

Single and Three Phase, Foot Mounted

1/4 thru 300 Hp

NEMA 48 thru 449TY

Applications: Ideal for use where hazardous fumes or dust may be present.



Features: U.L. and CSA approved for Class I, Group D and Class I, Group C & D and Class II, Group F & G. Corrosion resistant epoxy finish. Shipped with U.L. and CSA approved cast conduit box assembled to each motor. 1.00 Service Factor. EM Super-E® explosion proof motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM	NEMA Frame	Catalog Number	XP (a) Cls/Grp	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status (a)	Notes (a)
Single Phase													
1/4	1800	48	L4003A	⑧	487	K	12.85	27	55	115/208-230	2.5	C	
		56	L5000A	⑧	465	K	13.22	27	62	115/208-230	2.1	C	
		56	L5000A-C	④	579	K	13.22	32	62	115/208-230	2.1	C	
1/3	1800	48	L4005A	⑧	432	K	12.85	28	55	115/230	3	C	
		48	L4006A	⑧	628	K	12.85	29	60	115/208-230	3	C	
		56	L5001A	⑧	598	K	13.22	29	60	115/208-230	3	C	
1/2	1800	56	L5002A	⑦	847	K	14.30	41	54	115/230	3.4	C	
		56	L5003A	⑧	567	K	13.22	30	57	115/230	3.7	C	
		48	L4009A	⑧	691	K	13.85	36	64	115/208-230	3.7	C	
3/4	1800	56	L5004A	⑧	659	K	14.22	35	64	115/208-230	3.7	C	
		56	L5004A-C	④	773	K	14.22	41	64	115/208-230	3.7	C	
		56	L5005A	⑦	976	K	15.17	50	59	115/230	4	C	
1	1800	56	L5006A	⑦	640	K	14.30	40	62	115/230	4.9	C	
		56	L5007A	⑦	775	K	15.17	48	66	115/230	5.3	C	
		56	L5007A-C	②	888	K	15.17	52	66	115/230	5.3	C	
1 1/2	1800	56	L5022	①	1,128	K	16.04	57	59.5	115/230	5.7	C	
		56	L5009A	⑦	691	K	15.17	48	66	115/230	6	C	
		56	L5023A	①	882	K	15.17	48	67	115/230	6.5	C	
2	1800	143T	L5023T	①	864	L1	15.23	48	67	115/208-230	6.4	C	
		184	L5026	⑧	1,933	L1	16.92	82	67	115/208-230	7	C	
		143T	L5030T	⑧	1,001	L1	15.23	53	70	115/208-230	7.5	C	
3	1800	184	L5013	⑧	1,795	L1	16.92	75	70	115/230	9.5	C	
		3600	L5031T	⑧	1,238	L1	16.11	60	74	115/208-230	11.5	C	
		1800	L5027T	①	1,819	L1	17.42	81	75	115/230	11	C	
5	1800	3600	L5028T	①	1,890	L1	17.42	81	76	115/230	14.5	C	
		1800	L5018	⑧	2,872	L1	19.49	152	79	115/230	15	C	
		215	L5020	①	3,653	L1	19.90	171	84	230	21	C	
Three Phase													
1/4	1800	48	M6002A	⑧	507	K	12.85	26	63	208-230/460	0.7	C	
1/3	1800	56	M7002A	⑧	609	K	13.22	28	67	208-230/460	0.8	C	
		1200	M7003A	⑦	874	K	14.36	34	70	208-230/460	0.8	C	
1/2	1800	56	M7005A	⑧	698	K	13.22	27	68	208-230/460	1.1	C	
		48	M6007A	⑧	634	K	12.85	29	74	208-230/460	1	C	
		56	M7006A	⑧	634	K	13.22	30	74	208-230/460	1	C	
3/4	1800	56	M7007A	⑦	923	K	14.36	39	70	208-230/460	1.2	C	
		3600	M7009A	⑧	727	K	13.22	29	75	208-230/460	1.3	C	
		56	M7010A	⑧	730	K	14.22	34	73	208-230/460	1.5	C	
		56	M7031A	⑦	980	K	15.23	44	77	208-230/460	1.4	C	
		143T	M7031TA	⑦	980	L1	15.23	47	77	208-230/460	1.4	C	

(a) See notes on inside back flap.

CAUTION: Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. Consider explosion-proof motors on pages 110-114 for outdoor applications. These explosion-proof motors are not suitable for use with adjustable speed drives, inverter duty explosion-proof motors must be used. See page 232.

General Information

Premium Efficient Super-E® Motors

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors

Single and Three Phase, Foot Mounted

Hp	RPM	NEMA Frame	Catalog Number	XP ^(a) CIs/Grp	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status ^(a)	Notes ^(a)
1	3600	56	M7013	Ⓢ	766	K	13.22	31	75.5	208-230/460	1.8	C	
		56	M7014	Ⓢ	799	K	14.30	38	75.5	208-230/460	1.8	C	19
	1800	143T	EM7014T	Ⓢ	1,116	L1	15.23	49	85.5	230/460	1.5	A	19
		143T	EM7114T	Ⓢ	1,536	L1	16.28	85	85.5	208-230/460	1.5	A	19
		143T	EM7114T-C	Ⓢ	1,273	L1	16.28	85	85.5	208-230/460	1.5	A	19
		143T	M7014T	Ⓢ	833	LS	14.36	44	82.5	230/460	1.6	D	19
		143T	M7114T	Ⓢ	1,181	LS	16.28	78	82.5	230/460	1.6	D	19
		182	M7015	Ⓢ	1,152	L1	15.23	44	82.5	208-230/460	1.8	B	19
	1200	56	M7032	Ⓢ	980	K	15.17	44	75.5	230/460	1.7	C	
		145T	EM7032T	Ⓢ	1,248	L1	17.48	55	82.5	230/460	1.7	A	
145T		M7032T	Ⓢ	960	L1	15.23	52	80	230/460	1.8	D		
1 1/2	3600	143T	EM7018T	Ⓢ	1,021	L1	14.36	47	84	208-230/460	1.9	A	19
		143T	M7018T	Ⓢ	786	L1	14.36	45	82.5	230/460	2.1	D	19
	1800	56	M7034	Ⓢ	870	K	14.30	43	78.5	208-230/460	2.5	C	19
		145T	EM7034T	Ⓢ	1,156	L1	16.10	56	86.5	230/460	2	A	19
		145T	EM7134T	Ⓢ	1,556	L1	16.28	92	86.5	208-230/460	2.3	A	
		145T	EM7134T-C	Ⓢ	1,303	L1	16.28	85	86.5	230/460	2.1	A	
		145T	M7034T	Ⓢ	835	LS	15.23	48	84	230/460	2.4	D	19
		145T	M7134T	Ⓢ	1,197	LS	16.28	81	84	208-230/460	2.3	D	
