

**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	EISA Status (a)	Notes (a)
Totally Enclosed Fan Cooled, IP54												
1/3	1500	56	L3501-50	368	K	11.35	25	59	110/220	3.2	C	1
	3000	56	L3503-50	360	K	11.35	27	68	110/220	3.3	C	
1/2	1500	48	L3409-50	419	K	12.23	32	62	110/220	3.6	C	
		56	L3504-50	419	K	12.85	33	62	110/220	3.6	C	
3/4	3000	56	L3506-50	402	K	12.23	35	62	110/220	4.6	C	
	1500	56	L3507-50	498	K	13.25	38	66	110/220	5	C	
1	3000	56	L3509-50	468	K	13.23	41	68	110/220	6.3	C	
	1500	56	L3510-50	573	K	14.12	46	68	110/220	6.2	C	
1 1/2	3000	56	L3513-50	616	K	14.11	46	68	110/220	9	C	1
	1500	56	L3514-50	647	K	14.13	50	73	110/220	8	C	
		145T	L3514T-50	647	L1	14.18	50	73	110/220	8	C	
2	3000	56	L3515-50	801	K	14.13	52	77	110/220	9.7	C	1
	1500	182T	L3605T-50	916	L1	16.56	78	81	110/220	10	C	
3	1500	184T	L3609T-50	1,078	L1	18.06	92	84.5	110/220	12.5	C	2
5	1500	213T	L3708T-50	1,289	L1	17.89	132	84	220	22	C	2
Open Drip Proof, IP22												
1/3	3000	48	L1205-50	272	K	9.13	22	64.9	110/220	2.6	C	
	1500	48	L1206-50	331	K	9.38	24	62	110/220	2.3	C	
1/2	3000	48	L1208-50	299	K	9.75	26	68	110/220	3.3	C	
		56	L1304-50	377	K	11.01	29	62	110/220	3.7	C	
3/4	3000	56	L1306-50	365	K	11.01	29	64	110/220	5.3	C	
	1500	56	L1307-50	466	K	12.07	38	66	110/220	5	C	
1	3000	56	L1309-50	384	K	11.51	35	66	110/220	6	C	
	1500	56	L1318-50	568	K	12.07	39	68	110/220	6.5	C	2
1 1/2	3000	56	L1313-50	539	K	12.07	44	68	110/220	9.2	C	
	1500	56	L1319-50	656	K	12.07	41	68	110/220	11.5	C	2
2	3000	56	L1317-50	718	K	12.94	48	70	110/220	12	C	2
	1500	182T	L1405T-50	762	L1	15.00	65	69	110/220	14	C	2
3	1500	184T	L1408T-50	823	L1	16.50	89	75.5	110/220	16	C	
5	1500	213T	L1508T-50	1,289	L1	16.32	113	82.5	220	21.6	C	2

(a) See notes on inside back flap.

IP22 = Open Drip Proof, IP54 = Totally Enclosed Fan Cooled.
For IEC Frame 50 Hz single phase motors, contact Baldor.

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 Starters &
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.



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

Hp	RPM 50 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status (a)	Notes (a)
Totally Enclosed Fan Cooled, IP54												
1/2	1500	56	M3538-50	393	K	11.35	25	74	220/380/440	1	C	
3/4	3000	56	M3541-50	393	K	11.35	22	72	220/380/440	1.4	C	
	1500	56	M3542-50	420	K	12.85	32	75.5	220/380/440	1.4	C	
1	3000	56	M3545-50	478	K	11.35	27	80	220/380/440	1.7	C	
	1500	143T	M3546T-50	489	L1	12.31	32	80	220/380/440	1.6	C	2
1 1/2	3000	143T	M3550T-50	555	L1	12.31	36	81.5	220/380/440	2.2	C	
	1500	145T	M3554T-50	498	L1	13.31	39	81.5	220/380/440	2.2	C	1
2	3000	145T	M3555T-50	610	L1	13.31	42	80	220/380/440	2.8	C	2
	1500	145T	M3558T-50	525	L1	14.19	48	81.5	220/380/440	3	C	1
3	3000	182T	M3610T-50	777	L1	15.14	57	81.5	220/380/440	4.2	C	1
	1500	182T	M3611T-50	617	L1	16.54	68	84	220/380/440	3.9	C	2, 20
5	3000	184T	M3613T-50	894	L1	16.54	74	85	220/380/440	6.5	C	2
	1500	184T	M3615T-50	712	L1	18.04	89	84	220/380/440	7.4	C	2, 20
7 1/2	3000	213T	M3709T-50	1,316	L1	17.89	116	86.5	220/380/440	9.8	C	1
	1500	213T	M3710T-50	905	L1	17.89	114	87.5	220/380/440	10.2	C	2, 20
10	3000	215T	M3711T-50	1,378	L1	17.89	126	85.5	220/380/440	12.5	C	1
	1500	215T	M3714T-50	1,101	L1	19.01	140	91	220/380/440	14.2	C	2, 20
15	1500	254T	M2333T-50	1,933	L1	21.07	236	89.5	220/380/440	20.5	C	2, 20
20	1500	256T	M2334T-50	2,333	L1	23.35	277	90.2	220/380/440	25	C	1
25	1500	284T	M4103T-50	3,284	L1	26.08	315	91.7	220/380/440	31	C	1
30	1500	286T	M4104T-50	3,882	L1	27.76	416	90.2	220/380/440	40	C	1
40	1500	324T	M4110T-50	5,078	L1	30.28	586	91.7	220/380/440	49	C	1
50	1500	326T	M4115T-50	5,513	L1	30.28	637	92.4	220/380/440	61	C	1
60	1500	364T	M4314T-50	7,168	L1	32.84	809	92.4	220/380/440	75	C	1
Open Drip Proof, IP22												
1/2	1500	56	M3108-50	346	K	10.12	25	74	220/380/440	1	C	
3/4	1500	56	M3112-50	385	K	10.12	26	72	220/380/440	1.8	C	
1	1500	56	M3116-50	435	K	11.07	27	74	220/380/440	1.8	C	
		143T	M3116T-50	438	L1	11.12	31	81.5	220/380/440	1.6	C	2
1 1/2	1500	145T	M3154T-50	465	L1	11.12	34	74	220/380/440	2.7	C	
2	1500	145T	M3157T-50	478	L1	12.13	41	77	220/380/440	3.3	C	2, 20
3	1500	182T	M3211T-50	547	L1	13.62	55	78.5	220/380/440	4.6	C	
5	1500	184T	M3218T-50	605	L1	16.50	80	84	220/380/440	7.2	C	1
7 1/2	1500	213T	M3311T-50	857	L1	16.32	109	85.5	220/380/440	11.4	C	
10	1500	215T	M3313T-50	1,048	L1	16.32	122	87	220/380/440	14.1	C	2
15	1500	254T	M2513T-50	1,584	L1	20.51	192	88.5	220/380/440	21	C	2, 34
20	1500	256T	M2515T-50	2,040	L1	21.69	213	88.5	220/380/440	27	C	34

(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

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	EISA Status (a)	Notes (a)
Single Phase, IP54												
1/3	1500	56C	VL3501-50	404	K	11.35	24	59	110/220	3.2	C	1
1/2	3000	56C	VL3503-50	366	K	11.35	25	68	110/220	3.3	C	
	1500	56C	VL3504-50	469	K	12.85	32	62	110/220	3.6	C	
3/4	3000	56C	VL3506-50	423	K	12.25	35	62	110/220	4.6	C	
	1500	56C	VL3507-50	555	K	13.25	39	66	110/220	5	C	
1	3000	56C	VL3509-50	497	K	13.25	40	68	110/220	6.3	C	
	1500	56C	VL3510-50	635	K	14.12	44	68	110/220	6.2	C	
1 1/2	3000	56C	VL3513-50	640	K	14.12	50	68	110/220	9	C	1
	1500	56C	VL3514-50	718	K	14.12	50	73	110/220	8	C	
2	3000	56C	VL3515-50	812	K	14.12	52	77	110/220	9.7	C	1
Three Phase, IP54												
1/4	1500	56C	KM3454-50	318	K	11.35	19	63	220/380/440	0.7	C	
1/3	1500	56C	VM3534-50	359	K	11.35	20	67	220/380/440	0.7	C	
1/2	3000	56C	VM3537-50	390	K	11.35	23	75.5	220/380/440	1	C	
	1500	56C	VM3538-50	420	K	11.35	25	74	220/380/440	1	C	
3/4	3000	56C	VM3541-50	407	K	11.35	22	72	220/380/440	1.4	C	
	1500	56C	VM3542-50	451	K	12.85	32	75.5	220/380/440	1.4	C	
1	3000	56C	VM3545-50	483	K	11.35	26	80	220/380/440	1.7	C	
	1500	56C	VM3546-50	478	K	12.23	37	78.5	220/380/440	1.7	C	
		143TC	VM3546T-50	478	L1	12.31	35	78.5	220/380/440	1.7	C	
1 1/2	3000	143TC	VM3550T-50	525	L1	12.31	36	81.5	220/380/440	2.2	C	
	1500	145TC	VM3554T-50	497	L1	13.31	39	81.5	220/380/440	2.2	C	1
2	3000	56C	VM3555-50	522	K	12.85	33	78	220/380/440	2.8	C	
		145TC	VM3555T-50	574	L1	13.31	41	80	220/380/440	2.8	C	
	145TC	VM3558T-50	527	L1	14.19	46	81.5	220/380/440	3	C	1	

(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 Starters & 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. 1.00 Service Factor. UL and CSA approved for Class I, Group D or Class II, Group F & G. Rated for ±15% voltage variation.



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

Hp	RPM 50 Hz.	NEMA Frame	Catalog Number	XP ^(a) Cls/Grp	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status ^(a)	Notes ^(a)
Single Phase, IP54													
1/3	1500	56C	CL5001A-50	Ⓢ	803	K	14.22	35	59.5	110/220	2.6	C	2
1/2	1500	56C	CL5004A-50	Ⓢ	804	K	15.22	43	62	110/220	3.6	C	2
3/4	1500	56C	CL5007A-50	Ⓢ	935	K	15.17	52	70	110/220	4.8	C	2
1	1500	56C	CL5023-50	Ⓢ	989	K	16.05	54	68	110/220	6.2	C	2
2	1500	182TC	CL5027T-50	Ⓢ	2,191	L1	20.36	113	77	110/220	11.5	C	2
Three Phase, IP54													
1/2	1500	56C	CM7006-50	Ⓢ	876	K	14.22	37	74	220/380/440	1	C	
3/4	1500	56C	CM7010-50	Ⓢ	896	K	15.22	43	75.5	220/380/440	1.4	C	
1	3000	56C	CM7013-50	Ⓢ	906	K	14.22	36	80	220/380/440	1.7	C	
	1500	56C	CM7014-50	Ⓢ	958	K	15.22	45	74	220/380/440	1.8	C	
1 1/2	3000	143TC	CM7018T-50	Ⓢ	1,030	L1	14.36	46	81.5	220/380/440	2.2	C	
	1500	143TC	CM7034T-50	Ⓢ	1,056	L1	15.23	48	81.5	220/380/440	2.2	C	
2	3000	145TC	CM7071T-50	Ⓢ	1,066	L1	15.23	52	80	220/380/440	2.8	C	2
	1500	145TC	CM7037T-50	Ⓢ	1,140	L1	16.10	57	81.5	220/380/440	3	C	

^(a) See notes on inside back flap.

THESE EXPLOSION PROOF MOTORS ARE NOT SUITABLE FOR USE WITH ADJUSTABLE SPEED DRIVES. INVERTER DUTY EXPLOSION PROOF MOTORS MUST BE USED. SEE PAGE 232.

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.