

# Severe Duty



# Severe Duty

ABB's Baldor-Reliance severe duty motors are known for robust construction and durability, designed for harsh conditions. They offer high performance, superior protection against dust, moisture and extreme temperatures and meet NEMA efficiency standards. Ideal for heavy-duty industrial applications, they ensure reliability, energy savings and reduced operational costs.



Severe Duty XEX



IEEE 841 XL



661XL / IEEE 841



Dirty Duty Plus, three phase



Quarry duty, three phase



Crusher Duty

Product Line		XEX	841XL	661XL	Dirty Duty Plus	Quarry Duty	Crusher Duty
Frame Sizes	Frame size range for stock products	143T-588	143T-449T	182T-365T	56-256T	145T-215T	180T-588
Electrical features							
Efficiency	Baldor-Reliance motors meet or exceed all efficiency requirements for US, Canada and Mexico regulations	S	S	S	S	S	S
Torque	NEMA Design B torques as a minimum	S	S	S	S	-	-
	NEMA Design C: High torque	-	-	-	-	S	-
	NEMA Design A: High torque design exceed NEMA Design C	-	-	-	-	-	S
Service factor	1.15 service factor – continuous	S	S	S	S	S	-
	1.25 service factor up to 100 Hp, 1.15 service factor over 100 Hp – continuous	-	-	-	-	-	S
Temp rise	Class F insulation with Class B rise @ 1.0 service factor	S	S	S	S	S	S
Inverter	Suitable for inverter use per NEMA MG1 Part 31.4.4.2	S	S	S	S	S	S
Mechanical features							
IP code	IP54 enclosure ingress protection	-	-	-	-	-	-
	IP55 enclosure ingress protection	S	-	-	-	S	S
	IP56 enclosure ingress protection	-	S	S	S	-	-
	IP66 enclosure ingress protection 5000 and 586/7/8 frames	S	-	-	-	-	S
Frame	Steel band frame – cast iron endplates and conduit box, steel fan cover	-	-	-	S	-	-
	Steel band frame – aluminum endplates and conduit box, steel fan cover	-	-	-	-	S	-
	Cast iron frame	S	S	S	-	-	S
	Cast iron frame, endplates, conduit box & fan cover (5000 frames have fabricated steel box and fan covers)	S	S	S	-	-	S
	Vertical lifting provisions for shaft up or down mounting	-	-	S	-	-	-
	Sealed joints between frame and endplates	S	S	S	S	S	S
Shaft seals	Neoprene V-ring slinger – DE & ODE	S	-	-	-	S	S
	Non-contact, rotating labyrinth seal – DE & ODE, 143T-L449T frames	-	S	S	S	-	-
	Non-contact, rotating labyrinth seal – DE & ODE, 5000 frames	S	S	S	S	-	-
	Large dome slinger – DE	-	-	S	-	-	-
Bearings	Ball bearings designs	S	S	-	S	S	S
	Roller bearing designs available for belted applications	S	S	S	-	-	S
Lubrication	Non regreasable, lubed for life, double sealed	-	-	-	S	-	-
	Regreasable with grease inlet fitting and outlet threaded plug or easy access relief on DE & ODE	S	-	-	-	S	S
	Regreasable with PLS lubrication system 140T-449T	-	S	S	-	-	-
Paint	Corrosion resistant 2 part epoxy paint system, epoxy coated rotor and stator	S	S	S	-	S	S
	Salt fog test per ASTM B 117, exceeding:	300 hrs	300 hrs	300 hrs	2,000 hrs	300 hrs	300 hrs
Conduit box	Oversized, lipped cover, threaded NPT inlet	S	S	S	S	S	S
	Terminal strips, with gland plate 5000 and 586/7/8 frame	S	-	-	-	-	S
	Rotatable increments	90 deg	90 deg	90 deg	180 deg	180 deg	90 deg
Nameplate	Stainless steel embossed raised letter	S	S	S	S	-	S
	Stainless steel laser etched letter	S	-	-	-	S	-
Other key features							
Certifications and tests	Nameplate marked Class I, Division 2, Groups A, B, C, D with T2 temperature code or better.	S	S	S	-	-	-
	Meets and exceeds IEEE 841	-	S	S	-	-	-
	Meets and exceeds IEEE 45	-	S	S	S	-	-
	Documented final motor test – ships with motor	-	S	S	-	-	-
Warranty	Warranty – in years from date of manufacture	3	5	5	3	3	3

S = Standard A = Available through Mod Express® or as custom

## Severe Duty XEX

### 1 thru 1000 Hp

#### Features

- Robust cast iron frame construction
- Regreasable bearings all frames
- 304 stainless steel nameplates
- Inverter Duty nameplate
- Division 2, Class I, Groups A, B, C, D markings on nameplate
- Division 2, Class II, Groups F & G, T4 on 5000 frames
- Insulated NDE bearing on 5000 frames
- Class F insulated motor with 1.15 service factor or higher that operates within Class "B" temperature limits at rated horsepower 56 through L449T frames.
- "TR" catalog numbers are standard roller bearing.
- \*IP55 for frame sizes up to L449. IP66 for 586/7/8 frames

#### Applications

- Power generation
- Metals & foundries
- Chemical, oil & gas
- Food processing
- Pulp & paper, forest products
- Water & wastewater treatment
- Cement, aggregate & above ground mining

IP66\*

IP55\*

#### Severe Duty XEX, three phase, totally enclosed, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
1	3600	143T	ECP3580T	1,493	SDM	12.88	59	84.0	230/460	1.4	
	1800	143T	ECP3581T	1,641	SDM	12.88	64	85.5	208-230/460	1.7	30
	1200	145T	ECP3582T	1,812	SDM	12.88	68	82.5	208-230/460	1.7	30
1 1/2	3600	143T	ECP3583T	1,698	SDM	12.88	67	85.5	208-230/460	2.0	30
	1800	145T	ECP3584T	1,671	SDM	12.88	69	88.5	208-230/460	2.1	30
	1200	182T	ECP3667T	2,120	SDM	15.93	108	87.5	208-230/460	2.5	30
2	3600	145T	ECP3586T	1,776	SDM	12.88	74	86.5	208-230/460	2.5	30
	1800	145T	ECP3587T	1,745	SDM	12.88	75	88.5	230/460	2.8	30
	1200	184T	ECP3664T	2,147	SDM	15.93	122	88.5	230/460	3.2	
3	3600	182T	ECP3660T	2,100	SDM	15.93	104	88.5	230/460	3.4	30
	1800	182T	ECP3661T	2,207	SDM	15.93	110	89.5	208-230/460	4.1	30
	1200	213T	ECP3764T	3,098	SDM	19.50	185	90.2	230/460	4.5	30
5	3600	184T	ECP3663T	2,584	SDM	15.93	114	90.2	230/460	5.7	30
	1800	184T	ECP3665T	2,246	SDM	15.93	118	89.5	208-230/460	6.5	30
	1200	215T	ECP3768T	3,140	SDM	19.50	212	90.2	230/460	7.3	30
7 1/2	3600	213T	ECP3769T	3,372	SDM	19.50	169	91.0	230/460	8.6	
	1800	213T	ECP3770T	2,828	SDM	19.50	170	91.7	230/460	9.5	

Cast iron frame

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230/460 volt											
7 1/2	1200	254T	ECP2276T	4,492	SDM	24.78	337	91.0	230/460	10.7	30
10	3600	215T	ECP3771T	3,590	SDM	19.50	203	92.4	230/460	11.0	
	1800	215T	ECP3774T	3,386	SDM	19.50	231	92.4	230/460	12.5	
	1200	256T	ECP2332T	5,836	SDM	24.78	348	91.0	230/460	14.2	30
15	3600	254T	ECP2294T	4,593	SDM	24.78	300	91.0	230/460	17.5	30
	1800	254T	ECP2333T	4,315	SDM	24.78	319	92.4	230/460	18.1	30
	1200	284T	ECP4100T	6,691	SDM	28.00	449	91.7	230/460	21.0	30
20	3600	256T	ECP4106T	5,357	SDM	24.78	331	91.7	230/460	22.0	30
	1800	256T	ECP2334T	4,627	SDM	24.78	334	93.0	230/460	24.0	30
	1200	286T	ECP4102T	9,091	SDM	28.00	437	91.7	230/460	27.0	
25	3600	284TS	ECP4107T	6,438	SDM	26.63	396	91.7	230/460	28.0	30
	1800	284T	ECP4103T	6,055	SDM	28.00	431	93.6	230/460	30.0	30
	1200	324T	ECP4111T	9,500	SDM	30.28	604	93.0	230/460	32.0	30
30	3600	286TS	ECP4108T	7,848	SDM	26.63	396	91.7	230/460	34.0	
	1800	286T	ECP4104T	7,189	SDM	28.00	475	93.6	230/460	38.0	30
	1200	326T	ECP4117T	12,246	SDM	30.28	621	93.0	230/460	39.0	30
40	3600	324TS	ECP4109T	10,781	SDM	29.15	552	93.0	230/460	45.0	
	1800	324T	ECP4110T	9,406	SDM	30.28	618	94.1	230/460	48.0	30
	1200	364T	ECP4308T	14,967	SDM	33.49	903	94.1	230/460	49.4	
50	3600	326TS	ECP4114T	11,298	SDM	29.15	619	93.0	230/460	56.0	30
	1800	326T	ECP4115T	11,040	SDM	30.28	641	94.5	230/460	58.0	30
	1200	365T	ECP4312T	17,722	SDM	33.49	928	94.1	230/460	61.7	
60	3600	364TS	ECP4310T	15,938	SDM	31.37	929	94.5	230/460	65.4	
	1800	364T	ECP4314T	15,761	SDM	33.49	933	95.0	230/460	70.0	
	1200	404T	ECP4403T	22,207	SDM	38.20	1281	95.0	230/460	69.0	
75	3600	365TS	ECP4313T	18,257	SDM	31.37	915	93.6	230/460	80.7	
	1800	365T	ECP4316T	18,134	SDM	33.49	958	95.4	230/460	87.0	
	1200	405T	ECP4404T	27,026	SDM	38.20	1275	95.0	230/460	86.9	
100	3600	405TS	ECP4402T	23,038	SDM	35.04	1283	94.1	230/460	110.0	
125	3600	444TS	ECP4412T	27,071	SDM	41.08	1957	95.0	230/460	138.0	
460 volt											
1	3600	143T	ECP3580T-4	1,493	SDM	12.88	59	84.0	460	1.4	
	1800	143T	ECP3581T-4	1,641	SDM	12.88	61	85.5	460	1.6	
		143T	ENCP3581T-4	1,709	SDM	11.36	56	87.5	460	1.5	60
	1200	145T	ECP3582T-4	1,812	SDM	12.88	69	82.5	460	1.7	
	900	182T	ECP3687T-4	2,545	SDM	15.93	103	78.5	460	2.0	
1 1/2	3600	143T	ECP3583T-4	1,698	SDM	12.88	67	85.5	460	2.0	
	1800	145T	ECP3584T-4	1,671	SDM	12.88	72	86.5	460	2.3	
	1200	182T	ECP3667T-4	2,120	SDM	15.93	108	87.5	460	2.5	
	900	184T	ECP3668T-4	3,167	SDM	15.93	110	80.0	460	3.2	
2	3600	145T	ECP3586T-4	1,776	SDM	12.88	74	86.5	460	2.5	
	1800	145T	ECP3587T-4	1,745	SDM	12.88	73	86.5	460	2.8	
	1200	184T	ECP3664T-4	2,147	SDM	15.93	120	88.5	460	3.2	
	900	213T	ECP3772T-4	3,994	SDM	19.50	179	85.5	460	3.8	
3	3600	182T	ECP3660T-4	2,100	SDM	15.93	106	88.5	460	3.4	
	1800	182T	ECP3661T-4	2,207	SDM	15.93	112	89.5	460	4.1	
	1200	213T	ECP3764T-4	3,098	SDM	19.50	209	89.5	460	4.5	

Cast iron frame

## Severe Duty XEX, three phase, totally enclosed, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
3	900	215T	ECP3775T-4	4,330	SDM	19.50	203	85.5	460	5.2	
	3600	184T	ECP3663T-4	2,584	SDM	15.93	111	89.5	460	5.7	
5	1800	184T	ECP3665T-4	2,246	SDM	15.93	119	89.5	460	6.5	
	1200	215T	ECP3768T-4	3,140	SDM	19.50	227	90.2	460	7.3	
	900	254T	ECP2280T-4	6,892	SDM	24.78	331	87.5	460	8.6	
7 1/2	3600	213T	ECP3769T-4	3,372	SDM	19.50	173	89.5	460	8.9	
	1800	213T	ECP3770T-4	2,828	SDM	19.50	170	91.7	460	9.5	
	1200	254T	ECP2276T-4	4,492	SDM	24.78	337	91.0	460	10.7	
	900	256T	ECP2401T-4	7,881	SDM	24.78	347	86.5	460	12.1	
10	3600	215T	ECP3771T-4	3,590	SDM	19.50	215	92.4	460	11.0	
	1800	215T	ECP3774T-4	3,386	SDM	19.50	211	92.4	460	12.5	
	1200	256T	ECP2332T-4	5,836	SDM	24.78	351	91.7	460	14.2	
	900	284T	ECP2402T-4	9,194	SDM	28.00	468	89.5	460	14.6	
15	3600	254T	ECP2394T-4	4,593	SDM	24.78	297	91.7	460	17.2	
	1800	254T	ECP2333T-4	4,315	SDM	24.78	294	92.4	460	18.1	
	1200	284T	ECP4100T-4	6,691	SDM	28.00	448	91.7	460	21.0	
	900	286T	ECP2395T-4	12,271	SDM	28.00	479	89.5	460	23.0	
20	3600	256T	ECP4106T-4	5,357	SDM	24.78	328	92.4	460	23.0	
	1800	256T	ECP2334T-4	4,627	SDM	24.78	333	93.0	460	24.0	
	1200	286T	ECP4102T-4	9,091	SDM	28.00	449	91.7	460	27.0	
	900	324T	ECP4112T-4	13,989	SDM	30.66	600	90.2	460	30.0	
25	3600	284TS	ECP4107T-4	6,438	SDM	26.63	342	91.7	460	28.0	
	1800	284T	ECP4103T-4	6,055	SDM	28.00	435	93.6	460	30.0	
	1200	324T	ECP4111T-4	9,500	SDM	30.28	608	93.0	460	32.0	
	900	326T	ECP4124T-4	17,469	SDM	30.66	612	90.2	460	37.0	
30	3600	286TS	ECP4108T-4	7,848	SDM	26.63	396	91.7	460	34.0	
	1800	286T	ECP4104T-4	7,189	SDM	28.00	470	93.6	460	38.0	
	1200	326T	ECP4117T-4	12,246	SDM	30.28	633	93.0	460	39.0	
	900	364T	ECP4113T-4	18,472	SDM	33.49	813	92.4	460	39.3	
40	3600	324TS	ECP4109T-4	10,781	SDM	29.15	635	93.0	460	46.0	
	1800	324T	ECP4110T-4	9,406	SDM	30.28	594	94.1	460	48.0	
	1200	364T	ECP4308T-4	14,967	SDM	33.49	893	94.1	460	49.4	
	900	365T	ECP4315T-4	21,240	SDM	33.44	905	93.0	460	52.0	
50	3600	326TS	ECP4114T-4	11,298	SDM	29.15	610	93.0	460	56.0	
	1800	326T	ECP4115T-4	11,040	SDM	30.28	668	94.5	460	58.0	
	1200	365T	ECP4312T-4	17,722	SDM	33.49	920	94.1	460	61.7	
	900	405T	ECP4417T-4	26,174	SDM	38.20	1216	93.0	460	63.0	
60	3600	364TS	ECP4310T-4	15,938	SDM	31.37	882	95.0	460	65.1	
	1800	364T	ECP4314T-4	15,761	SDM	33.49	941	95.0	460	70.0	
	1200	404T	ECP4403T-4	22,207	SDM	38.20	1275	95.0	460	69.0	
	900	404T	ECP4403TR-4	23,329	SDM	38.20	1375	94.5	460	67.3	
75	3600	405T	ECP4418T-4	30,696	SDM	38.20	1216	93.0	460	76.0	
	3600	365TS	ECP4313T-4	18,257	SDM	31.37	990	94.5	460	80.7	
	1800	365T	ECP4316T-4	18,134	SDM	33.49	966	95.4	460	86.0	
	1800	365T	ECP4316TR-4	19,116	SDM	33.44	958	95.4	460	85.9	
	1200	405T	ECP4404T-4	27,026	SDM	38.20	1334	94.5	460	87.0	
		405T	ECP4404TR-4	28,148	SDM	38.20	1334	94.5	460	86.5	

Cast iron frame



**Severe Duty XEX, three phase, totally enclosed, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
75	900	444T	ECP4419T-4	37,898	SDM	44.75	1932	94.5	460	89.3	
	3600	405TS	ECP4402T-4	23,038	SDM	35.04	1272	95.0	460	110.0	
100	1800	405T	ECP4400T-4	22,695	SDM	38.20	1366	95.4	460	115.0	
		405T	ECP4400TR-4	23,818	SDM	38.20	1326	95.4	460	112.0	
	1200	405TS	ECP4400TS-4	22,695	SDM	35.04	1304	95.4	460	112.0	
		444T	ECP4409T-4	29,726	SDM	44.75	1871	95.0	460	119.0	
	900	444T	ECP4409TR-4	31,656	SDM	44.75	1871	95.0	460	119.0	
		445T	ECP4420T-4	44,236	SDM	44.75	1905	93.6	460	125.0	
125	3600	444TS	ECP4412T-4	27,071	SDM	40.83	1901	95.0	460	137.0	
		444T	ECP4410T-4	26,831	SDM	44.75	1950	95.4	460	144.0	
	1800	444T	ECP4410TR-4	28,761	SDM	44.75	1950	95.4	460	144.0	
		445T	ECP4411T-4	33,582	SDM	44.75	2118	95.0	460	146.0	
	1200	445T	ECP4411TR-4	35,512	SDM	44.75	2146	95.0	460	146.0	
		447T	ECP4421T-4	48,448	SDM	48.24	2330	95.0	460	149.0	
150	3600	445TS	ECP4413T-4	31,737	SDM	40.83	2017	95.0	460	164.0	
		445T	ECP4406T-4	31,432	SDM	44.75	2190	95.8	460	169.0	
	1800	445T	ECP4406TR-4	33,362	SDM	44.75	2182	95.8	460	169.0	
		447T	ECP44156T-4	37,862	SDM	48.24	2546	95.8	460	170.0	
	1200	447T	ECP44156TR-4	39,791	SDM	48.24	2585	95.8	460	170.0	
		449T	ECP4422T-4	55,666	SDM	53.24	3051	95.0	460	188.0	
200	3600	447TS	ECP4416T-4	37,579	SDM	44.48	2436	96.2	460	213.0	
		447T	ECP4407T-4	37,812	SDM	48.24	2572	96.2	460	222.0	
	1800	447T	ECP4407TR-4	39,739	SDM	48.24	2621	96.2	460	222.0	
		447TS	ECP4407TS-4	37,812	SDM	44.48	2573	96.2	460	222.0	
	1200	449T	ECP44206T-4	49,596	SDM	53.24	3011	95.8	460	225.0	
		449T	ECP44206TR-4	51,523	SDM	53.24	3091	95.8	460	225.0	
250	3600	449T	ECP4423T-4	70,655	SDM	53.24	3179	95.0	460	248.0	
		449TS	ECP44252T-4	57,466	SDM	49.71	2633	95.8	460	269.0	
	1800	449T	ECP4408T-4	47,983	SDM	53.24	2981	96.2	460	276.0	
		449T	ECP4408TR-4	49,910	SDM	53.24	2995	96.2	460	276.0	
	1200	449T	ECP44256T-4	69,188	SDM	53.24	3090	96.2	460	283.0	
		449T	ECP44256TR-4	71,115	SDM	53.24	3093	95.8	460	287.0	
300	900	5008L	ECP502506-PP4	57,589	ISD	60.17	3682	96.2	460	296.0	
		L449T	ECP49258T-4	85,552	SDM	60.13	3430	95.0	460	288.0	26
	3600	449TS	ECP44302T-4	83,987	SDM	49.71	2789	96.2	460	318.0	
		5008S	ECP503002-PP4	56,380	ISD	60.17	3791	97.3	460	327.0	
	1800	449T	ECP44304T-4	66,134	SDM	53.24	3061	96.2	460	334.0	
		449T	ECP44304TR-4	68,063	SDM	53.24	3052	96.2	460	334.0	
350	1200	5008S	ECP503004-PP4	52,910	ISD	60.17	3902	97.3	460	330.0	
		5010L	ECP503006-PP4	67,602	ISD	67.05	4277	96.5	460	356.0	
	900	L449T	ECP49306T-4	79,409	SDM	60.13	3125	95.8	460	340.0	26
		5010L	ECP503008-PP4	80,515	ISD	67.05	4564	95.4	460	369.0	
	3600	L449T	ECP49308T-4	91,261	SDM	60.13	3709	95.0	460	378.0	14, 26
		449TS	ECP44352T-4	87,854	SDM	49.71	2965	95.8	460	370.0	
1800	5008S	ECP503502-PP4	62,678	ISD	60.17	4012	97.5	460	380.0		
	5008L	ECP503504-PP4	59,288	ISD	60.17	3902	96.8	460	397.0		
		L449T	ECP49354T-4	79,358	SDM	60.21	3543	96.2	460	384.0	26

Cast iron frame

**Severe Duty XEX, three phase, totally enclosed, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes	
<b>460 volt</b>												
350	1200	5010L	ECP503506-PP4	72,800	ISD	67.05	4607	96.7	460	416.0		
	900	5012L	ECP503508-PP4	87,612	ISD	74.00	5291	95.8	460	437.0		
400	3600	5010S	ECP504002-PP4	68,348	ISD	67.05	4431	97.3	460	439.0		
		L449TS	ECP44402T-4	117,940	SDM	56.72	3091	96.2	460	420.0		
	1800	5008L	ECP504004-PP4	64,799	ISD	60.17	4299	97.8	460	462.0		
		L449T	ECP49404T-4	99,117	SDM	60.21	3731	96.2	460	435.0	26	
450	1200	5012L	ECP504006-PP4	80,635	ISD	74.00	5005	96.7	460	476.0		
		900	5012L	ECP504008-PP4	95,177	ISD	74.00	5667	95.9	460	480.0	
	3600	5010S	ECP504502-PP4	75,723	ISD	67.05	4431	97.3	460	490.0		
		5010L	ECP504504-PP4	71,645	ISD	67.05	4564	97.8	460	511.0		
	1800	L449T	ECP49454T-4	109,031	SDM	60.21	3680	96.2	460	501.0	26	
		1200	5012L	ECP504506-PP4	85,897	ISD	74.00	5445	96.7	460	534.0	
		900	5012L	ECP504508-PP4	98,543	ISD	74.00	5886	96.4	460	560.0	
500	3600	5010S	ECP505002-PP4	82,746	ISD	67.05	4431	97.2	460	542.0		
		5010L	ECP505004-PP4	79,295	ISD	67.05	5163	97.7	460	561.0		
	1200	5012L	ECP505006-PP4	89,530	ISD	74.00	5754	96.5	460	606.0		
		900	5012L	ECP505008-PP4	104,924	ISD	74.00	5886	96.3	460	610.0	
600	3600	5010S	ECP506002-PP4	88,971	ISD	67.05	4652	96.7	460	660.0		
	1800	5012L	ECP506004-PP4	84,300	ISD	74.00	5225	96.8	460	679.0		
800	1800	5012L	ECP509004-PP4	111,818	ISD	74.00	6283	97.0	460	1020.0		
1000	3600	5012L	ECP5010002-PP4	151,449	ISD	74.00	6129	97.3	460	1072.0		
	1800	5012L	ECP5010004-PP4	129,572	ISD	74.00	6330	97.0	460	1121.0		
<b>575 volt</b>												
1	3600	143T	ECP3580T-5	1,493	SDM	12.88	61	84.0	575	1.1		
	1800	143T	ECP3581T-5	1,641	SDM	12.88	65	85.5	575	1.2		
1 1/2	1800	145T	ECP3584T-5	1,671	SDM	12.88	71	86.5	575	1.7		
2	1800	145T	ECP3587T-5	1,745	SDM	12.88	75	86.5	575	2.2		
		3600	182T	ECP3660T-5	2,100	SDM	15.93	107	88.5	575	2.7	
3	1800	182T	ECP3661T-5	2,207	SDM	15.93	113	89.5	575	3.3		
		1200	213T	ECP3764T-5	3,098	SDM	19.50	211	90.2	575	3.6	
	3600	184T	ECP3663T-5	2,584	SDM	15.93	111	89.5	575	4.6		
5	1800	184T	ECP3665T-5	2,246	SDM	15.93	118	89.5	575	5.3		
		1200	215T	ECP3768T-5	3,140	SDM	19.50	196	90.2	575	5.8	
7 1/2	3600	213T	ECP3769T-5	3,372	SDM	19.50	169	91.7	575	6.9		
		1800	213T	ECP3770T-5	2,828	SDM	19.50	170	91.7	575	7.5	
10	1200	254T	ECP2276T-5	4,492	SDM	24.78	333	91.7	575	8.7		
		3600	215T	ECP3771T-5	3,590	SDM	19.50	182	92.4	575	8.9	
	1800	215T	ECP3774T-5	3,386	SDM	19.50	231	92.4	575	10.0		
		1200	256T	ECP2332T-5	5,836	SDM	24.78	347	91.0	575	11.5	
15	3600	254T	ECP2394T-5	4,593	SDM	24.78	239	91.7	575	13.8		
		1800	254T	ECP2333T-5	4,315	SDM	24.78	297	92.4	575	14.6	
	1200	284T	ECP4100T-5	6,691	SDM	28.00	436	91.7	575	17.1		
20	3600	256T	ECP4106T-5	5,357	SDM	24.78	310	91.0	575	17.9		
		1800	256T	ECP2334T-5	4,627	SDM	24.78	325	93.0	575	19.2	
	1200	286T	ECP4102T-5	9,091	SDM	28.00	478	93.0	575	20.6		
25	1800	284T	ECP4103T-5	6,055	SDM	28.00	424	93.6	575	24.0		
		1200	324T	ECP4111T-5	9,500	SDM	30.28	612	93.0	575	25.7	

Cast iron frame

TOC INFO SP4 GP SD WD XP PUMP HVAC DP UH BRM VSAC IMD DCPM DCSW DCSV BUFF LATH GBPA ACPPA ACC DCPA MDEX INDX



## Severe Duty XEX, three phase, totally enclosed, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
575 volt											
30	1800	286T	<b>ECP4104T-5</b>	7,189	SDM	28.00	485	93.6	575	29.0	
	1200	326T	<b>ECP4117T-5</b>	12,246	SDM	30.28	630	93.0	575	30.0	
40	1800	324T	<b>ECP4110T-5</b>	9,406	SDM	30.28	623	94.1	575	37.0	
	1200	364T	<b>ECP4308T-5</b>	15,262	SDM	33.49	910	94.1	575	39.7	
50	1800	326T	<b>ECP4115T-5</b>	11,040	SDM	30.28	652	94.5	575	45.0	
60	1800	364T	<b>ECP4314T-5</b>	15,761	SDM	33.49	936	95.0	575	55.0	
75	3600	365TS	<b>ECP4313T-5</b>	18,257	SDM	31.35	979	93.6	575	65.5	
	1800	365T	<b>ECP4316T-5</b>	18,134	SDM	33.49	966	95.4	575	69.0	
	1200	405T	<b>ECP4404T-5</b>	27,026	SDM	38.19	1322	94.5	575	70.2	
100	1800	405T	<b>ECP4400T-5</b>	22,695	SDM	38.04	1317	95.4	575	89.6	
125	1800	444T	<b>ECP4410T-5</b>	26,831	SDM	44.75	2054	95.4	575	115.0	
	1200	445T	<b>ECP4411T-5</b>	33,582	SDM	44.97	1913	95.0	575	116.0	
150	1800	445T	<b>ECP4406T-5</b>	31,432	SDM	44.75	2175	95.8	575	135.0	
200	1800	447T	<b>ECP4407T-5</b>	37,812	SDM	48.24	2570	96.2	575	178.0	
250	1800	449T	<b>ECP4408T-5</b>	47,983	SDM	53.47	3027	96.2	575	219.0	
300	1800	449T	<b>ECP44304T-5</b>	66,134	SDM	53.47	3150	96.2	575	267.0	
350	1800	L449T	<b>ECP49354T-5</b>	79,358	SDM	60.47	3680	96.2	575	309.0	
400	1800	L449T	<b>ECP49404T-5</b>	99,117	SDM	60.47	3702	96.2	575	356.0	

Cast iron frame

## Severe Duty XEX, three phase, totally enclosed, C-face foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
1	1800	143TC	CECP3581T	1,727	SDM	13.38	67	85.5	208-230/460	1.7	
	1200	145TC	CECP3582T	1,903	SDM	13.38	75	82.5	208-230/460	1.7	
1 1/2	1800	145TC	CECP3584T	1,762	SDM	13.38	72	88.5	208-230/460	2.1	
	1200	182TC	CECP3667T	2,212	SDM	16.68	99	87.5	208-230/460	2.5	
2	1800	145TC	CECP3587T	1,833	SDM	13.38	76	86.5	230/460	2.8	
	1200	184TC	CECP3664T	2,235	SDM	16.68	113	88.5	230/460	3.2	
3	3600	182TC	CECP3660T	2,257	SDM	16.68	112	88.5	230/460	3.4	30
	1800	182TC	CECP3661T	2,366	SDM	16.68	114	89.5	208-230/460	4.1	
3	1200	213TC	CECP3764T	3,257	SDM	20.24	187	90.2	230/460	4.5	30
	3600	184TC	CECP3663T	2,741	SDM	16.68	121	90.2	230/460	5.7	30
5	1800	184TC	CECP3665T	2,403	SDM	16.68	130	89.5	208-230/460	6.5	
	1200	215TC	CECP3768T	3,298	SDM	20.24	226	90.2	230/460	7.3	30
7 1/2	3600	213TC	CECP3769T	3,686	SDM	20.24	173	91.0	230/460	8.6	
	1800	213TC	CECP3770T	3,144	SDM	20.24	170	91.7	230/460	9.5	
7 1/2	1200	254TC	CECP2276T	4,808	SDM	25.28	305	91.0	230/460	10.7	30
	3600	215TC	CECP3771T	3,901	SDM	20.24	203	92.4	230/460	11.0	30
10	1800	215TC	CECP3774T	3,700	SDM	20.24	231	92.4	230/460	12.5	
	1200	256TC	CECP2332T	6,151	SDM	25.28	323	91.0	230/460	14.2	30
15	3600	254TC	CECP2294T	5,509	SDM	25.28	307	91.0	230/460	17.5	30
	1800	254TC	CECP2333T	5,256	SDM	25.28	297	92.4	230/460	18.1	30
15	1200	284TC	CECP4100T	7,633	SDM	28.00	435	91.7	230/460	21.0	30
	3600	256TC	CECP4106T	6,273	SDM	25.28	333	91.7	230/460	22.0	30
20	1800	256TC	CECP2334T	5,571	SDM	25.28	339	93.0	230/460	24.0	30
	1200	286TC	CECP4102T	10,034	SDM	28.00	451	91.7	230/460	27.0	
25	3600	284TSC	CECP4107T	7,652	SDM	26.56	515	91.7	230/460	28.0	30
	1800	286TC	CECP4103T	7,362	SDM	28.00	449	93.6	230/460	30.0	30
25	1200	324TC	CECP4111T	10,808	SDM	30.28	626	93.0	230/460	32.0	30
	3600	286TSC	CECP4108T	9,063	SDM	26.56	454	91.7	230/460	34.0	
30	1800	286TC	CECP4104T	8,497	SDM	28.00	478	93.6	230/460	36.0	30
	1200	326TC	CECP4117T	13,554	SDM	30.28	540	93.0	230/460	39.0	30
40	3600	324TSC	CECP4109T	12,183	SDM	28.84	571	93.0	230/460	45.0	
	1800	324TC	CECP4110T	10,847	SDM	30.28	628	94.1	230/460	48.0	30
40	1200	364TC	CECP4308T	16,493	SDM	33.44	908	94.1	230/460	49.4	
	3600	326TSC	CECP4114T	12,699	SDM	28.84	639	93.0	230/460	56.0	30
50	1800	324TC	CECP4115T	12,482	SDM	30.28	656	94.5	230/460	58.0	30
	1200	365TC	CECP4312T	19,248	SDM	33.44	908	94.1	230/460	61.7	
60	3600	364TSC	CECP4310T	17,464	SDM	31.31	874	93.6	230/460	65.1	
	1800	364TC	CECP4314T	17,287	SDM	33.48	880	95.0	230/460	70.0	
75	3600	365TSC	CECP4313T	19,783	SDM	31.31	886	94.5	230/460	80.7	
	1800	365TC	CECP4316T	19,660	SDM	33.44	905	95.4	230/460	87.0	

Cast iron frame

## Severe Duty XEX, three phase, totally enclosed, C-face foot mounted

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
15	1800	254TC	<b>CECP2333T-4</b>	5,256	SDM	25.28	314	92.4	460	18.1	
20	1800	256TC	<b>CECP2334T-4</b>	5,571	SDM	25.28	336	93.0	460	24.0	
25	1800	284TC	<b>CECP4103T-4</b>	7,362	SDM	28.00	473	93.6	460	30.0	
30	1800	286TC	<b>CECP4104T-4</b>	8,497	SDM	28.00	475	93.6	460	36.0	
60	1800	364TC	<b>CECP4314T-4</b>	16,631	SDM	33.48	961	95.0	460	70.0	
100	3600	405TSC	<b>CECP4402T-4</b>	24,946	SDM	35.04	1327	95.0	460	110.0	
	1800	405TC	<b>CECP4400T-4</b>	25,036	SDM	38.20	1388	95.4	460	112.0	
125	1800	444TC	<b>CECP4410T-4</b>	30,072	SDM	44.96	1669	95.4	460	144.0	
150	1800	445TC	<b>CECP4406T-4</b>	34,673	SDM	44.75	2138	95.8	460	169.0	
200	1800	447TC	<b>CECP4407T-4</b>	41,710	SDM	48.24	2455	96.2	460	222.0	
575 volt											
1	1800	143TC	<b>CECP3581T-5</b>	1,727	SDM	13.38	60	85.5	575	1.2	
1 1/2	1800	145TC	<b>CECP3584T-5</b>	1,762	SDM	13.38	72	86.5	575	1.7	
2	1800	145TC	<b>CECP3587T-5</b>	1,833	SDM	13.38	76	86.5	575	2.3	
3	1800	182TC	<b>CECP3661T-5</b>	2,366	SDM	16.68	111	89.5	575	3.2	
5	1800	184TC	<b>CECP3665T-5</b>	2,403	SDM	16.68	130	90.2	575	5.2	
7 1/2	1800	213TC	<b>CECP3770T-5</b>	3,144	SDM	20.24	170	91.7	575	7.5	
10	1800	215TC	<b>CECP3774T-5</b>	3,700	SDM	20.24	231	91.7	575	9.8	
15	1800	254TC	<b>CECP2333T-5</b>	5,256	SDM	25.28	268	92.4	575	14.6	
20	1800	256TC	<b>CECP2334T-5</b>	5,571	SDM	25.28	350	93.0	575	19.2	
25	1800	286TC	<b>CECP4103T-5</b>	7,362	SDM	27.93	529	93.6	575	24.0	
30	1800	286TC	<b>CECP4104T-5</b>	8,497	SDM	28.00	475	93.6	575	28.0	
60	1800	364TC	<b>CECP4314T-5</b>	16,631	SDM	33.48	886	95.0	575	55.0	

Cast iron frame

**Severe Duty XEX, three phase, totally enclosed, C-face footless**



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
1	1800	56C	<b>VECP3581</b>	1,720	SDM	14.50	66	85.5	208-230/460	1.7	
		143TC	<b>VECP3581T</b>	1,720	SDM	14.56	67	85.5	208-230/460	1.7	
	1200	145TC	<b>VECP3582T</b>	1,894	SDM	14.57	69	82.5	208-230/460	1.7	
1 1/2	1800	145TC	<b>VECP3584T</b>	1,748	SDM	14.56	71	88.5	208-230/460	2.1	
		1200	182TC	<b>VECP3667T</b>	2,249	SDM	16.98	107	87.5	208-230/460	2.5
2	1800	145TC	<b>VECP3587T</b>	1,820	SDM	14.57	75	86.5	230/460	2.8	
		1200	184TC	<b>VECP3664T</b>	2,281	SDM	16.98	121	88.5	208-230/460	3.2
3	1800	182TC	<b>VECP3661T</b>	2,337	SDM	16.98	109	89.5	208-230/460	4.1	
		1200	213TC	<b>VECP3764T</b>	3,364	SDM	21.36	165	90.2	230/460	4.5
5	1800	184TC	<b>VECP3665T</b>	2,378	SDM	16.98	119	89.5	208-230/460	6.5	
		1200	215TC	<b>VECP3768T</b>	3,403	SDM	21.36	225	90.2	230/460	7.3
7 1/2	1800	213TC	<b>VECP3770T</b>	3,090	SDM	21.36	170	91.7	230/460	9.5	
		1200	254TC	<b>VECP2276T</b>	5,332	SDM	27.41	338	91.0	230/460	10.7
10	1800	215TC	<b>VECP3774T</b>	3,650	SDM	21.36	231	92.4	230/460	12.5	
		1200	256TC	<b>VECP2332T</b>	6,674	SDM	27.41	356	91.0	230/460	14.2
15	1800	254TC	<b>VECP2333T</b>	5,154	SDM	27.41	314	92.4	230/460	18.1	30
		1200	284TC	<b>VECP4100T</b>	7,869	SDM	30.70	475	91.7	230/460	21.0
20	1800	256TC	<b>VECP2334T</b>	5,464	SDM	27.41	354	93.0	230/460	24.0	30
		1200	286TC	<b>VECP4102T</b>	10,270	SDM	30.70	503	91.7	230/460	27.0
25	1800	284TC	<b>VECP4103T</b>	7,234	SDM	30.70	515	93.6	230/460	31.0	30
		1200	324TC	<b>VECP4111T</b>	10,809	SDM	33.03	636	93.0	230/460	32.0
460 volt											
1	3600	56C	<b>VECP3580-4</b>	1,573	SDM	14.50	60	84.0	460	1.4	
		56C	<b>VECP3581-4</b>	1,720	SDM	14.50	66	87.5	460	1.5	
	1800	143TC	<b>VECP3581T-4</b>	1,720	SDM	14.57	66	87.5	460	1.5	
1 1/2	3600	143TC	<b>VECP3583T-4</b>	1,775	SDM	14.57	67	85.5	460	2.0	
		1800	145TC	<b>VECP3584T-4</b>	1,748	SDM	14.56	70	86.5	460	2.3
2	3600	145TC	<b>VECP3586T-4</b>	1,858	SDM	14.57	74	86.5	460	2.5	
		1800	145TC	<b>VECP3587T-4</b>	1,820	SDM	14.57	75	86.5	460	2.8
3	3600	182TC	<b>VECP3660T-4</b>	2,230	SDM	16.98	103	88.5	460	3.4	
		1800	182TC	<b>VECP3661T-4</b>	2,337	SDM	16.98	108	89.5	460	4.1
5	3600	184TC	<b>VECP3663T-4</b>	2,715	SDM	16.98	111	89.5	460	5.7	
		1800	184TC	<b>VECP3665T-4</b>	2,378	SDM	16.98	119	89.5	460	6.5
7 1/2	3600	213TC	<b>VECP3769T-4</b>	3,636	SDM	21.36	173	89.5	460	8.9	
		1800	213TC	<b>VECP3770T-4</b>	3,090	SDM	21.36	170	91.7	460	9.5
10	3600	215TC	<b>VECP3771T-4</b>	3,851	SDM	21.36	203	92.4	460	11.0	
		1800	215TC	<b>VECP3774T-4</b>	3,650	SDM	21.36	231	92.4	460	12.5
15	1800	254TC	<b>VECP2333T-4</b>	5,154	SDM	27.41	303	92.4	460	18.1	
20	1800	256TC	<b>VECP2334T-4</b>	5,464	SDM	27.41	356	93.0	460	24.0	

Cast iron frame

## IEEE 841 XL

### 1 thru 300 Hp

#### Features

- Meets and exceeds the requirements of IEEE Std. 841-2021
- Patented PLS lubrication system for bearing longevity
- Inverter Duty nameplate
- Meets IEEE 45 on nameplate
- Division 2, Class I, Groups A, B, C, D markings on nameplate
- IEEE 841 test report ships with the motor
- 5 year warranty
- Class F insulated motor with 1.15 service factor or higher that operates within Class "B" temperature limits at rated horsepower.
- "TR" catalog numbers are standard roller bearing.

#### Applications

- Cement, aggregate & above ground mining
- Chemical, oil & gas
- Coastal marine
- Food processing
- Metals & foundries
- Power generation
- Pulp & paper, forest products

**IP56**

#### IEEE 841XL, three phase, totally enclosed, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
1	3600	143T	ECP83580T-4	1,639	SD8	12.87	60	77.0	460	1.7	
		143T	ENCP83580T-4	1,562	SD8	11.37	56	77.0	460	1.3	60
	1800	143T	ECP83581T-4	1,800	SD8	12.88	69	85.5	460	1.6	
		143T	ENCP83581T-4	1,709	SD8	11.37	60	87.5	460	1.5	60
1 1/2	1200	145T	ECP83582T-4	1,930	SD8	12.87	69	82.5	460	1.7	
	3600	143T	ECP83583T-4	1,760	SD8	12.87	69	85.5	460	2.0	
		1800	145T	ECP83584T-4	1,831	SD8	12.87	73	86.5	460	2.3
2	1200	182T	ECP83667T-4	2,223	SD8	15.93	114	87.5	460	2.5	
		3600	145T	ECP83586T-4	1,932	SD8	12.87	78	85.5	460	2.4
	1800	145T	ECP83587T-4	1,913	SD8	12.87	78	86.5	460	2.8	
3	1200	184T	ECP83664T-4	2,416	SD8	15.93	130	88.5	460	3.2	
		3600	182T	ECP83660T-4	2,303	SD8	15.93	116	86.5	460	3.4
	1800	182T	ECP83661T-4	2,422	SD8	15.93	116	89.5	460	4.1	
5	1200	213T	ECP83764T-4	3,368	SD8	19.50	165	89.5	460	4.5	
		3600	184T	ECP83663T-4	2,837	SD8	15.93	132	88.5	460	5.7
	1800	184T	ECP83665T-4	2,468	SD8	15.93	127	89.5	460	6.5	
7 1/2	1200	215T	ECP83768T-4	3,482	SD8	19.50	193	89.5	460	7.1	
		3600	213T	ECP83769T-4	3,703	SD8	19.50	179	89.5	460	8.9

Cast iron frame

**IEEE 841XL, three phase, totally enclosed, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
7 1/2	1800	213T	<b>ECP83770T-4</b>	3,109	SD8	19.50	199	91.7	460	9.5	
	1200	254T	<b>ECP82276T-4</b>	5,022	SD8	24.78	343	91.0	460	10.5	
10	3600	215T	<b>ECP83771T-4</b>	3,942	SD8	19.50	225	91.0	460	11.3	
	1800	215T	<b>ECP83774T-4</b>	3,681	SD8	19.50	231	91.7	460	12.5	
15	1200	256T	<b>ECP82332T-4</b>	6,411	SD8	24.78	359	91.0	460	14.1	
	3600	254T	<b>ECP82394T-4</b>	5,130	SD8	24.78	295	91.0	460	17.0	
20	1800	254T	<b>ECP82333T-4</b>	4,739	SD8	24.78	317	92.4	460	17.6	
	1200	284T	<b>ECP84100T-4</b>	7,406	SD8	28.00	447	91.7	460	19.4	
25	3600	256T	<b>ECP84106T-4</b>	5,882	SD8	24.78	305	91.0	460	22.0	
	1800	256T	<b>ECP82334T-4</b>	5,124	SD8	24.78	366	93.0	460	23.0	
30	1200	286T	<b>ECP84102T-4</b>	9,981	SD8	28.00	442	91.7	460	26.0	
	3600	284TS	<b>ECP84107T-4</b>	7,191	SD8	26.57	360	91.7	460	28.0	
40	1800	284T	<b>ECP84103T-4</b>	6,646	SD8	28.00	468	93.6	460	29.4	
	1200	324T	<b>ECP84111T-4</b>	10,519	SD8	30.74	638	93.0	460	32.0	
50	3600	286TS	<b>ECP84108T-4</b>	8,614	SD8	26.57	442	91.7	460	34.0	
	1800	286T	<b>ECP84104T-4</b>	7,826	SD8	28.00	545	93.6	460	35.6	
60	1200	326T	<b>ECP84117T-4</b>	13,689	SD8	30.74	637	93.0	460	38.0	
	3600	324TS	<b>ECP84109T-4</b>	11,785	SD8	29.03	626	92.4	460	44.0	
75	1800	324T	<b>ECP84110T-4</b>	10,420	SD8	30.74	629	94.1	460	46.0	
	1200	364T	<b>ECP84308T-4</b>	16,771	SD8	33.49	927	94.1	460	49.4	
100	3600	326TS	<b>ECP84114T-4</b>	12,293	SD8	29.03	623	93.0	460	55.0	
	1800	326T	<b>ECP84115T-4</b>	12,233	SD8	30.74	679	94.5	460	57.0	
125	1200	365T	<b>ECP84312T-4</b>	19,527	SD8	33.49	928	94.1	460	62.0	
	3600	364TS	<b>ECP84310T-4</b>	17,743	SD8	31.37	959	95.0	460	65.1	
150	1800	364T	<b>ECP84314T-4</b>	17,565	SD8	33.49	913	95.0	460	70.0	
	1200	404T	<b>ECP84403T-4</b>	23,134	SD8	38.04	1271	95.0	460	69.0	
200	3600	365TS	<b>ECP84313T-4</b>	20,061	SD8	31.35	970	94.5	460	80.7	
	1800	365T	<b>ECP84316T-4</b>	19,939	SD8	33.49	971	95.4	460	86.8	
250	1200	405T	<b>ECP84404T-4</b>	28,021	SD8	38.20	1327	94.5	460	87.0	
	3600	405TS	<b>ECP84402T-4</b>	24,113	SD8	35.04	1277	95.0	460	110.0	
300	1800	405T	<b>ECP84400T-4</b>	25,217	SD8	38.20	1299	95.4	460	112.0	
	1200	444T	<b>ECP84409T-4</b>	30,822	SD8	44.97	1870	95.0	460	119.0	
350	3600	444T	<b>ECP84409TR-4</b>	32,752	SD8	44.97	1599	95.0	460	119.0	
	1800	444TS	<b>ECP84412T-4</b>	28,200	SD8	41.22	1915	95.0	460	137.0	
400	1200	444T	<b>ECP84410T-4</b>	28,604	SD8	44.97	2005	95.4	460	144.0	
	3600	444T	<b>ECP84410TR-4</b>	30,534	SD8	44.97	1669	95.4	460	144.0	
450	1800	445T	<b>ECP84411T-4</b>	34,984	SD8	44.97	2083	95.0	460	146.0	
	1200	445T	<b>ECP84411TR-4</b>	36,914	SD8	44.97	1874	95.0	460	146.0	
500	3600	445TS	<b>ECP84413T-4</b>	32,406	SD8	41.22	2053	95.0	460	164.0	
	1800	445T	<b>ECP84406T-4</b>	33,827	SD8	44.97	2184	95.8	460	169.0	
550	1200	445T	<b>ECP84406TR-4</b>	35,935	SD8	44.97	1826	95.8	460	169.0	
	3600	447T	<b>ECP844156T-4</b>	38,885	SD8	48.47	2533	95.8	460	170.0	
600	1800	447T	<b>ECP844156TR-4</b>	40,811	SD8	48.46	2537	95.8	460	170.0	
	1200	447TS	<b>ECP84416T-4</b>	42,841	SD8	44.72	2433	96.2	460	213.0	
650	3600	447T	<b>ECP84407T-4</b>	40,698	SD8	48.47	2562	96.2	460	222.0	
	1800	447T	<b>ECP84407TR-4</b>	42,626	SD8	48.46	2608	96.2	460	222.0	