	1200	184	M7019	Ⓢ	1,460	L1	15.23	49	84	208-230/460	2.5	B	19
		182T	EM7020T	Ⓢ	1,718	L1	17.42	96	87.5	230/460	2.6	A	19
182T		EM7120T	Ⓢ	1,910	L1	18.24	136	87.5	230/460	2.8	A	19	
2	3600	145T	EM7071T	Ⓢ	1,045	L1	16.10	56	85.5	230/460	2.5	A	19
		145T	M7071T	Ⓢ	804	L1	15.23	52	84	230/460	2.6	D	19
	1800	56	M7037	Ⓢ	973	K	15.17	51	82.5	208-230/460	3.1	C	
		145T	EM7037T	Ⓢ	1,261	L1	16.10	61	86.5	208-230/460	2.7	A	19
		145T	EM7137T	Ⓢ	1,638	L1	16.28	92	86.5	208-230/460	2.7	A	19
		145T	EM7137T-C	Ⓢ	1,339	L1	16.28	91	86.5	208-230/460	2.8	A	
		145T	M7037T	Ⓢ	942	LS	15.23	51	84	230/460	3.1	D	19
		145T	M7137T	Ⓢ	1,260	LS	16.28	82	84	230/460	3.1	D	19
	1200	184	M7023	Ⓢ	1,495	L1	15.23	54	84	208-230/460	3.1	B	19
		184T	EM7041T	Ⓢ	1,770	L1	18.92	109	88.5	230/460	3.3	A	19
184T		M7041T	Ⓢ	1,361	L1	18.92	92	86.5	230/460	3.3	D	19	
3	3600	145T	EM7075T	Ⓢ	1,238	L1	17.48	77	86.5	230/460	3.7	A	
		145T	M7075T	Ⓢ	952	L1	17.48	69	85.5	230/460	3.7	D	
		182T	EM7026T	Ⓢ	1,308	L1	16.05	70	86.5	230/460	3.7	A	19
		182T	EM7126T	Ⓢ	1,759	L1	17.56	130	86.5	230/460	3.5	A	19
		182T	M7026T	Ⓢ	1,006	L1	16.05	66	85.5	230/460	3.7	D	19
		182T	M7126T	Ⓢ	1,353	L1	17.56	127	85.5	230/460	3.7	D	19
	1800	184	M7026	Ⓢ	1,278	L1	15.55	64	85.5	208-230/460	3.9	B	19
		182T	EM7042T	Ⓢ	1,340	L1	18.92	90	89.5	230/460	4.2	A	19
		182T	EM7142T	Ⓢ	1,636	L1	17.56	139	89.5	230/460	4	A	19
		182T	EM7142T-C	Ⓢ	1,448	L1	17.56	136	89.5	230/460	4	A	19
182T		M7042T	Ⓢ	1,030	LS	17.42	81	87.5	230/460	4.1	D	19	
182T		M7142T	Ⓢ	1,258	LS	17.56	132	87.5	230/460	4.8	D	19	
1200	213	M7027	Ⓢ	1,708	L1	16.44	110	87.5	230/460	4.5	B	19	
	213T	EM7036T	Ⓢ	1,929	L1	20.32	152	89.5	230/460	3.7	A	19	
		213T	M7036T	Ⓢ	1,484	L1	19.57	144	87.5	230/460	4.6	D	19

^(a) See notes on inside back flap.

■ Cast Iron Frame

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5	3600	184T	EM7072T	Ⓢ	1,538	L1	18.12	100	88.5	230/460	5.9	A	19	
		184T	EM7172T	Ⓢ	2,062	L1	17.56	155	88.5	230/460	5.7	A	19	
		184T	M7072T	Ⓢ	1,183	L1	18.12	93	87.5	230/460	5.6	D	19	
		184T	M7172T	Ⓢ	1,586	L1	17.56	145	87.5	230/460	5.6	D	19	
	1800	184T	EM7044T	Ⓢ	1,660	L1	18.92	105	89.5	230/460	6.5	A	19	
		184T	EM7144T	Ⓢ	2,051	L1	17.56	152	89.5	230/460	6.5	A	19	
		184T	EM7144T-C	②	1,746	L1	17.56	152	89.5	230/460	6.5	A	19	
		184T	M7044T	Ⓢ	1,277	LS	17.37	99	87.5	230/460	6.7	D	19	
	1200	184T	M7144T	Ⓢ	1,490	LS	17.56	139	87.5	230/460	6.7	D	19	
		215	M7030	Ⓢ	2,211	L1	18.06	128	87.5	208-230/460	7	B	19	
215T		EM7040T	Ⓢ	2,529	L1	22.32	172	89.5	230/460	5.8	A	19		
215T		M7040T	Ⓢ	1,945	L1	20.32	161	87.5	230/460	7.5	D	19		
7 1/2	3600	184T	EM7073T	①	2,018	L1	18.92	105	89.5	230/460	8.4	A	30	
		184T	M7073T	①	1,528	L1	18.92	94	88.5	230/460	8.3	D		
		213T	EM7045T	Ⓢ	2,122	L1	19.57	172	89.5	230/460	8.9	A	19	
		213T	EM7145T	Ⓢ	2,379	L1	19.90	162	89.5	230/460	8.6	A	19	
		213T	M7045T	Ⓢ	1,632	L1	19.57	166	88.5	230/460	8.9	D	19	
		213T	M7145T	Ⓢ	1,830	L1	19.90	154	88.5	230/460	8.9	D	19	
	1800	213T	EM7047T	Ⓢ	2,204	L1	19.57	178	91.7	230/460	10.1	A	19	
		213T	EM7147T	Ⓢ	2,430	L1	19.90	192	91.7	230/460	9.4	A	19	
		213T	EM7147T-C	②	2,184	L1	19.91	225	91.7	230/460	9.5	A	19	
		213T	M7047T	Ⓢ	1,574	LS	19.57	168	89.5	230/460	10.1	D	19	
		213T	M7147T	Ⓢ	1,800	LS	19.90	175	89.5	230/460	10.3	D	19	
		254T	EM7048T	Ⓢ	2,994	L1	25.50	392	91	230/460	10.7	A	19	
10	3600	254T	M7048T	Ⓢ	2,303	L1	25.50	381	89.5	230/460	11.1	D	19	
		215T	EM7074T	①	2,392	L1	20.82	175	90.2	230/460	11.2	A		
		215T	EM7174T	Ⓢ	2,496	L1	19.31	188	90.2	230/460	11.1	A	19	
		215T	M7074T	①	1,841	L1	20.07	162	89.5	230/460	11.6	D		
	1800	215T	M7174T	Ⓢ	1,920	L1	19.90	208	89.5	230/460	11.6	D	19	
		215T	EM7070T	Ⓢ	2,462	L1	22.32	175	91.7	230/460	12.5	A		
		215T	EM7170T	Ⓢ	3,114	LS	19.90	251	91.7	230/460	12.5	A	19	
		215T	EM7170T-C	④	3,035	L1	19.91	252	91.7	230/460	12.5	A	19	
		215T	M7070T	Ⓢ	1,652	LS	21.07	164	89.5	230/460	13.5	D		
		215T	M7170T	Ⓢ	2,124	LS	19.90	186	89.5	230/460	13	D	19	
1200	256T	EM7065T	Ⓢ	3,600	L1	25.50	370	91	230/460	14.4	A	19		
	256T	M7065T	Ⓢ	2,769	L1	25.50	357	89.5	230/460	14.4	D	19		
	3600	254T	EM7053T	Ⓢ	2,822	L1	25.50	305	91	230/460	17.2	A	19	
		254T	M7053T	Ⓢ	2,171	L1	25.50	292	90.2	230/460	17	D	19	
15	1800	254T	EM7054T	Ⓢ	3,307	L1	25.50	370	92.4	230/460	18	A	19	
		254T	EM7054T-C	②	3,388	L1	25.50	370	92.4	230/460	18	A	19	
		254T	M7054T	Ⓢ	2,461	LS	25.50	376	91	230/460	18.2	D	19	
		284T	EM7057T	Ⓢ	5,803	L1	28.61	450	91.7	230/460	21	A	19	
20	3600	284T	M7057T	Ⓢ	4,464	L1	28.61	436	90.2	230/460	21	D	19	
		256T	EM7059T	Ⓢ	3,619	L1	25.50	395	91	230/460	23	A	19	
	1800	256T	M7059T	Ⓢ	2,784	L1	25.50	371	90.2	230/460	23	D	19	
		256T	EM7056T	Ⓢ	4,285	L1	25.50	393	93	230/460	24	A	19	
		256T	EM7056T-C	②	4,375	L1	25.50	393	93	230/460	24	A	19	
		256T	M7056T	Ⓢ	3,191	LS	25.50	381	91	230/460	25	D	19	
		1200	286T	EM7079T	Ⓢ	5,958	L1	28.61	540	91.7	230/460	26	A	19
			286T	M7079T	Ⓢ	4,583	L1	28.61	522	90.2	230/460	27	D	19

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25	3600	284TS	EM7063T	Ⓢ	4,817	L1	27.24	530	91.7	230/460	28	A	19
		284TS	M7063T	Ⓢ	3,705	L1	27.24	517	91	230/460	28.5	D	19
	1800	284T	EM7058T	Ⓢ	5,199	L1	28.61	542	93.6	230/460	30.5	A	19
		284T	EM7058T-C	②	5,300	L1	28.61	564	93.6	230/460	30.5	A	19
		284T	M7058T	Ⓢ	3,948	LS	28.61	528	92.4	230/460	30.8	D	19
	1200	324T	EM7082T	Ⓢ	7,450	L1	32.00	740	93	230/460	32	A	19
324T		M7082T	Ⓢ	5,731	L1	32.00	721	91.7	230/460	31	D	19	
30	3600	286TS	EM7083T	Ⓢ	5,662	L1	27.24	560	91.7	230/460	33	A	19
		286TS	M7083T	Ⓢ	4,355	L1	27.24	534	91	230/460	34	D	19
	1800	286T	EM7060T	Ⓢ	6,338	L1	28.61	567	93.6	230/460	36	A	19
		286T	EM7060T-C	②	6,443	L1	28.61	589	93.6	230/460	37	A	19
		286T	M7060T	Ⓢ	4,719	LS	28.61	491	92.4	230/460	36	D	19
	1200	326T	EM7080T	Ⓢ	8,219	L1	32.00	750	93	230/460	39	A	19
326T		M7080T	Ⓢ	6,322	L1	32.00	737	91.7	230/460	37	D	19	
40	3600	324TS	EM7067T	Ⓢ	7,552	L1	30.50	740	92.4	230/460	45	A	19
		324TS	M7067T	Ⓢ	5,809	L1	30.50	718	91.7	230/460	45	D	19
	1800	324T	EM7062T	Ⓢ	8,494	L1	32.00	767	94.1	230/460	48	A	19
		324T	EM7062T-C	②	8,609	L1	32.12	834	94.1	230/460	48	A	19
		324T	M7062T	Ⓢ	6,447	LS	32.00	750	93	230/460	47	D	19
	1200	364T	EM7084T	Ⓢ	9,526	L1	33.44	910	94.1	230/460	49.4	A	19
364T		M7084T	Ⓢ	7,328	L1	33.25	915	93	230/460	49	D	19	
50	3600	326TS	EM7081T	Ⓢ	9,670	L1	30.50	724	93	230/460	56	A	19
		326TS	M7081T	Ⓢ	7,439	L1	30.50	704	92.4	230/460	56	D	19
	1800	326T	EM7064T	Ⓢ	11,326	LS	32.00	783	94.5	230/460	57	A	19
		326T	EM7064T-C	②	9,996	L1	32.12	851	94.5	230/460	57	A	19
		326T	M7064T	Ⓢ	7,501	LS	32.00	769	93	230/460	60	D	19
	1200	365T	EM7085T	⑦	10,751	L1	33.44	950	94.1	230/460	61.7	A	19
365T		M7085T	⑦	8,270	L1	33.25	918	93	230/460	61	D	19	
60	1800	364T	EM7066T	⑦	12,670	LS	33.25	965	95	230/460	69	A	19
		364T	EM7066T-C	②	11,174	L1	33.25	989	95	230/460	69	A	19
		364T	M7066T	⑦	8,390	LS	33.25	969	93.6	230/460	69	D	19
	1200	404T	EM7086T	⑦	12,828	L1	38.31	1300	94.5	230/460	69	A	19
		404T	M7086T	⑦	9,868	L1	38.75	1233	93.6	230/460	70	D	19
		365T	EM7068T	②	13,345	L1	33.44	1065	95.4	230/460	86	A	19, 35
75	1800	365T	M7068T	②	10,465	LS	33.25	1031	94.1	230/460	85	D	19
		405T	EM7087T	⑦	14,352	L1	38.31	1335	94.5	230/460	86.9	A	19
	1200	405T	M7087T	⑦	11,224	L1	38.75	1338	93.6	230/460	88	D	19
		405T	EM7090T	②	15,498	L1	38.31	1335	95.4	230/460	112	A	19
100	1800	405T	M7090T	②	12,398	LS	38.75	1363	94.5	230/460	113	D	19
		125	444T	EM74124T-4	②	18,111	L1	44.62	1908	95.4	460	139	A
444T	M74124T-4		②	16,567	LS	44.25	1327	94.5	460	143	D	19	
150	1800	445T	EM74154T-4	②	20,240	L1	44.62	2048	95.8	460	165	A	19
		445T	M74154T-4	②	18,347	LS	44.25	1450	95	460	167	D	19
		447T	EM74204T-4	②	28,930	L1	48.40	2417	96.2	460	221	A	19
200	1800	447T	M74204T-4	②	27,037	LS	52.75	1975	95	460	224	D	19, 20
		250	1800	447T	M74254T-4	②	31,526	L1	52.75	2016	95	460	284
300	1800	449TY	M74304T-4	②	46,928	L1	54.25	2959	95	460	328	B	19, 20

(a) See notes on inside back flap.

■ Cast Iron Frame

CAUTION: Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. Consider explosion-proof motors on pages 110-114 for outdoor applications. These explosion-proof motors are not suitable for use with adjustable speed drives, inverter duty explosion-proof motors must be used. See page 232.

General Information

Premium Efficient Super-E® Motors

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors