

**Drill Rig Duty,
Three Phase,
1.15 Service Factor**

1 thru 100 Hp

NEMA 56C thru 405T



Applications: On and off shore drill rig service, bulk fuel terminals, and transfer stations. For use in high humidity hazardous-duty applications driving pumps, compressors, blowers, fans, and many other loads that require 1.15 service factor explosion-proof motors. Designed with features for use in the petroleum industry. Includes Class I, Group C & D approval for use in areas where hydrogen sulfide is present.

Features: Labyrinth-type recessed shaft slinger for increased bearing protection Explosion-proof breather/drain to prevent build up of condensation. 40°C ambient, Class F insulation. Corrosion resistant finish with two part epoxy coating. UL and CSA approved for Class I, Group C & D. 1.15 service factor. Suitable for 55°C @ 1.0 service factor.

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)
Foot Mounted													
1	3600	143T	EM7013T-I	Ⓢ	1,144	SD	15.23	45	85.5	230/460	1.4	A	1, 19
		143T	M7013T-I	Ⓢ	880	SD	14.36	41	82.5	230/460	1.8	D	1, 19
	1800	143T	EM7014T-I	Ⓢ	1,126	SD	15.23	49	85.5	230/460	1.5	A	1, 19
		143T	M7014T-I	Ⓢ	841	SD	14.12	52	82.5	230/460	1.6	D	1, 19
	1200	145T	EM7032T-I	Ⓢ	1,248	SD	17.48	55	82.5	230/460	1.7	A	1, 19
		145T	M7032T-I	Ⓢ	960	SD	15.09	50	80	230/460	1.8	D	1, 19
1 1/2	3600	143T	EM7018T-I	Ⓢ	1,135	SD	14.36	47	84	230/460	1.9	A	1, 19
		143T	M7018T-I	Ⓢ	900	SD	14.12	55	82.5	230/460	2.1	D	1, 19
	1800	145T	EM7034T-I	Ⓢ	1,166	SD	16.10	56	86.5	230/460	2	A	1, 19
		145T	M7034T-I	Ⓢ	843	SD	15.09	57	84	230/460	2.4	D	1, 19
	1200	182T	EM7020T-I	Ⓢ	1,718	SD	17.42	96	87.5	230/460	2.6	A	1, 19
		182T	M7020T-I	Ⓢ	1,322	SD	18.27	99	85.5	230/460	2.8	D	1, 19
2	3600	145T	EM7071T-I	Ⓢ	1,241	SD	16.10	56	85.5	230/460	2.5	A	1, 19
		145T	M7071T-I	Ⓢ	1,000	SD	15.23	62	84	230/460	2.6	D	1, 19
	1800	145T	EM7037T-I	Ⓢ	1,271	SD	16.10	61	86.5	230/460	2.7	A	1, 19
		145T	M7037T-I	Ⓢ	951	SD	15.09	60	84	230/460	3.1	D	1, 19
	1200	184T	EM7041T-I	Ⓢ	1,770	SD	18.92	109	88.5	230/460	3.3	A	1, 19
		184T	M7041T-I	Ⓢ	1,361	SD	18.27	114	86.5	230/460	3.3	D	1, 19
3	3600	182T	EM7026T-I	Ⓢ	1,422	SD	16.05	70	86.5	230/460	3.7	A	1, 19
		182T	M7026T-I	Ⓢ	1,121	SD	16.77	91	85.5	230/460	3.5	D	1, 19
	1800	182T	EM7042T-I	Ⓢ	1,341	SD	18.92	90	89.5	230/460	4.2	A	1, 19
		182T	EM7042T-I-5	Ⓢ	1,341	SD	18.92	90	89.5	575	3.4	A	1, 19
		182T	M7042T-I	Ⓢ	1,033	SD	18.27	105	87.5	230/460	4.1	D	1, 19
		182T	M7042T-I-5	Ⓢ	1,033	SD	18.27	99	87.5	575	3.3	D	1, 19
1200	213T	EM7036T-I	Ⓢ	1,929	SD	20.32	152	89.5	230/460	4.6	A	1, 19	
	213T	M7036T-I	Ⓢ	1,484	SD	19.57	155	87.5	230/460	4.6	D	1, 19	
5	3600	184T	EM7072T-I	Ⓢ	1,766	SD	18.12	100	88.5	230/460	5.9	A	1, 19
		184T	M7072T-I	Ⓢ	1,412	SD	18.27	108	87.5	230/460	5.6	D	1, 19
	1800	184T	EM7044T-I	Ⓢ	1,663	SD	18.92	105	89.5	230/460	6.5	A	1, 19
		184T	EM7044T-I-5	Ⓢ	1,663	SD	18.92	105	89.5	575	5.2	A	1, 19
		184T	M7044T-I	Ⓢ	1,281	SD	18.27	118	87.5	230/460	6.7	D	1, 19
		184T	M7044T-I-5	Ⓢ	1,281	SD	18.27	114	87.5	575	5.2	D	1, 19
1200	215T	EM7040T-I	Ⓢ	2,529	SD	22.32	172	89.5	230/460	7.2	A	1, 19	
	215T	M7040T-I	Ⓢ	1,945	SD	20.32	165	87.5	230/460	7.4	D	1, 19	
7 1/2	3600	213T	EM7045T-I	Ⓢ	2,122	SD	19.57	172	89.5	230/460	8.9	A	1, 19
		213T	M7045T-I	Ⓢ	1,632	SD	19.57	159	88.5	230/460	8.9	D	1, 19
	1800	213T	EM7047T-I	Ⓢ	2,050	SD	19.57	178	91.7	230/460	10.1	A	1, 19
		213T	EM7047T-I-5	Ⓢ	2,050	SD	19.57	178	91.7	575	8.1	A	1, 19
		213T	M7047T-I	Ⓢ	1,579	SD	20.32	177	89.5	230/460	10.2	D	1, 19
		213T	M7047T-I-5	Ⓢ	1,579	SD	20.32	165	89.5	575	8.2	D	1, 19
1200	254T	EM7048T-I	Ⓢ	2,994	SD	25.50	392	91	230/460	10.7	A	1, 19	
	254T	M7048T-I	Ⓢ	2,303	SD	25.50	381	89.5	230/460	11.1	D	1, 19	

