

BALDOR • RELIANCE

**IEEE 841,
Three Phase,
Totally Enclosed,
460 Volts**

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	Encl.	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status (a)	Notes (a)
Foot Mounted													
1	3600	143T	TEFC	ECP83580T-4	919	SD	12.88	59	84	460	1.4	A	1, 16
		143T	TENV	ENCP83580T-4	876	SD	11.37	38	81.5	460	1.3	C	1, 16
	1800	143T	TEFC	ECP83581T-4	1,009	SD	12.88	66	87.5	460	1.5	A	1, 16
		143T	TENV	ENCP83581T-4	958	SD	11.37	62	85.5	460	1.5	C	1, 16
1 1/2	1200	145T	TEFC	ECP83582T-4	1,082	SD	12.88	71	82.5	460	1.8	A	1, 16
		143T	TEFC	ECP83583T-4	987	SD	12.88	69	85.5	460	2	A	1, 16
	1800	145T	TEFC	ECP83584T-4	1,027	SD	12.87	74	88.5	460	2.1	A	1, 16
		182T	TEFC	ECP83667T-4	1,246	SD	17.12	145	87.5	460	2.4	A	1, 16
2	3600	145T	TEFC	ECP83586T-4	1,083	SD	12.88	75	86.5	460	2.4	A	1, 16
		145T	TEFC	ECP83587T-4	1,073	SD	12.88	76	86.5	460	2.7	A	1, 16
	1200	184T	TEFC	ECP83664T-4	1,155	SD	17.12	143	88.5	460	3	A	1, 16
3	3600	182T	TEFC	ECP83660T-4	1,291	SD	15.62	124	88.5	460	3.6	A	1, 16
		182T	TEFC	ECP83661T-4	1,358	SD	17.12	131	89.5	460	4.2	A	1, 16
	1200	213T	TEFC	ECP83764T-4	1,889	SD	19.31	186	89.5	460	4.2	A	1, 16
5	3600	184T	TEFC	ECP83663T-4	1,591	SD	17.12	131	88.5	460	6	A	1, 16
		184T	TEFC	ECP83665T-4	1,384	SD	17.12	142	89.5	460	6.6	A	1, 16
	1200	215T	TEFC	ECP83768T-4	1,953	SD	20.19	200	89.5	460	6.8	A	1, 16
7 1/2	3600	213T	TEFC	ECP83769T-4	2,077	SD	19.31	180	90.2	460	8.6	A	1, 16
		213T	TEFC	ECP83770T-4	1,744	SD	19.32	185	91.7	460	9.5	A	1, 16
	1200	254T	TEFC	ECP82276T-4	2,817	SD	25.06	305	91.7	460	10.5	A	1, 16
10	3600	215T	TEFC	ECP83771T-4	2,211	SD	19.32	225	91.7	460	10.7	A	1, 16
		215T	TEFC	ECP83774T-4	2,065	SD	19.32	231	91.7	460	12.2	A	1, 16
	1200	256T	TEFC	ECP82332T-4	3,596	SD	25.06	310	91.7	460	14.1	A	1, 16
15	3600	254T	TEFC	ECP82394T-4	2,878	SD	25.06	262	91.7	460	17	A	1, 16
		254T	TEFC	ECP82333T-4	2,658	SD	25.06	280	92.4	460	17.6	A	1, 16
	1200	284T	TEFC	ECP84100T-4	4,155	SD	27.44	442	92.4	460	18.7	A	1, 16
20	3600	256T	TEFC	ECP84106T-4	3,299	SD	25.06	310	91.7	460	22	A	1, 16
		256T	TEFC	ECP82334T-4	2,874	SD	25.06	258	93	460	23.1	A	1, 16
	1200	286T	TEFC	ECP84102T-4	5,599	SD	27.44	458	92.4	460	24.8	A	1, 16
25	3600	284TS	TEFC	ECP84107T-4	4,034	SD	26.06	451	93	460	28.1	A	1, 16
		284T	TEFC	ECP84103T-4	3,728	SD	27.93	519	93.6	460	30	A	1, 16
	1200	324T	TEFC	ECP84111T-4	5,901	SD	30.53	589	93	460	30	A	1, 16
30	3600	286TS	TEFC	ECP84108T-4	4,832	SD	26.06	462	93	460	33.9	A	1, 16
		286T	TEFC	ECP84104T-4	4,390	SD	27.93	460	93.6	460	35	A	1, 16
	1200	326T	TEFC	ECP84117T-4	7,679	SD	30.53	593	93	460	39	A	1, 16
40	3600	324TS	TEFC	ECP84109T-4	6,611	SD	29.03	587	92.4	460	45	A	1, 16
		324T	TEFC	ECP84110T-4	5,845	SD	30.53	592	94.5	460	46	A	1, 16
	1200	364T	TEFC	ECP84308T-4	9,401	SD	33.44	896	94.1	460	49.4	A	1, 16
50	3600	326TS	TEFC	ECP84114T-4	6,896	SD	29.03	633	93	460	56	A	1, 16
		326T	TEFC	ECP84115T-4	6,863	SD	30.53	700	94.5	460	57	A	1, 16
	1200	365T	TEFC	ECP84312T-4	10,012	SD	33.44	889	94.1	460	61.7	A	1, 16

