

# IEEE 841, three phase, totally enclosed, 460 volts and 575 volts

1 thru 300 Hp

**IP56**



**Features:**

- Meets and exceeds the requirements of IEEE Std. 841-2009
- Patented PLS lubrication system for bearing longevity
- Inverter ready nameplate
- Meets IEEE 45 on nameplate
- IEEE 841 test report ships with the motor

**Applications:**

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

Hp	RPM	NEMA Frame	Catalog Number	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>460 volts</b>										
1	3600	143T	<b>ECP83580T-4</b>	SD8	12.88	60	84	460	1.4	1
		143T	<b>ENCP83580T-4</b>	SD8	11.37	56	84	460	1.3	1, 60
	1800	143T	<b>ECP83581T-4</b>	SD8	12.88	69	87.5	460	1.5	1
		143T	<b>ENCP83581T-4</b>	SD8	11.37	60	87.5	460	1.5	1, 60
1 1/2	1200	145T	<b>ECP83582T-4</b>	SD8	12.88	69	82.5	460	1.7	1
	3600	143T	<b>ECP83583T-4</b>	SD8	12.88	69	85.5	460	2	1
		1800	145T	<b>ECP83584T-4</b>	SD8	12.87	73	88.5	460	2.1
2	1200	182T	<b>ECP83667T-4</b>	SD8	15.93	114	87.5	460	2.5	1
	3600	145T	<b>ECP83586T-4</b>	SD8	12.88	78	85.5	460	2.5	1
		1800	145T	<b>ECP83587T-4</b>	SD8	12.87	78	88.5	460	2.8
3	1200	184T	<b>ECP83664T-4</b>	SD8	15.93	130	88.5	460	3.2	1
	3600	182T	<b>ECP83660T-4</b>	SD8	15.93	116	88.5	460	3.4	1
		1800	182T	<b>ECP83661T-4</b>	SD8	15.93	116	89.5	460	4.1
5	1200	213T	<b>ECP83764T-4</b>	SD8	19.50	165	89.5	460	4.5	1
	3600	184T	<b>ECP83663T-4</b>	SD8	15.93	132	88.5	460	5.7	1
		1800	184T	<b>ECP83665T-4</b>	SD8	15.93	127	89.5	460	6.6
7 1/2	1200	215T	<b>ECP83768T-4</b>	SD8	19.50	193	89.5	460	7.1	1
	3600	213T	<b>ECP83769T-4</b>	SD8	19.50	179	91.7	460	8.6	1
		1800	213T	<b>ECP83770T-4</b>	SD8	19.50	199	91.7	460	9.5
10	1200	254T	<b>ECP82276T-4</b>	SD8	24.78	343	91	460	10.5	1
	3600	215T	<b>ECP83771T-4</b>	SD8	19.50	225	91	460	11.3	1
		1800	215T	<b>ECP83774T-4</b>	SD8	19.50	231	91.7	460	12.2
15	1200	256T	<b>ECP82332T-4</b>	SD8	24.78	359	91	460	14.1	1
	3600	254T	<b>ECP82394T-4</b>	SD8	24.78	308	91	460	17	1
		1800	254T	<b>ECP82333T-4</b>	SD8	24.78	322	92.4	460	17.6
20	1200	284T	<b>ECP84100T-4</b>	SD8	27.93	447	91.7	460	19.4	1
	3600	256T	<b>ECP84106T-4</b>	SD8	24.78	328	91.7	460	22	1
		1800	256T	<b>ECP82334T-4</b>	SD8	24.78	350	93	460	23
25	1200	286T	<b>ECP84102T-4</b>	SD8	27.93	442	91.7	460	26	1
	3600	284TS	<b>ECP84107T-4</b>	SD8	26.56	360	91.7	460	28	1
		1800	284T	<b>ECP84103T-4</b>	SD8	27.93	441	93.6	460	30
30	1200	324T	<b>ECP84111T-4</b>	SD8	30.66	638	93	460	32	1
	3600	286TS	<b>ECP84108T-4</b>	SD8	26.56	442	91.7	460	34	1
		1800	286T	<b>ECP84104T-4</b>	SD8	27.93	545	93.6	460	36
40	1200	326T	<b>ECP84117T-4</b>	SD8	30.66	637	93	460	38.6	1
	3600	324TS	<b>ECP84109T-4</b>	SD8	29.16	626	92.4	460	44	1
		1800	324T	<b>ECP84110T-4</b>	SD8	30.66	629	94.1	460	46
50	1200	364T	<b>ECP84308T-4</b>	SD8	33.49	927	94.1	460	49.4	1
	3600	326TS	<b>ECP84114T-4</b>	SD8	29.16	623	93	460	55	1
		1800	326T	<b>ECP84115T-4</b>	SD8	30.66	679	94.5	460	57
	1200	365T	<b>ECP84312T-4</b>	SD8	33.49	928	94.1	460	61.7	1

