

**Three Phase,
1.15 Service Factor**

3 thru 100 Hp

NEMA 182T 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 1, 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. 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.

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	Notes (b)
Foot Mounted												
1	3600	143T	M7013T-I	Ⓢ	770	SD	14.36	46	82.5	230/460	1.8	1,19
	1800	143T	M7014T-I	Ⓢ	736	SD	14.36	44	82.5	230/460	1.6	1,19
	1200	145T	M7032T-I	Ⓢ	840	SD	15.23	49	80	230/460	1.8	1,19
1 1/2	3600	143T	M7018T-I	Ⓢ	787	SD	14.36	45	82.5	230/460	2.1	1,19
	1800	145T	M7034T-I	Ⓢ	738	SD	15.23	48	84	230/460	2.2	1,19
	1200	182T	M7020T-I	Ⓢ	1,157	SD	17.42	76	85.5	230/460	2.8	1,19
2	3600	145T	M7071T-I	Ⓢ	875	SD	15.23	52	84	230/460	2.6	1,19
	1800	145T	M7037T-I	Ⓢ	832	SD	15.23	55	84	230/460	2.9	1,19
	1200	184T	M7041T-I	Ⓢ	1,192	SD	18.92	92	86.5	230/460	3.3	1,19
3	3600	182T	M7026T-I	Ⓢ	981	SD	16.05	66	85.5	230/460	3.7	1,19
	1800	182T	M7042T-I	Ⓢ	904	SD	18.27	105	87.5	230/460	4.1	1,19
		182T	M7042T-I-5	Ⓢ	904	SD	18.27	99	87.5	575	3.3	1,19
5	1200	213T	M7036T-I	Ⓢ	1,299	SD	19.57	144	87.5	230/460	4.6	1,19
	3600	184T	M7072T-I	Ⓢ	1,236	SD	18.12	93	87.5	230/460	5.6	1,19
		184T	M7044T-I	Ⓢ	1,121	SD	18.27	118	87.5	230/460	6.7	1,19
7 1/2	1800	184T	M7044T-I-5	Ⓢ	1,121	SD	18.27	114	87.5	575	5.2	1,19
		1200	215T	M7040T-I	Ⓢ	1,703	SD	20.32	161	87.5	230/460	7.5
	3600	213T	M7045T-I	Ⓢ	1,429	SD	19.57	166	88.5	230/460	8.9	1,19
10	1800	213T	M7047T-I	Ⓢ	1,382	SD	20.32	177	89.5	230/460	10.2	1,19
		213T	M7047T-I-5	Ⓢ	1,382	SD	20.32	165	89.5	575	8.2	1,19
	1200	254T	M7048T-I	Ⓢ	2,017	SD	25.50	381	89.5	230/460	11.1	1,19
15	3600	215T	M7174T-I	Ⓢ	1,681	SD	19.90	236	89.5	230/460	11.6	1,19
		215T	M7170T-I	Ⓢ	1,866	SD	20.03	225	89.5	230/460	12.7	1,19
	1200	256T	M7065T-I	Ⓢ	2,425	SD	25.50	357	89.5	230/460	14.4	1,19
20	3600	254T	M7053T-I	Ⓢ	1,900	SD	25.50	292	90.2	230/460	17	1,19
		254T	M7054T-I	Ⓢ	2,162	SD	25.50	387	91	230/460	18	1,19
	1200	284T	M7054T-I-5	Ⓢ	2,162	SD	25.50	381	91	575	14.4	1,19
25	3600	284T	M7057T-I	Ⓢ	3,910	SD	28.61	436	90.2	230/460	21	1,19
		256T	M7059T-I	Ⓢ	2,438	SD	25.50	371	90.2	230/460	23	1,19
	1200	256T	M7056T-I	Ⓢ	2,803	SD	25.50	387	91	230/460	24	1,19
30	3600	256T	M7056T-I-5	Ⓢ	2,803	SD	25.50	381	91	575	19.2	1,19
		286T	M7079T-I	Ⓢ	4,014	SD	28.61	522	90.2	230/460	27	1,19
	1200	284TS	M7063T-I	Ⓢ	3,245	SD	27.24	517	91	230/460	28.5	1,19
40	3600	284T	M7058T-I	Ⓢ	3,468	SD	28.61	549	92.4	230/460	30.8	1,19
		284T	M7058T-I-5	Ⓢ	3,468	SD	28.61	415	92.4	575	24.6	1,19
50	3600	324T	M7082T-I	Ⓢ	5,019	SD	32.00	732	91.7	230/460	31	1,19

(a) See explosion proof symbols on inside back flap.

(b) See notes on inside back flap and pages 5-6.

☛ = Functional Equivalent

■ Cast Iron Frame

These motors expel condensation better than standard explosion proof designs. They are recommended for applications such as fuel transfer terminals and fuel truck loading facilities 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 205.

Three Phase, 1.15 Service Factor

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	Notes ^(b)	
Foot Mounted (continued)													
30	3600	286TS	M7083T-I	⑤	3,814	SD	27.24	534	91	230/460	34	1,19	
	1800	286T	M7060T-I	⑤	4,147	SD	28.61	584	92.4	230/460	36	1,19	
		286T	M7060T-I-5	⑤	4,147	SD	28.61	583	92.4	575	28.8	1,19	
40	1200	326T	M7080T-I	⑤	5,537	SD	32.00	737	91.7	230/460	37	1,19	
	3600	324TS	M7067T-I	⑤	5,088	SD	30.50	718	91.7	230/460	45	1,19	
		1800	324T	M7062T-I	⑤	5,665	SD	32.00	765	93	230/460	47	1,19
			324T	M7062T-I-5	⑤	5,665	SD	32.00	764	93	575	37.6	1,19
	1200	364T	M7084T-I	⑤	6,418	SD	33.25	915	93	230/460	49	1,19	
50	3600	326TS	M7081T-I	⑤	6,516	SD	30.50	704	92.4	230/460	56	1,19	
	1800	326T	M7064T-I	⑤	6,592	SD	32.00	798	93	230/460	60	1,19	
		326T	M7064T-I-5	⑤	6,592	SD	32.00	795	93	575	47	1,19	
	1200	365T	M7085T-I	⑤	7,244	SD	33.25	918	93	230/460	61	1,19	
60	3600	364TS	M7310T-I	⑤	7,526	SD	31.13	765	93	230/460	66	1,19	
	1800	364T	M7066T-I	⑤	7,478	SD	33.25	981	93.6	230/460	69	1,19	
		364T	M7066T-I-5	⑤	7,478	SD	33.25	979	93.6	575	56	1,19	
	1200	404T	M7086T-I	⑤	8,643	SD	38.75	1,233	93.6	230/460	70	1,19	
75	3600	365TS	M7313T-I	⑤	8,722	SD	31.13	800	93	230/460	83	1,19	
	1800	365T	M7068T-I	⑤	9,197	SD	33.25	1,044	94.1	230/460	85	1,19	
		365T	M7068T-I-5	⑤	9,197	SD	33.25	1,031	94.1	575	69	1,19	
	1200	405T	M7087T-I	⑤	9,831	SD	38.75	1,338	93.6	230/460	88	1,19	
100	1800	405T	M7090T-I	⑤	11,118	SD	38.75	1,367	94.5	230/460	109	1,19	
		405T	M7090T-I-5	⑤	11,118	SD	38.75	1,372	94.5	575	87	1,19	
C-Face, Foot Mounted													
1/2	1800	56C	CM7006-I	⑤	724	SD	14.36	45	80	230/460	0.75	1,19	
		➡P56N4051	③	724	SD	12.55	45	80	230/460	0.75			
3/4	1800	56C	CM7010-I	⑤	738	SD	14.36	45	82.5	230/460	1.5	1,19	
		➡P56N4052	③	738	SD	14.31	45	72	230/460	1.5			
1	1800	56C	CM7014-I	⑤	786	SD	14.36	45	82.5	230/460	1.6	1,19	
		➡P56N4054	③	786	SD	13.86	45	82.5	230/460	1.4			
1 1/2	1800	145TC	CM7034T-I	⑤	924	SD	15.23	52	84	230/460	2.2	1,19	
		➡P14N4060	③	924	SD	13.92	50	84	230/460	2.2			
2	1800	145TC	CM7037T-I	⑤	998	SD	15.23	55	84	230/460	2.9	1,19	
		➡P14N4062	③	998	SD	15.23	53	84	230/460	2.8			
3	1800	182TC	CM7042T-I	⑤	1,170	SD	19.59	111	87.5	230/460	4.1	1,19	
5	1800	184TC	CM7044T-I	⑤	1,407	SD	19.59	122	87.5	230/460	6.7	1,19	
7 1/2	1800	213TC	CM7047T-I	⑤	1,630	SD	21.07	174	89.5	230/460	10.2	1,19	
10	1800	215TC	CM7170T-I	⑤	1,928	SD	20.78	232	89.5	230/460	12.7	1,19	
15	1800	254TC	CM7054T-I	⑤	3,366	SD	26.00	387	91	230/460	18	1,19	
20	1800	256TC	CM7056T-I	⑤	3,910	SD	26.00	387	91	230/460	24	1,19	
25	1800	284TC	CM7058T-I	⑤	4,865	SD	28.61	549	92.4	230/460	30.8	1,19	
30	1800	286TC	CM7060T-I	⑤	5,500	SD	28.61	584	92.4	230/460	36	1,19	
40	1800	324TC	CM7062T-I	⑤	7,434	SD	32.00	765	93	230/460	47	1,19	
50	1800	326TC	CM7064T-I	⑤	8,408	SD	32.00	798	93	230/460	60	1,19	
C-Face, Footless													
1/2	1800	56C	VM7006-I	⑤	722	SD	14.29	43	80	230/460	0.75	1,19	
3/4	1800	56C	VM7010-I	⑤	735	SD	14.29	43	75.2	230/460	1.5	1,19	
1	1800	56C	VM7014-I	⑤	772	SD	14.36	45	73.7	230/460	2.2	1,19	
		143TC	VM7014T-I	⑤	772	SD	14.36	45	82.5	230/460	1.4	1,19	
1 1/2	1800	56C	VM7034-I	⑤	831	SD	14.29	48	78.5	230/460	2.5	1,19	
		145TC	VM7034T-I	⑤	831	SD	15.23	50	84	230/460	2.2	1,19	
2	1800	145TC	VM7037T-I	⑤	899	SD	15.23	53	84	230/460	2.9	1,19	
3	1800	182TC	VM7042T-I	⑤	1,153	SD	19.59	105	87.5	230/460	4.1	1,19	
5	1800	184TC	VM7044T-I	⑤	1,404	SD	19.59	122	87.5	230/460	6.7	1,19	
7 1/2	1800	213TC	VM7047T-I	⑤	1,626	SD	21.07	170	89.5	230/460	10.2	1,19	
10	1800	215TC	VM7170T-I	⑤	1,973	SD	20.78	230	89.5	230/460	14.2	1,19	

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^(b) See notes on inside back flap and pages 5-6.

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See page 205.

General Information

Single Phase Motors

General Purpose Industrial Motors

Premium Efficient Super-E® Motors

Severe Duty Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Commercial Motors

HVAC Motors