

**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. Class F insulated with 1.15 service factor. Motors have NEMA Premium® Efficiency and are suitable for inverter use. 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)
<b>Foot Mounted</b>												
1	1800	56	<b>EBM3546</b>	1,529	K	16.80	38	85.5	208-230/460	1.5	6	41
		143T	<b>EBM3546T</b>	1,560	L1	17.86	38	85.5	208-230/460	1.5	6	41
1 1/2	1800	145T	<b>EBM3554T</b>	1,756	L1	17.86	48	86.5	208-230/460	2.2	10	41
2	1800	145T	<b>EBM3558T</b>	1,795	L1	18.74	48	86.5	208-230/460	2.9	10	41
3	1800	182T	<b>EBM3611T</b>	2,325	L1	21.12	77	89.5	208-230/460	4.2	15	41
5	1800	184T	<b>EBM3615T</b>	2,819	L1	22.65	93	89.5	208-230/460	6.7	25	40
7 1/2	1800	213T	<b>EBM3710T</b>	3,780	L1	27.20	158	91.7	230/460	9.4	35	30, 40
10	1800	215T	<b>EBM3714T</b>	4,673	L1	29.19	165	91.7	208-230/460	12	50	40
15	1800	254T	<b>EBM2333T</b>	6,611	L1	33.07	312	92.4	230/460	18.5	75	30
20	1800	256T	<b>EBM2334T</b>	8,016	L1	33.57	331	93	230/460	24	105	30
25	1800	284T	<b>EBM4103T</b>	9,022	L1	39.66	504	93.6	230/460	30	105	30
30	1800	284T	<b>EBM4104T</b>	12,220	L1	42.84	667	93.6	230/460	37	125	30
<b>C-Face, Footless</b>												
1/2	1800	56C	<b>VEBNM3538</b>	1,392	K	15.26	41	84	230/460	0.9	3	41
3/4	1800	56C	<b>VEBNM3542</b>	1,565	K	15.26	40	84	208-230/460	1.1	6	41
1	1800	56C	<b>VEBM3546</b>	1,586	K	16.80	45	85.5	208-230/460	1.5	6	41
		143TC	<b>VEBM3546T</b>	1,597	L1	17.86	38	85.5	208-230/460	1.5	6	41
1 1/2	1800	56C	<b>VEBM3554</b>	1,783	K	17.80	47	86.5	208-230/460	2.2	6	41
		145TC	<b>VEBM3554T</b>	1,795	L1	17.86	41	86.5	208-230/460	2.2	10	41
2	1800	56C	<b>VEBM3558</b>	1,832	K	18.67	56	86.5	208-230/460	2.9	6	
		145TC	<b>VEBM3558T</b>	1,832	L1	18.74	48	86.5	208-230/460	2.9	10	41
3	1800	182TC	<b>VEBM3611T</b>	2,400	L1	21.11	72	89.5	208-230/460	4.2	15	41
5	1800	184TC	<b>VEBM3615T</b>	2,890	L1	23.06	99	89.5	208-230/460	6.7	25	40
7 1/2	1800	213TC	<b>VEBM3710T</b>	3,946	L1	27.95	172	91.7	230/460	9.4	35	30, 40
10	1800	215TC	<b>VEBM3714T</b>	4,838	L1	29.95	165	91.7	208-230/460	12	50	40

(a) See notes on inside back flap.

■ 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 Start & 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.

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)
<b>Single Phase</b>												
1/4	1800	56	<b>BL3516</b>	874	K	14.36	28	59.5	115/230	2.1	3	2, 30, 41, 60
1/3	1800	56	<b>BL3517</b>	921	K	15.46	29	60	115/230	3	3	30, 41
1/2	1800	56	<b>BL3518</b>	1,000	K	16.08	33	68	115/230	3.7	3	30, 41
3/4	1800	56	<b>BL3507</b>	1,313	K	16.71	42	72	115/230	4.2	6	30, 41
1	1800	56	<b>BL3510</b>	1,390	K	17.11	48	68	115/230	6.4	6	30, 41
<b>Three Phase</b>												
1/4	1800	56	<b>BM3568</b>	839	K	14.36	27	68	208-230/460	0.5	3	2, 41, 60
1/3	1800	56	<b>BM3569</b>	887	K	14.36	28	70	208-230/460	0.7	3	2, 41, 60
1/2	1800	56	<b>BM3538</b>	964	K	14.98	31	75.5	208-230/460	0.9	3	2, 41, 60
	1200	56	<b>BM3539</b>	1,328	K	16.45	32	72	230/460	1.2	6	30, 41
3/4	1800	56	<b>BM3542</b>	1,128	K	16.45	32	75.5	208-230/460	1.5	6	41
	1200	56	<b>BM3543</b>	1,394	K	17.45	41	77	208-230/460	1.5	6	41
1	1800	56	<b>BM3546</b>	1,309	K	17.45	39	78.5	208-230/460	1.7	6	41
		143T	<b>BM3546T</b>	1,309	L1	17.01	39	78.5	208-230/460	1.7	6	41
		182	<b>BM3603</b>	1,814	L1	17.49	40	75.5	208-230/460	1.8	6	41
1200	145T	<b>BM3556T</b>	1,864	L1	16.49	42	78.5	208-230/460	1.9	10	41	
	56	<b>BM3554</b>	1,469	K	17.11	45	84	208-230/460	2.4	10	41	
1 1/2	1800	145T	<b>BM3554T</b>	1,469	L1	17.49	44	84	208-230/460	2.4	10	41
		184	<b>BM3606</b>	1,940	L1	17.49	37	81.5	208-230/460	2.3	10	41
		56	<b>BM3558</b>	1,505	K	17.11	43	82.5	208-230/460	3	10	41
2	1800	145T	<b>BM3558T</b>	1,505	L1	17.49	51	82.5	208-230/460	3	10	41
		184	<b>BM3609</b>	2,019	L1	17.49	43	82.5	208-230/460	3	10	41
		184T	<b>BM3614T</b>	2,494	L1	20.57	81	80	208-230/460	3.3	15	41
3	1800	182T	<b>BM3611T</b>	2,040	L1	19.19	69	82.5	208-230/460	4.3	15	1, 41
		213	<b>BM3703</b>	3,050	L1	22.42	81	82.5	208-230/460	4.3	15	1
		1200	213T	<b>BM3704T</b>	3,695	L1	25.88	109	84	208-230/460	4.8	35
5	1800	184T	<b>BM3615T</b>	2,531	L1	21.02	81	85.5	208-230/460	6.6	25	1, 40
		184T	<b>BM3635T</b>	2,151	L1	21.02	89	85.5	208-230/460	6.6	15	1
		215	<b>BM3707</b>	3,730	L1	22.87	91	85.5	208-230/460	6.6	25	1, 40
7 1/2	1800	213T	<b>BM3710T</b>	3,253	L1	25.88	155	87.5	208-230/460	10.9	35	1, 40
		213T	<b>BM3730T</b>	3,087	L1	25.88	138	89.5	208-230/460	10.1	25	1, 40
10	1800	215T	<b>BM3714T</b>	4,139	L1	27.51	154	89.5	208-230/460	13.5	50	1, 2, 20
		215T	<b>BM3734T</b>	3,426	L1	27.51	158	89.5	208-230/460	13.5	35	1, 2, 20, 40
15	1800	254T	<b>BM2353T</b>	5,010	L1	29.38	249	89.5	208-230/460	18.9	50	1
20	1800	256T	<b>BM2334T</b>	6,885	L1	31.63	273	91	230/460	25	105	1, 30
		256T	<b>BM2354T</b>	5,822	L1	31.13	273	91	230/460	25	75	1, 30
25	1800	284T	<b>BM4103T</b>	7,290	L1	35.83	416	92.4	230/460	30	105	1, 30
30	1800	286T	<b>BM4104T</b>	10,224	L1	39.13	545	92.4	230/460	37	125	1, 30

(a) See notes on inside back flap.

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

■ 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, 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)
<b>Single Phase, C-Face, Footless</b>												
1/3	1800	56C	<b>KBL3406</b>	939	K	15.45	28	60	115/230	3	3	30, 41
1/2	1800	56C	<b>KBL3409</b>	1,031	K	16.07	33	68	115/230	3.7	3	30, 41
3/4	1800	56C	<b>VBL3507</b>	1,338	K	16.82	41	72	115/230	4.2	6	30, 41
1	1800	56C	<b>VBL3510</b>	1,418	K	17.80	48	68	115/230	6.4	6	30, 41
		143TC	<b>VBL3510T</b>	1,418	L1	17.86	41	68	115/230	6.4	6	30, 41
<b>Three Phase, C-Face, Foot Mounted</b>												
1	1800	143TC	<b>CBM3546T</b>	1,373	L1	17.86	40	75.5	208-230/460	1.8	6	41
1 1/2	1800	145TC	<b>CBM3554T</b>	1,539	L1	17.86	37	81.5	208-230/460	2.3	10	41
2	1800	145TC	<b>CBM3558T</b>	1,582	L1	17.86	43	82.5	208-230/460	3	10	41
3	1800	182TC	<b>CBM3611T</b>	2,136	L1	19.74	72	82.5	208-230/460	4.3	15	1, 41
5	1800	184TC	<b>CBM3615T</b>	2,670	L1	21.56	81	85.5	208-230/460	6.6	25	8
7 1/2	1800	213TC	<b>CBM3710T</b>	3,404	L1	26.83	160	87.5	208-230/460	10.9	35	1
10	1800	215TC	<b>CBM3714T</b>	4,372	L1	28.45	154	89.5	208-230/460	13.5	50	1
<b>Three Phase, C-Face, Footless</b>												
1/4	1800	56C	<b>KBM3454</b>	833	K	14.36	26	68	208-230/460	0.5	3	2, 41, 60
1/3	1800	56C	<b>KBM3458</b>	885	K	14.36	28	70	208-230/460	0.7	3	2, 41, 60
1/2	1800	56C	<b>VBM3538</b>	986	K	14.98	31	75.5	208-230/460	0.9	3	2, 41, 60
3/4	1800	56C	<b>VBM3542</b>	1,155	K	15.86	37	75	208-230/460	1.3	6	2, 41, 60
		56C	<b>VBM3542-5</b>	1,155	K	15.26	41	80	575	0.9	6	2, 41, 60
		56C	<b>VBM3546</b>	1,330	K	16.96	31	84	208-230/460	1.1	6	41
1	1800	143TC	<b>VBM3546T</b>	1,330	L1	17.02	39	78.5	208-230/460	1.7	6	41
		143TC	<b>VBM3546T-5</b>	1,330	L1	16.86	41	75.5	575	1.5	6	41
1 1/2	1800	56C	<b>VBM3554</b>	1,493	K	17.80	45	84	208-230/460	2.4	10	41
		145TC	<b>VBM3554T</b>	1,493	L1	17.86	45	84	208-230/460	2.4	10	41
2	1800	56C	<b>VBM3558</b>	1,530	K	17.80	51	82.5	208-230/460	3	10	41
		145TC	<b>VBM3558T</b>	1,530	L1	17.86	50	82.5	208-230/460	3	10	41
3	1800	182TC	<b>VBM3611T</b>	2,139	L1	19.74	72	82.5	208-230/460	4.3	15	1, 41
5	1800	184TC	<b>VBM3615T</b>	2,643	L1	21.56	81	85.5	208-230/460	6.6	25	1, 40
7 1/2	1800	213TC	<b>VBM3710T</b>	3,386	L1	26.83	128	87.5	208-230/460	10.9	35	1, 40
10	1800	215TC	<b>VBM3714T</b>	4,296	L1	28.45	154	89.5	208-230/460	13.5	50	1

(a) See notes on inside back flap.

If brake motors are to be used with any electronic control, soft start, inverter or vector etc., then brake must be externally 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, 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)
<b>Foot Mounted</b>												
1/2	1800	56	<b>BM3108</b>	908	K	14.14	29	74	230/460	1	3	30, 41
3/4	1800	56	<b>BM3112</b>	1,057	K	14.77	31	75.5	208-230/460	1.5	6	41
1	1800	56	<b>BM3116</b>	1,150	K	15.64	34	78.5	208-230/460	1.7	3	41
		143T	<b>EBM3116T</b>	1,343	L1	16.37	49	87.5	208-230/460	1.5	6	
1 1/2	1800	145T	<b>EBM3154T</b>	1,488	L1	16.37	48	86.5	230/460	2.2	10	41
2	1800	145T	<b>EBM3157T</b>	1,698	L1	16.37	50	86.5	230/460	2.9	10	41
3	1800	182T	<b>EBM3211T</b>	2,083	L1	19.57	81	89.5	208-230/460	4.2	15	
5	1800	184T	<b>EBM3218T</b>	2,574	L1	21.52	104	89.5	208-230/460	6.4	25	
		184T	<b>EBM3248T</b>	2,212	L1	21.06	103	89.5	208-230/460	6.4	15	
7 1/2	1800	213T	<b>EBM3311T</b>	3,235	L1	24.45	145	91	208-230/460	9.7	35	
10	1800	215T	<b>EBM3313T</b>	4,064	L1	26.08	159	91.7	208-230/460	12.5	50	
15	1800	254T	<b>EBM2513T</b>	5,375	L1	29.88	234	93	208-230/460	17.7	75	
<b>C-Face, Footless</b>												
1/2	1800	56C	<b>VBM3108</b>	929	K	14.36	28	74	230/460	1	3	30, 41
3/4	1800	56C	<b>VBM3112</b>	1,086	K	15.36	32	75.5	208-230/460	1.5	6	41
1	1800	56C	<b>VBM3116</b>	1,175	K	15.36	34	78.5	208-230/460	1.7	6	41
		143TC	<b>VBM3116T</b>	1,269	L1	15.32	41	82.5	208-230/460	1.6	6	41
1 1/2	1800	56C	<b>VBM3154</b>	1,366	K	15.26	44	80	208-230/460	2.5	10	41
		145TC	<b>VBM3154T</b>	1,475	L1	15.32	38	84	208-230/460	2.4	10	41
2	1800	145TC	<b>VBM3157T</b>	1,662	L1	16.32	43	84	208-230/460	3.2	10	41
3	1800	182TC	<b>VBM3211T</b>	2,105	L1	19.57	81	86.5	208-230/460	4.3	15	41
5	1800	184TC	<b>VBM3218T</b>	2,612	L1	20.02	74	87.5	208-230/460	7.2	25	40
		184TC	<b>VBM3248T</b>	2,197	L1	19.57	74	87.5	208-230/460	7.2	15	40

(a) See notes on inside back flap.

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 Starters & Dynamic Brakes

**BALDOR • RELIANCE**

**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. UL and CSA approved for Division 1, Class I, Group D; Class I, Group D, Class II, Group F & G.



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	Brake Rating	Notes (a)
1/2	1800	56C	CBM7006	②	T3C	3,306	K	19.44	94	80	208-230/460	0.8	3	
3/4	1800	56C	CBM7010	①	T2C	3,682	K	19.13	93	78.5	208-230/460	1.4	6	2, 60
1	1800	143TC	CBM7014T	②	T3C	4,244	L1	19.50	95	82.5	208-230/460	1.4	6	2, 60
2	1800	182TC	CBM7023T	①	T2C	5,137	L1	23.24	138	84	230/460	2.9	10	2, 60
3	1800	182TC	CEBM7142T	②	T3C	6,217	L1	27.22	240	91.7	230/460	12	15	
		215TC	CBM7027T	①	T2C	7,122	L1	27.29	215	84	230/460	4.3	15	2, 40, 60
5	1800	184TC	CEBM7144T	②	T3C	7,489	L1	27.22	289	91.7	230/460	12	25	

(a) See notes on inside back flap.

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

■ Cast Iron Frame

**Washdown,  
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	2,025	WD	15.31	42	84	208-230/460	0.9	3	60
3/4	1800	56C	TENV	CEWDBM3542	2,188	WD	15.31	44	84	230/460	1.1	6	60
1	1800	56C	TENV	CEWDBM3546	2,246	WD	16.31	50	85.5	208-230/460	1.5	6	60
		143TC	TENV	CEWDBM3546T	2,269	WD	16.81	51	85.5	208-230/460	1.5	6	60
1 1/2	1800	145TC	TENV	CEWDBM3554T	2,444	WD	18.14	61	86.5	208-230/460	2.1	10	60
2	1800	145TC	TEFC	CEWDBM3558T	2,487	WD	19.44	48	86.5	208-230/460	2.9	10	
3	1800	182TC	TEFC	CEWDBM3611T	3,009	WD	21.80	93	89.5	208-230/460	4.2	15	
5	1800	184TC	TEFC	CEWDBM3615T	3,635	WD	23.30	93	89.5	208-230/460	6.7	25	

(a) See notes on inside back flap.

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

**Double C-Face  
Motor Brake Kits**

**Coil Voltage: 115/208-230**

**Features:** Double C-Face coupler brakes. Mounts on motors with C-Face, provides NEMA C-face mounting on brake. Spring set, electrically released.



<b>Brake Rating</b>	<b>Brake Mounting</b>	<b>Catalog Number</b>	<b>List Price</b>	<b>Mult. Sym.</b>	<b>Ap'x. Shpg. Wgt.</b>
3 ft-lb	56C	<b>CBK003-1</b>	670	A8	12
6 ft-lb	56C	<b>CBK006-1</b>	986	A8	12
6 ft-lb	145TC	<b>CBK006-2</b>	986	A8	12
10 ft-lb	145TC	<b>CBK010-1</b>	1,150	A8	12
15 ft-lb	145TC	<b>CBK015-1</b>	2,457	A8	12

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