

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

1/3 thru 5 Hp

NEMA 48 thru 213T

Applications: Applications where only 50 hertz power is available. Motors are designed to be used at rated voltages with tolerance of ± 15% on voltage.

Features: CE certified. Windings tied each end at every slot for rigidity. Ball bearings, high temperature insulation, copper windings.



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)
Totally Enclosed Fan Cooled, IP54											
1/3	1500	56	L3501-50	418	K	11.35	25	59	110/220	3.2	1
	3000	56	L3503-50	409	K	11.35	27	68	110/220	3.3	
1/2	1500	48	L3409-50	476	K	12.23	32	62	110/220	3.6	
		56	L3504-50	476	K	12.85	33	62	110/220	3.6	
3/4	3000	56	L3506-50	456	K	12.23	37	62	110/220	4.6	
	1500	56	L3507-50	565	K	13.25	39	66	110/220	5	
1	3000	56	L3509-50	531	K	13.23	41	68	110/220	6.3	
	1500	56	L3510-50	650	K	14.12	47	68	110/220	6.2	
1 1/2	1500	3000	L3513-50	699	K	14.11	51	68	110/220	9	1
		56	L3514-50	734	K	14.13	50	73	110/220	8	
		145T	L3514T-50	734	L1	14.18	52	73	110/220	8	
2	3000	56	L3515-50	909	K	14.11	56	77	110/220	9.7	1
	1500	182T	L3605T-50	1,039	L1	16.56	78	81	110/220	10	
3	1500	184T	L3609T-50	1,223	L1	18.06	95	84.5	110/220	12.5	2
5	1500	213T	L3708T-50	1,462	L1	17.89	105	84	220	22	2
Open Drip Proof, IP22											
1/3	3000	48	L1205-50	309	K	9.13	22	64.9	110/220	2.6	
	1500	48	L1206-50	376	K	9.38	24	62	110/220	2.3	
1/2	1500	3000	L1208-50	340	K	9.75	26	68	110/220	3.3	
		48	L1209-50	472	K	10.63	28	62	110/220	3.7	
		56	L1304-50	428	K	11.01	29	62	110/220	3.7	
3/4	3000	56	L1306-50	414	K	11.01	30	64	110/220	5.3	
	1500	56	L1307-50	529	K	12.07	38	66	110/220	5	
1	3000	56	L1309-50	436	K	11.51	35	66	110/220	6	
	1500	56	L1318-50	645	K	12.07	42	68	110/220	6.5	2
1 1/2	3000	56	L1313-50	612	K	12.07	44	68	110/220	9.2	
	1500	56	L1319-50	744	K	12.07	41	68	110/220	11.5	2
2	3000	56	L1317-50	815	K	12.94	51	70	110/220	12	2
	1500	182T	L1405T-50	865	L1	15.00	65	69	110/220	14	2
3	1500	184T	L1408T-50	934	L1	16.50	92	75.5	110/220	16	
5	1500	213T	L1508T-50	1,462	L1	16.32	104	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.

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

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

1/2 thru 60 Hp

NEMA 56 thru 364T

Applications: Applications where only 50 hertz power is available. Motors are designed to be used at rated voltages with tolerance of ± 15% on voltage.

Features: CE certified. Windings tied each end at every slot for rigidity. Ball bearings, high temperature insulation, copper windings.



