

**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	351	K	11.35	25	59	110/220	3.2	1
1/2	3000	56	L3503-50	343	K	11.35	27	68	110/220	3.3	
	1500	48	L3409-50	400	K	12.23	32	62	110/220	3.6	
			56	L3504-50	400	K	12.85	33	62	110/220	3.6
3/4	3000	56	L3506-50	384	K	12.25	35	62	110/220	4.6	
	1500	56	L3507-50	475	K	13.25	38	66	110/220	5	
1	3000	56	L3509-50	447	K	13.25	41	68	110/220	6.3	
	1500	56	L3510-50	547	K	14.12	43	68	110/220	6.2	
1 1/2	3000	56	L3513-50	588	K	14.12	46	68	110/220	9	1
	1500	56	L3514-50	618	K	14.13	47	73	110/220	8	
		145T	L3514T-50	618	L1	14.18	50	73	110/220	8	
2	3000	56	L3515-50	765	K	14.13	52	77	110/220	9.7	1
	1500	182T	L3605T-50	875	L1	16.56	78	81	110/220	10	
3	1500	184T	L3609T-50	1,029	L1	18.06	92	84.5	110/220	12.5	2
5	1500	213T	L3708T-50	1,231	L1	17.89	132	84	220	22	2
Open Drip Proof, IP22											
1/3	3000	48	L1205-50	259	K	9.13	22	64.9	110/220	2.6	
	1500	48	L1206-50	316	K	9.38	24	62	110/220	2.3	
1/2	3000	48	L1208-50	285	K	9.75	26	68	110/220	3.3	
	1500	48	L1209-50	397	K	10.63	28	62	110/220	3.7	
		56	L1304-50	360	K	11.01	29	62	110/220	3.7	
3/4	3000	56	L1306-50	348	K	11.01	29	64	110/220	5.3	
	1500	56	L1307-50	445	K	12.07	35	66	110/220	5	
1	3000	56	L1309-50	366	K	11.51	35	66	110/220	6	
	1500	56	L1318-50	542	K	12.07	39	68	110/220	6.5	2
1 1/2	3000	56	L1313-50	514	K	12.07	40	68	110/220	9.2	
	1500	56	L1319-50	626	K	12.07	37	68	110/220	11.5	2
2	3000	56	L1317-50	685	K	12.94	44	70	110/220	12	2
	1500	182T	L1405T-50	727	L1	15.00	65	69	110/220	14	2
3	1500	184T	L1408T-50	786	L1	16.50	89	75.5	110/220	16	
5	1500	213T	L1508T-50	1,231	L1	16.32	113	82.5	220	21.6	2

(a) See notes on inside back flap and pages 5-6.

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

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.



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	M3538-50	375	K	11.35	25	74	220/380/440	1	
3/4	3000	56	M3541-50	375	K	11.35	22	72	220/380/440	1.35	
	1500	56	M3542-50	401	K	12.85	32	75.5	220/380/440	1.4	
1	3000	56	M3545-50	456	K	11.35	27	80	220/380/440	1.7	
	1500	143T	M3546T-50	467	L1	12.31	32	78.5	220/380/440	1.7	2
1 1/2	3000	143T	M3550T-50	530	L1	12.31	36	81.5	220/380/440	2.2	
	1500	145T	M3554T-50	475	L1	13.31	39	81.5	220/380/440	2.2	1
2	3000	145T	M3555T-50	582	L1	13.31	42	80	220/380/440	2.8	2
	1500	145T	M3558T-50	501	L1	14.19	48	81.5	220/380/440	3	1
3	3000	182T	M3610T-50	742	L1	15.14	57	81.5	220/380/440	4.2	1
	1500	182T	M3611T-50	589	L1	16.54	65	84	220/380/440	3.9	2,20
5	3000	184T	M3613T-50	854	L1	16.54	74	85	220/380/440	6.5	2
	1500	184T	M3615T-50	680	L1	18.04	89	84	220/380/440	7	2,20
7 1/2	3000	213T	M3709T-50	1,257	L1	17.89	116	86.5	220/380/440	9.8	1
	1500	213T	M3710T-50	864	L1	17.89	114	87.5	220/380/440	10.6	2,20
10	3000	215T	M3711T-50	1,316	L1	17.89	126	85.5	220/380/440	12.5	1
	1500	215T	M3714T-50	1,051	L1	19.01	134	88.5	220/380/440	14	2,20
15	1500	254T	M2333T-50	1,846	L1	21.07	236	88.5	220/380/440	21	2,20
20	1500	256T	M2334T-50	2,228	L1	23.35	277	90.2	220/380/440	25	1
25	1500	284T	M4103T-50	3,137	L1	26.08	315	91.7	220/380/440	31	1
30	1500	286T	M4104T-50	3,708	L1	27.76	416	90.2	220/380/440	40	1
40	1500	324T	M4110T-50	4,850	L1	30.28	586	91.7	220/380/440	49	1
50	1500	326T	M4115T-50	5,266	L1	30.28	637	92.4	220/380/440	61	1
60	1500	364T	M4314T-50	6,847	L1	32.84	809	92.4	220/380/440	75	1
Open Drip Proof, IP22											
1/2	1500	56	M3108-50	330	K	10.12	25	74	220/380/440	1	
3/4	1500	56	M3112-50	367	K	10.12	26	72	220/380/440	1.8	
1	1500	56	M3116-50	415	K	11.07	27	74	220/380/440	1.8	
		143T	M3116T-50	418	L1	11.12	31	78.5	220/380/440	1.7	2
1 1/2	1500	145T	M3154T-50	444	L1	11.12	31	74	220/380/440	2.7	
2	1500	145T	M3157T-50	456	L1	12.13	38	77	220/380/440	3.3	2,20
3	1500	182T	M3211T-50	522	L1	13.62	55	78.5	220/380/440	4.6	
5	1500	184T	M3218T-50	577	L1	16.50	82	84	220/380/440	7.2	1
7 1/2	1500	213T	M3311T-50	818	L1	16.32	109	85.5	220/380/440	11.4	
10	1500	215T	M3313T-50	1,001	L1	16.32	122	87	220/380/440	14.1	2
15	1500	254T	M2513T-50 (b)	1,513	L1	20.51	192	88.5	220/380/440	21	2
20	1500	256T	M2515T-50 (b)	1,948	L1	21.69	213	88.5	220/380/440	27	

(a) See notes on inside back flap and pages 5-6.

(b) Conduit box location is at 12 o'clock and can be rotated.

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

For IEC Frame 50 Hz motors, see page 184.

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

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, 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	385	K	11.35	24	59	110/220	3.2	1
	3000	56C	VL3503-50	349	K	11.35	25	68	110/220	3.3	
1/2	1500	56C	VL3504-50	448	K	12.85	32	62	110/220	3.6	
	3000	56C	VL3506-50	404	K	12.25	35	62	110/220	4.6	
3/4	1500	56C	VL3507-50	530	K	13.25	36	66	110/220	5	
	3000	56C	VL3509-50	474	K	13.25	40	68	110/220	6.3	
1	1500	56C	VL3510-50	606	K	14.12	44	68	110/220	6.2	
	3000	56C	VL3513-50	611	K	14.12	50	68	110/220	9	1
1 1/2	1500	56C	VL3514-50	685	K	14.12	47	73	110/220	8	
	3000	56C	VL3515-50	775	K	14.12	52	77	110/220	9.7	1
Three Phase, IP54											
1/4	1500	56C	KM3454-50	303	K	11.35	19	63	220/380/440	0.65	
1/3	1500	56C	VM3534-50	342	K	11.35	20	67	220/380/440	0.7	
	3000	56C	VM3537-50	372	K	11.35	23	75.5	220/380/440	1	
1/2	1500	56C	VM3538-50	401	K	11.35	25	74	220/380/440	1	
	3000	56C	VM3541-50	388	K	11.35	22	72	220/380/440	1.35	
3/4	1500	56C	VM3542-50	430	K	12.85	32	75.5	220/380/440	1.4	
	3000	56C	VM3545-50	461	K	11.35	26	80	220/380/440	1.7	
1	1500	56C	VM3546-50	456	K	12.23	37	78.5	220/380/440	2.3	
		143TC	VM3546T-50	456	L1	12.31	35	78.5	220/380/440	1.7	
1 1/2	3000	143TC	VM3550T-50	501	L1	12.31	36	81.5	220/380/440	2.2	
	1500	145TC	VM3554T-50	474	L1	13.31	39	81.5	220/380/440	2.2	1
2	3000	56C	VM3555-50	498	K	12.85	33	78	220/380/440	2.8	
		145TC	VM3555T-50	548	L1	13.31	41	80	220/380/440	2.8	
		145TC	VM3558T-50	503	L1	14.19	46	81.5	220/380/440	3	1

(a) See notes on inside back flap and pages 5-6.

IP54 = Totally Enclosed Fan Cooled.

For IEC Frame 50 Hz motors, see page 184.

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

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.



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	Notes ^(b)
Single Phase, IP54												
1/3	1500	56C	CL5001A-50	Ⓢ	767	K	14.22	35	59.5	110/220	2.6	2
1/2	1500	56C	CL5004A-50	Ⓢ	768	K	15.22	43	62	110/220	3.6	2
3/4	1500	56C	CL5007A-50	Ⓢ	893	K	15.17	52	70	110/220	4.8	2,12
1	1500	56C	CL5023-50	Ⓢ	944	K	15.17	54	68	110/220	6.2	2
2	1500	182TC	CL5027T-50	Ⓢ	2,093	L1	20.36	113	77	110/220	11.5	2,62
Three Phase, IP54												
1/2	1500	56C	CM7006-50	Ⓢ	836	K	14.22	37	74	220/380/440	1	
3/4	1500	56C	CM7010-50	Ⓢ	855	K	15.22	43	75.5	220/380/440	1.4	
1	3000	56C	CM7013-50	Ⓢ	865	K	14.22	36	80	220/380/440	1.7	
	1500	56C	CM7014-50	Ⓢ	915	K	15.22	45	74	220/380/440	1.8	
1 1/2	3000	143TC	CM7018T-50	Ⓢ	983	L1	14.36	46	81.5	220/380/440	2.2	
	1500	143TC	CM7034T-50	Ⓢ	1,008	L1	15.23	48	81.5	220/380/440	2.2	
2	3000	145TC	CM7071T-50	Ⓢ	1,018	L1	15.23	52	80	220/380/440	2.8	2
	1500	145TC	CM7037T-50	Ⓢ	1,089	L1	16.10	54	81.5	220/380/440	3	

^(a) See explosion proof symbols on inside back flap.

^(b) See notes on inside back flap and pages 5-6.

For IEC Frame 50 Hz motors, see page 184.

THESE EXPLOSION PROOF MOTORS ARE NOT SUITABLE FOR USE WITH ADJUSTABLE SPEED DRIVES. INVERTER DUTY EXPLOSION PROOF MOTORS MUST BE USED. SEE PAGE 206.

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. See notes on pages 5-6.

Farm Duty Motors

Definite Purpose Motors

Unit Handling

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes