

**Three Phase,
Super-E
Premium Efficient,
TEFC**

1 thru 30 Hp

NEMA 56 thru 284T

Applications: Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and positive hold.

Features: Standard NEMA BA dimension. (C-Face may be added in ModExpress to EBM motors for C-Face with base). Spring-set brake. Power off manual release. Resets automatically. Motors have NEMA Premium® Efficiency and inverter-ready. 230/460V brakes are connected in conduit box allowing for separate connection when used with an inverter.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating	Notes (a)
Foot Mounted												
1	1800	56	EBM3546	1,287	K	17.80	48	87.5	208-230/460	1.5	6	1,41,48
		143T	EBM3546T	1,287	L1	17.86	47	87.5	208-230/460	1.5	6	1,41,48
1 1/2	1800	145T	EBM3554T	1,449	L1	18.74	52	88.5	208-230/460	2.1	10	1,41,48
2	1800	145T	EBM3558T	1,481	L1	18.74	56	86.5	208-230/460	2.7	10	1,41,48
3	1800	182T	EBM3611T	1,919	L1	21.12	86	89.5	208-230/460	4.1	15	1,41,48
5	1800	184T	EBM3615T	2,327	L1	22.65	109	90.2	230/460	6.5	25	1,30,40,48
7 1/2	1800	213T	EBM3710T	3,121	L1	27.20	158	91.7	230/460	9.4	35	1,30,40,48
10	1800	215T	EBM3714T	3,858	L1	29.19	176	92.4	230/460	12.5	50	1,40,48
15	1800	254T	EBM2333T	5,459	L1	33.07	280	92.4	230/460	18.5	75	1,30,48
20	1800	256T	EBM2334T	6,619	L1	33.57	331	93	230/460	24	105	1,30,48
25	1800	284T	EBM4103T	7,450	L1	36.19	504	93.6	230/460	30	105	1,30,48
30	1800	284T	EBM4104T	10,091	L1	42.84	701	94.1	230/460	36	125	1,30,48
C-Face, Footless												
1/2	1800	56C	VEBNM3538	1,149	K	15.31	41	82.5	208-230/460	1.2	3	1,41,48
3/4	1800	56C	VEBNM3542	1,292	K	15.21	19	82.5	230/460	1.3	6	1,41
1	1800	56C	VEBM3546	1,309	K	17.80	52	87.5	208-230/460	1.5	6	1,41,48
		56C	VEBNM3546	1,292	K	15.21	50	82.5	230/460	1.45	6	1,41
		143TC	VEBM3546T	1,318	L1	17.86	49	87.5	208-230/460	1.5	6	1,41,48
1 1/2	1800	56C	VEBM3554	1,472	K	18.35	26	88.5	208-230/460	2.1	10	1,41,48
		145TC	VEBM3554T	1,481	L1	18.74	52	88.5	208-230/460	2.1	10	1,41,48
2	1800	56C	VEBM3558	1,512	K	18.35	34	81.8	208-230/460	3.1	10	1,48
		145TC	VEBM3558T	1,512	L1	18.74	57	86.5	208-230/460	2.7	10	1,41,48
3	1800	182TC	VEBM3611T	1,981	L1	21.11	81	89.5	208-230/460	4.1	15	1,41,48
5	1800	184TC	VEBM3615T	2,386	L1	23.06	101	90.2	230/460	6.5	25	1,30,40,48
7 1/2	1800	213TC	VEBM3710T	3,258	L1	27.95	126	91.7	230/460	9.4	35	1,30,40,48
10	1800	215TC	VEBM3714T	3,995	L1	29.95	158	92.4	230/460	12.5	50	1,30,40,48

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

■ 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, TEFC, Foot Mounted

1/4 thru 30 Hp

NEMA 56 thru 286T

Applications: Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and positive hold.

Features: Spring-set brake. Power off operation manual release. Resets automatically. Brakes internally connected to motor on 215T and smaller.



Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

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50 Hertz Motors

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DC Motors and Controls

Soft Start & Dynamic Brakes

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating	Notes (a)
Single Phase												
1/4	1800	56	BL3516	721	K	14.36	28	59.5	115/230	2.1	3	2,30,41,60
1/3	1800	56	BL3517	760	K	15.46	29	60	115/230	3	3	30,41
1/2	1800	56	BL3518	825	K	16.08	33	68	115/230	3.7	3	30,41
3/4	1800	56	BL3507	1,083	K	16.71	40	72	115/230	4.2	6	30,41
1	1800	56	BL3510	1,147	K	17.11	48	67	115/230	6.4	6	30,41
Three Phase												
1/4	1800	56	BM3568	692	K	14.36	27	68	208-230/460	0.5	3	2,41,60
1/3	1800	56	BM3569	732	K	14.36	28	70	208-230/460	0.7	3	2,41,60
1/2	1800	56	BM3538	796	K	14.98	31	75.5	208-230/460	0.9	3	2,41,60
	1200	56	BM3539	1,096	K	16.45	29	72	230/460	1.2	6	30,41
3/4	1800	56	BM3542	930	K	16.45	32	75.5	208-230/460	1.5	6	41
	1200	56	BM3543	1,151	K	17.45	39	77	208-230/460	1.5	6	41
1	1800	56	BM3546	1,080	K	17.45	38	78.5	208-230/460	1.7	6	41
		143T	BM3546T	1,080	L1	17.01	39	78.5	208-230/460	1.7	6	41
		182	BM3603	1,497	L1	17.49	42	77	208-230/460	1.7	6	41
1 1/2	1800	1200	BM3556T	1,538	L1	17.94	48	75.5	208-230/460	1.7	10	41
		56	BM3554	1,212	K	17.56	43	84	208-230/460	2.1	10	41
		145T	BM3554T	1,212	L1	17.94	44	84	208-230/460	2.1	10	41
2	1800	184	BM3606	1,601	L1	17.94	48	78.5	208-230/460	2.5	10	41
		56	BM3558	1,242	K	17.56	50	82.5	208-230/460	3.1	10	41
		143T	BM3558T	1,242	L1	17.49	52	82.5	208-230/460	3.1	10	41
3	1800	184	BM3609	1,667	L1	17.94	52	82.5	208-230/460	3.1	10	41
		1200	BM3614T	2,059	L1	20.57	75	80	208-230/460	3.3	15	41
		182T	BM3611T	1,683	L1	19.19	66	82.5	208-230/460	4.3	15	1,41
5	1800	182T	P18A1585	1,683	L1	19.04	57	85	208-230/460	4.3	15	2,106
		213	BM3703	2,518	L1	22.42	76	82.5	208-230/460	4.3	15	1
		213T	BM3704T	3,051	L1	25.88	154	84	208-230/460	4.8	35	1,40
7 1/2	1800	184T	BM3615T	2,089	L1	21.02	88	85.5	208-230/460	6.6	25	1,40
		184T	BM3635T	1,775	L1	21.02	84	85.5	208-230/460	6.6	15	1
		184T	P18A1586	1,775	L1	20.04	54	84	208-230/460	6.6	15	2,106
10	1800	215	BM3707	3,080	L1	22.87	91	85.5	208-230/460	6.6	25	1,40
		213T	BM3730T	2,549	L1	25.88	157	89.5	208-230/460	10.1	25	1,40
		213T	BM3710T	2,686	L1	25.88	162	87.5	208-230/460	10.9	35	1,40
15	1800	215T	BM3714T	3,417	L1	27.51	174	89.5	208-230/460	13.5	50	1,2,20
		215T	BM3734T	2,829	L1	27.51	166	89.5	208-230/460	13.5	35	1,2,20,40
		254T	BM2333T	4,584	L1	30.80	291	89.5	208-230/460	18.9	75	1
20	1800	254T	BM2353T	4,136	L1	29.38	270	89.5	208-230/460	18.9	50	1
		254T	P25G1736	4,136	L1	35.12	341	85.5	230/460	19.5	50	1,43
		256T	BM2334T	5,685	L1	31.63	327	91	230/460	25	105	1,30
25	1800	256T	BM2354T	4,807	L1	31.13	322	91	230/460	25	75	1,30
		256T	P25G1737	4,807	L1	35.12	420	87.5	230/460	25.4	75	1,43
		284T	BM4103T	6,020	L1	35.83	380	89.5	230/460	32	105	1,30
30	1800	284T	P28G1714	6,020	L1	37.62	458	87.5	230/460	31	105	1,43
		286T	BM4104T	8,443	L1	39.13	533	90.2	230/460	38	125	1,30

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

Enclosed brake motors have non-standard "BA" dimension except for TENV ratings.

↔ = Functional Equivalent

■ Cast Iron Frame

Single and Three Phase, TEFC, C-Face

1/4 thru 10 Hp

NEMA 56C thru 215TC

Applications: Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and positive hold.

Features: Spring-set brake. Power off operation manual release. Resets automatically. Brakes internally connected to motor on 215T and smaller.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating	Notes (a)
Single Phase, C-Face, Footless												
1/3	1800	56C	KBL3406	775	K	15.45	28	60	115/230	3	3	30,41
1/2	1800	56C	KBL3409	851	K	16.07	33	68	115/230	3.7	3	30,41
3/4	1800	56C	VBL3507	1,104	K	16.82	41	72	115/230	4.2	6	30,41
1	1800	56C	VBL3510	1,170	K	17.80	48	67	115/230	6.4	6	30,41
		143TC	VBL3510T	1,170	L1	17.86	49	67	115/230	6.4	6	30,41
Three Phase, C-Face, Foot Mounted												
1	1800	143TC	CBM3546T	1,133	L1	17.86	42	77	208-230/460	1.7	6	41
1 1/2	1800	145TC	CBM3554T	1,270	L1	17.86	46	78.5	208-230/460	2.5	10	41
2	1800	145TC	CBM3558T	1,306	L1	17.86	50	82.5	208-230/460	3.1	10	41
3	1800	182TC	CBM3611T	1,763	L1	19.74	71	82.5	208-230/460	4.3	15	1,41
5	1800	184TC	CBM3615T	2,204	L1	21.56	90	85.5	208-230/460	6.6	25	8
7 1/2	1800	213TC	CBM3710T	2,810	L1	26.83	163	87.5	208-230/460	10.9	35	1
10	1800	215TC	CBM3714T	3,610	L1	28.45	166	89.5	208-230/460	13.5	50	1
Three Phase, C-Face, Footless												
1/4	1800	56C	KBM3454	701	K	14.36	26	68	208-230/460	0.5	3	2,41,60
1/3	1800	56C	KBM3458	745	K	14.36	28	70	208-230/460	0.7	3	2,41,60
1/2	1800	56C	VBM3538	813	K	14.98	31	75.5	208-230/460	0.9	3	2,41,60
3/4	1800	56C	VBM3542	953	K	15.86	37	75	208-230/460	1.3	6	2,41,60
		56C	VBM3542-5	953	K	15.26	42	80	575	0.9	6	2,41,60
1	1800	56C	VBM3546	1,097	K	16.96	38	78.5	208-230/460	1.7	6	41
		143TC	VBM3546T	1,097	L1	17.02	39	78.5	208-230/460	1.7	6	41
		143TC	VBM3546T-5	1,097	L1	17.32	39	75	575	1.4	6	41
1 1/2	1800	56C	VBM3554	1,232	K	18.25	43	84	208-230/460	2.1	10	41
		145TC	VBM3554T	1,232	L1	18.32	52	84	208-230/460	2.1	10	41
2	1800	56C	VBM3558	1,263	K	17.80	52	82.5	208-230/460	3.1	10	41
		143TC	VBM3558T	1,263	L1	17.86	51	82.5	208-230/460	3.1	10	41
3	1800	182TC	VBM3611T	1,766	L1	19.74	67	82.5	208-230/460	4.3	15	1,41
5	1800	184TC	VBM3615T	2,182	L1	21.56	85	85.5	208-230/460	6.6	25	1,40
7 1/2	1800	213TC	VBM3710T	2,795	L1	26.83	161	87.5	208-230/460	10.9	35	1,40
10	1800	215TC	VBM3714T	3,547	L1	28.45	171	89.5	208-230/460	13.5	50	1

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

If brake motors are to be used with any electronic control, soft start, inverter or vector etc., then brake must be externally connected.

BRAKE INTERNALLY CONNECTED TO MOTOR ON 215T OR SMALLER NEMA FRAMES.

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, ODP

1/2 thru 15 Hp

NEMA 56 thru 254T

Applications: Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and positive hold.

Features: Spring-set brake. Power off operation manual release. Resets automatically. Brakes internally connected to motor on 215T and smaller.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating	Notes (a)
Foot Mounted												
1/2	1800	56	BM3108	749	K	14.14	27	74	230/460	1	3	30,41
3/4	1800	56	BM3112	872	K	14.77	31	75.5	208-230/460	1.5	6	41
1	1800	56	BM3116	949	K	15.64	34	78.5	208-230/460	1.7	3	41
		143T	BM3116T	949	L1	15.43	35	78.5	208-230/460	1.7	6	41
1 1/2	1800	145T	BM3154T	1,107	L1	15.32	41	78.5	208-230/460	2.4	10	41
2	1800	145T	BM3157T	1,251	L1	16.32	47	78.5	208-230/460	3.2	10	41
3	1800	182T	BM3211T	1,541	L1	18.19	68	82.5	208-230/460	4.3	15	41
		184T	BM3218T	1,935	L1	20.02	82	82.5	208-230/460	7	25	40
5	1800	184T	BM3248T	1,636	L1	19.57	74	82.5	208-230/460	7	15	40
		213T	BM3311T	2,366	L1	24.45	127	85.5	208-230/460	10.4	35	40
10	1800	215T	BM3313T	2,995	L1	24.95	147	89.5	208-230/460	13.4	50	1
15	1800	254T	BM2513T	4,011	L1	28.63	237	89.5	208-230/460	19.1	75	1
C-Face, Footless												
1/2	1800	56C	VBM3108	767	K	14.36	28	74	230/460	1	3	30,41
3/4	1800	56C	VBM3112	896	K	15.36	32	75.5	208-230/460	1.5	6	41
1	1800	56C	VBM3116	970	K	15.36	34	78.5	208-230/460	1.7	6	41
		143TC	VBM3116T	970	L1	15.42	34	78.5	208-230/460	1.7	6	41
1 1/2	1800	56C	VBM3154	1,127	K	15.26	42	78.5	208-230/460	2.4	10	41
		145TC	VBM3154T	1,127	L1	15.32	42	78.5	208-230/460	2.4	10	41
2	1800	145TC	VBM3157T	1,270	L1	16.32	47	78.5	208-230/460	3.2	10	41
3	1800	182TC	VBM3211T	1,609	L1	18.20	71	82.5	208-230/460	4.3	15	41
		184TC	VBM3218T	1,997	L1	20.02	77	82.5	208-230/460	7	25	40
5	1800	184TC	VBM3248T	1,679	L1	19.57	74	82.5	208-230/460	7	15	40

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

If brake motors are to be used with any electronic control, soft start, inverter or vector etc., then brake must be externally connected.

ALL BRAKE MOTORS WITH 20 FT.-LB OR SMALLER BRAKES CAN BE MOUNTED HORIZONTAL OR VERTICAL. FOR LARGER RATINGS CONSULT A BALDOR DISTRICT OFFICE. ALL MOTORS INCLUDE MANUAL RELEASE BRAKES AS STANDARD. BRAKES ON NON-EXPLOSION PROOF MOTORS 10 HP AND BELOW ARE INTERNALLY CONNECTED.

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,
Explosion Proof,
C-Face

1/2 thru 5 Hp

NEMA 56C thru 215TC

Applications: Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and positive hold.

Features: Spring-set brake. Power off operation manual release. Resets automatically. Explosion proof brakes require external connections.



Hp	RPM	NEMA Frame	Catalog Number	XP (a)	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating	Notes (b)
1/2	1800	56C	CBM7006A	①	2,757	K	18.50	39	75.5	208-230/460	0.8	3	2,60,62
3/4	1800	56C	CBM7010	①	3,040	K	19.13	97	80	208-230/460	1.1	6	2,60,62
1	1800	143TC	CBM7014T	①	3,504	L1	20.37	105	80	208-230/460	1.5	6	2,60,62
1 1/2	1800	145TC	CBM7034T	①	3,873	L1	21.62	82	84	208-230/460	2.1	10	28
2	1800	182TC	CBM7023T	①	4,241	L1	23.24	137	84	230/460	2.9	10	2,60,62
		182TC	P18G2130	⑧	5,236	L1	27.22	211	87.5	230/460	4.1	15	
3	1800	215TC	CBM7027T	①	5,881	L1	27.29	215	84	230/460	4.3	15	2,40,60,62
		184TC	CBM7044T	①	5,631	L1	27.22	215	87.5	230/460	6.7	25	
5	1800	184TC	P18G2131	⑧	6,307	L1	27.22	256	87.5	230/460	6.5	25	

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

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

■ Cast Iron Frame

Three Phase,
Totally Enclosed,
C-Face,
Foot Mounted

1/2 thru 5 Hp

NEMA 56C thru 184TC

Applications: Food processing and other applications where motors receive washdown on a regular basis.

Features: Class F insulated motor with 1.15 service factor or higher that operates within class "B" temperature limits at rated horsepower. Standard NEMA BA dimension, 300 series stainless steel hardware, moisture sealant on bolt heads, between frame and end plates. Neoprene gaskets. Spring-set brake internally connected to the motor. Power off manual release. Resets automatically. Motors have NEMA Premium® Efficiency and inverter-ready. 230/460V brakes are connected in conduit box allowing for separate connection when used with an inverter.



Hp	RPM	NEMA Frame	Enclosure	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating	Notes (a)
1/2	1800	56C	TENV	CEWDBM3538	1,671	WD	15.31	42	82.5	230/460	0.8	3	1
3/4	1800	56C	TENV	CEWDBM3542	1,806	WD	15.31	43	82.5	230/460	1.1	6	1
1	1800	56C	TENV	CEWDBM3546	1,854	WD	16.31	52	86.5	208-230/460	1.4	6	1
		143TC	TENV	CEWDBM3546T	1,873	WD	16.81	51	86.5	208-230/460	1.4	6	1
1 1/2	1800	145TC	TENV	CEWDBM3554T	2,018	WD	18.14	58	86.5	230/460	2	10	1,30
2	1800	145TC	TEFC	CEWDBM3558T	2,053	WD	19.44	57	86.5	208-230/460	2.7	10	1
3	1800	182TC	TEFC	CEWDBM3611T	2,484	WD	15.56	89	89.5	208-230/460	4.1	15	1
5	1800	184TC	TEFC	CEWDBM3615T	3,001	WD	17.06	111	90.2	230/460	6.5	25	1,30

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

Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

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