

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

1 thru 250 Hp

NEMA 143T thru 449T

**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:** Built to 841XL design. Upgraded electrical and mechanical design with NEMA Premium® efficient winding. Inpro/Seal® VBX (thru 210 frame) and VBXX bearing isolators on fan and drive end shaft extensions and epoxy paint provides IP56 enclosure. Oversized bearings on both ends of motor with positive lubrication system. Stainless breather drains. Proprietary cast iron frames for reduced vibration and noise. Terminal lugs on motor leads. Final test and vibration results shipped with motor. Enhanced motor nameplate data. 5-year warranty.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status (a)	Notes (a)
<b>Foot Mounted</b>												
1	3600	143T	ECP83580T-5	919	SD	12.88	35	84	575	1.1	A	1, 16
	1800	143T	ECP83581T-5	1,009	SD	12.88	70	85.5	575	1.1	A	1, 16
	1200	145T	ECP83582T-5	1,082	SD	12.88	42	82.5	575	1.4	A	1, 16
1 1/2	3600	143T	ECP83583T-5	987	SD	12.88	68	85.5	575	1.6	A	1, 16
	1800	145T	ECP83584T-5	1,027	SD	12.88	73	86.5	575	1.6	A	1, 16
	1200	182T	ECP83667T-5	1,246	SD	15.62	137	87.5	575	1.9	A	1, 16
2	3600	145T	ECP83586T-5	1,023	SD	12.88	78	86.5	575	1.9	A	1, 16
	1800	145T	ECP83587T-5	1,073	SD	12.88	70	86.5	575	2.2	A	1, 16
	1200	184T	ECP83664T-5	1,155	SD	17.12	143	88.5	575	2.4	A	1, 16
3	3600	182T	ECP83660T-5	1,291	SD	15.62	117	88.5	575	2.9	A	1, 16
	1800	182T	ECP83661T-5	1,358	SD	15.62	137	89.5	575	3.4	A	1, 16
	1200	213T	ECP83764T-5	1,889	SD	19.31	183	89.5	575	3.4	A	1, 16
5	3600	184T	ECP83663T-5	1,591	SD	15.62	129	88.5	575	4.8	A	1, 16
	1800	184T	ECP83665T-5	1,384	SD	17.12	145	89.5	575	5.3	A	1, 16
	1200	215T	ECP83768T-5	1,953	SD	20.19	203	89.5	575	5.4	A	1, 16
7 1/2	3600	213T	ECP83769T-5	2,077	SD	19.31	182	90.2	575	6.9	A	1, 16
	1800	213T	ECP83770T-5	1,744	SD	19.31	202	91.7	575	7.2	A	1, 16
	1200	254T	ECP82276T-5	2,955	SD	24.68	302	91.7	575	8.7	A	1, 16
10	3600	215T	ECP83771T-5	2,211	SD	19.32	225	91.7	575	8.6	A	1, 16
	1800	215T	ECP83774T-5	2,065	SD	19.32	231	91.7	575	9.8	A	1, 16
	1200	256T	ECP82332T-5	3,596	SD	24.68	322	91.7	575	11.5	A	1, 16
15	3600	254T	ECP82394T-5	2,878	SD	24.68	239	91.7	575	13.8	A	1, 16
	1800	254T	ECP82333T-5	2,658	SD	25.06	280	92.4	575	14	A	1, 16
	1200	284T	ECP84100T-5	4,155	SD	27.44	445	92.4	575	14.9	A	1, 16
20	3600	256T	ECP84106T-5	3,299	SD	24.68	310	91.7	575	17.8	A	1, 16
	1800	256T	ECP82334T-5	2,874	SD	25.06	325	93	575	19	A	1, 16
	1200	286T	ECP84102T-5	5,599	SD	27.44	470	92.5	575	19.8	A	1, 16
25	3600	284TS	ECP84107T-5	4,034	SD	26.06	455	93	575	22.4	A	1, 16
	1800	284T	ECP84103T-5	3,728	SD	27.93	420	93.6	575	23.9	A	1, 16
	1200	324T	ECP84111T-5	5,901	SD	30.53	537	93	575	25.3	A	1, 16
30	3600	286TS	ECP84108T-5	4,832	SD	26.06	454	93	575	27.1	A	1, 16
	1800	286T	ECP84104T-5	4,390	SD	27.93	460	93.6	575	28	A	1, 16
	1200	326T	ECP84117T-5	7,679	SD	30.53	630	93	575	29	A	1, 16
40	3600	324TS	ECP84109T-5	6,611	SD	29.03	587	92.4	575	36	A	1, 16
	1800	324T	ECP84110T-5	5,845	SD	30.53	599	94.5	575	37	A	1, 16
	1200	364T	ECP84308T-5	9,401	SD	33.44	865	94.1	575	39.5	A	1, 16
50	3600	326TS	ECP84114T-5	6,896	SD	29.03	633	93	575	45	A	1, 16
	1800	326T	ECP84115T-5	6,863	SD	30.53	633	94.5	575	45.6	A	1, 16
	1200	365T	ECP84312T-5	10,012	SD	33.44	890	94.1	575	49.3	A	1, 16

(a) See notes on inside back flap.

MEETS NRC CANADIAN STANDARDS FOR EFFICIENCY.

■ Cast Iron Frame

General Information

Premium Efficient Super-E® Motors

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors

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	EISA Status (a)	Notes (a)
60	3600	364TS	ECP84310T-5	10,191	SD	31.31	890	95.1	575	52.1	A	1, 16
	1800	364T	ECP84314T-5	9,113	SD	33.44	871	95	575	54.4	A	1, 16
	1200	404T	ECP84403T-5	12,978	SD	38.31	1220	95	575	55.2	A	1, 16
75	3600	365TS	ECP84313T-5	11,288	SD	31.31	978	95	575	64.5	A	1, 16
	1800	365T	ECP84316T-5	10,598	SD	33.44	953	95.4	575	68.7	A	1, 16
	1200	405T	ECP84404T-5	15,719	SD	38.31	1260	94.5	575	69.5	A	1, 16
100	3600	405TS	ECP84402T-5	13,527	SD	38.31	1231	95	575	88	A	1, 16
	1800	405T	ECP84400T-5	14,146	SD	38.31	1330	95.4	575	89.6	A	1, 16
	1200	444T	ECP84409T-5	17,291	SD	44.75	1670	95	575	92	A	1, 16
125	3600	444TS	ECP84412T-5	15,820	SD	40.98	1717	95.4	575	109	A	1, 16
	1800	444T	ECP84410T-5	16,047	SD	44.75	1784	95.8	575	111	A	1, 16
	1200	445T	ECP84411T-5	19,626	SD	44.75	1860	95.5	575	114	A	1, 16
150	3600	445TS	ECP84413T-5	18,180	SD	40.98	1947	96.2	575	131	A	1, 16
	1800	445T	ECP84406T-5	18,977	SD	44.75	1933	96.2	575	132	A	1, 16
	1200	447T	ECP844156TR-5	22,895	SD	48.24	2300	95.8	575	139	A	1, 5, 16
200	3600	445TS	ECP84416T-5	24,034	SD	43.92	1991	96.2	575	177	A	1, 16
	1800	447T	ECP84407T-5	22,831	SD	48.24	2390	96.2	575	176	A	1, 16
		447T	ECP84407TR-5	23,913	SD	48.24	2453	96.2	575	176	A	1, 5, 16
	1200	449T	ECP844206TR-5	30,062	SD	53.24	2590	96.2	575	178	A	1, 5, 16
250	3600	449TS	ECP844252T-5	38,724	SD	49.48	2712	96.2	575	213	B	1, 16
	1800	449T	ECP84408T-5	29,145	SD	53.24	2723	96.2	575	217	B	1, 16
		449T	ECP84408TR-5	30,198	SD	53.24	2727	96.2	575	218	B	1, 5, 16
<b>C-Face, Foot Mounted</b>												
2	1800	145TC	CECP83587T-5	1,112	SD	13.38	70	86.5	575	2.2	A	1, 16
3	1800	182TC	CECP83661T-5	1,449	SD	16.38	147	88.5	575	3	A	1, 16
5	1800	184TC	CECP83665T-5	1,457	SD	17.88	147	89.5	575	5.3	A	1, 16
7 1/2	1800	213TC	CECP83770T-5	1,846	SD	20.06	208	91.7	575	7.5	A	1, 16
10	1800	215TC	CECP83774T-5	2,231	SD	20.06	231	91.7	575	9.8	A	1, 16
15	1800	254TC	CECP82333T-5	3,055	SD	25.19	331	92.4	575	14	A	1, 16
20	1800	256TC	CECP82334T-5	3,232	SD	25.19	344	93	575	19	A	1, 16
25	1800	284TC	CECP84103T-5	4,536	SD	27.93	420	93.6	575	23.9	A	1, 16
30	1800	286TC	CECP84104T-5	5,195	SD	27.93	460	93.6	575	28	A	1, 16
50	1800	326TC	CECP84115T-5	7,751	SD	30.44	725	94.5	575	46.7	A	1, 16

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Cast Iron Frame

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