

**200 Volt,  
Three Phase,  
TEFC, Foot Mounted**

1/2 thru 50 Hp

NEMA 56C thru 326T

**Applications:** Pumps, fans, compressors, blowers, machine tools, conveyors and many other applications requiring 200 volt power.

**Features:** 1.15 Service Factor, positively locked drive end bearing on 254T and larger, ball bearings, dynamically balanced rotors. EM Super-E® motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Foot Mounted</b>											
1	1800	143T	EM3546T-8	727	L1	12.31	38	85.5	200	3.5	1, 68
		143T	M3546T-8	493	L1	12.31	35	82.5	200	3.6	68
1 1/2	1800	145T	EM3554T-8	756	L1	13.31	41	86.5	200	5	1, 68
		145T	M3554T-8	503	L1	13.31	40	84	200	5.4	68
2	1800	145T	EM3558T-8	783	L1	14.19	48	86.5	200	6.8	1, 68
		145T	M3558T-8	528	L1	13.31	43	84	200	6.6	68
3	3600	182T	EM3660T-8	1,123	L1	15.24	85	86.5	200	8.8	1, 68
		182T	EM3661T-8	1,155	L1	15.24	94	89.5	200	9.5	1, 68
		182T	M3611T-8	624	L1	16.52	62	87.5	200	9.5	1, 68
5	3600	184T	EM3663T-8	1,382	L1	15.24	95	88.5	200	14.5	1, 68
		184T	EM3665T-8	1,156	L1	15.24	120	89.5	200	15.1	1, 68
		184T	M3615T-8	718	L1	16.54	80	87.5	200	15.5	1, 68
7 1/2	3600	213T	EM3769T-8	1,599	L1	18.45	155	91	200	19.8	1, 68
		1800	EM3770T-8	1,541	L1	18.45	170	91.7	200	21.4	1, 68
		213T	M3710T-8	917	L1	17.89	116	89.5	200	23.2	1, 68
10	3600	215T	EM3771T-8	1,875	L1	18.45	182	90.2	200	26.8	1, 68
		1800	EM3774T-8	1,730	L1	18.45	231	91.7	200	28	1, 68
		215T	M3714T-8	1,113	L1	19.01	136	89.5	200	31.3	2, 68
15	3600	254T	EM2394T-8	2,582	L1	23.16	253	91	200	40	1, 68
		1800	EM2333T-8	2,375	L1	23.16	238	92.4	200	42.4	1, 30, 68
		254T	M2333T-8	1,953	L1	21.07	236	91	200	42.5	1, 68
20	3600	256T	EM4106T-8	2,834	L1	23.16	285	91	200	52	1, 24, 69
		1800	EM2334T-8	2,881	L1	23.16	303	93	200	55.2	1, 24, 30, 69
		256T	M2334T-8	2,357	L1	23.28	248	91	200	55	1, 24, 69
25	3600	284TS	EM4107T-8	3,697	L1	25.70	282	91.7	200	65	1, 24, 69
		1800	EM4103T-8	3,767	L1	27.76	380	93.6	200	68.4	1, 24, 69
		284T	M4103T-8	2,915	L1	26.08	322	92.4	200	67	1, 24, 69
30	3600	286TS	EM4108T-8	4,395	L1	24.70	294	91.7	200	76	1, 24, 69
		1800	EM4104T-8	4,470	L1	27.76	437	93.6	200	84	1, 24, 69
		286T	M4104T-8	3,443	L1	26.08	322	92.4	200	83	1, 24, 69
40	1800	324T	EM4110T-8	5,845	L1	30.28	578	94.1	200	111	1, 24, 69
		324T	M4110T-8	4,568	L1	30.39	455	93	200	108	1, 24, 69
50	1800	326T	EM4115T-8	6,387	L1	30.28	621	94.5	200	131	1, 24, 69
		326T	M4115T-8	4,729	L1	30.39	451	93	200	137	1, 24, 69
<b>C-Face, Foot Mounted</b>											
1/2	1800	56C	CM3538-8	473	K	11.35	23	74	200	2.2	
1	1800	56C	CM3546-8	478	K	12.00	31	78.5	200	3.9	

(a) See notes on inside back flap.

■ Cast Iron Frame

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

**200 Volt, Three Phase, ODP, Foot Mounted**

**3/4 thru 100 Hp**

**NEMA 56 thru 404T**

**Applications:** Pumps, fans, compressors, blowers, machine tools, conveyors and many other applications requiring 200 volt power.

**Features:** 1.15 Service Factor, positively locked drive end bearing on 254T and larger, ball bearings, dynamically balanced rotors. EM and EFM Super-E motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>F1 Mounting</b>											
1	1800	143T	EM3116T-8	637	L1	11.12	38	85.5	200	3.5	1, 68
		143T	M3116T-8	444	L1	11.12	35	82.5	200	3.6	68
1 1/2	1800	145T	EM3154T-8	665	L1	11.62	37	86.5	200	5.1	1, 68
		145T	M3154T-8	522	L1	11.12	38	84	200	5.5	68
2	1800	145T	EM3157T-8	714	L1	12.12	43	86.5	200	6.5	1, 68
		145T	M3157T-8	530	L1	11.62	38	84	200	7.3	68
3	3600	145T	M3158T-8	615	L1	12.13	43	84	200	8.8	68
	1800	182T	EM3211T-8	769	L1	15.00	74	89.5	200	9.7	1, 68
		182T	M3211T-8	552	L1	14.63	62	86.5	200	9.4	1, 68
5	3600	182T	M3212T-8	637	L1	14.00	55	85.5	200	14.2	68
	1800	184T	EM3218T-8	842	L1	16.50	92	89.5	200	15.3	1, 68
		184T	M3218T-8	612	L1	15.00	72	87.5	200	16.4	1, 68
7 1/2	3600	184T	M3219T-8	873	L1	15.00	75	87.5	200	19.8	1, 68
	1800	213T	EM3311T-8	1,237	L1	16.32	120	91	200	22.2	1, 68
		213T	M3311T-8	866	L1	17.00	95	88.5	200	23	68
10	3600	213T	M3312T-8	1,095	L1	16.32	106	88.5	200	26.8	68
	1800	215T	EM3313T-8	1,496	L1	17.45	135	91.7	200	29.5	1, 68
		215T	M3313T-8	1,060	L1	16.32	125	89.5	200	30.8	68
15	3600	215T	M3314T-8	1,599	L1	16.32	129	89.5	200	40	1, 68
	1800	254T	EM2513T-8	2,120	L1	21.69	234	93	200	40.7	1, 68
		254T	M2513T-8	1,602	L1	19.75	155	91	200	43	1, 68
20	3600	254T	EM2514T-8	2,464	L1	21.69	197	91	200	52.3	1, 24, 69
		256T	M2514T-8	2,045	L1	21.69	185	90.2	200	54	24, 69
	1800	256T	EM2515T-8	2,661	L1	21.69	245	93	200	54.3	1, 24, 69
		256T	M2515T-8	2,062	L1	22.25	197	91	200	55	69
25	3600	256T	EM2516T-8	2,957	L1	21.69	242	91.7	200	63.2	1, 24, 69
		256T	M2516T-8	2,474	L1	21.69	190	91	200	68	24, 69
	1800	284T	EM2531T-8	3,244	L1	23.81	313	93.6	200	69.5	1, 24, 69
		284T	M2531T-8	2,499	L1	23.44	226	91.7	200	70	24, 69
30	3600	284TS	M2534T-8	2,619	L1	22.06	251	91	200	81	24, 69
	1800	286T	EM2535T-8	3,548	L1	25.06	353	94.1	200	81	1, 24, 69
		286T	M2535T-8	2,922	L1	24.94	280	92.4	200	83	24, 69
40	3600	286TS	EM2538T-8	4,495	L1	23.69	377	92.4	200	105	1, 24, 69
		286TS	M2538T-8	3,685	L1	23.56	518	91.7	200	104	24, 69
	1800	324T	EM2539T-8	4,629	L1	26.69	472	94.1	200	107	1, 24, 69
		324T	M2539T-8	3,725	L1	26.19	372	93	200	113	24, 69
50	3600	324TS	M2542T-8	3,819	L1	24.69	331	92.4	200	134	24, 69
	1800	326T	EM2543T-8	5,107	L1	27.69	421	94.5	200	132	1, 24, 69
		326T	M2543T-8	4,372	L1	27.19	427	93	200	140	24, 69
60	1800	364T	EM2547T-8	6,431	L1	30.69	565	95	200	160	1, 24, 69
75	1800	365T	EM2551T-8	7,892	L1	29.70	808	95	200	199	1, 24, 69
100	1800	404T	EM2555T-8	9,183	L1	36.97	560	95.4	200	263	1, 24, 69