(a) See notes on inside back flap. ■ Cast iron frame

Information  
Single phase  
General purpose  
Severe duty  
Large AC  
Washdown duty  
Explosion proof  
Pump  
HVAC  
Farm duty

**IEEE 841, three phase, totally enclosed, 460 volts and 575 volts**

Information	Hp	RPM	NEMA Frame	Catalog Number	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)	
	<b>460 volts (continued)</b>											
Single phase	60	3600	364TS	ECP84310T-4	SD8	31.37	905	95	460	65.1	1	
		1800	364T	ECP84314T-4	SD8	33.49	913	95	460	68	1	
		1200	404T	ECP84403T-4	SD8	38.04	1271	95	460	69	1	
General purpose	75	3600	365TS	ECP84313T-4	SD8	31.37	1045	94.5	460	80.7	1	
		1800	365T	ECP84316T-4	SD8	33.49	971	95.4	460	85.9	1	
		1200	405T	ECP84404T-4	SD8	38.20	1327	94.5	460	86.9	1	
Severe duty	100	3600	405TS	ECP84402T-4	SD8	35.04	1277	95	460	110	1	
		1800	405T	ECP84400T-4	SD8	38.20	1299	95.4	460	112	1	
		1200	444T	ECP84409T-4	SD8	44.75	1940	95	460	119	1	
Large AC	125	3600	444TS	ECP84412T-4	SD8	40.98	1968	95	460	137	1	
		1800	444T	ECP84410T-4	SD8	44.75	2020	95.4	460	144	1	
		1200	444T	ECP84410TR-4	SD8	44.97	1669	95.4	460	144	1, 5	
Washdown duty	150	3600	445T	ECP84411T-4	SD8	44.75	2083	95	460	146	1	
		1800	445T	ECP84411TR-4	SD8	44.97	1874	95	460	146	1, 5	
		1200	445T	ECP84413T-4	SD8	40.98	2053	95	460	164	1	
Explosion proof	200	3600	447TS	ECP844156T-4	SD8	48.24	2536	95.8	460	170	1	
		1800	447T	ECP844156TR-4	SD8	48.24	2615	95.8	460	170	1, 5	
		1200	447T	ECP84416T-4	SD8	44.48	2433	96.2	460	213	1	
Pump	250	3600	447T	ECP84407T-4	SD8	48.24	2582	96.2	460	222	1	
		1800	447T	ECP84407TR-4	SD8	48.24	2608	96.2	460	222	1, 5	
		1200	449T	ECP844206T-4	SD8	53.24	3109	95.8	460	225	1	
Farm duty	300	3600	449T	ECP844206TR-4	SD8	53.24	3108	95.8	460	225	1, 5	
		1800	449TS	ECP844252T-4	SD8	49.48	2790	96.2	460	266	1	
		1200	449T	ECP84408T-4	SD8	53.24	2959	96.2	460	276	1	
HVAC	350	3600	449T	ECP84408TR-4	SD8	53.24	2995	96.2	460	276	1, 5	
		1800	449T	ECP844256T-4	SD8	53.24	3102	95.8	460	287	1	
		1200	449T	ECP844256TR-4	SD8	53.49	3125	95.8	460	286	1, 5	
Explosion proof	400	3600	L449T	ECP844306T-4	SD8	60.47	3683	95.8	460	340	1	
		1800	L449T	ECP844306TR-4	SD8	60.47	3683	95.8	460	340	1, 5	
		1200	L449T	ECP844306TR-4	SD8	60.47	3683	95.8	460	340	1, 5	
	<b>575 volts</b>											
Explosion proof	1	3600	143T	ECP83580T-5	SD8	12.88	63	84	575	1.1	1	
		1800	143T	ECP83581T-5	SD8	12.87	67	87.5	575	1.2	1	
		1200	145T	ECP83582T-5	SD8	12.88	69	82.5	575	1.4	1	
Pump	1 1/2	3600	143T	ECP83583T-5	SD8	12.87	71	85.5	575	1.6	1	
		1800	145T	ECP83584T-5	SD8	12.87	73	88.5	575	1.7	1	
		1200	182T	ECP83667T-5	SD8	15.93	105	87.5	575	2	1	
Explosion proof	2	3600	145T	ECP83586T-5	SD8	12.88	79	85.5	575	2	1	
		1800	145T	ECP83587T-5	SD8	12.87	77	86.5	575	2.3	1	
		1200	184T	ECP83664T-5	SD8	15.93	128	88.5	575	2.5	1	
Pump	3	3600	182T	ECP83660T-5	SD8	15.93	116	88.5	575	2.7	1	
		1800	182T	ECP83661T-5	SD8	15.93	118	89.5	575	3.3	1	
		1200	213T	ECP83764T-5	SD8	19.50	211	89.5	575	3.6	1	
Explosion proof	5	3600	184T	ECP83663T-5	SD8	15.93	130	88.5	575	4.6	1	
		1800	184T	ECP83665T-5	SD8	15.93	127	89.5	575	5.3	1	
		1200	215T	ECP83768T-5	SD8	19.50	226	89.5	575	5.7	1	
HVAC	7 1/2	3600	213T	ECP83769T-5	SD8	19.50	179	91.7	575	6.9	1	
		1800	213T	ECP83770T-5	SD8	19.50	199	91.7	575	7.6	1	
		1200	254T	ECP82276T-5	SD8	24.78	348	91.7	575	8.4	1	
Explosion proof	10	3600	215T	ECP83771T-5	SD8	19.50	225	90.2	575	9	1	
		1800	215T	ECP83774T-5	SD8	19.50	231	91.7	575	9.8	1	
		1200	256T	ECP82332T-5	SD8	24.78	357	91.7	575	11.4	1	
Pump	15	3600	254T	ECP82394T-5	SD8	24.78	305	91.7	575	13.7	1	
		1800	254T	ECP82333T-5	SD8	24.78	318	92.4	575	14.1	1	
		1200	284T	ECP84100T-5	SD8	27.93	445	91.7	575	15.6	1	
Farm duty	20	3600	256T	ECP84106T-5	SD8	24.78	324	91.7	575	17.9	1	
		1800	256T	ECP82334T-5	SD8	24.78	361	93	575	18.3	1	
		1200	286T	ECP84102T-5	SD8	27.93	443	91.7	575	21	1	

(a) See notes on inside back flap.

Cast iron frame

Red catalog number indicates NEW product.

**IEEE 841, three phase, totally enclosed, 460 volts and 575 volts**

Hp	RPM	NEMA Frame	Catalog Number	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>575 volts (continued)</b>										
25	3600	284TS	<b>ECP84107T-5</b>	SD8	26.56	429	91.7	575	23	1
	1800	284T	<b>ECP84103T-5</b>	SD8	27.93	345	93.6	575	24	1
	1200	324T	<b>ECP84111T-5</b>	SD8	30.66	623	93	575	25.4	1
30	3600	286TS	<b>ECP84108T-5</b>	SD8	26.56	422	91.7	575	27	1
	1800	286T	<b>ECP84104T-5</b>	SD8	27.93	489	93.6	575	28	1
	1200	326T	<b>ECP84117T-5</b>	SD8	30.66	635	93	575	31	1
40	3600	324TS	<b>ECP84109T-5</b>	SD8	29.16	624	92.4	575	35	1
	1800	324T	<b>ECP84110T-5</b>	SD8	30.66	635	94.1	575	37	1
	1200	364T	<b>ECP84308T-5</b>	SD8	33.49	922	94.1	575	39.5	1
50	3600	326TS	<b>ECP84114T-5</b>	SD8	29.16	662	93	575	44	1
	1800	326T	<b>ECP84115T-5</b>	SD8	30.66	653	94.5	575	45	1
	1200	365T	<b>ECP84312T-5</b>	SD8	33.49	924	94.1	575	49.3	1
60	3600	364TS	<b>ECP84310T-5</b>	SD8	31.37	932	95	575	52	1
	1800	364T	<b>ECP84314T-5</b>	SD8	33.49	937	95	575	54.4	1
	1200	404T	<b>ECP84403T-5</b>	SD8	38.04	1275	95	575	55.2	1
75	3600	365TS	<b>ECP84313T-5</b>	SD8	31.37	998	94.5	575	64.5	1
	1800	365T	<b>ECP84316T-5</b>	SD8	33.49	985	95.4	575	68.7	1
	1200	405T	<b>ECP84404T-5</b>	SD8	38.04	1283	94.5	575	69.5	1
100	3600	405TS	<b>ECP84402T-5</b>	SD8	35.04	1287	95	575	88	1
	1800	405T	<b>ECP84400T-5</b>	SD8	38.04	1304	95.4	575	89.6	1
	1200	444T	<b>ECP84409T-5</b>	SD8	44.75	1885	95	575	92	1
125	3600	444TS	<b>ECP84412T-5</b>	SD8	40.98	1799	95.4	575	109	1
	1800	444T	<b>ECP84410T-5</b>	SD8	44.75	1915	95.8	575	111	1
	1200	445T	<b>ECP84411T-5</b>	SD8	44.75	2000	95.4	575	114	1
150	3600	445TS	<b>ECP84413T-5</b>	SD8	40.98	2062	96.2	575	131	1
	1800	445T	<b>ECP84406T-5</b>	SD8	44.75	1886	96.2	575	132	1
	1200	447T	<b>ECP844156TR-5</b>	SD8	48.24	2595	95.8	575	136	1, 5
200	3600	447TS	<b>ECP84416T-5</b>	SD8	44.48	2182	96.2	575	177	1
	1800	447T	<b>ECP84407T-5</b>	SD8	48.24	2606	96.2	575	178	1
	1200	447T	<b>ECP84407TR-5</b>	SD8	48.24	2618	96.2	575	178	1, 5
250	3600	449TS	<b>ECP844206TR-5</b>	SD8	53.24	3100	95.8	575	180	1, 5
	1800	449T	<b>ECP844252T-5</b>	SD8	49.48	2784	96.2	575	212	1
	1200	449T	<b>ECP84408T-5</b>	SD8	53.24	2932	96.2	575	220	1
300	3600	449T	<b>ECP84408TR-5</b>	SD8	53.24	2732	96.2	575	220	1, 5
	1800	449T	<b>ECP844256TR-5</b>	SD8	53.47	3125	95.8	575	229	1, 5
	1200	L449T	<b>ECP844306TR-5</b>	SD8	60.47	3683	95.8	575	272	1, 5

(a) See notes on inside back flap

Cast iron frame

Red catalog number indicates **NEW** product.

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty