

Three phase, open drip proof, foot mounted

1/4 thru 450 Hp

IP22



Features:

- Suitable for inverter use per NEMA MG1 part 31.4.4.2 unless note 38 is indicated
- 60 Hz designs with 50 Hz information on 2,4,6 pole 1-125 Hp ratings
- Designed for longevity with a 3 year warranty on premium efficient Super-E® motors
- Optimized airflow design providing higher horsepower in a smaller package

Applications:

- Fans
- Pumps
- Blowers
- Conveyors
- Compressors
- Industrial machines
- Other general purpose applications

Hp	RPM	NEMA Frame	Catalog Number	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
230/460 volts										
1/4	1800	48	EM30003	G03	9.62	21	69.5	230/460	0.5	13, 15, 30, 38
	1200	48	EM30004	G03	9.13	24	67.5	230/460	0.7	13, 15, 30, 38
		56	EM31101	G03	10.25	24	67.5	230/460	0.7	13, 15, 30, 38
1/3	3600	48	EM30006	G03	9.62	22	69.5	230/460	0.6	13, 15, 30, 38
	1800	48	EM30007	G03	9.13	24	73.4	230/460	0.7	13, 15, 30, 38
		56	EM31104	G03	10.25	24	73.4	230/460	0.7	13, 15, 30, 38
1/2	1200	48	EM30008	G03	9.75	27	71.4	230/460	0.9	13, 15, 30, 38
	1200	56	EM31105	G03	10.88	27	71.4	230/460	0.9	13, 15, 30, 38
		3600	48	EM30009	G03	9.62	24	73.4	230/460	0.8
1/2	1800	56	EM30010	G03	10.25	24	73.4	230/460	0.8	12, 15, 30, 38
		48	EM31107	G03	11.12	31	78.2	230/460	0.8	12, 15, 30, 38
	56	EM31108	G03	11.75	31	78.2	230/460	0.8	12, 15, 30, 38	
3/4	1200	48	EM30011	G03	11.75	31	78.2	230/460	0.8	12, 15, 30, 38
		56	EM31109	G03	10.63	34	75.3	230/460	1	12, 15, 30, 38
	900	56	M3160	G03	11.75	34	75.3	230/460	1	12, 15, 30, 38
3/4	3600	48	EM30012	G03	12.07	38	70	230/460	1.3	
		56	EM31111	G03	9.13	22	76.8	230/460	1.2	12, 15, 30, 38
	1800	56	EM31112	G03	10.25	24	76.8	230/460	1.2	12, 15, 30, 38
1	1800	56	EM31112A	G03	11.07	32	81.1	230/460	1	12, 15, 30
		56	EM31153	G03	11.07	32	81.1	208-230/460	1	12, 15
	1200	56	EM31153	G03	12.07	39	81.7	230/460	1.3	1, 15, 30
1	3600	143T	M3153T	G03	12.32	33	77	230/460	1.5	30, 38
		56	EM31115	G03	10.88	27	77	230/460	1.6	12, 15, 30, 38
	56	EM31116	G03	11.07	29	83.5	230/460	1.5	1, 15, 30	
1	1800	56	EM31116A	G03	11.07	29	85.5	230/460	1.5	1, 15, 30
		143T	EM3116T	G03	11.12	34	85.5	230/460	1.5	1, 30
	1200	56H	EM31156	G03	11.75	41	82.5	230/460	1.8	1, 15, 30
1 1/2	1200	145T	EM3156T	G03	11.62	36	82.5	230/460	1.8	1, 30
		900	EM3216T	G03	15.00	65	75.5	230/460	2.1	1, 30
	3600	56	EM31120	G03	11.07	34	84	230/460	2	1, 15, 30
1 1/2	1800	143T	EM3120T	G03	11.12	33	84	230/460	2	1, 30
		56	EM31154	G03	12.07	36	86.5	230/460	2.2	1, 15, 30
	56	EM31154A	G03	12.07	41	86.5	230/460	2.2	1, 15, 30	
2	1200	145T	EM3154T	G03	11.62	37	86.5	230/460	2.2	1, 30
		56H	EM31159	G03	14.00	54	84	230/460	2.6	1, 15, 30
	900	182T	EM3207T	G03	15.00	66	86.5	230/460	2.5	1, 30
2	3600	184T	EM3220T	G03	16.50	82	78.5	230/460	3	1, 30
		56	EM31155	G03	12.07	43	85.5	230/460	2.6	1, 15, 30
	143T	EM3155T	G03	11.62	41	85.5	230/460	2.5	1, 30	
2	1800	145T	EM3157TA	G03	12.13	44	86.5	230/460	2.9	1, 30
		56H	EM31157	G03	12.63	45	86.5	230/460	3	1, 15, 30
	145T	EM3157T	G03	12.12	40	86.5	230/460	2.9	1, 30	
2	1200	184T	EM3215T	G03	16.50	79	87.5	230/460	3.4	1, 30
		900	EM3303T	G03	17.45	111	86.5	230/460	3.5	1, 30