(a) See notes on inside back flap.

■ Cast Iron Frame

These motors expel condensation better than standard explosion proof designs. They are recommended for applications where motors may run intermittently, applications where explosion-proof motors are installed outdoors exposed to the environment, and may not be operated for extended periods of time. 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

Drill Rig Duty, Three Phase, 1.15 Service Factor

Hp	RPM	NEMA Frame	Catalog Number	XP ^(a) Cts/Grp	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status ^(a)	Notes ^(a)	
10	3600	215T	EM7174T-I	⑤	2,496	SD	19.31	188	90.2	230/460	11.1	A	1, 19	
		215T	M7174T-I	⑤	1,920	SD	20.03	228	89.5	230/460	11.6	D	1, 19	
	1800	215T	EM7170T-I	⑤	2,767	SD	19.90	251	91.7	230/460	12.2	A	1, 19	
		215T	EM7170T-I-5	⑤	2,767	SD	19.90	251	91.7	575	9.8	A	1, 19	
		215T	M7170T-I	⑤	2,131	SD	20.03	225	89.5	230/460	12.7	D	1, 19	
		215T	M7170T-I-5	⑤	2,131	SD	20.03	230	89.5	575	11.4	D	1, 19	
		256T	EM7065T-I	⑤	3,600	SD	25.50	370	91	230/460	14.4	A	1, 19	
	256T	M7065T-I	⑤	2,769	SD	25.50	369	89.5	230/460	14.4	D	1, 19		
	15	3600	254T	EM7053T-I	⑤	2,822	SD	25.50	305	91	230/460	17.2	A	1, 19
			254T	M7053T-I	⑤	2,171	SD	25.50	344	90.2	230/460	17	D	1, 19
1800		254T	EM7054T-I	⑤	3,320	SD	25.50	370	92.4	230/460	18	A	1, 19	
		254T	EM7054T-I-5	⑤	3,320	SD	25.50	370	92.4	575	14.4	A	1, 19	
		254T	M7054T-I	⑤	2,469	SD	25.50	387	91	230/460	18.2	D	1, 19	
		254T	M7054T-I-5	⑤	2,469	SD	25.50	381	91	575	14.9	D	1, 19	
		284T	EM7057T-I	⑤	5,803	SD	28.61	450	91.7	230/460	21	A	1, 19	
284T		M7057T-I	⑤	4,464	SD	28.61	430	90.2	230/460	21	D	1, 19		
20		3600	256T	EM7059T-I	⑤	3,619	SD	25.50	395	91	230/460	23	A	1, 19
			256T	M7059T-I	⑤	2,784	SD	25.50	344	90.2	230/460	23	D	1, 19
	1800	256T	EM7056T-I	⑤	4,156	SD	25.50	393	93	230/460	24	A	1, 19	
		256T	EM7056T-I-5	⑤	4,156	SD	25.50	393	93	575	19.2	A	1, 19	
		256T	M7056T-I	⑤	3,201	SD	25.50	387	91	230/460	25	D	1, 19	
		256T	M7056T-I-5	⑤	3,201	SD	25.50	381	91	575	19.2	D	1, 19	
		286T	EM7079T-I	⑤	5,958	SD	28.61	540	91.7	230/460	26	A	1, 19	
	286T	M7079T-I	⑤	4,583	SD	28.61	436	90.2	230/460	27	D	1, 19		
	25	3600	284TS	EM7063T-I	⑤	4,817	SD	27.24	530	91.7	230/460	28	A	1, 19
			284TS	M7063T-I	⑤	3,705	SD	27.23	445	91	230/460	28.5	D	1, 19
1800		284T	EM7058T-I	⑤	5,218	SD	28.61	542	93.6	230/460	30.5	A	1, 19	
		284T	EM7058T-I-5	⑤	5,218	SD	28.61	542	93.6	575	24.4	A	1, 19	
		284T	M7058T-I	⑤	3,960	SD	28.61	549	92.4	230/460	30.8	D	1, 19	
		284T	M7058T-I-5	⑤	3,960	SD	28.61	415	92.4	575	24.6	D	1, 19	
		324T	EM7082T-I	⑤	7,450	SD	32.00	740	93	230/460	32	A	1, 19	
324T		M7082T-I	⑤	5,731	SD	32.00	685	91.7	230/460	31	D	1, 19		
30		3600	286TS	EM7083T-I	⑤	5,662	SD	27.24	560	91.7	230/460	33	A	1, 19
			286TS	M7083T-I	⑤	4,355	SD	27.23	445	91	230/460	34	D	1, 19
	1800	286T	EM7060T-I	⑤	6,363	SD	28.61	567	93.6	230/460	36	A	1, 19	
		286T	EM7060T-I-5	⑤	6,363	SD	28.61	567	93.6	575	48.4	A	1, 19	
		286T	M7060T-I	⑤	4,735	SD	28.61	584	92.4	230/460	36	D	1, 19	
		286T	M7060T-I-5	⑤	4,735	SD	28.61	583	92.4	575	28.8	D	1, 19	
		326T	EM7080T-I	⑤	8,219	SD	32.00	750	93	230/460	39	A	1, 19	
	326T	M7080T-I	⑤	6,322	SD	32.00	751	91.7	230/460	37	D	1, 19		
	40	3600	324TS	EM7067T-I	⑤	7,552	SD	30.50	740	92.4	230/460	45	A	1, 19
			324TS	M7067T-I	⑤	5,809	SD	30.50	649	91.7	230/460	45	D	1, 19
1800		324T	EM7062T-I	⑤	8,527	SD	32.00	767	94.1	230/460	48	A	1, 19	
		324T	EM7062T-I-5	⑤	8,527	SD	32.00	767	94.1	575	38.4	A	1, 19	
		324T	M7062T-I	⑤	6,468	SD	32.00	765	93	230/460	47	D	1, 19	
		324T	M7062T-I-5	⑤	6,468	SD	32.00	764	93	575	37.6	D	1, 19	
		364T	EM7084T-I	⑤	9,526	SD	33.44	910	94.1	230/460	49.4	A	1, 19	
364T		M7084T-I	⑤	7,328	SD	33.25	889	93	230/460	49	D	1, 19		
50		3600	326TS	EM7081T-I	⑤	9,670	SD	30.50	724	93	230/460	56	A	1, 19
			326TS	M7081T-I	⑤	7,439	SD	30.50	705	92.4	230/460	56	D	1, 19
	1800	326T	EM7064T-I	⑤	9,919	SD	32.00	790	94.5	230/460	58	A	1, 19	
		326T	EM7064T-I-5	⑤	9,919	SD	32.00	790	94.5	575	46.4	A	1, 19	
		326T	M7064T-I	⑤	7,526	SD	32.00	798	93	230/460	60	D	1, 19	
		326T	M7064T-I-5	⑤	7,526	SD	32.00	795	93	575	47	D	1, 19	
		365T	EM7085T-I	⑤	10,751	SD	33.44	950	94.1	230/460	61.7	A	1, 19	
	365T	M7085T-I	⑤	8,270	SD	33.25	765	93	230/460	61	D	1, 19		