Cast iron frame

TOC INFO SP4 GP SD WD XP PUMP HVAC FARM DP UH BRM VSAC IMD DCPM DCSW GRDS LATH GBPA ACC DCPA MDEX INDX NOTE



## IEEE 841XL, three phase, totally enclosed, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Full Load Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
200	1200	449T	<b>ECP844206T-4</b>	51,658	SD8	53.47	3020	95.8	460	225.0	
		449T	<b>ECP844206TR-4</b>	53,586	SD8	53.27	3108	95.8	460	225.0	
250	3600	449TS	<b>ECP844252T-4</b>	69,026	SD8	49.72	2790	96.2	460	266.0	
		449T	<b>ECP844408T-4</b>	51,952	SD8	53.47	2941	96.2	460	276.0	
	1800	449T	<b>ECP844408TR-4</b>	53,828	SD8	53.27	2995	96.2	460	276.0	
		449T	<b>ECP844256T-4</b>	72,505	SD8	53.47	3102	95.8	460	287.0	
300	1200	449T	<b>ECP844256TR-4</b>	76,579	SD8	53.47	3125	95.8	460	286.0	
		L449T	<b>ECP844306T-4</b>	83,141	SD8	60.47	3708	95.8	460	340.0	
		L449T	<b>ECP844306TR-4</b>	87,297	SD8	60.47	3683	95.8	460	340.0	
575 volt											
1	3600	143T	<b>ECP83580T-5</b>	1,639	SD8	12.87	63	84.0	575	1.1	
		1800	<b>ECP83581T-5</b>	1,800	SD8	12.87	67	85.5	575	1.2	
		1200	<b>ECP83582T-5</b>	1,930	SD8	12.87	69	82.5	575	1.4	
1 1/2	3600	143T	<b>ECP83583T-5</b>	1,760	SD8	12.87	71	85.5	575	1.6	
		1800	<b>ECP83584T-5</b>	1,831	SD8	12.87	73	86.5	575	1.7	
		1200	<b>ECP83667T-5</b>	2,223	SD8	15.93	105	87.5	575	2.0	
2	3600	145T	<b>ECP83586T-5</b>	1,825	SD8	12.87	79	85.5	575	2.0	
		1800	<b>ECP83587T-5</b>	1,913	SD8	12.87	77	86.5	575	2.2	
		1200	<b>ECP83664T-5</b>	2,416	SD8	15.93	128	88.5	575	2.5	
3	3600	182T	<b>ECP83660T-5</b>	2,303	SD8	15.93	116	88.5	575	2.7	
		1800	<b>ECP83661T-5</b>	2,422	SD8	15.93	118	89.5	575	3.3	
		1200	<b>ECP83764T-5</b>	3,368	SD8	19.50	211	89.5	575	3.6	
5	3600	184T	<b>ECP83663T-5</b>	2,837	SD8	15.93	130	88.5	575	4.6	
		1800	<b>ECP83665T-5</b>	2,468	SD8	15.93	127	89.5	575	5.3	
		1200	<b>ECP83768T-5</b>	3,482	SD8	19.50	226	89.5	575	5.7	
7 1/2	3600	213T	<b>ECP83769T-5</b>	3,703	SD8	19.50	179	89.5	575	7.2	
		1200	<b>ECP82276T-5</b>	5,269	SD8	24.78	348	91.0	575	8.4	
		1800	<b>ECP83770T-5</b>	3,109	SD8	19.50	199	91.7	575	7.5	
10	3600	215T	<b>ECP83771T-5</b>	3,942	SD8	19.50	225	90.2	575	9.3	
		1800	<b>ECP83774T-5</b>	3,681	SD8	19.50	231	91.7	575	9.8	
		1200	<b>ECP82332T-5</b>	6,411	SD8	24.78	357	91.7	575	11.4	
15	3600	254T	<b>ECP82394T-5</b>	5,130	SD8	24.78	303	91.0	575	13.7	
		1800	<b>ECP82333T-5</b>	4,739	SD8	24.78	318	92.4	575	14.1	
		1200	<b>ECP84100T-5</b>	7,406	SD8	28.00	451	91.7	575	15.6	
20	3600	256T	<b>ECP84106T-5</b>	5,882	SD8	24.78	324	91.0	575	17.9	
		1800	<b>ECP82334T-5</b>	5,124	SD8	24.78	361	93.0	575	18.3	
		1200	<b>ECP84102T-5</b>	9,981	SD8	28.00	443	91.7	575	21.0	
25	3600	284TS	<b>ECP84107T-5</b>	7,191	SD8	26.57	506	91.7	575	23.0	
		1800	<b>ECP84103T-5</b>	6,646	SD8	28.00	345	93.6	575	23.6	
		1200	<b>ECP84111T-5</b>	10,519	SD8	30.74	638	93.0	575	25.4	
30	3600	286TS	<b>ECP84108T-5</b>	8,614	SD8	26.57	422	91.7	575	27.3	
		1800	<b>ECP84104T-5</b>	7,826	SD8	28.00	489	93.6	575	28.0	
		1200	<b>ECP84117T-5</b>	13,689	SD8	30.74	635	93.0	575	30.0	
40	3600	324TS	<b>ECP84109T-5</b>	11,785	SD8	29.03	624	92.4	575	35.0	
		1800	<b>ECP84110T-5</b>	10,420	SD8	30.74	635	94.1	575	37.0	
		1200	<b>ECP84308T-5</b>	16,771	SD8	33.49	922	94.1	575	41.4	
50	3600	326TS	<b>ECP84114T-5</b>	12,293	SD8	29.03	662	93.0	575	44.2	

Cast iron frame

**IEEE 841XL, three phase, totally enclosed, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
575 volt											
50	1800	326T	<b>ECP84115T-5</b>	12,233	SD8	30.74	653	94.5	575	45.0	
	1200	365T	<b>ECP84312T-5</b>	19,527	SD8	33.49	908	94.1	575	48.0	
60	3600	364TS	<b>ECP84310T-5</b>	17,743	SD8	31.37	932	95.0	575	52.0	
	1800	364T	<b>ECP84314T-5</b>	17,565	SD8	33.49	937	95.0	575	55.0	
	1200	404T	<b>ECP84403T-5</b>	23,134	SD8	38.04	1275	94.5	575	55.2	
75	3600	365TS	<b>ECP84313T-5</b>	20,061	SD8	31.35	1018	94.5	575	64.5	
	1800	365T	<b>ECP84316T-5</b>	19,939	SD8	33.49	985	95.4	575	69.0	
	1200	405T	<b>ECP84404T-5</b>	28,021	SD8	38.04	1284	95.0	575	69.5	
100	3600	405TS	<b>ECP84402T-5</b>	24,113	SD8	35.04	1282	95.0	575	88.0	
	1800	405T	<b>ECP84400T-5</b>	25,217	SD8	38.04	1304	95.4	575	89.6	
	1200	444T	<b>ECP84409T-5</b>	30,822	SD8	44.97	1885	95.0	575	95.0	
125	3600	444TS	<b>ECP84412T-5</b>	28,200	SD8	41.22	1799	95.0	575	110.0	
	1800	444T	<b>ECP84410T-5</b>	28,604	SD8	44.97	1915	95.4	575	115.0	
	1200	445T	<b>ECP84411T-5</b>	34,984	SD8	44.97	2000	95.0	575	117.0	
150	3600	445TS	<b>ECP84413T-5</b>	32,406	SD8	41.22	2062	95.0	575	131.0	
	1800	445T	<b>ECP84406T-5</b>	33,827	SD8	44.97	2010	95.8	575	135.0	
	1200	447T	<b>ECP844156TR-5</b>	40,811	SD8	48.46	2550	95.8	575	136.0	
200	3600	447TS	<b>ECP84416T-5</b>	42,841	SD8	44.72	2182	95.4	575	172.0	
	1800	447T	<b>ECP84407T-5</b>	40,698	SD8	48.47	2606	96.2	575	178.0	
		447T	<b>ECP84407TR-5</b>	42,626	SD8	48.46	2618	96.2	575	178.0	
	1200	449T	<b>ECP844206TR-5</b>	53,586	SD8	53.27	3100	95.8	575	180.0	
250	3600	449TS	<b>ECP844252T-5</b>	69,026	SD8	49.72	2784	96.2	575	212.0	
	1800	449T	<b>ECP84408T-5</b>	51,952	SD8	53.47	2932	96.2	575	220.0	
		449T	<b>ECP84408TR-5</b>	53,828	SD8	53.27	2957	96.2	575	220.0	
300	1200	449T	<b>ECP844256TR-5</b>	76,579	SD8	53.47	3125	95.8	575	229.0	
		L449T	<b>ECP844306TR-5</b>	87,297	SD8	60.47	3683	95.8	575	272.0	

Cast iron frame

NOTE INDX MDEX ACC DCPA ACPA GBPA LATH BUFF GRDS DCSW DCPM IMD VSAC BRM UH DP FARM HVAC PUMP XP WD SD GP SP4 INFO TOC

**IEEE 841XL, three phase, totally enclosed, C-face, foot mounted**



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Full Load Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
1	3600	56C	CECP83580-4	2,105	SD8	14.81	56	77.0	460	1.7	10
		143TC	CECP83580T-4	1,709	SD8	13.38	63	77.0	460	1.7	
		143TC	CENC83580T-4	1,633	SD8	12.00	61	77.0	460	1.3	60
	1800	56C	CECP83581-4	2,267	SD8	14.81	56	85.5	460	1.6	10
		143TC	CECP83581T-4	1,870	SD8	13.38	71	85.5	460	1.6	
		143TC	CENC83581T-4	1,776	SD8	12.00	64	85.5	460	1.5	60
	1200	56C	CECP83582-4	2,397	SD8	14.81	56	82.5	460	1.7	
		145TC	CECP83582T-4	2,001	SD8	13.38	56	82.5	460	1.7	
	1 1/2	3600	143TC	CECP83583T-4	1,830	SD8	13.38	71	85.5	460	2.0
1800		145TC	CECP83584T-4	1,905	SD8	13.38	75	86.5	460	2.3	
1200		182TC	CECP83667T-4	2,296	SD8	16.68	99	87.5	460	2.5	
2	3600	145TC	CECP83586T-4	2,007	SD8	13.38	80	85.5	460	2.4	
	1800	145TC	CECP83587T-4	1,984	SD8	13.38	78	86.5	460	2.7	
	1200	184TC	CECP83664T-4	2,642	SD8	16.68	113	88.5	460	3.2	
3	3600	182TC	CECP83660T-4	2,439	SD8	16.69	121	88.5	460	3.4	
	1800	182TC	CECP83661T-4	2,584	SD8	16.69	120	89.5	460	4.1	
	1200	213TC	CECP83764T-4	3,530	SD8	20.23	211	89.5	460	4.5	
5	3600	184TC	CECP83663T-4	2,964	SD8	16.69	136	88.5	460	5.7	
	1800	184TC	CECP83665T-4	2,598	SD8	16.69	131	89.5	460	6.5	
	1200	215TC	CECP83768T-4	3,612	SD8	20.23	226	89.5	460	7.1	
7 1/2	3600	213TC	CECP83769T-4	3,843	SD8	20.23	179	89.5	460	8.9	
	1800	213TC	CECP83770T-4	3,291	SD8	20.23	178	91.7	460	9.5	
	1200	254TC	CECP82276T-4	5,204	SD8	25.28	346	91.0	460	10.5	
10	3600	215TC	CECP83771T-4	4,079	SD8	20.23	225	91.0	460	11.3	
	1800	215TC	CECP83774T-4	3,978	SD8	20.23	231	91.7	460	12.5	
	1200	256TC	CECP82332T-4	6,709	SD8	25.28	362	91.0	460	14.1	
15	3600	254TC	CECP82394T-4	5,578	SD8	25.28	308	91.0	460	17.0	
	1800	254TC	CECP82333T-4	5,446	SD8	25.28	316	92.4	460	17.6	
	1200	284TC	CECP84100T-4	8,114	SD8	28.00	420	91.7	460	19.4	
20	3600	256TC	CECP84106T-4	6,327	SD8	25.28	328	91.0	460	22.0	
	1800	256TC	CECP82334T-4	5,762	SD8	25.28	233	93.0	460	23.0	
	1200	286TC	CECP84102T-4	10,619	SD8	28.00	460	91.7	460	26.0	
25	3600	284TSC	CECP84107T-4	8,629	SD8	26.57	433	91.7	460	28.0	
	1800	284TC	CECP84103T-4	8,087	SD8	28.00	430	93.6	460	29.4	
	1200	324TC	CECP84111T-4	11,960	SD8	30.66	650	93.0	460	32.0	
30	3600	286TSC	CECP84108T-4	10,052	SD8	26.57	464	91.7	460	34.0	
	1800	286TC	CECP84104T-4	9,261	SD8	28.00	465	93.6	460	35.6	
	1200	326TC	CECP84117T-4	15,124	SD8	30.66	640	93.0	460	38.0	
40	3600	324TSC	CECP84109T-4	13,368	SD8	29.16	587	92.4	460	44.0	
	1800	324TC	CECP84110T-4	12,004	SD8	30.66	600	94.1	460	46.0	
	1200	364TC	CECP84308T-4	18,298	SD8	33.48	944	94.1	460	49.4	

Cast iron frame

**IEEE 841XL, three phase, totally enclosed, C-face, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
<b>460 volt</b>											
50	3600	326TSC	<b>CECP84114T-4</b>	13,881	SD8	29.16	670	93.0	460	55.0	
	1800	326TC	<b>CECP84115T-4</b>	13,816	SD8	30.74	683	94.5	460	57.0	
	1200	365TC	<b>CECP84312T-4</b>	21,053	SD8	33.48	925	94.1	460	62.0	
60	3600	364TSC	<b>CECP84310T-4</b>	19,269	SD8	31.36	899	95.0	460	65.1	
	1800	364TC	<b>CECP84314T-4</b>	19,091	SD8	33.48	920	95.0	460	70.0	
75	3600	365TSC	<b>CECP84313T-4</b>	21,587	SD8	31.36	1007	94.5	460	80.7	
	1800	365TC	<b>CECP84316T-4</b>	21,465	SD8	33.48	993	95.4	460	86.0	
<b>575 volt</b>											
1	1800	143TC	<b>CECP83581T-5</b>	1,870	SD8	13.38	71	85.5	575	1.2	
2	1800	145TC	<b>CECP83587T-5</b>	1,984	SD8	13.38	80	86.5	575	2.2	
3	1800	182TC	<b>CECP83661T-5</b>	2,584	SD8	16.69	122	89.5	575	3.3	
5	1800	184TC	<b>CECP83665T-5</b>	2,598	SD8	16.69	131	89.5	575	5.3	
7 1/2	1800	213TC	<b>CECP83770T-5</b>	3,291	SD8	20.23	211	91.7	575	7.5	
10	1800	215TC	<b>CECP83774T-5</b>	3,978	SD8	20.23	231	91.7	575	9.8	
15	1800	254TC	<b>CECP82333T-5</b>	5,446	SD8	25.28	309	92.4	575	14.1	
20	1800	256TC	<b>CECP82334T-5</b>	5,762	SD8	25.28	357	93.0	575	18.3	
25	1800	284TC	<b>CECP84103T-5</b>	8,087	SD8	28.00	444	93.6	575	23.6	
30	1800	286TC	<b>CECP84104T-5</b>	9,261	SD8	28.00	487	93.6	575	28.0	
40	1800	324TC	<b>CECP84110T-5</b>	12,004	SD8	30.66	670	94.1	575	36.7	
50	1800	326TC	<b>CECP84115T-5</b>	13,816	SD8	30.66	663	94.5	575	45.0	

Cast iron frame

## IEEE 841XL, three phase, totally enclosed, C-face, footless



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
1	3600	143TC	<b>VENCP83580T-4</b>	1,548	SD8	12.00	59	77.0	460	1.3	60
	1800	143TC	<b>VENCP83581T-4</b>	1,671	SD8	12.00	63	87.5	460	1.5	60
1 1/2	3600	143TC	<b>VECP83583T-4</b>	1,812	SD8	14.58	75	85.5	460	2.0	
	1800	145TC	<b>VECP83584T-4</b>	1,885	SD8	14.56	76	86.5	460	2.3	
2	3600	145TC	<b>VECP83586T-4</b>	1,987	SD8	14.58	83	85.5	460	2.4	
	1800	145TC	<b>VECP83587T-4</b>	1,965	SD8	14.56	79	86.5	460	2.8	
3	3600	182TC	<b>VECP83660T-4</b>	2,414	SD8	16.69	121	88.5	460	3.4	
	1800	182TC	<b>VECP83661T-4</b>	2,559	SD8	16.69	117	89.5	460	4.1	
5	3600	184TC	<b>VECP83663T-4</b>	2,941	SD8	16.69	132	88.5	460	5.7	
	1800	184TC	<b>VECP83665T-4</b>	2,573	SD8	16.69	128	89.5	460	6.5	
7 1/2	3600	213TC	<b>VECP83769T-4</b>	3,794	SD8	20.24	179	89.5	460	8.9	
	1800	213TC	<b>VECP83770T-4</b>	3,241	SD8	20.24	211	91.7	460	9.5	
10	3600	215TC	<b>VECP83771T-4</b>	4,029	SD8	20.24	225	91.0	460	11.3	
	1800	215TC	<b>VECP83774T-4</b>	3,928	SD8	20.24	231	91.7	460	12.5	
15	3600	254TC	<b>VECP82394T-4</b>	5,349	SD8	25.28	304	91.0	460	17.0	
	1800	254TC	<b>VECP82333T-4</b>	5,215	SD8	25.28	324	92.4	460	17.6	
20	3600	256TC	<b>VECP84106T-4</b>	6,097	SD8	25.28	341	91.0	460	22.0	
	1800	256TC	<b>VECP82334T-4</b>	5,528	SD8	25.28	355	93.0	460	23.0	

Cast iron frame

## 661XL / IEEE 841

### 5 thru 75 Hp

#### Features

- Exceeds the requirements of IEEE Std. 841-2021
- Roller bearing for belted applications, 40,000 hours L10 life per API 661
- "TR" catalog numbers are standard roller bearing.
- Vertical lifting provisions for shaft up and shaft down mounting
- IP56 enclosure: dome shaft slinger, bronze labyrinth shaft seal, gasketed conduit box and cover
- Division 2, Class I, Groups A, B, C, D markings on nameplate
- IEEE 841 test report ships with the motor
- 5 year warranty
- Meets IEEE 45 on nameplate
- Class F insulated motor with 1.15 service factor or higher that operates within Class "B" temperature limits at rated horsepower.

#### Applications

- Belt driven heat exchangers

IP56

#### 661XL / IEEE 841, three phase, TEFC, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
5	1800	184T	ECP63665T-4	2,468	SD6	15.93	128	89.5	460	6.5	
7 1/2	1800	213T	ECP63770TR-4	3,533	SD6	19.49	195	91.7	460	9.5	
10	1800	215T	ECP63774TR-4	4,104	SD6	19.49	231	91.7	460	12.5	
15	1800	254T	ECP62333TR-4	5,300	SD6	24.86	324	92.4	460	17.6	
20	1800	256T	ECP62334TR-4	5,685	SD6	24.86	355	93.0	460	23.0	
25	1800	284T	ECP64103TR-4	7,350	SD6	28.01	461	93.6	460	30.0	
30	1800	286T	ECP64104TR-4	8,529	SD6	28.01	487	93.6	460	36.0	
40	1800	324T	ECP64110TR-4	11,314	SD6	30.76	600	94.1	460	46.0	
50	1800	326T	ECP64115TR-4	13,131	SD6	30.76	687	94.5	460	57.0	
60	1800	364T	ECP64314TR-4	17,730	SD6	33.48	936	95.0	460	70.0	
75	1800	365T	ECP64316TR-4	20,104	SD6	33.48	976	95.4	460	86.0	

Cast iron frame



## Dirty Duty Plus, three phase

### 1/2 thru 10 Hp

#### Features

- Cast iron endplates & conduit box
- 300 series stainless steel shaft extension
- 2 part epoxy paint system passed 2,000+ hours salt fog test per ASTM B 117
- Permanently lubricated, double sealed ball bearings
- IP56 enclosure includes: labyrinth shaft seals, gasketed conduit box and cover
- Inverter Duty nameplate
- Meets IEEE 45 on nameplate
- Class F insulated motor with 1.15 service factor or higher that operates within Class "B" temperature limits at rated horsepower.

#### Applications

- Chemical, oil & gas
- Coastal marine
- Pulp & paper, forest products

**IP56**

#### Dirty Duty Plus, 3HP, TEFC, foot mounted



Hp	RPM	Frame	Encl.	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt												
1/2	1800	56	TEFC	<b>DM3538</b>	984	SDD	11.35	27	75.5	230/460	0.9	12, 38
3/4	1800	56	TEFC	<b>DM3542</b>	1,028	SDD	12.85	30	74.0	230/460	1.4	12, 38
1	1800	56	TEFC	<b>EDM3546</b>	1,534	SDD	12.29	35	85.5	230/460	1.6	

**Dirty Duty Plus, 3HP, TEFC, C-face foot mounted**

Hp	RPM	Frame	Encl.	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt												
1/2	3600	56C	TEFC	<b>CDM3537</b>	990	SDD	11.35	26	68.0	230/460	0.9	12, 38
	1800	56C	TEFC	<b>CDM3538</b>	1,030	SDD	11.35	29	75.5	230/460	0.9	12, 38
		56C	TENV	<b>CNDM3538</b>	1,030	SDD	11.06	34	78.2	230/460	0.9	12
3/4	1200	56C	TEFC	<b>CDM3539</b>	1,336	SDD	12.85	30	72.0	230/460	1.3	12, 38
	1800	56C	TEFC	<b>CDM3542</b>	1,070	SDD	12.85	33	74.0	230/460	1.4	12, 38
		56C	TENV	<b>CNDM3542</b>	1,070	SDD	11.06	37	82.5	230/460	1.1	
1	1200	56C	TEFC	<b>CDM3543</b>	1,355	SDD	12.23	38	78.5	230/460	1.4	
	3600	56C	TEFC	<b>CEDM3545</b>	1,426	SDD	12.23	39	84.0	230/460	1.4	12
		56C	TEFC	<b>CEDM3546</b>	1,578	SDD	12.23	38	85.5	230/460	1.6	
1	1800	56C	TENV	<b>CNEDM3546</b>	1,578	SDD	12.06	41	85.5	230/460	1.7	
		143TC	TENV	<b>CNEDM3546T</b>	1,594	SDD	13.23	42	85.5	230/460	1.7	
	1200	56C	TEFC	<b>CEDM3556</b>	1,764	SDD	13.28	45	82.5	230/460	1.8	
1 1/2	3600	56C	TEFC	<b>CEDM3550</b>	1,559	SDD	12.23	42	84.0	230/460	1.9	
		56C	TEFC	<b>CEDM3554</b>	1,707	SDD	13.23	42	86.5	230/460	2.3	
	1800	145TC	TEFC	<b>CEDM3554T</b>	1,723	SDD	13.35	41	86.5	230/460	2.3	
145TC		TENV	<b>CNEDM3554T</b>	1,723	SDD	13.00	48	86.5	230/460	2.3		
2	3600	56C	TEFC	<b>CEDM3555</b>	1,668	SDD	13.23	38	85.5	230/460	2.5	
		56C	TEFC	<b>CEDM3558</b>	1,781	SDD	13.23	49	86.5	230/460	2.8	
	1800	145TC	TEFC	<b>CEDM3558T</b>	1,797	SDD	13.35	52	86.5	230/460	2.8	
3	3600	143TC	TEFC	<b>CEDM3559T</b>	1,787	SDD	14.23	59	86.5	230/460	3.6	
	1800	182TC	TEFC	<b>CEDM3611T</b>	1,984	SDD	16.60	90	89.5	230/460	4.2	
	1200	213TC	TEFC	<b>CEDM3704T</b>	3,054	SDD	19.76	154	89.5	230/460	4.6	
5	3600	184TC	TEFC	<b>CEDM3613T</b>	2,122	SDD	16.60	97	88.5	230/460	5.9	
	1800	184TC	TEFC	<b>CEDM3615T</b>	2,029	SDD	18.10	108	89.5	230/460	6.7	
	1200	215TC	TEFC	<b>CEDM3708T</b>	3,329	SDD	21.26	181	89.5	230/460	7.2	
7 1/2	3600	213TC	TEFC	<b>CEDM3709T</b>	3,236	SDD	18.63	138	89.5	230/460	9.0	
	1800	213TC	TEFC	<b>CEDM3710T</b>	3,018	SDD	19.76	146	91.7	230/460	9.5	
10	3600	215TC	TEFC	<b>CEDM3711T</b>	3,268	SDD	18.63	138	90.2	230/460	11.6	
	1800	215TC	TEFC	<b>CEDM3714T</b>	3,287	SDD	21.26	185	91.7	230/460	12.5	

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**Dirty Duty Plus, 3HP, TEFC, C-face footless**


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Hp	RPM	Frame	Encl.	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt												
1/2	3600	56C	TEFC	<b>VDM3537</b>	981	SDD	11.35	25	68.0	230/460	0.9	12, 38
	1800	56C	TEFC	<b>VDM3538</b>	1,015	SDD	11.35	28	75.5	230/460	0.9	12, 38
		56C	TENV	<b>VNDM3538</b>	1,015	SDD	11.06	35	78.2	230/460	0.9	
3/4	3600	56C	TEFC	<b>VDM3541</b>	1,037	SDD	11.35	27	72.0	230/460	1.2	12, 38
	1800	56C	TEFC	<b>VDM3542</b>	1,056	SDD	12.85	31	74.0	230/460	1.4	12, 38
		56C	TENV	<b>VNDM3542</b>	1,056	SDD	11.06	37	82.5	230/460	1.1	
1	3600	56C	TEFC	<b>VEDM3545</b>	1,426	SDD	11.97	28	77.0	230/460	1.6	
	1800	56C	TEFC	<b>VEDM3546</b>	1,578	SDD	12.23	37	85.5	230/460	1.6	
		56C	TENV	<b>VNEDM3546</b>	1,578	SDD	12.06	41	85.5	230/460	1.7	
		143TC	TENV	<b>VNEDM3546T</b>	1,594	SDD	12.12	41	85.5	230/460	1.7	
1 1/2	3600	56C	TEFC	<b>VEDM3550</b>	1,559	SDD	12.23	44	84.0	230/460	1.9	
	1800	56C	TEFC	<b>VEDM3554</b>	1,707	SDD	13.29	42	86.5	230/460	2.3	
		56C	TENV	<b>VNEDM3554</b>	1,707	SDD	12.93	48	86.5	230/460	2.1	
		145TC	TENV	<b>VNEDM3554T</b>	1,723	SDD	12.99	49	86.5	230/460	2.3	
2	3600	56C	TEFC	<b>VEDM3555</b>	1,707	SDD	13.23	41	85.5	230/460	2.5	
		145TC	TEFC	<b>VEDM3555T</b>	1,833	SDD	13.35	41	85.5	230/460	2.5	
	1800	56C	TEFC	<b>VEDM3558</b>	1,781	SDD	13.23	47	86.5	230/460	2.8	
		145TC	TEFC	<b>VEDM3558T</b>	1,797	SDD	13.35	47	86.5	230/460	2.8	
3	3600	145TC	TEFC	<b>VEDM3559T</b>	1,891	SDD	14.23	50	86.5	230/460	3.6	
	1800	182TC	TEFC	<b>VEDM3611T</b>	1,984	SDD	16.60	86	89.5	230/460	4.2	
5	1800	184TC	TEFC	<b>VEDM3615T</b>	2,029	SDD	18.10	91	89.5	230/460	6.7	
7 1/2	1800	213TC	TEFC	<b>VEDM3710T</b>	3,018	SDD	19.76	131	91.7	230/460	9.5	
10	1800	215TC	TEFC	<b>VEDM3714T</b>	3,287	SDD	21.26	147	91.7	230/460	12.0	

## Quarry duty, three phase 2 thru 10 Hp

### Features

- High torque NEMA Design C
- Steel band frame – cast endplates and conduit box, steel fan cover
- IP55 enclosure includes: gasketed conduit box and cover, shaft seal
- Inverter Duty
- Class F insulated motor with 1.15 service factor or higher that operates within Class “B” temperature limits at rated horsepower.
- Usable at 208V

### Applications

- Above ground mining
- Cement
- Bulk material handling
- Belt conveyors and screens
- Aggregate

IP55

### Quarry Duty, three phase, TEFC, foot mounted, Design C, high torque



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
2	1800	145T	<b>EM3558T-9</b>	1,267	SDQ	13.29	45	86.5	230/460	2.9	
3	1800	182T	<b>EM3611T-9</b>	1,485	SDQ	18.04	83	89.5	230/460	4.3	
5	1800	184T	<b>EM3615T-9</b>	1,613	SDQ	18.04	95	89.5	230/460	7.1	35
7 1/2	1800	213T	<b>EM3710T-9</b>	2,180	SDQ	19.02	140	91.7	230/460	10.1	
10	1800	215T	<b>EM3714T-9</b>	2,537	SDQ	21.02	187	91.7	230/460	13.1	35

# Crusher Duty 5 thru 600 Hp

### Features

- High torque NEMA Design A, exceeds NEMA Design C torques
- 1.25 SF up to 100 Hp, 1.15 SF over 100 Hp
- Oversized ball bearings up to 50 Hp, ball and roller bearing designs 60 Hp and up. 586/7/8 frames include oversized roller bearing on DE
- 586/7/8 frames include oversized, insulated ODE bearing and oversized 4.375" shaft
- 304 stainless steel nameplates
- Inverter Duty nameplate
- "TR" catalog numbers are standard roller bearing
- \*IP55 for frame sizes up to L449. IP66 for 586/7/8 frames

### Applications

- Above ground mining
- Cement
- Bulk material handling
- Crushers, belt conveyors and screens
- Aggregate

IP66\*

IP55\*

## Crusher Duty, three phase, TEFC, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
5	1800	184T	ECR9054T	1,160	SDC	15.93	118	89.5	230/460	7.1	12
	1200	215T	ECR9056T	2,002	SDC	19.58	226	89.5	230/460	7.5	12
7 1/2	1800	213T	ECR9074T	1,635	SDC	19.58	231	91.7	230/460	9.3	12
	1200	254T	ECR9076T	3,100	SDC	24.77	302	91.0	230/460	10.9	12
10	1800	215T	ECR9104T	2,004	SDC	19.58	240	91.7	230/460	12.3	12
	1200	256T	ECR9106T	3,601	SDC	24.77	355	91.0	230/460	14.0	12
15	1800	254T	ECR9154T	2,774	SDC	24.77	325	92.4	230/460	18.6	12
	1200	284T	ECR9156T	4,942	SDC	28.00	491	91.7	230/460	19.4	12
20	1800	256T	ECR9204T	3,305	SDC	24.77	366	93.0	230/460	24.0	12
	1200	286T	ECR9206T	5,949	SDC	28.00	465	91.7	230/460	29.0	12
25	1800	284T	ECR9254T	4,119	SDC	28.00	380	93.6	230/460	31.0	12
	1200	324T	ECR9256T	7,113	SDC	30.66	630	93.0	230/460	34.0	12
30	1800	286T	ECR9304T	4,844	SDC	28.00	465	93.6	230/460	37.0	12
	1200	326T	ECR9306T	7,926	SDC	30.66	560	93.0	230/460	42.0	12
40	1800	324T	ECR9404T	6,274	SDC	30.66	645	94.1	230/460	49.0	12
	1200	365T	ECR9406TR	14,690	SDC	33.49	918	94.1	230/460	49.1	12
50	1800	326T	ECR9504T	7,657	SDC	30.66	525	94.5	230/460	61.0	12
	1200	365T	ECR9506TR	15,776	SDC	33.49	930	94.1	230/460	61.9	12

Cast iron frame

**Crusher Duty, three phase, TEFC, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
460 volt											
50	900	404T	ECR9508TR	16,221	SDC	38.20	1322	92.4	230/460	79.4	12
60	1800	364T	ECR9604T	14,518	SDC	33.49	977	95.0	230/460	71.0	12
		364T	ECR9604TR	15,415	SDC	33.49	977	95.0	230/460	71.0	12
	1200	404T	ECR9606TR	17,206	SDC	38.04	1322	94.5	230/460	70.7	12
	900	405T	ECR9608TR	18,343	SDC	38.20	1420	92.4	230/460	93.2	12
75	1800	365T	ECR9754T	16,685	SDC	33.49	962	95.4	230/460	87.5	12
		365T	ECR9754TR	17,582	SDC	33.49	962	95.4	230/460	87.5	12
	1200	405T	ECR9756TR-4	18,106	SDC	38.20	1422	94.5	460	91.0	12
100	900	444T	ECR9758TR-4	22,459	SDC	44.87	2027	93.6	460	98.8	12
		405T	ECR91004T-4	17,552	SDC	38.04	1390	95.4	460	115.0	12
		405T	ECR91004TR-4	17,552	SDC	38.20	1390	95.4	460	115.0	12
		444T	ECR91006TR-4	23,471	SDC	44.75	2100	95.0	460	119.0	12
125	900	445T	ECR91008TR-4	25,045	SDC	44.75	2150	93.6	460	133.0	12
		444T	ECR91254T-4	22,166	SDC	44.75	1964	95.4	460	149.0	1
		444T	ECR91254TR-4	22,166	SDC	44.75	1964	95.4	460	149.0	1
		445T	ECR91256TR-4	26,974	SDC	44.75	1874	95.4	460	153.0	1
150	900	447T	ECR91258TR-4	32,408	SDC	48.24	2380	94.1	460	171.0	1
		445T	ECR91504T-4	26,156	SDC	44.75	2138	95.8	460	168.0	1
		445T	ECR91504TR-4	26,156	SDC	44.75	1996	95.8	460	168.0	1
		447T	ECR91506TR-4	30,990	SDC	48.24	2459	95.8	460	180.0	1
200	900	449T	ECR91508TR-4	37,228	SDC	53.47	2648	94.5	460	203.0	1
		447T	ECR92004T-4	31,679	SDC	48.24	2449	96.2	460	225.0	1
		447T	ECR92004TR-4	31,679	SDC	48.24	2474	96.2	460	225.0	1
		449T	ECR92006TR-4	37,738	SDC	53.24	3125	95.8	460	227.0	1
250	1200	L449T	ECR92008TR-4	46,839	SDC	60.22	3430	94.5	460	277.0	1
		449T	ECR92504T-4	32,131	SDC	53.24	2780	96.2	460	278.0	
		449T	ECR92504TR-4	32,131	SDC	53.24	2694	96.2	460	278.0	
	900	449T	ECR92506TR-4	43,220	SDC	53.24	3225	95.8	460	283.0	
		586/7TZ	ECR582506-PPN	43,998	ICR	65.72	4300	95.8	460	295.0	1
		586/7T	ECR582508-PP	56,184	ICR	65.72	4640	95.0	460	312.0	1
300	1800	L449T	ECR92508TR-4	59,124	SDC	60.22	3732	95.0	460	359.0	
		449T	ECR93004T-4	45,024	SDC	53.24	2888	96.2	460	336.0	
		449T	ECR93004TR-4	45,024	SDC	53.24	2888	96.2	460	336.0	
	1200	586/7TZ	ECR583004-PPN	40,623	ICR	65.72	4141	96.2	460	343.0	1
		586/7TZ	ECR583006-PPN	51,626	ICR	65.72	4439	95.8	460	352.0	1
		L449T	ECR93006TR-4	56,473	SDC	60.21	3683	95.8	460	381.0	
350	900	586/7T	ECR583008-PP	60,954	ICR	65.72	4806	95.0	460	379.0	1
		449T	ECR93504T-4	49,861	SDC	53.24	3027	96.2	460	390.0	
		449T	ECR93504TR-4	49,861	SDC	53.24	3149	96.2	460	390.0	
	1200	586/7TZ	ECR583504-PPN	44,980	ICR	65.72	4307	96.2	460	396.0	1
		586/7TZ	ECR583506-PPN	55,931	ICR	65.72	4806	95.8	460	407.0	1
		L449T	ECR93506TR-4	62,747	SDC	60.21	3683	95.8	460	433.0	
400	900	586/7T	ECR583508-PP	67,192	ICR	65.72	4806	95.2	460	436.0	1
		586/7TZ	ECR584004-PPN	49,424	ICR	65.72	4718	96.2	460	452.0	1
		L449T	ECR94004T-4	57,979	SDC	53.24	3875	96.2	460	442.0	
		L449T	ECR94004TR-4	57,979	SDC	60.21	3875	96.2	460	442.0	
1200	586/7TZ	ECR584006-PPN	61,589	ICR	65.72	4806	95.0	460	465.0	1	

Cast iron frame

NOTE INDX MDEX ACC DCPA ACPA GBPA LATH BUFF GRDS DCSW DCPM IMD VSAC BRM UH DP FARM HVAC PUMP XP WD SD GP SP4 INFO TOC



**Crusher Duty, three phase, TEFC, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
<b>460 volt</b>											
450	1800	586/7TZ	<b>ECR584504-PPN</b>	56,368	ICR	65.72	4633	96.2	460	519.0	1
	1200	586/7TZ	<b>ECR584506-PPN</b>	67,416	ICR	65.72	4999	95.0	460	530.0	1
	900	586/7T	<b>ECR584508-PP</b>	77,200	ICR	75.56	5760	95.0	460	559.0	1
500	1800	586/7TZ	<b>ECR585004-PPN</b>	57,707	ICR	65.72	4718	96.2	460	576.0	1
	1200	586/7TZ	<b>ECR585006-PPN</b>	69,994	ICR	65.72	4806	95.8	460	603.0	1
600	1800	586/7TZ	<b>ECR586004-PPN</b>	65,888	ICR	65.72	5091	96.2	460	679.0	1
<b>575 volt</b>											
250	1200	586/7TZ	<b>ECR582506-5PPN</b>	43,998	ICR	65.72	3715	95.8	575	237.0	1
300	1800	586/7TZ	<b>ECR583004-5PPN</b>	40,623	ICR	65.72	3560	96.2	575	270.0	1
	1200	586/7TZ	<b>ECR583006-5PPN</b>	51,626	ICR	65.72	4025	95.8	575	279.0	1
350	1800	586/7TZ	<b>ECR583504-5PPN</b>	44,980	ICR	65.72	3935	96.2	575	309.0	1
	1200	586/7TZ	<b>ECR583506-5PPN</b>	55,931	ICR	65.72	4025	95.8	575	323.0	1
450	1800	586/7TZ	<b>ECR584504-5PPN</b>	56,368	ICR	65.72	4025	96.2	575	397.0	1
	1200	586/7TZ	<b>ECR584506-5PPN</b>	67,416	ICR	65.72	4820	95.0	575	416.0	1
500	1800	586/7TZ	<b>ECR585004-5PPN</b>	57,707	ICR	65.72	4025	96.2	575	455.0	1
	1200	586/7TZ	<b>ECR585006-5PPN</b>	69,994	ICR	65.72	4820	95.8	575	471.0	1
400	1800	586/7TZ	<b>ECR584004-5PPN</b>	49,424	ICR	65.72	3935	96.2	575	362.0	1
	1200	586/7TZ	<b>ECR584006-5PPN</b>	61,589	ICR	65.72	4025	95.0	575	368.0	1
600	1800	586/7TZ	<b>ECR586004-5PPN</b>	65,888	ICR	65.72	4820	96.2	575	679.0	1

Cast iron frame

TOC  
INFO  
SP4  
GP  
SD  
WD  
XP  
PUMP  
HVAC  
FARM  
DP  
UH  
BRM  
VSAC  
IMD  
DCPM  
DCSW  
GRDS  
BUFF  
LATH  
GBPA  
ACPA  
DCPA  
ACC  
MDEX  
INDX  
NOTE

**Crusher Duty, three phase, TEFC, C-face foot mounted**



Hp	RPM	Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	Notes
230/460 volt											
15	1800	254TC	<b>CECR9154T</b>	3,611	SDC	25.28	286	92.4	230/460	18.6	12
20	1800	256TC	<b>CECR9204T</b>	4,142	SDC	25.28	325	93.0	230/460	24.0	12
25	1800	284TC	<b>CECR9254T</b>	5,230	SDC	28.00	525	93.6	230/460	31.0	12
30	1800	286TC	<b>CECR9304T</b>	5,955	SDC	28.00	515	93.6	230/460	37.0	12
40	1800	324TC	<b>CECR9404T</b>	7,555	SDC	30.20	650	94.1	230/460	49.0	12
50	1800	326TC	<b>CECR9504T</b>	8,939	SDC	30.20	700	94.5	230/460	61.0	12
60	1800	364TC	<b>CECR9604T</b>	15,524	SDC	33.48	977	95.0	230/460	69.9	12
75	1800	365TC	<b>CECR9754T</b>	17,691	SDC	33.48	951	95.4	230/460	87.5	12

Cast iron frame

TOC  
INFO  
SP4  
GP  
SD  
WD  
XP  
PUMP  
HVAC  
FARM  
DP  
UH  
BRM  
VSAC  
IMD  
DCPM  
DCSW  
GRDS  
BUFF  
LATH  
GBPA  
ACPA  
DCPA  
ACC  
MDEX  
INDX  
NOTE

## Division 2 capabilities

The following list of Severe duty motors are marked for Division 2, Class I, Groups A, B, C, D for Sine Wave and Inverter Power. They also include Equivalent Zone markings for Class I, Zone 2, Groups IIA, IIB, IIC for Sine Wave and Inverter Power. Division 2 Temp Codes are provided in the standard format per the NEC Article 500 requirements. Equivalent Zone Temp Codes are provided in the “T = °C” format because NEC Article 505 does not allow all T Codes permitted by NEC 500. Inverter Temp Codes are provided in the “T = °C” format because they apply to both the Equivalent Zone (NEC 505) requirements and NEC 500 requirements. Please reference the following table for Temperature and Temp Code values

Maximum surface temperature	US (NEC 500) CA (CEC Annex J)	US (NEC 505) CA (CEC Section 18)
450° C	T1	T1
300° C	T2	T2
280° C	T2A	-
260° C	T2B	-
230° C	T2C	-
215° C	T2D	-
200° C	T3	T3

Maximum surface temperature	US (NEC 500) CA (CEC Annex J)	US (NEC 505) CA (CEC Section 18)
180° C	T3A	-
165° C	T3B	-
160° C	T3C	-
135° C	T4	T4
120° C	T4A	-
100° C	T5	T5
85° C	T6	T6

XP Class & Group Symbol	Description
①	Class I, Group D
②	Class I, Group D, Class II, Group F & G
③	Class I, Group D, Class II, Group E, F & G
④	Class I, Group C & D
⑤	Class I, Group C & D, Class II, Group F & G
⑥	Class I, Group C & D, Class II, Group E, F & G

Catalog Number	Sine Wave Temp Code	Equiv. Zone Temp Code	Inverter Temp Code	VT Speed Range (Hz)	CT Speed Range (Hz)	CHP Speed Range (Hz)
CECP2276T	T3C	160°C	180°C	0-60	0-60	60-90
CECP2294T	T3C	160°C	180°C	3-60	6-60	60-90
CECP2332T	T3C	160°C	180°C	0-60	0-60	60-90
CECP2333T	T3C	160°C	180°C	0-60	0-60	60-90
CECP2333T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP2333T-5	T3C	160°C	180°C	0-60	0-60	60-90
CECP2334T	T3C	160°C	180°C	0-60	0-60	60-90
CECP2334T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP2334T-5	T3C	160°C	180°C	0-60	0-60	60-90
CECP3581T	T4	135°C	135°C	0-60	0-60	60-90
CECP3581T-5	T3	200°C	200°C	6-60	6-60	60-90
CECP3582T	T4	135°C	135°C	0-60	0-60	60-90
CECP3584T	T4	135°C	135°C	0-60	0-60	60-90
CECP3584T-5	T3	200°C	200°C	6-60	6-60	60-90
CECP3587T	T4	135°C	135°C	0-60	0-60	60-90
CECP3587T-5	T4	135°C	135°C	0-60	0-60	60-90
CECP3660T	T3C	160°C	160°C	3-60	6-60	60-90
CECP3661T	T3C	160°C	160°C	0-60	0-60	60-90
CECP3661T-5	T3C	160°C	160°C	0-60	0-60	60-90
CECP3663T	T3C	160°C	160°C	3-60	6-60	60-90
CECP3664T	T3C	160°C	160°C	0-60	0-60	60-90

Catalog Number	Sine Wave Temp Code	Equiv. Zone Temp Code	Inverter Temp Code	VT Speed Range (Hz)	CT Speed Range (Hz)	CHP Speed Range (Hz)
CECP3665T	T3C	160°C	160°C	0-60	0-60	60-90
CECP3665T-5	T3	200°C	200°C	6-60	6-60	60-90
CECP3667T	T3C	160°C	160°C	0-60	0-60	60-90
CECP3764T	T3C	160°C	160°C	0-60	0-60	60-90
CECP3768T	T3C	160°C	160°C	0-60	0-60	60-90
CECP3769T	T3C	160°C	160°C	3-60	6-60	60-90
CECP3770T	T3C	160°C	160°C	0-60	0-60	60-90
CECP3770T-5	T3	200°C	200°C	6-60	6-60	60-90
CECP3771T	T3C	160°C	160°C	3-60	6-60	60-90
CECP3774T	T3A	180°C	160°C	0-60	0-60	60-90
CECP3774T-5	T3	200°C	200°C	6-60	6-60	60-90
CECP4100T	T3C	160°C	180°C	0-60	0-60	60-90
CECP4102T	T3C	160°C	180°C	0-60	0-60	60-90
CECP4103T	T3C	160°C	180°C	0-60	0-60	60-90
CECP4103T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP4103T-5	T3C	160°C	180°C	0-60	0-60	60-90
CECP4104T	T3C	160°C	180°C	0-60	0-60	60-90
CECP4104T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP4104T-5	T3C	160°C	180°C	0-60	0-60	60-90
CECP4106T	T3	200°C	200°C	0-60	6-60	60-90
CECP4107T	T3	200°C	200°C	3-60	6-60	60-90

Catalog Number	Sine Wave Temp Code	Equiv. Zone Temp Code	Inverter Temp Code	VT Speed Range (Hz)	CT Speed Range (Hz)	CHP Speed Range (Hz)
CECP4108T	T3	200°C	200°C	3-60	6-60	60-90
CECP4109T	T3	200°C	200°C	3-60	6-60	60-90
CECP4110T	T3	200°C	200°C	0-60	0-60	60-90
CECP4111T	T3	200°C	200°C	0-60	0-60	60-90
CECP4114T	T3	200°C	200°C	3-60	6-60	60-90
CECP4115T	T3	200°C	200°C	0-60	0-60	60-90
CECP4117T	T3	200°C	200°C	0-60	0-60	60-90
CECP4308T	T3A	180°C	180°C	0-60	6-60	60-90
CECP4310T	T3	200°C	200°C	0-60	6-60	60-75
CECP4312T	T3	200°C	200°C	3-60	15-60	60-90
CECP4313T	T3	200°C	200°C	0-60	10-60	60-75
CECP4314T	T3	200°C	200°C	0-60	10-60	60-90
CECP4314T-4	T3	200°C	200°C	0-60	10-60	60-90
CECP4314T-5	T3	200°C	200°C	0-60	10-60	60-90
CECP4316T	T3	200°C	200°C	0-60	15-60	60-90
CECP4400T-4	T2D	215°C	215°C	0-60	10-60	60-90
CECP4402T-4	T3	200°C	200°C	0-60	6-60	60-75
CECP4406T-4	T3	200°C	200°C	0-60	15-60	60-90
CECP4407T-4	T3	200°C	200°C	0-60	30-60	60-90
CECP4410T-4	T3	200°C	200°C	0-60	30-60	60-90
CECP82276T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP82332T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP82333T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP82333T-5	T3C	160°C	180°C	0-60	0-60	60-90
CECP82334T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP82334T-5	T3C	160°C	180°C	0-60	0-60	60-90
CECP82394T-4	T3C	160°C	180°C	3-60	6-60	60-90
CECP83580-4	T4	135°C	135°C	0-60	1.7-60	60-90
CECP83580T-4	T4	135°C	135°C	3-60	6-60	60-90
CECP83581-4	T4	135°C	135°C	0-60	0-60	60-90
CECP83581T-4	T4	135°C	135°C	0-60	0-60	60-90
CECP83581T-5	T4	135°C	135°C	0-60	0-60	60-90
CECP83582-4	T4	135°C	135°C	0-60	0-60	60-90
CECP83582T-4	T4	135°C	135°C	0-60	0-60	60-90
CECP83583T-4	T4	135°C	135°C	3-60	6-60	60-90
CECP83584T-4	T4	135°C	135°C	0-60	0-60	60-90
CECP83586T-4	T4	135°C	135°C	3-60	6-60	60-90
CECP83587T-4	T4	135°C	135°C	0-60	0-60	60-90
CECP83587T-5	T4	135°C	135°C	0-60	0-60	60-90
CECP83660T-4	T3C	160°C	160°C	3-60	6-60	60-90
CECP83661T-4	T3C	160°C	160°C	0-60	0-60	60-90
CECP83661T-5	T3C	160°C	160°C	0-60	0-60	60-90
CECP83663T-4	T3C	160°C	160°C	3-60	6-60	60-90
CECP83664T-4	T3C	160°C	160°C	0-60	0-60	60-90
CECP83665T-4	T3C	160°C	160°C	0-60	0-60	60-90
CECP83665T-5	T3C	160°C	160°C	0-60	0-60	60-90
CECP83667T-4	T3C	160°C	160°C	0-60	0-60	60-90
CECP83764T-4	T3C	160°C	160°C	0-60	0-60	60-90
CECP83768T-4	T3C	160°C	160°C	0-60	0-60	60-90
CECP83769T-4	T3C	160°C	160°C	3-60	6-60	60-90
CECP83770T-4	T3C	160°C	160°C	0-60	0-60	60-90
CECP83770T-5	T3C	160°C	160°C	0-60	0-60	60-90
CECP83771T-4	T3C	160°C	160°C	3-60	6-60	60-90
CECP83774T-4	T3C	160°C	160°C	0-60	0-60	60-90
CECP83774T-5	T3C	160°C	160°C	0-60	0-60	60-90
CECP84100T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP84102T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP84103T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP84103T-5	T3C	160°C	180°C	0-60	0-60	60-90
CECP84104T-4	T3C	160°C	180°C	0-60	0-60	60-90
CECP84104T-5	T3C	160°C	180°C	0-60	0-60	60-90
CECP84106T-4	T3	200°C	200°C	3-60	6-60	60-90
CECP84107T-4	T3	200°C	200°C	3-60	6-60	60-90

Catalog Number	Sine Wave Temp Code	Equiv. Zone Temp Code	Inverter Temp Code	VT Speed Range (Hz)	CT Speed Range (Hz)	CHP Speed Range (Hz)
CECP84108T-4	T3	200°C	200°C	3-60	6-60	60-90
CECP84109T-4	T3	200°C	200°C	3-60	6-60	60-90
CECP84110T-4	T3	200°C	200°C	0-60	0-60	60-90
CECP84110T-5	T3	200°C	200°C	0-60	0-60	60-90
CECP84111T-4	T3	200°C	200°C	0-60	0-60	60-90
CECP84114T-4	T3	200°C	200°C	3-60	6-60	60-90
CECP84115T-4	T3	200°C	200°C	0-60	0-60	60-90
CECP84115T-5	T3	200°C	200°C	0-60	0-60	60-90
CECP84117T-4	T3	200°C	200°C	0-60	0-60	60-90
CECP84308T-4	T3A	180°C	180°C	0-60	6-60	60-90
CECP84310T-4	T3	200°C	200°C	0-60	6-60	60-75
CECP84312T-4	T3A	180°C	180°C	0-60	6-60	60-90
CECP84313T-4	T3	200°C	200°C	0-60	15-60	60-75
CECP84314T-4	T3	200°C	200°C	0-60	10-60	60-90
CECP84316T-4	T3	200°C	200°C	0-60	15-60	60-90
CENCP83580T-4	T3C	160°C	160°C	3-60	6-60	60-90
CENCP83581T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP82276T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP82276T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP82332T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP82332T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP82333T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP82333T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP82334T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP82334T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP82394T-4	T3C	160°C	180°C	3-60	6-60	60-90
ECP82394T-5	T3C	160°C	180°C	3-60	6-60	60-90
ECP83580T-4	T4	135°C	135°C	3-60	6-60	60-90
ECP83580T-5	T4	135°C	135°C	3-60	6-60	60-90
ECP83581T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP83581T-5	T4	135°C	135°C	0-60	0-60	60-90
ECP83582T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP83582T-5	T4	135°C	135°C	0-60	0-60	60-90
ECP83583T-4	T4	135°C	135°C	3-60	6-60	60-90
ECP83583T-5	T4	135°C	135°C	3-60	6-60	60-90
ECP83584T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP83584T-5	T4	135°C	135°C	0-60	0-60	60-90
ECP83586T-4	T4	135°C	135°C	3-60	6-60	60-90
ECP83586T-5	T4	135°C	135°C	3-60	6-60	60-90
ECP83587T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP83587T-5	T4	135°C	135°C	0-60	0-60	60-90
ECP83660T-4	T3C	160°C	160°C	3-60	6-60	60-90
ECP83660T-5	T3C	160°C	160°C	3-60	6-60	60-90
ECP83661T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP83661T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP83663T-4	T3C	160°C	160°C	3-60	6-60	60-90
ECP83663T-5	T3C	160°C	160°C	3-60	6-60	60-90
ECP83664T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP83664T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP83665T-4	T3A	180°C	160°C	0-60	0-60	60-90
ECP83665T-5	T3A	180°C	160°C	0-60	0-60	60-90
ECP83667T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP83667T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP83764T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP83764T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP83768T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP83768T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP83769T-4	T3C	160°C	160°C	3-60	6-60	60-90
ECP83769T-5	T3C	160°C	160°C	3-60	6-60	60-90
ECP83770T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP83770T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP83771T-4	T3C	160°C	160°C	3-60	6-60	60-90
ECP83771T-5	T3C	160°C	160°C	3-60	6-60	60-90

Catalog Number	Sine Wave Temp Code	Equiv. Zone Temp Code	Inverter Temp Code	VT Speed Range (Hz)	CT Speed Range (Hz)	CHP Speed Range (Hz)
ECP83774T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP83774T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP84100T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP84100T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP84102T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP84102T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP84103T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP84103T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP84104T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP84104T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP84106T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP84106T-5	T3	200°C	200°C	3-60	6-60	60-90
ECP84107T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP84107T-5	T3	200°C	200°C	3-60	6-60	60-90
ECP84108T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP84108T-5	T3	200°C	200°C	3-60	6-60	60-90
ECP84109T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP84109T-5	T3	200°C	200°C	3-60	6-60	60-90
ECP84110T-4	T3	200°C	200°C	0-60	0-60	60-90
ECP84110T-5	T3	200°C	200°C	0-60	0-60	60-90
ECP84111T-4	T3	200°C	200°C	0-60	0-60	60-90
ECP84111T-5	T3	200°C	200°C	0-60	0-60	60-90
ECP84114T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP84114T-5	T3	200°C	200°C	3-60	6-60	60-90
ECP84115T-4	T3	200°C	200°C	0-60	0-60	60-90
ECP84115T-5	T3	200°C	200°C	0-60	0-60	60-90
ECP84117T-4	T3	200°C	200°C	0-60	0-60	60-90
ECP84117T-5	T3	200°C	200°C	0-60	0-60	60-90
ECP84308T-4	T3A	180°C	180°C	0-60	6-60	60-90
ECP84308T-5	T3A	180°C	180°C	0-60	6-60	60-90
ECP84310T-4	T3	200°C	200°C	0-60	6-60	60-75
ECP84310T-5	T3	200°C	200°C	0-60	6-60	60-75
ECP84312T-4	T3	200°C	200°C	0-60	6-60	60-90
ECP84312T-5	T3	200°C	200°C	0-60	6-60	60-90
ECP84313T-4	T3	200°C	200°C	0-60	15-60	60-75
ECP84313T-5	T3	200°C	200°C	0-60	15-60	60-75
ECP84314T-4	T3	200°C	200°C	0-60	10-60	60-90
ECP84314T-5	T3	200°C	200°C	0-60	10-60	60-90
ECP84316T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP84316T-5	T3	200°C	200°C	0-60	15-60	60-90
ECP84400T-4	T2D	215°C	215°C	0-60	10-60	60-90
ECP84400T-5	T3	200°C	200°C	0-60	6-60	60-90
ECP84400TR-4	T3	200°C	200°C	0-60	6-60	60-90
ECP84402T-4	T3	200°C	200°C	0-60	10-60	60-75
ECP84402T-5	T3	200°C	200°C	0-60	10-60	60-75
ECP84403T-4	T3	200°C	200°C	0-60	10-60	60-90
ECP84403T-5	T3	200°C	200°C	0-60	10-60	60-90
ECP84404T-4	T3	200°C	200°C	0-60	10-60	60-90
ECP84404T-5	T3	200°C	200°C	0-60	10-60	60-90
ECP84406T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP84406T-5	T3	200°C	200°C	0-60	15-60	60-90
ECP84406TR-4	T3	200°C	200°C	0-60	15-60	60-90
ECP84407T-4	T3	200°C	200°C	0-60	30-60	60-90
ECP84407T-5	T3	200°C	200°C	0-60	30-60	60-90
ECP84407TR-4	T3	200°C	200°C	0-60	30-60	60-90
ECP84407TR-5	T3	200°C	200°C	0-60	30-60	60-90
ECP84408T-4	T3	200°C	200°C	0-60	30-60	60-90
ECP84408T-5	T3	200°C	200°C	0-60	30-60	60-90
ECP84408TR-4	T3	200°C	200°C	0-60	30-60	60-90
ECP84408TR-5	T3	200°C	200°C	0-60	30-60	60-90
ECP84409T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP84409T-5	T3	200°C	200°C	0-60	15-60	60-90
ECP84409TR-4	T3	200°C	200°C	0-60	15-60	60-90

Catalog Number	Sine Wave Temp Code	Equiv. Zone Temp Code	Inverter Temp Code	VT Speed Range (Hz)	CT Speed Range (Hz)	CHP Speed Range (Hz)
ECP84410T-4	T3	200°C	200°C	0-60	10-60	60-90
ECP84410T-5	T3	200°C	200°C	0-60	10-60	60-90
ECP84410TR-4	T3	200°C	200°C	0-60	10-60	60-90
ECP84411T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP84411T-5	T3	200°C	200°C	0-60	15-60	60-90
ECP84411TR-4	T3	200°C	200°C	0-60	15-60	60-90
ECP84412T-4	T3	200°C	200°C	0-60	15-60	60-75
ECP84412T-5	T3	200°C	200°C	0-60	15-60	60-75
ECP84413T-4	T3	200°C	200°C	0-60	10-60	60-75
ECP84413T-5	T3	200°C	200°C	0-60	10-60	60-75
ECP844156T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP844156TR-4	T3	200°C	200°C	0-60	15-60	60-90
ECP844156TR-5	T3	200°C	200°C	0-60	15-60	60-90
ECP84416T-4	T3	200°C	200°C	0-60	30-60	60-75
ECP84416T-5	T3	200°C	200°C	0-60	30-60	60-75
ECP844206T-4	T3	200°C	200°C	0-60	30-60	60-90
ECP844206TR-4	T3	200°C	200°C	0-60	30-60	60-90
ECP844206TR-5	T3	200°C	200°C	0-60	30-60	60-90
ECP844252T-4	T2D	215°C	215°C	0-60	30-60	60-75
ECP844252T-5	T3	200°C	200°C	0-60	30-60	60-75
ECP844256T-4	T3	200°C	200°C	0-60	30-60	60-90
ECP844256TR-4	T2D	215°C	215°C	0-60	30-60	60-90
ECP844256TR-5	T3	200°C	200°C	0-60	30-60	60-90
ECP844306T-4	T3	200°C	200°C	0-60	30-60	60-90
ECP844306TR-4	T2C	230°C	230°C	0-60	30-60	60-90
ECP844306TR-5	T3	200°C	200°C	0-60	30-60	60-90
ENCP83580T-4	T3C	160°C	160°C	3-60	6-60	60-90
ENCP83581T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP2276T	T3C	160°C	180°C	0-60	0-60	60-90
ECP2276T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP2276T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP2280T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP2294T	T3C	160°C	180°C	3-60	6-60	60-90
ECP2332T	T3C	160°C	180°C	0-60	0-60	60-90
ECP2332T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP2332T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP2333T	T3C	160°C	180°C	0-60	0-60	60-90
ECP2333T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP2333T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP2334T	T3C	160°C	180°C	0-60	0-60	60-90
ECP2334T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP2334T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP2394T-4	T3C	160°C	180°C	3-60	6-60	60-90
ECP2394T-5	T3C	160°C	180°C	3-60	6-60	60-90
ECP2395T-4	T3	200°C	200°C	3-60	0-60	60-90
ECP2401T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP2402T-4	T3	200°C	200°C	3-60	0-60	60-90
ECP3580T	T4	135°C	135°C	3-60	6-60	60-90
ECP3580T-4	T4	135°C	135°C	3-60	6-60	60-90
ECP3580T-5	T4	135°C	135°C	3-60	6-60	60-90
ECP3581T	T4	135°C	135°C	0-60	0-60	60-90
ECP3581T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP3581T-5	T4	135°C	135°C	0-60	0-60	60-90
ECP3582T	T4	135°C	135°C	0-60	0-60	60-90
ECP3582T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP3583T	T4	135°C	135°C	3-60	6-60	60-90
ECP3583T-4	T4	135°C	135°C	3-60	6-60	60-90
ECP3584T	T4	135°C	135°C	0-60	0-60	60-90
ECP3584T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP3584T-5	T4	135°C	135°C	0-60	0-60	60-90
ECP3586T	T4	135°C	135°C	3-60	6-60	60-90
ECP3586T-4	T4	135°C	135°C	3-60	6-60	60-90
ECP3587T	T4	135°C	135°C	0-60	0-60	60-90

Catalog Number	Sine Wave Temp Code	Equiv. Zone Temp Code	Inverter Temp Code	VT Speed Range (Hz)	CT Speed Range (Hz)	CHP Speed Range (Hz)
ECP3587T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP3587T-5	T4	135°C	135°C	0-60	0-60	60-90
ECP3660T	T3C	160°C	160°C	3-60	6-60	60-90
ECP3660T-4	T3C	160°C	160°C	3-60	6-60	60-90
ECP3660T-5	T3C	160°C	160°C	3-60	6-60	60-90
ECP3661T	T3C	160°C	160°C	0-60	0-60	60-90
ECP3661T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP3661T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP3663T	T3C	160°C	160°C	3-60	6-60	60-90
ECP3663T-4	T3C	160°C	160°C	3-60	6-60	60-90
ECP3663T-5	T3C	160°C	160°C	3-60	6-60	60-90
ECP3664T	T3C	160°C	160°C	0-60	0-60	60-90
ECP3664T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP3665T	T3C	160°C	160°C	0-60	0-60	60-90
ECP3665T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP3665T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP3667T	T3C	160°C	160°C	0-60	0-60	60-90
ECP3667T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP3668T-4	T3C	160°C	160°C	0-60	3-60	60-90
ECP3687T-4	T3C	160°C	160°C	0-60	3-60	60-90
ECP3764T	T3C	160°C	160°C	0-60	0-60	60-90
ECP3764T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP3764T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP3768T	T3C	160°C	160°C	0-60	0-60	60-90
ECP3768T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP3768T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP3769T	T3C	160°C	160°C	3-60	6-60	60-90
ECP3769T-4	T3C	160°C	160°C	3-60	6-60	60-90
ECP3769T-5	T3C	160°C	160°C	3-60	6-60	60-90
ECP3770T	T3C	160°C	160°C	0-60	0-60	60-90
ECP3770T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP3770T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP3771T	T3C	160°C	160°C	3-60	6-60	60-90
ECP3771T-4	T3C	160°C	160°C	3-60	6-60	60-90
ECP3771T-5	T3C	160°C	160°C	3-60	6-60	60-90
ECP3772T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP3774T	T3C	160°C	160°C	0-60	0-60	60-90
ECP3774T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP3774T-5	T3C	160°C	160°C	0-60	0-60	60-90
ECP3775T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP4100T	T3C	160°C	180°C	0-60	0-60	60-90
ECP4100T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP4100T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP4102T	T3C	160°C	180°C	0-60	0-60	60-90
ECP4102T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP4102T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP4103T	T3C	160°C	180°C	0-60	0-60	60-90
ECP4103T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP4103T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP4104T	T3C	160°C	180°C	0-60	0-60	60-90
ECP4104T-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP4104T-5	T3C	160°C	180°C	0-60	0-60	60-90
ECP4106T	T3	200°C	200°C	3-60	6-60	60-90
ECP4106T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP4106T-5	T3	200°C	200°C	3-60	6-60	60-90
ECP4107T	T3	200°C	200°C	3-60	6-60	60-90
ECP4107T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP4108T	T3	200°C	200°C	3-60	6-60	60-90
ECP4108T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP4109T	T3	200°C	200°C	3-60	6-60	60-90
ECP4109T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP4110T	T3	200°C	200°C	0-60	0-60	60-90
ECP4110T-4	T3	200°C	200°C	0-60	0-60	60-90

Catalog Number	Sine Wave Temp Code	Equiv. Zone Temp Code	Inverter Temp Code	VT Speed Range (Hz)	CT Speed Range (Hz)	CHP Speed Range (Hz)
ECP4110T-5	T3	200°C	200°C	0-60	0-60	60-90
ECP4111T	T3	200°C	200°C	0-60	0-60	60-90
ECP4111T-4	T3	200°C	200°C	0-60	0-60	60-90
ECP4111T-5	T3	200°C	200°C	0-60	0-60	60-90
ECP4112T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP4113T-4	T3	200°C	200°C	0-60	6-60	60-90
ECP4114T	T3	200°C	200°C	3-60	6-60	60-90
ECP4114T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP4115T	T3	200°C	200°C	0-60	0-60	60-90
ECP4115T-4	T3	200°C	200°C	0-60	0-60	60-90
ECP4115T-5	T3	200°C	200°C	0-60	0-60	60-90
ECP4117T	T3	200°C	200°C	0-60	0-60	60-90
ECP4117T-4	T3	200°C	200°C	0-60	0-60	60-90
ECP4117T-5	T3	200°C	200°C	0-60	0-60	60-90
ECP4124T-4	T3	200°C	200°C	3-60	6-60	60-90
ECP4308T	T3A	180°C	180°C	0-60	6-60	60-90
ECP4308T-4	T3A	180°C	180°C	0-60	6-60	60-90
ECP4308T-5	T3A	180°C	180°C	0-60	6-60	60-90
ECP4310T	T3	200°C	200°C	0-60	6-60	60-75
ECP4310T-4	T3	200°C	200°C	0-60	6-60	60-75
ECP4312T	T3	200°C	200°C	3-60	15-60	60-90
ECP4312T-4	T3	200°C	200°C	3-60	15-60	60-90
ECP4313T	T3	200°C	200°C	0-60	10-60	60-75
ECP4313T-4	T3	200°C	200°C	0-60	10-60	60-75
ECP4313T-5	T3	200°C	200°C	0-60	10-60	60-75
ECP4314T	T3	200°C	200°C	0-60	10-60	60-90
ECP4314T-4	T3	200°C	200°C	0-60	10-60	60-90
ECP4314T-5	T3	200°C	200°C	0-60	10-60	60-90
ECP4315T-4	T3C	160°C	180°C	0-60	6-60	60-90
ECP4316T	T3	200°C	200°C	0-60	30-60	60-90
ECP4316T-4	T3	200°C	200°C	0-60	30-60	60-90
ECP4316T-5	T3	200°C	200°C	0-60	30-60	60-90
ECP4316TR-4	T3	200°C	200°C	0-60	30-60	60-90
ECP4400T-4	T2D	215°C	215°C	0-60	10-60	60-90
ECP4400T-5	T2D	215°C	215°C	0-60	10-60	60-90
ECP4400TR-4	T2D	215°C	215°C	0-60	10-60	60-90
ECP4400TS-4	T2D	215°C	215°C	0-60	10-60	60-90
ECP4402T	T3	200°C	200°C	0-60	6-60	60-75
ECP4402T-4	T3	200°C	200°C	0-60	6-60	60-75
ECP4403T	T3A	180°C	180°C	0-60	6-60	60-90
ECP4403T-4	T3A	180°C	180°C	0-60	6-60	60-90
ECP4403TR-4	T3	200°C	200°C	0-60	10-60	60-90
ECP4404T	T3	200°C	200°C	0-60	10-60	60-90
ECP4404T-4	T3	200°C	200°C	0-60	10-60	60-90
ECP4404T-5	T3	200°C	200°C	0-60	10-60	60-90
ECP4404TR-4	T3	200°C	200°C	0-60	10-60	60-90
ECP4406T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP4406T-5	T3	200°C	200°C	0-60	15-60	60-90
ECP4406TR-4	T3	200°C	200°C	0-60	15-60	60-90
ECP4407T-4	T3	200°C	200°C	0-60	30-60	60-90
ECP4407T-5	T3	200°C	200°C	0-60	30-60	60-90
ECP4407TR-4	T3	200°C	200°C	0-60	30-60	60-90
ECP4407TS-4	T3	200°C	200°C	0-60	30-60	60-90
ECP4408T-4	T3	200°C	200°C	0-60	30-60	60-90
ECP4408T-5	T3	200°C	200°C	0-60	30-60	60-90
ECP4408TR-4	T3	200°C	200°C	0-60	30-60	60-90
ECP4409T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP4409TR-4	T3	200°C	200°C	0-60	15-60	60-90
ECP4410T-4	T3	200°C	200°C	0-60	10-60	60-90
ECP4410T-5	T3	200°C	200°C	0-60	10-60	60-90
ECP4410TR-4	T3	200°C	200°C	0-60	10-60	60-90
ECP4411T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP4411T-5	T3	200°C	200°C	0-60	15-60	60-90



Catalog Number	Sine Wave Temp Code	Equiv. Zone Temp Code	Inverter Temp Code	VT Speed Range (Hz)	CT Speed Range (Hz)	CHP Speed Range (Hz)
ECP4411TR-4	T3	200°C	200°C	0-60	15-60	60-90
ECP4412T	T3	200°C	200°C	0-60	15-60	60-75
ECP4412T-4	T3	200°C	200°C	0-60	15-60	60-75
ECP4413T-4	T3	200°C	200°C	0-60	10-60	60-75
ECP44156T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP44156TR-4	T3	200°C	200°C	0-60	15-60	60-90
ECP4416T-4	T3	200°C	200°C	0-60	30-60	60-75
ECP4417T-4	T3C	160°C	200°C	3-60	6-60	60-90
ECP4418T-4	T3A	180°C	180°C	0-60	6-60	60-90
ECP4419T-4	T3	200°C	200°C	0-60	10-60	60-90
ECP44206T-4	T3	200°C	200°C	0-60	30-60	60-90
ECP44206TR-4	T3	200°C	200°C	0-60	30-60	60-90
ECP4420T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP4421T-4	T3	200°C	200°C	0-60	30-60	60-90
ECP4422T-4	T3	200°C	200°C	0-60	15-60	60-90
ECP4423T-4	T2C	230°C	230°C	0-60	30-60	60-90
ECP44252T-4	T2C	230°C	230°C	0-60	30-60	60-75
ECP44256T-4	T2C	230°C	230°C	0-60	30-60	60-90
ECP44256TR-4	T2C	230°C	230°C	0-60	30-60	60-90
ECP44302T-4	T2C	230°C	230°C	0-60	30-60	60-75
ECP44304T-4	T2C	230°C	230°C	0-60	30-60	60-90
ECP44304T-5	T2C	230°C	230°C	0-60	30-60	60-90
ECP44304TR-4	T2C	230°C	230°C	0-60	30-60	60-90
ECP44352T-4	T2C	230°C	230°C	0-60	30-60	60-75
ECP44402T-4	T2C	230°C	230°C	0-60	30-60	60-75
ECP49258T-4	T2C	230°C	260°C	6-60	30-60	60-90
ECP49306T-4	T2C	230°C	230°C	0-60	30-60	60-90
ECP49308T-4	T2A	280°C	280°C	6-60	30-60	60-75
ECP49354T-4	T2C	230°C	230°C	0-60	30-60	60-90
ECP49354T-5	T2C	230°C	230°C	0-60	30-60	60-90
ECP49404T-4	T2C	230°C	230°C	0-60	30-60	60-90
ECP49404T-5	T2C	230°C	230°C	0-60	30-60	60-90
ECP49454T-4	T2C	230°C	230°C	0-60	30-60	60-90
ENCP3581T-4	T4	135°C	135°C	0-60	0-60	60-90
VECP82333T-4	T3C	160°C	180°C	0-60	0-60	60-90
VECP82334T-4	T3C	160°C	180°C	0-60	0-60	60-90
VECP82394T-4	T3C	160°C	180°C	0-60	6-60	60-90
VECP83583T-4	T4	135°C	135°C	3-60	6-60	60-90
VECP83584T-4	T4	135°C	135°C	0-60	0-60	60-90
VECP83586T-4	T4	135°C	135°C	3-60	6-60	60-90
VECP83587T-4	T4	135°C	135°C	0-60	0-60	60-90
VECP83660T-4	T3C	160°C	160°C	3-60	6-60	60-90
VECP83661T-4	T3C	160°C	160°C	0-60	0-60	60-90
VECP83663T-4	T3C	160°C	160°C	3-60	6-60	60-90
VECP83665T-4	T3C	160°C	160°C	0-60	0-60	60-90
VECP83769T-4	T3C	160°C	160°C	3-60	6-60	60-90
VECP83770T-4	T3C	160°C	160°C	0-60	0-60	60-90
VECP83771T-4	T3C	160°C	160°C	3-60	6-60	60-90
VECP83774T-4	T3C	160°C	160°C	0-60	0-60	60-90
VECP84106T-4	T3	200°C	200°C	3-60	6-60	60-90
VENCP83580T-4	T3C	160°C	160°C	3-60	6-60	60-90

Catalog Number	Sine Wave Temp Code	Equiv. Zone Temp Code	Inverter Temp Code	VT Speed Range (Hz)	CT Speed Range (Hz)	CHP Speed Range (Hz)
VENCP83581T-4	T4	135°C	135°C	0-60	0-60	60-90
ECP62333TR-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP62334TR-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP63665T-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP63770TR-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP63774TR-4	T3C	160°C	160°C	0-60	0-60	60-90
ECP64103TR-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP64104TR-4	T3C	160°C	180°C	0-60	0-60	60-90
ECP64110TR-4	T3	200°C	200°C	0-60	0-60	60-90
ECP64115TR-4	T3	200°C	200°C	0-60	0-60	60-90
ECP64314TR-4	T3	200°C	200°C	0-60	10-60	60-90
ECP64316TR-4	T3	200°C	200°C	0-60	15-60	60-90
VECP2276T	T3C	160°C	180°C	0-60	0-60	60-90
VECP2332T	T3C	160°C	180°C	0-60	0-60	60-90
VECP2333T	T3C	160°C	180°C	0-60	0-60	60-90
VECP2333T-4	T3C	160°C	180°C	0-60	0-60	60-90
VECP2334T	T3C	160°C	180°C	0-60	0-60	60-90
VECP2334T-4	T3C	160°C	180°C	0-60	0-60	60-90
VECP3580-4	T4	135°C	135°C	3-60	6-60	60-90
VECP3581	T4	135°C	135°C	0-60	0-60	60-90
VECP3581-4	T4	135°C	135°C	0-60	0-60	60-90
VECP3581T	T4	135°C	135°C	0-60	0-60	60-90
VECP3581T-4	T4	135°C	135°C	0-60	0-60	60-90
VECP3582T	T4	135°C	135°C	0-60	0-60	60-90
VECP3583T-4	T4	135°C	135°C	3-60	6-60	60-90
VECP3584T	T4	135°C	135°C	0-60	0-60	60-90
VECP3584T-4	T4	135°C	135°C	0-60	0-60	60-90
VECP3586T-4	T4	135°C	135°C	3-60	6-60	60-90
VECP3587T	T4	135°C	135°C	0-60	0-60	60-90
VECP3587T-4	T4	135°C	135°C	0-60	0-60	60-90
VECP3660T-4	T3C	160°C	160°C	0-60	6-60	60-90
VECP3661T	T3C	160°C	160°C	0-60	0-60	60-90
VECP3661T-4	T3C	160°C	160°C	0-60	0-60	60-90
VECP3663T-4	T3C	160°C	160°C	3-60	6-60	60-90
VECP3664T	T3C	160°C	160°C	0-60	0-60	60-90
VECP3665T	T3C	160°C	160°C	0-60	0-60	60-90
VECP3665T-4	T3C	160°C	160°C	0-60	0-60	60-90
VECP3667T	T3C	160°C	160°C	0-60	0-60	60-90
VECP3764T	T3C	160°C	160°C	0-60	0-60	60-90
VECP3768T	T3C	160°C	160°C	0-60	0-60	60-90
VECP3769T-4	T3C	160°C	160°C	3-60	6-60	60-90
VECP3770T	T3C	160°C	160°C	0-60	0-60	60-90
VECP3770T-4	T3C	160°C	160°C	0-60	0-60	60-90
VECP3771T-4	T3C	160°C	160°C	3-60	6-60	60-90
VECP3774T	T3C	160°C	160°C	0-60	0-60	60-90
VECP3774T-4	T3C	160°C	160°C	0-60	0-60	60-90
VECP4100T	T3C	160°C	180°C	0-60	0-60	60-90
VECP4102T	T3C	160°C	180°C	0-60	0-60	60-90
VECP4103T	T3C	160°C	180°C	0-60	0-60	60-90
VECP4111T	T3	200°C	200°C	0-60	0-60	60-90