1
	1200	184T	ECP83664T-5	1,537	SD	15.93	128	88.5	575	2.5	1
3	3600	182T	ECP83660T-5	1,465	SD	15.93	116	88.5	575	2.7	1
	1800	182T	ECP83661T-5	1,541	SD	15.93	118	89.5	575	3.3	1
	1200	213T	ECP83764T-5	2,143	SD	19.50	211	89.5	575	3.6	1
5	3600	184T	ECP83663T-5	1,805	SD	15.93	130	89.5	575	4.5	1
	1800	184T	ECP83665T-5	1,570	SD	15.93	127	89.5	575	5.3	1
	1200	215T	ECP83768T-5	2,215	SD	19.50	226	89.5	575	5.7	1
7 1/2	3600	213T	ECP83769T-5	2,356	SD	19.50	179	91.7	575	6.9	1
	1800	213T	ECP83770T-5	1,978	SD	19.50	199	91.7	575	7.6	1
	1200	254T	ECP82276T-5	3,352	SD	24.78	348	91.7	575	8.4	1
10	3600	215T	ECP83771T-5	2,508	SD	19.50	225	90.2	575	9	1
	1800	215T	ECP83774T-5	2,342	SD	19.50	231	91.7	575	9.8	1
	1200	256T	ECP82332T-5	4,079	SD	24.78	355	91.7	575	11.4	1
15	3600	254T	ECP82394T-5	3,264	SD	24.78	305	91.7	575	13.8	1
	1800	254T	ECP82333T-5	3,015	SD	24.78	318	92.4	575	14.1	1
	1200	284T	ECP84100T-5	4,712	SD	27.93	445	92.4	575	15.6	1
20	3600	256T	ECP84106T-5	3,742	SD	24.78	324	91.7	575	17.8	1
	1800	256T	ECP82334T-5	3,260	SD	24.78	361	93	575	19	1
	1200	286T	ECP84102T-5	6,350	SD	27.93	443	92.4	575	21	1
25	3600	284TS	ECP84107T-5	4,575	SD	26.56	429	91.7	575	22.8	1
	1800	284T	ECP84103T-5	4,228	SD	27.93	443	93.6	575	23	1
	1200	324T	ECP84111T-5	6,692	SD	30.66	623	93	575	25.4	1
30	3600	286TS	ECP84108T-5	5,480	SD	26.56	422	91.7	575	26.6	1
	1800	286T	ECP84104T-5	4,979	SD	27.93	480	93.6	575	28	1
	1200	326T	ECP84117T-5	8,709	SD	30.66	635	93	575	30.9	1
40	3600	324TS	ECP84109T-5	7,498	SD	29.16	624	92.4	575	35	1
	1800	324T	ECP84110T-5	6,629	SD	30.66	635	94.5	575	37	1
	1200	364T	ECP84308T-5	10,662	SD	33.49	922	94.1	575	39.5	1
50	3600	326TS	ECP84114T-5	7,821	SD	29.16	662	93	575	44	1
	1800	326T	ECP84115T-5	7,783	SD	30.66	653	94.5	575	45	1
	1200	365T	ECP84312T-5	11,355	SD	33.49	924	94.1	575	49.3	1

(a) See notes on inside back flap.

Cast Iron Frame

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.

IEEE 841, Three Phase, TEFC, 575 Volts, Foot Mounted

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	“C” Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes ^(a)
60	3600	364TS	ECP84310T-5	11,558	SD	31.37	932	95	575	52	1
	1800	364T	ECP84314T-5	10,335	SD	33.49	937	95	575	54.4	1
	1200	404T	ECP84403T-5	14,718	SD	38.20	1275	95	575	55.2	1
75	3600	365TS	ECP84313T-5	12,802	SD	31.37	998	95	575	64.5	1
	1800	365T	ECP84316T-5	12,019	SD	33.49	985	95.4	575	68.7	1
	1200	405T	ECP84404T-5	17,827	SD	38.32	1283	94.5	575	69.4	1
100	3600	405TS	ECP84402T-5	15,341	SD	35.31	1287	95	575	88	1
	1800	405T	ECP84400T-5	16,043	SD	38.20	1304	95.4	575	89.6	1
	1200	444T	ECP84409T-5	19,609	SD	44.75	1885	95	575	92	1
125	3600	444TS	ECP84412T-5	17,941	SD	40.98	1799	95.4	575	109	1
		444TS	ECP84412T-5E	17,941	SD	40.88	1740	95.4	575	109	1, 56
	1800	444T	ECP84410T-5	18,198	SD	44.75	1915	95.8	575	111	1
		444T	ECP84410T-5E	18,198	SD	44.62	1802	95.8	575	111	1, 56
	1200	445T	ECP84411T-5	22,257	SD	44.75	2000	95.4	575	114	1
150	3600	445TS	ECP84413T-5	20,617	SD	40.98	2062	96.2	575	131	1
	1800	445T	ECP84406T-5	21,521	SD	44.75	1886	96.2	575	132	1
		445T	ECP84406T-5E	21,521	SD	44.62	1879	96.2	575	132	1, 56
	1200	447T	ECP844156T-5	25,964	SD	48.24	2595	95.8	575	136	1, 5
		447T	ECP849156TR-5	25,964	SD	48.24	2000	95.8	575	136	1, 5, 99
200	3600	447TS	ECP84416T-5	27,256	SD	44.48	2182	96.2	575	177	1
	1800	447T	ECP84407T-5	25,892	SD	48.24	2606	96.2	575	178	1
		447T	ECP84407TR-5	27,119	SD	48.24	2618	96.2	575	178	1, 5
		447T	ECP84907T-5	25,892	SD	48.24	2676	96.2	575	178	1, 99
		447T	ECP84907TR-5	27,119	SD	48.24	2676	96.2	575	178	1, 5, 99
250	1200	449T	ECP844206T-5	34,092	SD	53.24	3100	95.8	575	180	1, 5
	3600	449TS	ECP844252T-5	43,915	SD	49.48	2784	96.2	575	212	1
		449TS	ECP849252T-5	43,915	SD	49.48	2595	96.2	575	212	1, 99
	1800	449T	ECP84408T-5	33,052	SD	53.24	2932	96.2	575	220	1
		449T	ECP84408TR-5	34,246	SD	53.24	2732	96.2	575	220	1, 5
		449T	ECP84908T-5	33,052	SD	53.24	2941	96.2	575	220	1, 99
		449T	ECP84908TR-5	34,246	SD	53.24	2677	96.2	575	220	1, 5, 99

C-Face, Foot Mounted

1	1800	143TC	CECP83581T-5	1,190	SD	13.38	71	87.5	575	1.2	1
2	1800	145TC	CECP83587T-5	1,262	SD	13.38	80	88.5	575	2.3	1
3	1800	182TC	CECP83661T-5	1,644	SD	16.69	111	89.5	575	3.3	1
5	1800	184TC	CECP83665T-5	1,653	SD	16.69	131	89.5	575	5.3	1
7 1/2	1800	213TC	CECP83770T-5	2,094	SD	20.23	211	91.7	575	7.6	1
10	1800	215TC	CECP83774T-5	2,531	SD	20.23	231	91.7	575	9.8	1
15	1800	254TC	CECP82333T-5	3,465	SD	25.28	309	92.4	575	14.1	1
20	1800	256TC	CECP82334T-5	3,666	SD	25.28	357	93	575	19	1
25	1800	284TC	CECP84103T-5	5,145	SD	27.93	444	93.6	575	23	1
30	1800	286TC	CECP84104T-5	5,892	SD	27.93	487	93.6	575	28	1
40	1800	324TC	CECP84110T-5	7,637	SD	30.66	670	94.5	575	36.8	1
50	1800	326TC	CECP84115T-5	8,790	SD	30.66	663	94.5	575	45	1

(a) See notes on inside back flap.

Cast Iron Frame

Red Catalog Number indicates **NEW** Product.

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General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

HVAC Motors

Farm Duty Motors