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■ Cast Iron Frame

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Hp	RPM	NEMA Frame	Catalog Number	XP (a)	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status (a)	Notes (a)	
60	3600	364TS	EM7310T-I	Ⓢ	10,386	SD	33.44	984	93.6	230/460	65.1	A	1, 19	
		364TS	M7310T-I	Ⓢ	8,593	SD	31.13	945	93	230/460	66	D	1, 19	
	1800	364T	EM7066T-I	Ⓢ	11,215	SD	33.44	965	95	230/460	68	A	1, 19	
		364T	EM7066T-I-5	Ⓢ	11,215	SD	33.44	965	95	575	91.6	A	1, 19	
		364T	M7066T-I	Ⓢ	8,537	SD	33.25	981	93.6	230/460	69	D	1, 19	
		364T	M7066T-I-5	Ⓢ	8,537	SD	33.25	979	93.6	575	56	D	1, 19	
		404T	EM7086T-I	Ⓢ	12,562	SD	38.31	1300	94.5	230/460	69	A	1, 19	
		404T	M7086T-I	Ⓢ	9,868	SD	38.75	1325	93.6	230/460	70	D	1, 19	
	75	3600	364TS	M7313T-I	Ⓢ	9,958	SD	31.13	985	93	230/460	83	D	1, 19
			365TS	EM7313T-I	Ⓢ	11,687	SD	33.44	964	93.6	230/460	80.7	A	1, 19
1800		365T	EM7068T-I	Ⓢ	11,675	SD	33.44	1065	95.4	230/460	86	A	1, 19	
		365T	EM7068T-I-5	Ⓢ	11,675	SD	33.44	1065	95.4	575	68.9	A	1, 19	
		365T	M7068T-I	Ⓢ	10,500	SD	33.25	1044	94.1	230/460	85	D	1, 19	
		365T	M7068T-I-5	Ⓢ	10,500	SD	33.25	1031	94.1	575	69	D	1, 19	
		405T	EM7087T-I	Ⓢ	14,352	SD	38.31	1335	94.5	230/460	86.9	A	1, 19	
		405T	M7087T-I	Ⓢ	11,224	SD	38.75	1338	93.6	230/460	88	D	1, 19	
100		1800	405T	EM7090T-I	Ⓢ	14,973	SD	38.31	1335	95.4	230/460	112	A	1, 19
			405T	EM7090T-I-5	Ⓢ	14,973	SD	38.31	1335	95.4	575	90	A	1, 19
	405T		M7090T-I	Ⓢ	12,693	SD	38.75	1367	94.5	230/460	109	D	1, 19	
	405T		M7090T-I-5	Ⓢ	12,693	SD	38.75	1372	94.5	575	87	D	1, 19	
C-Face, Foot Mounted														
1/2	1800	56C	CM7006-I	Ⓢ	827	SD	13.14	53	75.5	230/460	0.8	C	1, 19	
3/4	1800	56C	CM7010-I	Ⓢ	843	SD	14.31	49	78.5	230/460	1.4	C	1, 19	
1	1800	56C	CM7014-I	Ⓢ	899	SD	14.31	51	82.5	230/460	1.6	C	1, 19	
1 1/2	1800	145TC	CEM7034T-I	Ⓢ	1,378	SD	16.10	59	86.5	230/460	0	A	1, 19	
		145TC	CM7034T-I	Ⓢ	1,056	SD	15.23	58	84	230/460	2.4	D	1, 19	
2	1800	145TC	CEM7037T-I	Ⓢ	1,461	SD	16.10	65	86.5	230/460	2.7	A	1, 19	
		145TC	CM7037T-I	Ⓢ	1,140	SD	15.23	60	84	230/460	3.1	D	1, 19	
3	1800	182TC	CEM7042T-I	Ⓢ	1,645	SD	20.36	85	89.5	230/460	4.2	A	1, 19	
		182TC	CM7042T-I	Ⓢ	1,336	SD	19.59	111	87.5	230/460	4.1	D	1, 19	
5	1800	184TC	CEM7044T-I	Ⓢ	1,989	SD	18.80	96	89.5	230/460	6.5	A	1, 19	
		184TC	CM7044T-I	Ⓢ	1,607	SD	19.59	122	87.5	230/460	6.7	D	1, 19	
7 1/2	1800	213TC	CEM7047T-I	Ⓢ	2,333	SD	20.36	175	91.7	230/460	9.4	A	1, 19	
		213TC	CM7047T-I	Ⓢ	1,862	SD	21.07	177	89.5	230/460	10.2	D	1, 19	
10	1800	215TC	CEM7170T-I	Ⓢ	2,838	SD	20.65	252	91.7	230/460	12.2	A	1, 19	
		215TC	CM7170T-I	Ⓢ	2,202	SD	20.78	232	89.5	230/460	14.2	D	1, 19	
15	1800	254TC	CEM7054T-I	Ⓢ	4,694	SD	26.00	380	92.4	230/460	18	A	1, 19	
		254TC	CM7054T-I	Ⓢ	3,843	SD	26.00	333	91	230/460	18.2	D	1, 19	
20	1800	256TC	CEM7056T-I	Ⓢ	5,564	SD	26.00	405	93	230/460	24	A	1, 19	
		256TC	CM7056T-I	Ⓢ	4,464	SD	26.00	356	91	230/460	25	D	1, 19	
25	1800	284TC	CEM7058T-I	Ⓢ	6,813	SD	28.61	555	93.6	230/460	30.5	A	1, 19	
		284TC	CM7058T-I	Ⓢ	5,555	SD	28.61	554	92.4	230/460	30.8	D	1, 19	
30	1800	286TC	CEM7060T-I	Ⓢ	7,907	SD	28.61	574	93.6	230/460	36	A	1, 19	
		286TC	CM7060T-I	Ⓢ	6,279	SD	28.61	584	92.4	230/460	36	D	1, 19	
40	1800	324TC	CEM7062T-I	Ⓢ	10,547	SD	32.00	775	94.1	230/460	48	A	1, 19	
		324TC	CM7062T-I	Ⓢ	8,488	SD	32.00	808	93	230/460	47	D	1, 19	
50	1800	326TC	CEM7064T-I	Ⓢ	11,993	SD	32.00	795	94.5	230/460	57	A	1, 19	
		326TC	CM7064T-I	Ⓢ	9,600	SD	32.00	779	93	230/460	60	D	1, 19	

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