(a) See notes on inside back flap.

All ratings are 1.15 service factor at 40°C ambient. All ratings meet 50°C ambient at 1.00 service factor and weatherproof intent of IEEE 45 and USCG 259 marine duty (below deck).

■ Cast Iron Frame

IEEE 841, Three Phase, Totally Enclosed, 460 Volts

Hp	RPM	NEMA Frame	Encl.	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	TEFC	ECP84310T-4	10,191	SD	31.31	885	95	460	65.1	A	1, 16
	1800	364T	TEFC	ECP84314T-4	9,113	SD	33.44	906	95	460	68	A	1, 16
	1200	404T	TEFC	ECP84403T-4	12,978	SD	38.31	1110	95	460	69	A	1, 16
75	3600	365TS	TEFC	ECP84313T-4	11,288	SD	31.31	938	95	460	80.7	A	1, 16
	1800	365T	TEFC	ECP84316T-4	10,598	SD	33.44	940	95.4	460	85.9	A	1, 16
	1200	405T	TEFC	ECP84404T-4	15,719	SD	38.31	1239	94.5	460	86.9	A	1, 16
100	3600	405TS	TEFC	ECP84402T-4	13,527	SD	35.31	1267	95	460	110	A	1, 16
	1800	405T	TEFC	ECP84400T-4	14,146	SD	38.31	1318	95.4	460	112	A	1, 16
	1200	444T	TEFC	ECP84409T-4	17,291	SD	44.75	1758	95	460	115	A	1, 16
125	3600	444TS	TEFC	ECP84412T-4	15,820	SD	40.98	1707	95.4	460	137	A	1, 16
	1800	444T	TEFC	ECP84410T-4	16,047	SD	44.75	1779	95.8	460	139	A	1, 16
	1200	445T	TEFC	ECP84411T-4	19,626	SD	44.75	1901	95.4	460	143	A	1, 16
150	3600	445TS	TEFC	ECP84413T-4	18,180	SD	40.98	1956	96.2	460	164	A	1, 16, 27
	1800	445T	TEFC	ECP84406T-4	18,977	SD	44.75	1932	96.2	460	165	A	1, 16, 27
	1200	447T	TEFC	ECP844156T-4	21,814	SD	48.24	2355	96.2	460	174	A	1, 16, 27
200	3600	447TS	TEFC	ECP84416T-4	24,034	SD	43.92	2189	96.2	460	222	A	1, 16
		447T	TEFC	ECP84407T-4	22,831	SD	48.24	2388	96.2	460	221	A	1, 16, 27
	1800	447T	TEFC	ECP84407TR-4	23,913	SD	48.24	2464	96.2	460	221	A	1, 5, 16
		449T	TEFC	ECP844206T-4	28,980	SD	53.24	2768	96.2	460	165	A	1, 16, 27
	1200	449T	TEFC	ECP844206TR-4	30,062	SD	53.24	2802	96.2	460	223	A	1, 5, 16
		449TS	TEFC	ECP844252T-4	38,724	SD	49.48	2724	96.2	460	267	B	1, 16
250	1800	449T	TEFC	ECP84408T-4	29,145	SD	53.24	2729	96.2	460	272	B	1, 16, 27
	449T	TEFC	ECP84408TR-4	30,198	SD	53.24	2800	96.2	460	272	B	1, 5, 16	
	1200	449T	TEFC	ECP844256T-4	40,675	SD	53.24	2995	96.2	460	283	B	1, 16, 27