(a) See notes on inside back flap.

■ Cast Iron Frame

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes

200 Volt, Three Phase, ODP, Foot Mounted

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>F2 Mounting</b>											
3/4	1800	56	FM3112-8	389	K	10.12	25	74	200	3.2	68
2	1800	145T	EFM3157T-8	714	L1	12.12	43	86.5	200	6.5	1, 68
3	1800	182T	EFM3211T-8	769	L1	15.00	74	89.5	200	9.7	1, 68
5	1800	184T	EFM3218T-8	842	L1	16.50	92	89.5	200	15.3	1, 68
7 1/2	1800	213T	EFM3311T-8	1,237	L1	16.32	129	91	200	22.3	1, 68
		213T	FM3311T-8	866	L1	17.00	96	88.5	200	23	68
10	1800	215T	EFM3313T-8	1,496	L1	17.45	135	91.7	200	29.5	1, 68
		215T	FM3313T-8	1,060	L1	16.32	129	89.5	200	30.8	68
15	1800	254T	EFM2513T-8	2,120	L1	21.69	234	93	200	40.7	1, 68
		254T	FM2513T-8	1,602	L1	19.75	155	91	200	43	1, 68
20	1800	256T	EFM2515T-8	2,661	L1	21.69	245	93	200	54.3	1, 24, 69
		256T	FM2515T-8	2,062	L1	22.25	197	91	200	55	69

(a) See notes on inside back flap.

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

**575 Volt,  
Three Phase,  
TEFC, Foot Mounted**

**1/3 thru 150 Hp**

**NEMA 56 thru 445T**



**Applications:** Pumps, compressors, fans, conveyors, machine tools and other applications where 575 volt three phase power is available.

**Features:** Ball bearings. Mount in any position. Heavy-gauge steel and cast iron frames. EM Super-E® motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1/3	1800	56	M3534-5	340	LS	11.35	21	68	575	0.6	1
	3600	56	M3537-5	366	K	11.35	20	68	575	0.8	1
1/2	1800	56	M3538-5	389	LS	11.35	22	74	575	0.8	1
	1200	56	M3539-5	586	K	11.35	24	72	575	1	1
3/4	3600	56	M3541-5	403	K	11.35	21	74	575	1	1
	1800	56	M3542-5	416	LS	11.35	26	75.5	575	1.2	1
	1200	56/56H	M3543-5	598	K	12.93	37	77	575	1.1	
		143T	M3543T-5	598	L1	13.41	34	77	575	1.2	1
1	3600	56	M3545-5	472	K	11.35	23	75.5	575	1.4	1
	1800	56	M3546-5	433	LS	12.23	30	75.5	575	1.5	
		143T	EM3546T-5	706	LS	12.31	38	85.5	575	1.2	1
	1200	56H	M3556-5	608	K	12.93	35	75.5	575	1.6	
145T		EM3556T-5	846	L1	13.31	41	82.5	575	1.4	1	
1 1/2	3600	143T	EM3550T-5	726	L1	13.31	43	84	575	1.6	1
	1800	145T	EM3554T-5	734	LS	13.31	41	86.5	575	1.8	1
	1200	182T	EM3607T-5	989	L1	16.55	77	87.5	575	2.1	1
2	3600	56/56H	M3555-5	579	K	12.93	40	78.5	575	2.2	
		145T	EM3555T-5	795	L1	14.19	50	85.5	575	2	1
	1800	56/56H	M3558-5	528	LS	12.93	40	82.5	575	2.5	
		145T	EM3558T-5	761	LS	14.19	48	86.5	575	2.4	1
1200	184T	EM3614T-5	1,037	L1	18.05	87	88.5	575	2.8		
3	3600	56/56H	M3559-5	673	K	13.81	48	82.5	575	3	
		145T	EM3559T-5	892	L1	15.56	57	86.5	575	2.8	
	1800	182T	EM3611T-5	840	LS	16.55	70	89.5	575	3.3	1
		182T	EM3661T-5	1,127	L1	15.24	95	89.5	575	3.3	1
1200	213T	EM3704T-5	1,349	L1	19.01	132	89.5	575	3.7	1	
5	3600	184T	EM3613T-5	978	L1	16.54	74	88.5	575	4.7	1
	1800	184T	EM3615T-5	919	LS	18.05	93	89.5	575	5.3	1
		184T	EM3665T-5	1,153	L1	15.24	120	89.5	575	5.3	1
	1200	215T	EM3708T-5	1,524	L1	19.76	154	89.5	575	5.8	1
7 1/2	3600	184T	EM3616T-5	1,290	L1	18.05	96	89.5	575	6.8	1
		213T	EM3709T-5	1,465	L1	17.89	116	89.5	575	6.9	1
	1800	213T	EM3710T-5	1,326	LS	19.02	137	91.7	575	7.6	1
		213T	EM3770T-5	1,504	L1	18.45	170	91.7	575	7.5	1
10	3600	215T	EM3711T-5	1,485	L1	17.89	105	90.2	575	9.5	1
	1800	215T	EM3714T-5	1,497	LS	20.52	165	91.7	575	9.6	1
		215T	EM3774T-5	1,687	L1	18.45	231	91.7	575	9.8	1

(a) See notes on inside back flap.

■ Cast Iron Frame

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes

575 Volt, Three Phase, TEFC, Foot Mounted

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
15	3600	215T	EM3713T-5	2,095	L1	20.52	169	91	575	13.6	1
		254T	EM2394T-5	2,520	L1	23.16	253	91	575	14.1	1
	1800	254T	EM2333T-5	2,306	LS	23.16	255	92.4	575	14.8	1
20	3600	256T	EM4106T-5	2,766	L1	23.16	252	91	575	18.2	1
	1800	256T	EM2334T-5	2,796	LS	23.16	303	93	575	19.2	1
25	3600	284TS	EM4107T-5	3,609	L1	24.70	299	91.7	575	22	1
	1800	284T	EM4103T-5	3,657	LS	27.76	398	93.6	575	23.9	1
30	3600	286TS	EM4108T-5	4,288	L1	24.70	294	91.7	575	26.5	1
	1800	286T	EM4104T-5	4,338	LS	27.76	437	93.6	575	29	1
40	3600	324TS	EM4109T-5	5,877	L1	28.78	528	92.4	575	36	1
	1800	324T	EM4110T-5	5,673	LS	30.28	578	94.1	575	39	1
50	3600	326TS	EM4114T-5	6,429	L1	28.90	575	93	575	45	1
	1800	326T	EM4115T-5	6,199	LS	30.28	623	94.5	575	46	1
60	1800	364T	EM4314T-5	8,919	LS	33.44	919	95	575	54.4	1
75	1800	365T	EM4316T-5	10,429	LS	33.44	958	95.4	575	68.7	1
100	1800	405T	EM4400T-5	12,952	LS	38.06	1183	95.4	575	89.6	1
125	1800	444T	EM4410T-5	16,033	LS	44.75	1669	95.4	575	115	1
		444T	EM4410T-5E	16,033	LS	44.62	1675	95.8	575	111	1, 56
		444T	EM4910T-5	16,033	LS	44.75	1669	95.4	575	115	1, 99
150	1800	445T	EM4406T-5E	18,443	LS	44.62	1813	96.2	575	132	1, 56
		445T	EM4406T-5	18,443	LS	44.75	1826	95.8	575	135	1
		445T	EM4906T-5	18,443	LS	44.75	1826	95.8	575	135	1, 99

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Farm Duty Motors

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Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

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DC Motors and Controls

Soft Start & Dynamic Brakes

**575 Volt,  
Three Phase,  
TEFC, C-Face**

**1/3 thru 30 Hp**

**NEMA 56C thru 286TC**

**Applications:** Pumps, fans, compressors, blowers, machine tools, conveyors and many applications requiring 575 volt power.

**Features:** 1.15 Service Factor. Positively locked drive end ball bearing, dynamically balanced rotors. CEM Super-E® motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)	
<b>C-Face, Foot Mounted</b>												
1/3	1800	56C	CM3534-5	377	LS	11.35	21	68	575	0.6		
1/2	1800	56C	CM3538-5	417	LS	11.35	24	74	575	0.8		
3/4	1800	56C	CM3542-5	443	LS	11.35	27	75.5	575	1.2		
1	1800	56C	CM3546-5	476	K	11.97	31	78.5	575	1.3		
		143TC	CEM3546T-5	741	LS	13.29	38	85.5	575	1.2	1	
		143TC	CEM3581T-5	972	L1	13.03	56	85.5	575	1.2	1	
1 1/2	3600	143TC	CEM3583T-5	1,073	L1	13.03	56	84	575	1.5	1	
		1800	56C	CM3554-5	518	K	12.23	37	81.5	575	1.8	
			145TC	CEM3554T-5	769	LS	13.29	41	86.5	575	1.8	1
2	3600	145TC	CEM3584T-5	1,005	L1	13.03	63	86.5	575	1.7	1	
		145TC	CEM3586T-5	1,076	L1	13.03	59	85.5	575	2	1	
		1800	56C	CM3558-5	555	K	13.23	43	82.5	575	2.4	
			145TC	CEM3558T-5	796	LS	14.17	48	86.5	575	2.4	1
			145TC	CEM3587T-5	1,052	L1	13.03	56	86.5	575	2.3	1
3	3600	145TC	CEM3559T-5	927	L1	14.17	51	86.5	575	2.9	1	
		182TC	CEM3610T-5	954	L1	15.18	58	86.5	575	2.9	1	
		182TC	CEM3660T-5	1,196	L1	16.00	85	86.5	575	3	1	
		1800	182TC	CEM3611T-5	912	LS	16.55	75	89.5	575	3.3	1
			182TC	CEM3661T-5	1,226	L1	16.00	100	89.5	575	3.3	1
5	3600	184TC	CEM3613T-5	1,051	L1	16.55	77	88.5	575	4.7	1	
		184TC	CEM3663T-5	1,450	L1	16.00	95	88.5	575	5.1	1	
		1800	184TC	CEM3615T-5	991	LS	18.05	89	89.5	575	5.3	1
			184TC	CEM3665T-5	1,252	L1	16.00	115	89.5	575	5.3	1
7 1/2	3600	213TC	CEM3769T-5	1,759	L1	19.20	179	89.5	575	6.9	1	
		1800	213TC	CEM3710T-5	1,460	LS	19.76	127	91.7	575	7.6	1
			213TC	CEM3770T-5	1,703	L1	19.20	170	91.7	575	7.5	1
10	3600	215TC	CEM3711T-5	1,620	L1	18.63	123	90.2	575	9.5	1	
		215TC	CEM3771T-5	2,028	L1	19.20	182	90.2	575	9.3	1	
		1800	215TC	CEM3714T-5	1,629	LS	21.26	165	91.7	575	9.6	1
			215TC	CEM3774T-5	1,886	L1	19.20	231	91.7	575	9.8	1
15	3600	215TC	CEM3713T-5	2,229	L1	21.26	169	91	575	13.6	1	
		254TC	CEM2333T-5	3,339	LS	23.78	263	92.4	575	14.8	1	
20	1800	256TC	CEM2334T-5	3,409	L1	23.78	286	93	575	19	1	
25	1800	284TC	CEM4103T-5	4,508	L1	27.76	684	93.6	575	23.9	1	
30	1800	286TC	CEM4104T-5	5,160	L1	27.76	460	93.6	575	28	1	

(a) See notes on inside back flap.

■ Cast Iron Frame

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes

**BALDOR • RELIANCE**  
**575 Volt, Three Phase, TEFC, C-Face**

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>C-Face, Footless</b>											
1/3	1800	56C	VM3534-5	356	LS	11.35	22	68	575	0.6	
	3600	56C	VM3537-5	386	K	11.35	19	68	575	0.8	
1/2	1800	56C	VM3538-5	408	LS	11.35	22	74	575	1	
	3600	56C	VM3541-5	422	K	11.35	21	74	575	1	
3/4	1800	56C	VM3542-5	434	LS	11.35	25	75.5	575	1.2	
	3600	56C	VM3545-5	494	K	11.35	24	75.5	575	1.4	
1	1800	56C	VM3546-5	760	LS	12.23	39	85.5	575	1.2	
		56C	VM3546-5	453	LS	12.23	30	75.5	575	1.5	
		143TC	VM3546T-5	775	LS	12.29	38	85.5	575	1.2	
		143TC	VM3581T-5	968	L1	13.03	56	85.5	575	1.2	1
		143TC	VM3546T-5	551	LS	12.31	34	82.5	575	1.3	
1 1/2	3600	56C	VM3550-5	537	K	11.97	29	80	575	1.8	
		143TC	VM3550T-5	757	L1	12.29	36	84	575	1.5	
		143TC	VM3550T-5	623	L1	12.29	38	82.5	575	1.6	
	1800	56C	VM3554-5	509	LS	12.23	37	81.5	575	1.8	
		145TC	VM3584T-5	970	L1	13.03	63	86.5	575	1.7	1
2	1800	145TC	VM3554T-5	561	LS	13.29	40	84	575	1.9	
2	1800	56C	VM3555-5	598	K	12.85	34	80	575	2.2	
		56C	VM3558-5	546	LS	13.23	43	82.5	575	2.4	
		145TC	VM3558T-5	832	LS	14.17	48	86.5	575	2.4	
		145TC	VM3587T-5	1,045	L1	13.03	56	86.5	575	2.3	1
		145TC	VM3587T-5	589	LS	13.31	45	84	575	2.2	
3	3600	56C	VM3559-5	693	K	13.23	44	82.5	575	3	1
		182TC	VM3610T-5	938	L1	15.18	63	86.5	575	2.9	
		182TC	VM3610T-5	887	L1	15.18	55	85.5	575	3	1
	1800	182TC	VM3611T-5	1,030	L1	16.55	70	89.5	575	3.3	
		182TC	VM3661T-5	1,237	L1	16.00	100	89.5	575	3.3	1
5	1800	182TC	VM3611T-5	711	LS	16.55	62	87.5	575	3.3	1
5	3600	184TC	VM3613T-5	1,035	L1	16.55	74	88.5	575	4.7	
		184TC	VM3613T-5	1,010	L1	16.55	72	87.5	575	4.8	1
	1800	184TC	VM3615T-5	1,123	L1	18.05	93	89.5	575	5.3	
		184TC	VM3665T-5	1,237	L1	16.00	120	89.5	575	5.3	1
		184TC	VM3615T-5	814	LS	16.55	82	87.5	575	5.5	1
7 1/2	3600	213TC	VM3709T-5	1,580	L1	19.28	100	89.5	575	6.8	
		213TC	VM3709T-5	1,527	L1	19.28	92	88.5	575	7	1
	1800	213TC	VM3710T-5	1,438	L1	19.76	124	91.7	575	7.6	
		213TC	VM3770T-5	1,680	L1	19.25	170	91.7	575	7.5	1
		213TC	VM3710T-5	1,086	LS	18.63	120	89.5	575	8.1	1
10	3600	215TC	VM3711T-5	1,596	L1	18.63	118	90.2	575	9.5	
		215TC	VM3711T-5	1,588	L1	18.63	118	89.5	575	9.6	1
	1800	215TC	VM3714T-5	1,607	L1	21.26	165	91.7	575	9.6	
		215TC	VM3774T-5	1,864	L1	19.25	231	91.7	575	9.8	
15	3600	215TC	VM3714T-5	1,293	LS	19.76	136	89.5	575	10.8	1
		215TC	VM3713T-5	2,211	L1	21.26	169	91	575	13.6	
	1800	215TC	VM3713T-5	1,983	L1	20.51	170	90.2	575	13.8	1
254TC		VM2333T-5	3,134	L1	23.66	255	92.4	575	14.8		
20	1800	254TC	VM2333T-5	2,515	LS	23.66	266	91	575	14.5	1
		256TC	VM2334T-5	3,699	L1	23.66	303	93	575	19.2	
		256TC	VM2334T-5	2,944	LS	23.66	248	91	575	19.3	1

(a) See notes on inside back flap.

■ Cast Iron Frame

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

**Premium Efficient,  
Severe Duty,  
575 Volt,  
Three Phase,  
TEFC**

**1 thru 200 Hp**

**NEMA 143T thru 447T**

**Applications:** Petro-chemical plants, mines, foundries, pulp and paper plants, waste management facilities, chemical plants, tropical climates and other processing industry applications requiring protection against corrosion caused by severe environmental operating conditions.



**Features:** ECP motors are XEX designs. 1.15 Service Factor, corrosion resistant epoxy finish, regreasable ball or roller bearings, oversized rotatable cast iron conduit box, cast iron frames, V-Ring shaft seal, moisture resistant copper windings, Class F insulation, stainless steel nameplate and corrosion resistant hardware. ECP/XEX Super-E® motors have NEMA Premium® efficiency and 3 year warranty. Positive Lubrication System (PLS) on 360 frame and larger.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1	1800	143T	ECP3581T-5	1,044	SD	12.88	65	87.5	575	1.2	1
1 1/2	1800	145T	ECP3584T-5	1,063	SD	12.88	63	88.5	575	1.7	1
2	1800	145T	ECP3587T-5	1,110	SD	12.88	75	88.5	575	2.3	1
3	1800	182T	ECP3661T-5	1,404	SD	15.93	106	90.2	575	3.4	1
	1200	213T	ECP3764T-5	1,971	SD	19.50	211	90.2	575	3.6	1
5	1800	184T	ECP3665T-5	1,429	SD	15.93	121	89.5	575	5.3	1
	1200	215T	ECP3768T-5	1,998	SD	19.50	196	90.2	575	5.8	1
7 1/2	1800	213T	ECP3770T-5	1,799	SD	19.50	170	91.7	575	7.5	1
	1200	254T	ECP2276T-5	2,858	SD	24.69	302	91.7	575	8.7	1
10	1800	215T	ECP3774T-5	2,154	SD	19.50	231	92.4	575	10	1
	1200	256T	ECP2332T-5	3,713	SD	24.69	322	91.7	575	11.5	1
15	1800	254T	ECP2333T-5	2,745	SD	24.69	297	92.4	575	14.8	1
	1200	284T	ECP4100T-5	4,257	SD	27.93	429	93	575	15.9	1
20	1800	256T	ECP2334T-5	2,944	SD	24.69	303	93	575	19.2	1
	1200	286T	ECP4102T-5	5,784	SD	27.93	478	93	575	20.6	1
25	1800	284T	ECP4103T-5	3,852	SD	27.93	395	93.6	575	23.9	1
	1200	324T	ECP4111T-5	6,044	SD	30.27	605	93	575	25.7	1
30	1800	286T	ECP4104T-5	4,574	SD	27.93	465	94.1	575	29	1
40	1800	324T	ECP4110T-5	5,984	SD	30.27	599	94.5	575	36.8	1
50	1800	326T	ECP4115T-5	7,024	SD	30.27	625	94.5	575	45.6	1
60	1800	364T	ECP4314T-5	9,414	SD	33.44	841	95	575	54.4	1
75	1800	365T	ECP4316T-5	11,000	SD	33.44	942	95.4	575	68.7	1
100	1800	405T	ECP4400T-5	14,439	SD	38.03	1286	95.4	575	89.6	1
125	1800	444T	ECP4410T-5	17,070	SD	44.75	1669	95.4	575	115	1
		444T	ECP4410T-5E	17,070	SD	44.62	1670	95.4	575	112	1, 56
		444T	ECP4910T-5	17,070	SD	44.75	1669	95.4	575	115	1, 99
150	1800	445T	ECP4406T-5	19,997	SD	44.75	1826	95.8	575	135	1
		445T	ECP4406T-5E	19,997	SD	44.62	1860	96.2	575	132	1, 56
		445T	ECP4906T-5	19,997	SD	44.75	1826	95.8	575	135	1, 99
200	1800	447T	ECP4407T-5	24,056	SD	48.24	2676	96.2	575	178	1
		447T	ECP4907T-5	24,056	SD	48.24	2676	96.2	575	178	1, 99

(a) See notes on inside back flap.

■ Cast Iron Frame

All ratings are 1.15 service factor at 40°C ambient. All ratings meet 50°C ambient at 1.00 service factor and weatherproof intent of IEEE 45 and USCG 259 marine duty (below deck).

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes



**IEEE 841,  
575 Volts,  
Three Phase,  
Totally Enclosed,  
Foot Mounted**

**1 thru 250 Hp**

**NEMA 143T thru 449T**

**Applications:** Petro-chemical, pulp and paper, cement, aggregate mining and other process industries requiring premium efficient motors designed, manufactured and tested to exceed IEEE 841-2009 TEFC motor standards for extreme severe duty service.

**Features:** Built to 841XL design. Super-E electrical design that meets or exceeds NEMA Premium® efficiency requirements. Rugged Cast Iron construction includes frame, end bells, conduit box and fan cover. IP56 enclosure. Inpro/Seal VBX (thru 210 frame) and VBXX labyrinth bearing isolaters on drive end and opposite drive end of shaft. Positive Lubrication System (PLS) with oversize bearings on both ends of the motor. Terminal lugs on ends of motor leads. Final test and vibration results provided on every motor. Motors are marked suitable for Division 2/Zone 2 locations with a T3 (200° C) temperature code. 5 year warranty.



Hp	RPM	NEMA Frame	Enclosure	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Foot Mounted</b>												
1	3600	143T	TEFC	ECP83580T-5	1,043	SD	12.88	53	84	575	1.1	1
	1800	143T	TEFC	ECP83581T-5	1,145	SD	12.87	70	87.5	575	1.2	1
	1200	145T	TEFC	ECP83582T-5	1,228	SD	12.88	62	82.5	575	1.4	1
1 1/2	3600	143T	TEFC	ECP83583T-5	1,120	SD	12.88	71	85.5	575	1.6	1
	1800	145T	TEFC	ECP83584T-5	1,165	SD	12.87	63	88.5	575	1.7	1
	1200	182T	TEFC	ECP83667T-5	1,414	SD	15.93	99	87.5	575	2	1
2	3600	145T	TEFC	ECP83586T-5	1,161	SD	12.88	66	86.5	575	1.9	1
	1800	145T	TEFC	ECP83587T-5	1,217	SD	12.87	67	88.5	575	2.3	1
	1200	184T	TEFC	ECP83664T-5	1,537	SD	15.93	116	88.5	575	2.5	1
3	3600	182T	TEFC	ECP83660T-5	1,465	SD	15.93	105	88.5	575	2.7	1
	1800	182T	TEFC	ECP83661T-5	1,541	SD	15.93	100	89.5	575	3.3	1
	1200	213T	TEFC	ECP83764T-5	2,143	SD	19.32	211	89.5	575	3.6	1
5	3600	184T	TEFC	ECP83663T-5	1,805	SD	15.93	125	89.5	575	4.5	1
	1800	184T	TEFC	ECP83665T-5	1,570	SD	15.93	121	89.5	575	5.3	1
	1200	215T	TEFC	ECP83768T-5	2,215	SD	19.32	226	89.5	575	5.7	1
7 1/2	3600	213T	TEFC	ECP83769T-5	2,356	SD	19.32	179	91.7	575	6.9	1
	1800	213T	TEFC	ECP83770T-5	1,978	SD	19.32	199	91.7	575	6.9	1
	1200	254T	TEFC	ECP82276T-5	3,352	SD	24.68	302	91.7	575	8.7	1
10	3600	215T	TEFC	ECP83771T-5	2,508	SD	19.32	225	91.7	575	8.6	1
	1800	215T	TEFC	ECP83774T-5	2,342	SD	19.32	231	91.7	575	9.8	1
	1200	256T	TEFC	ECP82332T-5	4,079	SD	24.68	355	91.7	575	11.5	1
15	3600	254T	TEFC	ECP82394T-5	3,264	SD	24.68	239	91.7	575	13.8	1
	1800	254T	TEFC	ECP82333T-5	3,015	SD	25.06	280	92.4	575	14	1
	1200	284T	TEFC	ECP84100T-5	4,712	SD	27.93	420	92.4	575	15.6	1
20	3600	256T	TEFC	ECP84106T-5	3,742	SD	24.68	310	91.7	575	17.8	1
	1800	256T	TEFC	ECP82334T-5	3,260	SD	25.06	325	93	575	19	1
	1200	286T	TEFC	ECP84102T-5	6,350	SD	27.93	420	92.4	575	21	1
25	3600	284TS	TEFC	ECP84107T-5	4,575	SD	26.56	383	91.7	575	22.8	1
	1800	284T	TEFC	ECP84103T-5	4,228	SD	27.93	420	93.6	575	23.9	1
	1200	324T	TEFC	ECP84111T-5	6,692	SD	30.53	635	93	575	25.4	1
30	3600	286TS	TEFC	ECP84108T-5	5,480	SD	26.56	422	93	575	26.6	1
	1800	286T	TEFC	ECP84104T-5	4,979	SD	27.93	480	93.6	575	28	1
	1200	326T	TEFC	ECP84117T-5	8,709	SD	30.53	640	93	575	30.9	1
40	3600	324TS	TEFC	ECP84109T-5	7,498	SD	29.03	587	92.4	575	36	1
	1800	324T	TEFC	ECP84110T-5	6,629	SD	30.53	599	94.5	575	37	1
	1200	364T	TEFC	ECP84308T-5	10,662	SD	33.44	902	94.1	575	39.5	1
50	3600	326TS	TEFC	ECP84114T-5	7,821	SD	29.03	633	93	575	45	1
	1800	326T	TEFC	ECP84115T-5	7,783	SD	30.53	633	94.5	575	45.6	1
	1200	365T	TEFC	ECP84312T-5	11,355	SD	33.44	839	94.1	575	49.3	1

(a) See notes on inside back flap.

■ Cast Iron Frame

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

IEEE 841, 575 Volts, Three Phase, Totally Enclosed, Foot Mounted

Hp	RPM	NEMA Frame	Enclosure	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
60	3600	364TS	TEFC	ECP84310T-5	11,558	SD	31.31	932	95	575	52	1
	1800	364T	TEFC	ECP84314T-5	10,335	SD	33.44	920	95	575	54.4	1
	1200	404T	TEFC	ECP84403T-5	14,718	SD	38.31	1324	95	575	55.2	1
75	3600	365TS	TEFC	ECP84313T-5	12,802	SD	31.31	983	95	575	64.5	1
	1800	365T	TEFC	ECP84316T-5	12,019	SD	33.44	985	95.4	575	68.7	1
	1200	405T	TEFC	ECP84404T-5	17,827	SD	38.31	1253	95	575	69.5	1
100	3600	405TS	TEFC	ECP84402T-5	15,341	SD	38.31	1310	95	575	88	1
	1800	405T	TEFC	ECP84400T-5	16,043	SD	38.31	1346	95.4	575	89.6	1
	1200	444T	TEFC	ECP84409T-5	19,609	SD	44.75	1765	95	575	92	1
		444T	TEFC	ECP84409T-5E	19,609	SD	44.62	1737	95	575	92	1, 56
125	3600	444TS	TEFC	ECP84412T-5	17,941	SD	40.98	1740	95.4	575	109	1
		444TS	TEFC	ECP84412T-5E	17,941	SD	40.88	1539	95.4	575	109	1, 56
	1800	444T	TEFC	ECP84410T-5	18,198	SD	44.75	1802	95.8	575	111	1
		444T	TEFC	ECP84410T-5E	18,198	SD	44.62	1779	95.8	575	111	1, 56
	1200	445T	TEFC	ECP84411T-5	22,257	SD	44.75	1901	95.4	575	114	1
		445T	TEFC	ECP84411T-5E	22,257	SD	44.62	1901	95.4	575	114	1, 56
150	3600	445TS	TEFC	ECP84413T-5	20,617	SD	40.98	1975	96.2	575	131	1
		445TS	TEFC	ECP84413T-5E	20,617	SD	40.88	2017	96.2	575	131	1, 56
	1800	445T	TEFC	ECP84406T-5	21,521	SD	44.75	1927	96.2	575	132	1
		445T	TEFC	ECP84406T-5E	21,521	SD	44.62	1914	96.2	575	132	1, 56
	1200	447T	TEFC	ECP844156TR-5	25,964	SD	48.24	2000	95.8	575	136	1, 5
		447T	TEFC	ECP849156TR-5	25,964	SD	48.24	2000	95.8	575	136	1, 5, 99
200	3600	447TS	TEFC	ECP84416T-5	27,256	SD	43.92	1982	96.2	575	177	1
		445TS	TEFC	ECP84416T-5E	27,256	SD	40.88	1904	96.2	575	177	1, 56
	1800	447T	TEFC	ECP84407T-5	25,892	SD	48.24	2676	96.2	575	178	1
		447T	TEFC	ECP84407T-5	27,119	SD	48.24	2676	96.2	575	178	1, 5
		447T	TEFC	ECP84907T-5	25,892	SD	48.24	2676	96.2	575	178	1, 99
		447T	TEFC	ECP84907TR-5	27,119	SD	48.24	2676	96.2	575	178	1, 5, 99
	1200	449T	TEFC	ECP844206TR-5	34,092	SD	53.24	2963	95.8	575	180	1, 5
		449T	TEFC	ECP849206TR-5	34,092	SD	53.24	2963	95.8	575	180	1, 5, 99
	250	3600	449TS	TEFC	ECP844252T-5	43,915	SD	49.48	2595	96.2	575	212
449TS			TEFC	ECP849252T-5	43,915	SD	49.48	2595	96.2	575	212	1, 99
1800		449T	TEFC	ECP84408T-5	33,052	SD	53.24	2941	96.2	575	220	1
		449T	TEFC	ECP84408TR-5	34,246	SD	53.24	2677	96.2	575	220	1, 5
		449T	TEFC	ECP84908T-5	33,052	SD	53.24	2941	96.2	575	220	1, 99
		449T	TEFC	ECP84908TR-5	34,246	SD	53.24	2677	96.2	575	220	1, 5, 99

C-Face, Foot Mounted

2	1800	145TC	TEFC	CECP83587T-5	1,262	SD	13.38	80	88.5	575	2.3	1
3	1800	182TC	TEFC	CECP83661T-5	1,644	SD	16.69	114	89.5	575	3.3	1
5	1800	184TC	TEFC	CECP83665T-5	1,653	SD	16.69	135	89.5	575	5.3	1
7 1/2	1800	213TC	TEFC	CECP83770T-5	2,094	SD	20.06	211	91.7	575	7.6	1
10	1800	215TC	TEFC	CECP83774T-5	2,531	SD	20.06	231	91.7	575	9.8	1
15	1800	254TC	TEFC	CECP82333T-5	3,465	SD	25.19	280	92.4	575	14	1
20	1800	256TC	TEFC	CECP82334T-5	3,666	SD	25.19	322	93	575	19	1
25	1800	284TC	TEFC	CECP84103T-5	5,145	SD	27.93	420	93.6	575	23.9	1
30	1800	286TC	TEFC	CECP84104T-5	5,892	SD	27.93	460	93.6	575	28	1
40	1800	324TC	TEFC	CECP84110T-5	7,637	SD	30.53	670	94.5	575	36.8	1
50	1800	326TC	TEFC	CECP84115T-5	8,790	SD	30.53	725	94.5	575	45.6	1

(a) See notes on inside back flap.

Cast Iron Frame

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes

**575 Volt,  
Three Phase,  
C-Face, Washdown,  
Totally Enclosed**

**1/2 thru 20 Hp**

**NEMA 56C thru 256TC**

**Applications:** Food processing and other applications that regularly expose the motor to high pressure wash down.



**Features:** 300 series stainless steel hardware, moisture sealant on bolt heads, between frame and endplates. Neoprene gaskets. Double sealed ball bearings. Forsheda® running contact v-ring slinger. Stainless steel shaft extension. Electrostatically applied epoxy finish. Class F insulation. CEWDM Super-E® motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM	NEMA Frame	Enclosure	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>C-Face, Foot Mounted</b>												
1/2	1800	56C	TENV	CWDM3538-5	654	WD	11.07	35	78.5	575	0.6	1, 60
3/4	1800	56C	TENV	CWDM3542-5	709	WD	11.06	37	80	575	0.9	1, 60
1	1800	56C	TENV	CEWDM3546-5	1,044	WD	12.06	39	85.5	575	1.2	1, 60
		56C	TENV	CWDM3546-5	760	WD	11.06	34	82.5	575	1.2	1, 60
1 1/2	1800	145TC	TENV	CEWDM3554T-5	1,115	WD	13.00	50	86.5	575	1.7	1, 60
		145TC	TENV	CWDM3554T-5	823	WD	12.12	41	85.5	575	1.8	1, 60
2	1800	145TC	TEFC	CEWDM3558T-5	1,229	WD	14.16	48	86.5	575	2.4	1
3	1800	182TC	TEFC	CEWDM3611T-5	1,614	WD	16.54	70	89.5	575	3.3	1
5	1800	184TC	TEFC	CEWDM3615T-5	1,829	WD	18.04	93	89.5	575	5.3	1
7 1/2	1800	213TC	TEFC	CEWDM3710T-5	2,314	WD	19.78	195	91.7	575	8.2	1
10	1800	215TC	TEFC	CEWDM3714T-5	2,630	WD	21.27	165	91.7	575	9.6	1
15	1800	254TC	TEFC	CEWDM23933T-5	5,172	WD	23.57	247	92.4	575	14.5	1
20	1800	256TC	TEFC	CEWDM23934T-5	5,998	WD	23.57	249	93	575	19	1
<b>C-Face, Footless</b>												
1/2	1800	56C	TENV	VWDM3538-5	649	WD	11.06	29	75.5	575	0.6	1, 60
3/4	1800	56C	TENV	VWDM3542-5	705	WD	11.06	37	80	575	0.9	1, 60
1	1800	56C	TENV	VWDM3546-5	755	WD	11.06	34	82.5	575	1.2	1, 60
1 1/2	1800	145TC	TENV	VWDM3554T-5	815	WD	12.12	41	85.5	575	1.8	1, 60
2	1800	145TC	TEFC	VWDM3558T-5	926	WD	13.28	45	84	575	2.2	1

(a) See notes on inside back flap.

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

**575 Volt,  
Stainless Steel,  
Three Phase,  
Totally Enclosed,  
C-Face**

**1/2 thru 2 Hp**

**NEMA 56C thru 145TC**

**Applications:** Food processing, packaging, outdoor and highly corrosive environments.

**Features:** All external surfaces 300 series stainless steel: motor frame, endplates, conduit box, shaft and base. Moisture resistant insulation system. Four condensate drains in each endplate. Endplate rabbets sealed and conduit box gasketed. Labyrinth seals each end. Especially effective in highly corrosive environments where paint or other finishes do not hold up. Super-E® motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM	NEMA Frame	Enclosure	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Foot Mounted</b>												
1/2	1800	56C	TENV	<b>CSSWDM3538-5</b>	1,336	WD	11.09	33	80	575	0.7	60
3/4	1800	56C	TENV	<b>CSSWDM3542-5</b>	1,383	WD	11.09	42	82.5	575	0.9	60
1	1800	56C	TENV	<b>CSSWDM3546-5</b>	1,420	WD	11.09	43	85.5	575	1.2	60
		143TC	TEFC	<b>CESSWDM3546T-5</b>	1,426	WD	13.42	46	87.5	575	1.3	
1 1/2	1800	145TC	TEFC	<b>CESSWDM3554T-5</b>	1,453	WD	13.42	49	87.5	575	1.7	
2	1800	145TC	TEFC	<b>CESSWDM3558T-5</b>	1,746	WD	15.67	62	88.5	575	2.2	

(a) See notes on inside back flap.

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes

**BALDOR • RELIANCE**

**575 Volt,  
Three Phase,  
ODP, Foot Mounted**

**1/3 thru 150 Hp**

**NEMA 56 thru 444T**

**Applications:** Pumps, compressors, fans, conveyors, machine tools and other applications where 575 volt three phase power is available.

**Features:** Ball bearings. Mount in any position. Heavy-gauge steel and cast iron frames. EM Super-E® motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1/3	1800	56	M3104-5	300	LS	9.50	20	68	575	0.6	
1/2	1800	56	M3108-5	341	LS	9.50	22	74	575	0.8	
3/4	1800	56	M3112-5	381	LS	10.12	25	75.5	575	1.2	
1	1800	56	M3116-5	429	LS	11.75	28	78.5	575	1.3	
		143T	EM3116T-5	711	LS	11.12	38	85.5	575	1.2	1
1 1/2	1800	145T	EM3154T-5	743	LS	11.62	37	86.5	575	1.8	1
2	1800	145T	EM3157T-5	796	LS	12.12	43	86.5	575	2.3	1
3	1800	182T	EM3211T-5	858	LS	15.00	74	89.5	575	3.4	1
5	1800	184T	EM3218T-5	940	LS	16.50	92	89.5	575	5.3	1
7 1/2	1800	213T	EM3311T-5	1,381	LS	16.32	120	91	575	7.8	1
10	1800	215T	EM3313T-5	1,672	LS	17.45	136	91.7	575	10	1
15	1800	254T	EM2513T-5	2,367	LS	21.69	273	93	575	14.1	1
20	1800	256T	EM2515T-5	2,597	L1	21.69	237	93	575	18.9	1
25	1800	284T	EM2531T-5	3,166	L1	23.81	330	93.6	575	24.2	1
30	1800	286T	EM2535T-5	3,462	L1	25.06	356	94.1	575	28	1
40	1800	324T	EM2539T-5	4,516	L1	27.19	378	94.1	575	40	1
50	1800	326T	EM2543T-5	4,983	L1	27.69	465	94.5	575	46	1
60	1800	364T	EM2547T-5	6,274	L1	30.69	565	95	575	56	1
75	1800	365T	EM2551T-5	7,701	L1	33.72	740	95	575	68	1
100	1800	404T	EM2555T-5	8,959	L1	36.97	655	95.4	575	93	1
125	1800	405T	EM2559T-5	10,991	L1	34.47	712	95.4	575	114	1
150	1800	444T	EM2558T-5	12,208	L1	39.56	1804	96.2	575	136	1

(a) See notes on inside back flap.

■ Cast Iron Frame

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

**575 Volt,  
Three Phase,  
Close-Coupled Pump,  
TEFC and ODP,  
C-Face**

**1 thru 20 Hp**

**NEMA 143JM thru 256JM**

**Applications:** Applications for circulating and transferring fluids.

**Features:** Over-sized ball bearings with locked drive end construction for minimum shaft movement. Open drip-proof, close coupled pump motors are furnished with rodent screens at both ends. EJMM Super-E® motors have NEMA Premium® efficiency. 3 year warranty.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Foot Mounted, Totally Enclosed Fan Cooled</b>											
1	1800	143JM	JMM3546T-5	657	L1	15.43	34	82.5	575	1.2	
1 1/2	3600	143JM	JMM3550T-5	690	L1	15.43	39	82.5	575	1.6	
	1800	145JM	JMM3554T-5	690	L1	15.43	40	84	575	1.9	
2	3600	145JM	JMM3555T-5	769	L1	15.43	44	84	575	2.1	
	1800	145JM	JMM3558T-5	721	L1	15.43	51	84	575	2.2	
3	3600	145JM	JMM3559T-5	862	L1	16.31	55	85.5	575	3	1
		182JM	JMM3610T-5	894	L1	16.69	63	85.5	575	2.8	
5	1800	182JM	JMM3611T-5	862	L1	18.22	72	87.5	575	3.3	1
	3600	184JM	JMM3613T-5	1,104	L1	18.06	76	87.5	575	4.8	1
7 1/2	1800	184JM	JMM3615T-5	964	L1	18.06	81	87.5	575	5.5	1
	3600	184JM	JMM3616T-5	1,249	L1	19.56	94	88.5	575	7	2, 20
10	1800	213JM	JMM3710T-5	1,233	L1	19.81	120	89.5	575	8.1	1
	3600	215JM	JMM3711T-5	1,682	L1	19.81	125	89.5	575	9.6	1
15	1800	215JM	JMM3714T-5	1,556	L1	20.94	136	89.5	575	10.8	2, 20
	3600	215JM	JMM3713T-5	2,216	L1	21.69	170	90.2	575	13.8	
15	3600	254JM	JMM2394T-5	2,915	L1	23.07	225	90.2	575	13.5	1
	1800	254JM	JMM2333T-5	2,842	L1	23.07	236	91	575	15.2	1
<b>Footless, Totally Enclosed Fan Cooled</b>											
1	1800	143JM	VJMM3546T-5	670	L1	14.43	34	82.5	575	1.2	
1 1/2	1800	145JM	VJMM3554T-5	701	L1	15.43	40	84	575	1.9	
2	1800	145JM	VJMM3558T-5	733	L1	15.43	45	84	575	2.2	
3	1800	182JM	VJMM3611T-5	876	L1	18.20	72	87.5	575	3.3	1
5	1800	184JM	VJMM3615T-5	981	L1	19.70	90	87.5	575	5.2	1
7 1/2	1800	213JM	VJMM3710T-5	1,274	L1	19.79	115	89.5	575	8.1	1
10	1800	215JM	VJMM3714T-5	1,573	L1	20.92	136	89.5	575	10.8	2, 20
15	1800	254JM	VJMM2333T-5	2,867	L1	21.82	236	91	575	15.2	1
20	1800	256JM	VJMM2334T-5	2,964	L1	25.28	267	91	575	19.1	1
<b>Foot Mounted, Open Drip Proof</b>											
3	3600	145JM	JMM3158T-5	742	L1	14.25	44	84	575	3.1	
	1800	182JM	JMM3211T-5	735	L1	17.04	59	86.5	575	3.2	1
5	3600	182JM	JMM3212T-5	834	L1	15.63	55	85.5	575	4.9	
	1800	184JM	JMM3218T-5	795	L1	16.50	74	87.5	575	5.7	
7 1/2	3600	184JM	JMM3219T-5	1,020	L1	16.50	75	87.5	575	7	1
	1800	213JM	JMM3311T-5	1,155	L1	18.84	95	88.5	575	8	
10	3600	213JM	JMM3312T-5	1,387	L1	18.19	92	88.5	575	9.6	
	1800	215JM	JMM3313T-5	1,372	L1	18.19	128	89.5	575	10.8	
15	3600	215JM	JMM3314T-5	1,864	L1	18.19	129	89.5	575	14.1	1

(a) See notes on inside back flap.

■ Cast Iron Frame

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes

**575 Volt,  
Three Phase,  
Explosion Proof**

**1/2 thru 40 Hp**

**NEMA 56 thru 324T**

**Applications:** Shakers, blowers, pumps, mixers, etc.



**Features:** All models have torques exceeding NEMA standards, copper windings, rotors that are corrosion treated and precision balanced. 1.00 Service Factor. UL and CSA approved for Division 1, Class I, Group D, Class II, Group, F & G, T3C. EM & VEM Super-E® explosion proof motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Foot Mounted, No Drip Cover</b>													
1/2	1800	56	M7006-5	Ⓜ	T3C	719	K	14.30	37	74	575	0.9	
3/4	1800	56	M7010-5	Ⓜ	T3C	828	K	14.30	36	76	575	1.2	
1	3600	56	M7013-5	Ⓜ	T3C	869	K	13.22	31	75.5	575	1.2	
		56	M7014-5	Ⓜ	T3C	907	K	14.30	33	75.5	575	1.5	
	1800	143T	EM7014T-5	Ⓜ	T3C	1,449	LS	14.36	43	85.5	575	1.2	
1 1/2	3600	143T	EM7018T-5	Ⓜ	T3C	1,158	L1	14.36	44	84	575	1.5	
	1800	145T	EM7034T-5	Ⓜ	T3C	1,501	LS	15.23	50	86.5	575	1.8	
2	3600	145T	EM7071T-5	Ⓜ	T3C	1,186	L1	15.23	52	85.5	575	2	
	1800	145T	EM7037T-5	Ⓜ	T3C	1,637	LS	16.10	54	86.5	575	2.4	
3	1800	182T	EM7042T-5	Ⓜ	T3C	1,520	L1	17.42	108	89.5	575	3.3	
5	3600	184T	EM7072T-5	Ⓜ	T3C	1,745	L1	18.12	90	88.5	575	4.7	
	1800	184T	EM7044T-5	Ⓜ	T3C	1,883	L1	18.12	100	89.5	575	5.3	
7 1/2	1800	213T	EM7047T-5	Ⓜ	T3C	2,500	L1	20.32	161	91.7	575	7.6	
10	1800	215T	EM7170T-5	Ⓜ	T3C	3,138	L1	19.90	249	91.7	575	9.8	
15	1800	254T	EM7054T-5	Ⓜ	T3C	4,291	LS	25.50	344	92.4	575	14.8	
20	1800	256T	EM7056T-5	Ⓜ	T3C	5,561	LS	25.50	393	93	575	19.2	
25	1800	284T	EM7058T-5	Ⓜ	T3C	6,745	LS	28.61	494	93.6	575	24.5	
30	1800	286T	EM7060T-5	Ⓜ	T3C	8,240	L1	28.61	518	93.6	575	29	
40	1800	324T	EM7062T-5	Ⓜ	T3C	11,021	LS	32.00	710	94.1	575	39	
<b>C-Face, Footless, No Drip Cover</b>													
1/2	1800	56C	VM7006-5	Ⓜ	T3C	936	K	14.30	37	74	575	0.9	
3/4	1800	56C	VM7010-5	Ⓜ	T3C	953	K	14.30	37	76	575	1.2	
1	1800	56C	VM7014-5	Ⓜ	T3C	1,001	K	14.30	39	75.5	575	1.5	
		143TC	VEM7014T-5	Ⓜ	T3C	1,324	L1	14.33	44	85.5	575	1.2	
		143TC	VM7014T-5	Ⓜ	T3C	1,080	L1	14.33	45	82.5	575	1.2	
1 1/2	1800	145TC	VEM7034T-5	Ⓜ	T3C	1,443	L1	15.21	42	86.5	575	1.8	
		145TC	VM7034T-5	Ⓜ	T3C	1,164	L1	15.21	55	84	575	1.9	
2	1800	145TC	VEM7037T-5	Ⓜ	T3C	1,529	L1	16.09	55	86.5	575	2.4	
		145TC	VM7037T-5	Ⓜ	T3C	1,259	L1	15.21	59	84	575	2.2	
3	1800	182TC	VEM7042T-5	Ⓜ	T3C	1,727	L1	18.86	94	89.5	575	3.3	
		182TC	VM7042T-5	Ⓜ	T3C	1,614	L1	18.86	95	87.5	575	3.3	
5	1800	184TC	VEM7044T-5	Ⓜ	T3C	2,040	L1	20.36	109	89.5	575	5.3	
		184TC	VM7044T-5	Ⓜ	T3C	1,966	L1	18.80	112	87.5	575	5.2	
7 1/2	1800	213TC	VM7047T-5	Ⓜ	T3C	2,275	L1	19.19	157	89.5	575	8.1	

(a) See notes on inside back flap.

Ⓜ = Class I, Group D, Class II, Group F & G

■ 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. The Explosion-proof motors are not suitable for use with adjustable speed drives. Inverter Duty Explosion-proof motors must be used. See page 190.

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

**575 Volt,  
Drill Rig Duty,  
Three Phase,  
1.15 Service Factor,  
Foot Mounted**

**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 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 Division 1, Class I, Group C & D. 1.15 service factor. Suitable for 55°C @ 1.0 service factor.

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
3	1800	182T	EM7042T-I-5	④	T3C	1,521	SD	18.27	106	89.5	575	3.3	1
5	1800	184T	EM7044T-I-5	④	T3C	1,886	SD	19.52	123	89.5	575	5.2	1
7 1/2	1800	213T	EM7047T-I-5	④	T3C	2,325	SD	20.32	161	91.7	575	7.6	1
10	1800	215T	EM7170T-I-5	④	T3C	3,138	SD	20.03	252	92.4	575	10.1	1
15	1800	254T	EM7054T-I-5	④	T3C	3,766	SD	25.50	344	92.4	575	14.8	1
20	1800	256T	EM7056T-I-5	④	T3C	4,714	SD	25.50	393	93	575	19.2	1
25	1800	284T	EM7058T-I-5	④	T3C	5,918	SD	28.61	494	93.6	575	24.5	1
30	1800	286T	EM7060T-I-5	④	T3C	7,216	SD	28.61	518	93.6	575	29	1
40	1800	324T	EM7062T-I-5	④	T3C	9,670	SD	32.00	710	94.1	575	39	1
50	1800	326T	EM7064T-I-5	④	T3C	11,249	SD	32.00	761	94.5	575	45.6	1
60	1800	364T	EM7066T-I-5	④	T3C	12,719	SD	33.44	910	95	575	54.2	1
75	1800	365T	EM7068T-I-5	④	T3C	13,240	SD	33.44	1044	95.4	575	67.2	1
100	1800	405T	EM7090T-I-5	④	T3C	16,981	SD	38.31	1375	95.4	575	89.6	1

(a) See notes on inside back flap.

④ = Class I, Group C & D

■ 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 190.

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes