

**Single Phase, NEMA Frame, TEFC and ODP, Foot Mounted**

**1/3 thru 5 Hp**

Define Purpose Motors

Unit Handling Motors

Brake Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Gearmotors and Gear Products

Motor Accessories

Grinders



**Features:**

- CE certified
- Low noise design
- Vibration dampening base
- Ingress protected conduit box
- Robust capacitor cover
- Dynamically balanced rotor
- High performance ball bearings

**Applications:**

- Fans
- Pumps
- Blowers
- Conveyors
- Compressors
- Industrial machines
- Other 50 Hz general purpose applications

Hp	RPM 50 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Totally Enclosed Fan Cooled, IP54</b>											
1/3	1500	56	<b>L3501-50</b>	418	K	11.34	25	59	110/220	3.2	1
	3000	56	<b>L3503-50</b>	409	K	11.35	27	68	110/220	3.3	
1/2	1500	48	<b>L3409-50</b>	476	K	12.22	31	62	110/220	3.6	
		56	<b>L3504-50</b>	476	K	12.84	32	62	110/220	3.6	
3/4	3000	56	<b>L3506-50</b>	456	K	12.23	35	62	110/220	4.6	
	1500	56	<b>L3507-50</b>	565	K	13.25	38	66	110/220	5	
1	3000	56	<b>L3509-50</b>	531	K	13.23	40	68	110/220	6.3	
	1500	56	<b>L3510-50</b>	650	K	14.12	47	68	110/220	6.2	
1 1/2	1500	56	<b>L3513-50</b>	699	K	14.11	48	68	110/220	9	1
		56	<b>L3514-50</b>	734	K	14.13	46	73	110/220	8	
		145T	<b>L3514T-50</b>	734	L1	14.18	51	73	110/220	8	
2	3000	56	<b>L3515-50</b>	909	K	14.11	53	77	110/220	9.7	1
	1500	182T	<b>L3605T-50</b>	1,039	L1	16.56	76	81	110/220	10	
3	1500	184T	<b>L3609T-50</b>	1,223	L1	18.06	95	84.5	110/220	12.5	2
5	1500	213T	<b>L3708T-50</b>	1,462	L1	17.89	119	84	220	22	2
<b>Open Drip Proof, IP22</b>											
1/3	3000	48	<b>L1205-50</b>	309	K	9.13	22	64.9	110/220	2.6	
	1500	48	<b>L1206-50</b>	376	K	9.38	24	62	110/220	2.3	
1/2	1500	48	<b>L1208-50</b>	340	K	9.75	25	68	110/220	3.3	
		56	<b>L1304-50</b>	428	K	11.01	29	62	110/220	3.7	
3/4	3000	56	<b>L1306-50</b>	414	K	11.01	28	64	110/220	5.3	
	1500	56	<b>L1307-50</b>	529	K	12.07	38	66	110/220	5	
1	3000	56	<b>L1309-50</b>	436	K	11.51	34	66	110/220	6	
	1500	56	<b>L1318-50</b>	645	K	12.07	41	68	110/220	6.5	2
1 1/2	1500	56	<b>L1313-50</b>	612	K	12.07	43	68	110/220	9.2	
		56	<b>L1319-50</b>	744	K	12.07	41	68	110/220	11.5	2
2	3000	56	<b>L1317-50</b>	815	K	12.94	47	70	110/220	12	2
	1500	182T	<b>L1405T-50</b>	865	L1	15.00	66	69	110/220	14	2
3	1500	184T	<b>L1408T-50</b>	934	L1	16.50	91	75.5	110/220	16	
5	1500	213T	<b>L1508T-50</b>	1,462	L1	16.32	112	82.5	220	21.6	2

(a) See notes on inside back flap.

IP22 = Open Drip Proof, IP54 = Totally Enclosed Fan Cooled.

**ALL MOTORS LISTED ABOVE ARE SPECIFICALLY DESIGNED FOR OPERATION WITH 50 HZ. POWER.**



**Features:**

- CE certified
- Vibration dampening base
- Cast iron or heavy gauge steel design
- Suitable for mounting in any configuration
- Super-E® motors have IE3 efficiency
- Compliant to EU efficiency regulations
- 3 year warranty on Super-E motors

**Applications:**

- Fans
- Pumps
- Blowers
- Conveyors
- Compressors
- Industrial machines
- Other 50Hz General purpose applications

Hp	RPM 50 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Totally Enclosed Fan Cooled, IP54</b>											
1/2	1500	56	<b>M3538-57</b>	446	K	11.35	26	73	230/400	1	
3/4	3000	56	<b>M3541-57</b>	446	K	11.35	25	75.5	230/400	1.4	
	1500	56	<b>M3542-57</b>	477	K	12.85	32	75.5	230/400	1.8	
1	3000	56	<b>EM3545-57</b>	625	K	12.22	35	82.5	230/400	1.6	12
		56	<b>M3545-57</b>	543	K	11.35	27	78.5	230/400	1.7	21
	1500	143T	<b>EM3546T-57</b>	639	L1	12.31	34	82.5	230/400	1.8	1
		143T	<b>M3546T-57</b>	555	L1	12.31	33	80	230/400	1.8	21
1 1/2	3000	143T	<b>EM3550T-57</b>	725	L1	13.29	43	85.5	230/400	2.3	
		143T	<b>M3550T-57</b>	630	L1	12.29	37	80	230/400	2.4	21
	1500	145T	<b>EM3554T-57</b>	650	L1	13.31	41	84.1	230/400	2.9	1
		145T	<b>M3554T-57</b>	565	L1	13.31	39	81.5	230/400	2.5	21
2	3000	145T	<b>EM3555T-57</b>	796	L1	14.17	50	84.2	230/400	2.9	
		145T	<b>M3555T-57</b>	692	L1	13.29	44	81.5	230/400	3	21
	1500	145T	<b>EM3558T-57</b>	686	L1	13.31	45	85.3	230/400	3.4	1
		145T	<b>M3558T-57</b>	596	L1	14.19	46	82.8	230/400	3.4	21
3	3000	182T	<b>EM3610T-57</b>	1,015	L1	15.16	55	85.9	230/400	4.2	1
		182T	<b>M3610T-57</b>	882	L1	16.52	66	84	230/400	4.2	21
	1500	182T	<b>EM3611T-57</b>	805	L1	16.54	70	86.7	230/400	5.6	1
		182T	<b>M3611T-57</b>	700	L1	16.54	71	85	230/400	4.9	21
5	3000	184T	<b>EM3613T-57</b>	1,167	L1	18.04	93	88.1	230/400	6.4	
		184T	<b>M3613T-57</b>	1,014	L1	16.54	76	86	230/400	6.6	21
	1500	184T	<b>EM3615T-57</b>	930	L1	18.04	101	88.4	230/400	8	1
		184T	<b>M3615T-57</b>	808	L1	18.04	96	87.5	230/400	7.5	21
7 1/2	3000	213T	<b>EM3709T-58</b>	1,717	L1	17.89	121	89.2	400	10.4	1
		213T	<b>M3709T-58</b>	1,493	L1	17.89	113	87.5	400	10.7	21
	1500	213T	<b>EM3710T-58</b>	1,182	L1	19.01	127	89.6	400	10.8	1
		213T	<b>M3710T-58</b>	1,027	L1	19.01	130	87.7	400	11.2	21
10	3600	215T	<b>EM3711T-58</b>	1,619	L1	19.01	140	90	400	13	1
	1500	215T	<b>EM3714T-58</b>	1,632	L1	20.51	165	90	400	14	1
15	1500	254T	<b>EM2333T-58</b>	2,514	L1	23.35	291	91	400	21	1
20	1500	256T	<b>EM2334T-58</b>	3,048	L1	23.35	304	92	400	28	
25	1500	284T	<b>EM4103T-58</b>	3,987	L1	27.76	437	93	400	37	
30	1500	286T	<b>EM4104T-58</b>	4,729	L1	27.76	475	93	400	42	1
40	1500	324T	<b>EM4110T-58</b>	6,184	L1	30.28	650	94	400	52	1
50	1500	326T	<b>EM4115T-58</b>	6,757	L1	30.28	800	94	400	64	1
60	1500	364T	<b>EM4314T-58</b>	9,722	L1	33.44	910	94	400	81	1

(a) See notes on inside back flap.

IP22 = Open Drip Proof, IP54 = Totally Enclosed Fan Cooled.

Red Catalog Number indicates **NEW** Product.

■ Cast Iron Frame

**ALL MOTORS LISTED ABOVE ARE SPECIFICALLY DESIGNED FOR OPERATION WITH 50 HZ. POWER. MOTORS SHOWN IN THIS CATALOG ARE SUITABLE FOR USE ON 400 VOLT OR 415 VOLT 50 HZ. POWER SUPPLIES.**

**Three Phase, NEMA Frame, TEFC and ODP, Foot Mounted**

Hp	RPM 50 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	“C” Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Open Drip Proof, IP22</b>											
1/2	1500	56	<b>M3108-57</b>	393	K	10.12	26	73	230/400	1	
3/4	1500	56	<b>M3112-57</b>	437	K	10.12	26	70	230/400	1.9	
1	1500	56	<b>EM3116-57</b>	569	K	11.07	34	82.5	230/400	1.8	1
		56	<b>M3116-57</b>	494	K	11.07	20	80	230/400	1.8	21
		143T	<b>EM3116T-57</b>	572	L1	11.12	34	82.5	230/400	1.8	1
		143T	<b>M3116T-57</b>	497	L1	11.12	20	81	230/400	1.8	21
1 1/2	1500	145T	<b>EM3154T-57</b>	608	L1	12.13	41	84.1	230/400	2.9	1
		145T	<b>M3154T-57</b>	528	L1	12.13	25	81.5	230/400	2.5	21
2	1500	145T	<b>EM3157T-57</b>	625	L1	12.13	45	85.3	230/400	3.4	1
		145T	<b>M3157T-57</b>	543	L1	13.00	32	82.8	230/400	3.4	21
3	1500	182T	<b>EM3211T-57</b>	715	L1	15.00	74	86.7	230/400	4.8	1
		182T	<b>M3211T-57</b>	621	L1	15.00	58	85	230/400	4.9	21
5	1500	184T	<b>EM3218T-57</b>	791	L1	16.50	101	88.4	230/400	8	1
		184T	<b>M3218T-57</b>	687	L1	16.50	92	87.5	230/400	7.5	21
7 1/2	1500	213T	<b>EM3311T-58</b>	1,118	L1	17.45	127	89.6	400	10.8	1
		213T	<b>M3311T-58</b>	972	L1	16.32	105	87.7	400	11.5	21
10	1500	215T	<b>EM3313T-58</b>	1,823	L1	18.95	165	90	400	14	1
15	1500	254T	<b>EM2513T-58</b>	2,581	L1	21.69	230	91	400	22	1
20	1500	256T	<b>EM2515T-58</b>	2,831	L1	23.19	275	92	400	28	1

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Definite Purpose  
Motors

Unit Handling  
Motors

Brake Motors

IEC Frame  
Motors

50 Hertz  
Motors

Inverter/Vector  
Motors & Controls

DC Motors  
and Controls

Gearmotors and  
Gear Products

Motor  
Accessories

Grinders

**Single and Three Phase, NEMA Frame, TEFC, C-Face, Footless**

**1/4 thru 2 Hp**



**Features:**

- CE certified
- Locked DE bearing
- Dynamically balanced rotor
- High performance ball bearings
- Super-E® motors have IE3 efficiency
- Compliant to EU efficiency regulations
- 3 year warranty on Super-E motors

**Applications:**

- Fans
- Pumps
- Blowers
- Conveyors
- Compressors
- Industrial machines
- Other 50 Hz general purpose applications

Hp	RPM 50 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Single Phase, IP54</b>											
1/3	1500	56C	<b>VL3501-50</b>	459	K	11.35	17	59	110/220	3.2	1
1/2	3000	56C	<b>VL3503-50</b>	416	K	11.35	25	68	110/220	3.3	
	1500	56C	<b>VL3504-50</b>	532	K	12.85	31	62	110/220	3.6	
3/4	3000	56C	<b>VL3506-50</b>	480	K	12.25	35	62	110/220	4.6	
	1500	56C	<b>VL3507-50</b>	630	K	13.25	39	66	110/220	5	
1	3000	56C	<b>VL3509-50</b>	564	K	13.25	40	68	110/220	6.3	
	1500	56C	<b>VL3510-50</b>	721	K	14.12	47	68	110/220	6.2	
1 1/2	3000	56C	<b>VL3513-50</b>	726	K	14.12	48	68	110/220	9	1
	1500	56C	<b>VL3514-50</b>	815	K	14.12	51	73	110/220	8	
2	3000	56C	<b>VL3515-50</b>	921	K	14.12	52	77	110/220	9.7	1
<b>Three Phase, IP54</b>											
1/4	1500	56C	<b>KM3454-57</b>	361	K	11.35	20	64	230/400	0.7	
1/3	1500	56C	<b>VM3534-57</b>	408	K	11.35	21	68	230/400	1	
1/2	3000	56C	<b>VM3537-57</b>	443	K	11.35	22	72	230/400	1.1	
	1500	56C	<b>VM3538-57</b>	477	K	11.35	25	73	230/400	1	
3/4	3000	56C	<b>VM3541-57</b>	462	K	11.35	26	75.5	230/400	1.4	
	1500	56C	<b>VM3542-57</b>	512	K	12.85	32	75.5	230/400	1.8	
1	3000	56C	<b>VEM3545-57</b>	631	K	12.23	35	82.5	230/400	1.6	12
		56C	<b>VM3545-57</b>	548	K	11.35	26	78.5	230/400	1.7	21
	1500	56C	<b>VEM3546-57</b>	625	K	12.23	34	82.5	230/400	1.8	1
		56C	<b>VM3546-57</b>	543	K	12.23	35	80	230/400	1.8	21
		143TC	<b>VEM3546T-57</b>	625	L1	12.29	34	82.5	230/400	1.8	1
		143TC	<b>VM3546T-57</b>	543	L1	12.29	34	80	230/400	1.8	21
1 1/2	3000	143TC	<b>VEM3550T-57</b>	686	L1	13.29	43	85.5	230/400	2.3	
		143TC	<b>VM3550T-57</b>	596	L1	12.29	36	80	230/400	2.4	21
1500	145TC	<b>VEM3554T-57</b>	649	L1	13.29	41	84.1	230/400	2.9	1	
		<b>VM3554T-57</b>	564	L1	13.29	38	81.5	230/400	2.5	21	
2	3000	56C	<b>VEM3555-57</b>	681	K	14.10	50	84.2	230/400	2.9	
		56C	<b>VM3555-57</b>	592	K	13.23	44	81.5	230/400	3	21
		143TC	<b>VEM3555T-57</b>	749	L1	14.17	50	84.2	230/400	2.9	
	1500	145TC	<b>VEM3555T-57</b>	651	L1	13.29	43	81.5	230/400	3	21
			<b>VEM3558T-57</b>	688	L1	13.29	45	85.3	230/400	3.4	1
			<b>VM3558T-57</b>	598	L1	14.17	46	82.8	230/400	3.4	21

(a) See notes on inside back flap.

IP22 = Open Drip Proof, IP54 = Totally Enclosed Fan Cooled.

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