(a) See notes on inside back flap.

Red catalog number indicates NEW product.

Three phase, open drip proof, foot mounted

Hp	RPM	NEMA Frame	Catalog Number	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
230/460 volts (continued)										
3	3600	56H	EM31158	G03	11.75	50	85.5	230/460	3.8	1, 15, 30
		145T	EM3158T	G03	13.00	46	85.5	230/460	3.8	1, 30
	1800	182T	EM3211T	G03	15.00	69	89.5	230/460	4.2	1, 30
		182T	EM3211TA	G03	15.00	65	89.5	230/460	4.4	1, 30
5	1200	213T	EM3305T	G03	16.32	119	88.5	230/460	4.5	1, 30
		3600	182T	EM3212T	G03	13.62	61	86.5	230/460	6
	1800	184T	EM3218T	G03	16.50	84	89.5	230/460	6.6	1, 30
		184T	EM3218TA	G03	16.50	84	89.5	230/460	6.6	1, 30
7 1/2	1200	215T	EM3309T	G03	17.45	139	89.5	230/460	7.4	1, 30
		900	254T	EM2504T	G03	23.19	240	88.5	230/460	7.6
	3600	184T	EM3219T	G03	15.00	74	88.5	230/460	8.6	1, 30
		1800	213T	EM3311T	G03	16.32	115	91	230/460	9.7
10	1200	254T	EM2506T	G03	23.19	239	90.2	230/460	11	1, 30
		900	256T	EM2508T	G03	23.19	260	89.5	230/460	11.7
	3600	213T	EM3312T	G03	16.32	121	89.5	230/460	12	1, 30
		1800	215T	EM3313T	G03	17.45	128	91.7	230/460	12.5
15	1200	256T	EM2511T	G03	23.19	255	91.7	230/460	14.3	1, 30
		3600	215T	EM3314T	G03	16.32	124	90.2	230/460	17.5
	1800	254T	EM2513T	G03	21.69	211	93	230/460	17.7	1, 30
		254T	EM2513T-CI	G03	20.63	238	93	230/460	17.8	1, 30
20	1200	284T	EM2524T	G03	23.81	278	91.7	230/460	20.5	1, 30
		3600	254T	EM2514T	G03	21.69	191	91	230/460	23.5
	1800	256T	EM2515T	G03	21.69	225	93	230/460	23.5	1, 30
		256T	EM2515T-12	G03	21.69	225	93	230/460	23.5	1, 25, 30
25	1200	256T	EM2515T-CI	G03	22.38	281	93	230/460	24	1, 30
		286T	EM2528T	G03	23.81	302	92.4	230/460	27	1, 30
	3600	256T	EM2516T	G03	21.69	222	91.7	230/460	28	1, 30
		284T	EM2531T	G03	25.06	331	93.6	230/460	30	1, 30
30	1800	284T	EM2531T-12	G03	25.06	307	93.6	230/460	30	1, 25, 30
		284T	EM2531T-CI	G03	23.44	382	93.6	230/460	31	1, 30
	1200	324T	EM2532T	G03	27.69	411	93	230/460	34	1, 30
		3600	284TS	EM2534T	G03	22.44	308	91.7	230/460	35
40	1800	286T	EM2535T	G03	25.06	335	94.1	230/460	35	1, 30
		286T	EM2535T-12	G03	25.06	339	94.1	230/460	35	1, 25, 30
	1200	286T	EM2535T-CI	G03	24.94	240	94.1	230/460	35	1, 30
		326T	EM2536T	G03	28.69	380	93.6	230/460	38	1, 30
50	3600	286TS	EM2538T	G03	22.44	329	92.4	230/460	46	1, 30
		286TS	EM2538T-CI	G03	23.57	402	92.4	230/460	46	1, 30
	1800	324T	EM2539T	G03	27.19	396	94.1	230/460	49	1, 30
		324T	EM2539T-12	G03	27.19	397	94.1	230/460	47	1, 25, 30
60	1200	324T	EM2539T-CI	G03	26.13	538	94.1	230/460	46	1, 30
		364T	EM2540T	G03	29.81	598	94.1	230/460	51	1, 30
	3600	364T	EM2540T-CI	G03	29.70	801	94.1	230/460	49.4	1, 30
		324TS	EM2542T	G03	25.69	394	93	230/460	56	1, 30
75	1800	324TS	EM2542T-CI	G03	24.62	548	93	230/460	56	1, 30
		326T	EM2543T	G03	27.69	467	94.5	230/460	57	1, 30
	1200	326T	EM2543T-12	G03	27.69	468	94.5	230/460	61	1, 25, 30
		326T	EM2543T-CI	G03	27.63	570	94.5	230/460	57	1, 30
90	3600	326TS	EM2543TS-12	G03	26.19	469	94.5	230/460	61	1, 25, 30
		365T	EM2544T	G03	33.72	762	94.1	230/460	62	1, 30
	1800	365T	EM2544T-CI	G03	29.70	722	94.1	230/460	60.3	1, 30
		326TS	EM2546T	G03	25.19	458	93.6	230/460	68	1, 30
100	3600	364T	EM2547T	G03	30.69	615	95	230/460	68	1, 30
		364T	EM2547T-12	G03	30.69	620	95	230/460	68	1, 25, 30
	1800	364T	EM2547T-CI	G03	29.70	745	95	230/460	69.5	1, 30
		364TS	EM2547TS-12	G03	28.56	613	95	230/460	68	1, 25, 30
1200	404T	EM2548T	G03	34.47	888	94.5	230/460	76	1, 30	
	404T	EM2548T-4CI	G03	34.00	1009	95	460	70.4	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