C-Face, Foot Mounted

1	3600	143TC	TEFC	CECP83580T-4	958	SD	13.38	63	84	460	1.4	A	1, 16
		143TC	TENV	CECP83580T-4	916	SD	12.00	56	84	460	1.3	C	1, 16
1 1/2	1800	143TC	TEFC	CECP83581T-4	1,049	SD	13.38	69	87.5	460	1.5	A	1, 16
		143TC	TENV	CECP83581T-4	996	SD	12.00	64	87.5	460	1.5	C	1, 16
2	3600	143TC	TEFC	CECP83583T-4	1,026	SD	13.38	72	85.5	460	2	A	1, 16
		145TC	TEFC	CECP83584T-4	1,068	SD	13.38	75	88.5	460	2.1	A	1, 16
3	1800	145TC	TEFC	CECP83586T-4	1,126	SD	13.38	80	86.5	460	2.4	A	1, 16
		145TC	TEFC	CECP83587T-4	1,112	SD	13.38	78	86.5	460	2.7	A	1, 16
5	3600	182TC	TEFC	CECP83660T-4	1,368	SD	16.38	134	88.5	460	3.6	A	1, 16
		182TC	TEFC	CECP83661T-4	1,449	SD	16.38	143	89.5	460	4.2	A	1, 16
7 1/2	1800	184TC	TEFC	CECP83663T-4	1,663	SD	16.38	142	88.5	460	6	A	1, 16
		184TC	TEFC	CECP83665T-4	1,457	SD	17.88	150	89.5	460	6.6	A	1, 16
10	3600	213TC	TEFC	CECP83769T-4	2,156	SD	20.06	189	90.2	460	8.6	A	1, 16
		213TC	TEFC	CECP83770T-4	1,846	SD	20.06	206	91.7	460	9.4	A	1, 16
15	1800	215TC	TEFC	CECP83771T-4	2,288	SD	20.06	225	91.7	460	10.7	A	1, 16
		215TC	TEFC	CECP83774T-4	2,231	SD	20.06	231	92.4	460	12.5	A	1, 16
20	3600	254TC	TEFC	CECP82394T-4	3,129	SD	25.19	353	91.7	460	17	A	1, 16
		254TC	TEFC	CECP82333T-4	3,055	SD	25.56	330	92.4	460	17.6	A	1, 16
25	1800	256TC	TEFC	CECP84106T-4	3,549	SD	25.19	351	91.7	460	22	A	1, 16
		256TC	TEFC	CECP82334T-4	3,232	SD	25.56	346	93	460	23.1	A	1, 16
30	3600	284TS	TEFC	CECP84107T-4	4,841	SD	26.06	464	93	460	28.1	A	1, 16
		284TC	TEFC	CECP84103T-4	4,536	SD	27.93	422	93.6	460	30.5	A	1, 16
40	1800	286TS	TEFC	CECP84108T-4	5,639	SD	26.06	459	93	460	33.9	A	1, 16
		286TC	TEFC	CECP84104T-4	5,195	SD	27.93	460	93.6	460	35	A	1, 16
50	3600	324TSC	TEFC	CECP84109T-4	7,499	SD	29.03	587	92.4	460	45	A	1, 16
		324TC	TEFC	CECP84110T-4	6,734	SD	30.53	615	94.5	460	46	A	1, 16
		324TC	TEFC	CECP84110T-5	6,734	SD	30.53	600	94.5	575	36.8	A	1, 16
60	1800	324TSC	TEFC	CECP84114T-4	7,787	SD	29.03	633	93	460	56	A	1, 16
		326TC	TEFC	CECP84115T-4	7,751	SD	30.53	700	94.5	460	57	A	1, 16
75	3600	364TS	TEFC	CECP84310T-4	11,159	SD	31.31	925	95	460	65.1	A	1, 16
		364TC	TEFC	CECP84314T-4	10,082	SD	33.44	906	95	460	68	A	1, 16
100	1800	365TSC	TEFC	CECP84313T-4	12,255	SD	31.31	995	95	460	80.7	A	1, 16
		365TC	TEFC	CECP84316T-4	11,568	SD	33.44	979	95.4	460	85.9	A	1, 16

(a) See notes on inside back flap. ■ Cast Iron Frame

All ratings are 1.15 service factor at 40°C ambient. All ratings meet 50°C ambient at 1.00 service factor and weatherproof intent of IEEE 45 and USCG 259 marine duty (below deck).

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

75

IEEE 841, Three Phase, Totally Enclosed, 460 Volts

Hp	RPM	NEMA Frame	Encl.	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status ^(a)	Notes ^(a)
C-Face, Footless													
1	3600	143TC	TENV	VENCP83580T-4	868	SD	12.00	56	84	460	1.3	C	1, 16
	1800	143TC	TENV	VENCP83581T-4	937	SD	12.00	62	87.5	460	1.5	C	1, 16
1 1/2	3600	143TC	TEFC	VECP83583T-4	1,016	SD	14.56	71	85.5	460	2	A	1, 16
	1800	145TC	TEFC	VECP83584T-4	1,057	SD	14.56	75	88.5	460	2.1	A	1, 16
2	3600	145TC	TEFC	VECP83586T-4	1,114	SD	14.56	81	86.5	460	2.4	A	1, 16
	1800	145TC	TEFC	VECP83587T-4	1,102	SD	14.56	77	86.5	460	2.7	A	1, 16
3	3600	182TC	TEFC	VECP83660T-4	1,354	SD	17.88	128	88.5	460	3.6	A	1, 16
	1800	182TC	TEFC	VECP83661T-4	1,435	SD	17.88	141	89.5	460	4.2	A	1, 16
5	3600	184TC	TEFC	VECP83663T-4	1,649	SD	17.88	143	88.5	460	6	A	1, 16
	1800	184TC	TEFC	VECP83665T-4	1,443	SD	16.38	155	88.7	460	6.6	A	1, 16
7 1/2	3600	213TC	TEFC	VECP83769T-4	2,128	SD	20.94	194	90.2	460	8.6	A	1, 16
	1800	213TC	TEFC	VECP83770T-4	1,818	SD	20.94	205	91.7	460	9.4	A	1, 16
10	3600	215TC	TEFC	VECP83771T-4	2,260	SD	20.94	209	91	460	11.1	A	1, 16
	1800	215TC	TEFC	VECP83774T-4	2,203	SD	20.06	231	91.7	460	12.5	A	1, 16
15	3600	254TC	TEFC	VECP82394T-4	3,000	SD	25.19	239	91.7	460	17	A	1, 16
	1800	254TC	TEFC	VECP82333T-4	2,925	SD	25.19	280	92.4	460	17.6	A	1, 16
20	3600	256TC	TEFC	VECP84106T-4	3,420	SD	25.19	310	91.7	460	22	A	1, 16
	1800	256TC	TEFC	VECP82334T-4	3,101	SD	25.19	322	93	460	23.1	A	1, 16

^(a) See notes on inside back flap.

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