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)
Totally Enclosed Fan Cooled, IP54											
1/2	1500	56	M3538-57	446	K	11.35	27	73	230/400	1	
3/4	3000	56	M3541-57	446	K	11.35	25	77	220/380	1.7	
	1500	56	M3542-57	477	K	12.85	32	75.5	230/400	1.8	
1	3000	56	M3545-57	543	K	11.35	27	78.5	230/400	1.7	
	1500	143T	M3546T-57	555	L1	12.31	37	80	230/400	1.8	
1 1/2	3000	143T	M3550T-57	630	L1	12.31	36	80	230/400	2.4	
	1500	145T	M3554T-57	565	L1	13.31	40	81.5	230/400	2.5	
2	3000	145T	M3555T-57	692	L1	13.31	44	81.5	230/400	3	
	1500	145T	M3558T-57	596	L1	14.19	48	82.8	230/400	3.4	
3	3000	182T	M3610T-57	882	L1	16.52	64	84	230/400	4.2	
	1500	182T	M3611T-57	700	L1	16.54	74	85	230/400	4.9	
5	3000	184T	M3613T-57	1,014	L1	16.54	77	86	230/400	6.6	
	1500	184T	M3615T-57	808	L1	18.04	101	87.5	230/400	7.5	
7 1/2	3000	213T	M3709T-58	1,493	L1	17.89	115	87.5	400	10.7	
	1500	213T	M3710T-58	1,027	L1	19.01	129	87.7	400	11.2	
10	3000	215T	M3711T-58	1,563	L1	19.76	160	88.5	400	13.8	
	1500	215T	M3714T-58	1,249	L1	19.76	158	89.5	400	14.7	
15	1500	254T	M2333T-58	2,193	L1	21.07	245	90.2	400	22	
20	1500	256T	M2334T-58	2,646	L1	23.35	310	90.3	400	28	
25	1500	284T	M4103T-58	3,725	L1	27.76	406	91.2	400	35	
30	1500	286T	M4104T-58	4,403	L1	27.76	437	91.6	400	42	
40	1500	324T	M4110T-58	5,759	L1	30.28	579	92.3	400	56	
50	1500	326T	M4115T-58	6,252	L1	30.28	642	92.7	400	67	
60	1500	364T	M4314T-58	8,129	L1	33.44	910	94.1	400	80.5	
Open Drip Proof, IP22											
1/2	1500	56	M3108-57	393	K	10.12	27	73	230/400	1	
3/4	1500	56	M3112-57	437	K	10.12	27	70	230/400	1.9	
1	1500	56	M3116-57	494	K	11.07	37	80	230/400	1.8	
		143T	M3116T-57	497	L1	11.12	37	81	230/400	1.8	
1 1/2	1500	145T	M3154T-57	528	L1	12.13	40	81.5	230/400	2.5	
2	1500	145T	M3157T-57	543	L1	13.00	48	82.8	230/400	3.4	
3	1500	182T	M3211T-57	621	L1	15.00	74	85	230/400	4.9	
5	1500	184T	M3218T-57	687	L1	16.50	101	87.5	230/400	7.5	
7 1/2	1500	213T	M3311T-58	972	L1	16.32	124	87.7	400	11.5	
10	1500	215T	M3313T-58	1,189	L1	17.45	136	88.7	400	15.1	
15	1500	254T	M2513T-58	1,797	L1	20.51	187	89.8	400	21.4	
20	1500	256T	M2515T-58	2,314	L1	21.69	250	90.6	400	28	

(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. THREE PHASE, 50 HZ. MOTORS SHOWN IN THIS CATALOG ARE SUITABLE FOR USE ON 400 VOLT OR 415 VOLT 50 HZ. POWER SUPPLIES.

■ 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

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

1/4 thru 2 Hp

NEMA 56C thru 145TC

Applications: Pumps, fans, gear reducers, conveyors and many other applications with 50 Hz power supply. Motors are designed to be used at rated voltages with tolerance of ± 15% on voltage.

Features: CE certified. Heavy gauge steel frame construction, pressure-cast aluminum endplates with machined steel bearing inserts for extended bearing life.



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)
Single Phase, IP54											
1/3	1500	56C	VL3501-50	459	K	11.35	24	59	110/220	3.2	1
	3000	56C	VL3503-50	416	K	11.35	25	68	110/220	3.3	
1/2	1500	56C	VL3504-50	532	K	12.85	32	62	110/220	3.6	
	3000	56C	VL3506-50	480	K	12.25	35	62	110/220	4.6	
3/4	1500	56C	VL3507-50	630	K	13.25	39	66	110/220	5	
	3000	56C	VL3509-50	564	K	13.25	40	68	110/220	6.3	
1	1500	56C	VL3510-50	721	K	14.12	47	68	110/220	6.2	
	3000	56C	VL3513-50	726	K	14.12	48	68	110/220	9	1
1 1/2	1500	56C	VL3514-50	815	K	14.12	51	73	110/220	8	
	3000	56C	VL3515-50	921	K	14.12	52	77	110/220	9.7	1
Three Phase, IP54											
1/4	1500	56C	KM3454-57	361	K	11.35	19	64	230/400	0.7	
1/3	1500	56C	VM3534-57	408	K	11.35	20	68	230/400	1	
	3000	56C	VM3537-57	443	K	11.35	22	72	230/400	1.1	
1/2	1500	56C	VM3538-57	477	K	11.35	27	73	230/400	1	
	3000	56C	VM3541-57	462	K	11.35	27	75.5	230/400	1.4	
3/4	1500	56C	VM3542-57	512	K	12.85	32	77	230/400	1.8	
	3000	56C	VM3545-57	548	K	11.35	27	78.5	230/400	1.7	
1	1500	56C	VM3546-57	543	K	12.23	37	80	230/400	1.8	
		143TC	VM3546T-57	543	L1	12.29	37	80	230/400	1.8	
1 1/2	3000	143TC	VM3550T-57	596	L1	12.29	38	80	230/400	2.4	
	1500	145TC	VM3554T-57	564	L1	13.29	40	81.5	230/400	2.5	
2	3000	56C	VM3555-57	592	K	13.23	44	81.5	230/400	3	
		143TC	VM3555T-57	651	L1	13.29	43	81.5	230/400	3	
		145TC	VM3558T-57	598	L1	14.17	48	82.8	230/400	3.4	

(a) See notes on inside back flap.

IP54 = Totally Enclosed Fan Cooled.

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

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

Single and Three Phase, NEMA Frame, Explosion Proof, C-Face, Foot Mounted

1/3 thru 2 Hp

NEMA 56C thru 182TC

Applications: Pumps, blowers, valves.

Features: Corrosion resistant epoxy finish. Positively locked drive end bearing. UL approved cast conduit box, standard. UL and CSA approved for Class I, Group D or Class II, Group F & G. Rated for ±15% voltage variation.



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)
Single Phase, IP54													
1/3	1500	56C	CL5001A-50	②	T3C	911	K	14.22	35	59.5	110/220	2.6	2
1/2	1500	56C	CL5004A-50	②	T3C	912	K	15.22	43	62	110/220	3.6	2
3/4	1500	56C	CL5007A-50	②	T4	1,061	K	15.17	52	70	110/220	4.8	2
1	1500	56C	CL5023-50	①	T3C	1,122	K	16.05	57	68	110/220	6.2	2
2	1500	182TC	CL5027T-50	①	T2C	2,485	L1	20.36	118	77	110/220	11.5	2
Three Phase, IP54													
1/2	1500	56C	CM7006-57	②	T3C	994	K	14.22	37	73	230/400	1	
3/4	1500	56C	CM7010-57	②	T3C	1,017	K	15.22	42	75.5	230/400	1.7	2
1	3000	56C	CM7013-57	②	T3C	1,028	K	14.22	36	78.5	230/400	1.7	
	1500	56C	CM7014-57	②	T3C	1,087	K	15.22	45	74	230/400	2	2
1 1/2	3000	143TC	CM7018T-57	②	T3C	1,169	L1	14.36	47	80	230/400	2.4	
	1500	143TC	CM7034T-57	②	T3C	1,198	L1	15.23	55	81.5	230/400	2.5	2
2	3000	145TC	CM7071T-57	②	T3C	1,209	L1	15.23	50	78.5	230/400	3.2	2
	1500	145TC	CM7037T-57	②	T3C	1,293	L1	16.10	51	83	230/400	3.4	2

(a) See notes on inside back flap.

① = Class 1, Group D; ② = Class 1, Group D, Class 2, Group F & G

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.

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