Three phase, open drip proof, foot mounted

Hp	RPM	NEMA Frame	Catalog Number	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)	
230/460 volts (continued)											
75	3600	364TS	EM2549T	G03	25.81	502	93.6	230/460	82	1, 30	
		365T	EM2551T	G03	33.72	744	95	230/460	87	1, 30	
	1800	365T	EM2551T-12	G03	33.72	758	95	230/460	85	1, 25	
		365T	EM2551T-CI	G03	29.70	762	95	230/460	86.5	1, 30	
			365TS	EM2551TS-12	G03	31.59	749	95	230/460	85	1, 25
		1200	405T	EM2552T-4	G03	34.00	1067	95	460	86.9	1, 25
100	3600	365TS	EM2550T	G03	27.81	562	93.6	230/460	110	1, 30	
		404T	EM2555T	G03	34.47	930	95.4	230/460	118	1, 30	
	1800	404T	EM2555T-12	G03	36.97	946	95.4	230/460	118	1, 25	
		404T	EM2555T-4	G03	36.97	896	95.4	460	115	1, 25	
			404T	EM2555T-CI	G03	34.00	1038	95.4	230/460	115	1, 30
		1200	444T	EM2583T-4	G03	33.97	941	95.4	230/460	118	1, 25
125	3600	404TS	EM2554T-4	G03	39.56	1455	95	460	116	1, 25	
		404TS	EM2554T-4	G03	31.85	894	94.1	460	143	1, 25	
	1800	404TS	EM2554T-4CI	G03	31.00	997	95	460	143	1	
		405T	EM2559T-4	G03	34.47	955	95.4	460	143	1, 25	
			405T	EM2559T-4CI	G03	34.00	1118	95.4	460	141	1
		1200	445T	EM2557T-4	G03	34.97	1238	95.4	460	143	1, 25
150	3600	405TS	EM2556T-4	G03	39.71	1513	95	460	146	1, 25	
		444T	EM2558T-4	G03	31.85	980	94.1	460	166	1, 25	
	1800	444TS	EM2558TS-4	G03	39.71	1528	96.2	460	170	1, 25	
		444TS	EM2558TS-4	G03	35.96	1519	96.2	460	170	1	
		1200	445T	EM2560T-4	G03	39.71	1572	95.4	460	175	1, 25
	200	3600	444TS	EM2562T-4	G03	39.71	1572	95.4	460	175	1, 25
444TS			EM2562T-4	G03	35.88	1364	95.4	460	221	1, 25	
1800		445T	EM2563T-4	G03	39.56	1625	95.8	460	222	1, 25	
		447T	EM2564T-4	G03	43.06	1827	95.4	460	232	1, 25	
250		3600	445TS	EM2565T-4	G03	35.81	1539	95.4	460	274	1, 25
		1800	447T	EM25254T-4	G03	43.06	2036	96.2	460	275	1, 25
300	3600	445TS	EM2568T-4	G03	35.88	1539	95.8	460	324	1, 25	
		449T	EM25694T-4	G03	48.06	2151	95.8	460	331	1, 25	
350	3600	449TS	EM2571T-4	G03	44.31	4000	95.4	460	380	1, 25	
		449T	EM2572T-4	G03	48.12	2694	96.2	460	382	1, 25	
400	3600	449TS	EM25402T-4	G03	44.31	4000	96.2	460	431	1, 25	
		449T	EM25404T-4	G03	48.12	2677	96.2	460	437	1, 25	
450	3600	449TS	EM25452T-4	G03	44.31	4000	96.2	460	494	1, 25	
		449T	EM25454T-4	G03	48.12	2888	96.2	460	507	1, 25	
200 volts											
1	1800	143T	EM3116T-8	G03	11.12	34	85.5	200	3.5	1, 68	
1 1/2	1800	145T	EM3154T-8	G03	11.62	37	86.5	200	5.1	1, 68	
2	1800	145T	EM3157T-8	G03	12.12	40	86.5	200	6.5	1, 68	
3	3600	145T	EM3158T-8	G03	13.00	51	85.5	200	8.5	1, 68	
	1800	182T	EM3211T-8	G03	15.00	71	89.5	200	9.7	1, 68	
5	3600	182T	EM3212T-8	G03	15.00	69	90.2	200	12.8	1, 68	
	1800	184T	EM3218T-8	G03	16.50	84	89.5	200	15.3	1, 68	
7 1/2	3600	184T	EM3219T-8	G03	15.00	77	88.5	200	20	1, 68	
	1800	213T	EM3311T-8	G03	16.32	114	91	200	22.2	1, 68	
10	3600	213T	EM3312T-8	G03	16.32	121	89.5	200	27.3	1, 68	
	1800	215T	EM3313T-8	G03	17.45	129	91.7	200	29.5	1, 68	
15	3600	215T	EM3314T-8	G03	17.45	131	91.7	200	40	1, 68	
	1800	254T	EM2513T-8	G03	21.69	209	93	200	40.7	1, 68	
20	3600	254T	EM2514T-8	G03	21.69	190	91	200	53	1, 24, 69	
	1800	256T	EM2515T-8	G03	21.69	227	93	200	54.3	1, 24, 69	
25	3600	256T	EM2516T-8	G03	21.69	220	91.7	200	65	1, 24, 69	
	1800	284T	EM2531T-8	G03	25.06	333	93.6	200	70	1, 24, 69	

(a) See notes on inside back flap.

■ Cast iron frame

Three phase, open drip proof, foot mounted

Hp	RPM	NEMA Frame	Catalog Number	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
200 volts (continued)										
30	3600	284TS	EM2534T-8	G03	22.44	320	93.6	200	78	1, 24, 69
	1800	286T	EM2535T-8	G03	25.06	278	94.1	200	81	1, 24, 69
40	3600	286TS	EM2538T-8	G03	22.44	362	92.4	200	105	1, 24, 69
		286TS	M2538T-8	G03	23.56	259	91.7	200	104	16, 24, 69
	1800	324T	EM2539T-8	G03	27.19	434	94.1	200	109	1, 24, 69
		324TS	EM2542T-8	G03	25.69	375	93	200	129	1, 24, 69
50	3600	324TS	EM2542T-8	G03	25.69	375	93	200	129	1, 24, 69
	1800	326T	EM2543T-8	G03	27.69	467	94.5	200	132	1, 24, 69
60	1800	364T	EM2547T-8	G03	30.69	623	95	200	160	1, 24, 69
75	1800	365T	EM2551T-8	G03	29.70	783	95	200	199	1, 24, 69
575 volts										
1/3	1800	56	EM31104-5	G03	9.51	24	73.4	575	0.5	15, 38
1/2	1800	56	EM31108-5	G03	11.01	31	78.2	575	0.7	15, 38
3/4	1800	56	EM31112-5	G03	11.07	33	81.5	575	0.9	15
1	1800	56	EM31116-5	G03	11.07	38	85.5	575	1.2	15
		143T	EM3116T-5	G03	11.12	34	85.5	575	1.2	1
1 1/2	1800	145T	EM3154T-5	G03	11.62	37	86.5	575	1.8	1
2	1800	145T	EM3157T-5	G03	12.12	39	86.5	575	2.3	1
3	1800	182T	EM3211T-5	G03	15.00	69	89.5	575	3.4	1
5	3600	182T	EM3212T-5	G03	15.00	76	90.2	575	4.5	1
	1800	184T	EM3218T-5	G03	16.50	82	89.5	575	5.3	1
7 1/2	3600	184T	EM3219T-5	G03	16.50	92	90.2	575	6.7	1
	1800	213T	EM3311T-5	G03	16.32	114	91	575	7.8	1
10	1800	215T	EM3313T-5	G03	17.45	123	91.7	575	10	1
15	1800	254T	EM2513T-5	G03	21.69	273	93	575	14.1	1
20	1800	256T	EM2515T-5	G03	21.69	227	93	575	18.9	1
25	1800	284T	EM2531T-5	G03	25.06	312	93.6	575	24.5	1
30	1800	286T	EM2535T-5	G03	25.06	333	94.1	575	28	1
40	1800	324T	EM2539T-5	G03	27.19	397	94.1	575	40	1
50	1800	326T	EM2543T-5	G03	27.69	465	94.5	575	46	1
60	1800	364T	EM2547T-5	G03	30.69	430	95	575	56	1
75	1800	365T	EM2551T-5	G03	33.72	740	95	575	68	1
100	1800	404T	EM2555T-5	G03	36.97	943	95.4	575	93	1
125	1800	405T	EM2559T-5	G03	34.47	960	95.4	575	114	1
150	1800	444T	EM2558T-5	G03	39.56	1535	96.2	575	136	1

(a) See notes on inside back flap.

■ Cast iron frame

Red catalog number indicates **NEW** product.

Custom induction motors available up to 30,000 Hp.

Contact your sales representative for additional information.

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty