

**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	EISA Status (a)	Notes (a)
<b>Foot Mounted</b>													
1	1800	56	<b>EBM3546</b>	1,348	K	17.80	48	85.5	208-230/460	1.5	6	C	41
		143T	<b>EBM3546T</b>	1,375	L1	17.86	47	85.5	208-230/460	1.5	6	C	41
1 1/2	1800	145T	<b>EBM3554T</b>	1,548	L1	18.74	52	86.5	208-230/460	2.1	10	C	41
2	1800	145T	<b>EBM3558T</b>	1,582	L1	18.74	59	86.5	208-230/460	2.7	10	C	41
3	1800	182T	<b>EBM3611T</b>	2,050	L1	21.12	86	89.5	208-230/460	4.1	15	C	41
5	1800	184T	<b>EBM3615T</b>	2,485	L1	22.65	109	89.5	230/460	6.5	25	C	30, 40
7 1/2	1800	213T	<b>EBM3710T</b>	3,333	L1	27.20	158	91.7	230/460	9.4	35	C	30, 40
10	1800	215T	<b>EBM3714T</b>	4,120	L1	29.19	176	91.7	208-230/460	12	50	C	40
15	1800	254T	<b>EBM2333T</b>	5,829	L1	33.07	280	92.4	230/460	18.5	75	A	30
20	1800	256T	<b>EBM2334T</b>	7,068	L1	33.57	331	93	230/460	24	105	A	30
25	1800	284T	<b>EBM4103T</b>	7,955	L1	39.66	504	93.6	230/460	30	105	A	30
30	1800	284T	<b>EBM4104T</b>	10,775	L1	42.84	701	93.6	230/460	37	125	A	30
<b>C-Face, Footless</b>													
1/2	1800	56C	<b>VEBNM3538</b>	1,227	K	15.26	41	82.5	208-230/460	0.8	3	C	41
3/4	1800	56C	<b>VEBNM3542</b>	1,380	K	15.26	41	84	208-230/460	1.1	6	C	41
1	1800	56C	<b>VEBM3546</b>	1,398	K	17.80	52	85.5	208-230/460	1.5	6	C	41
		143TC	<b>VEBM3546T</b>	1,408	L1	17.86	49	85.5	208-230/460	1.5	6	C	41
1 1/2	1800	56C	<b>VEBM3554</b>	1,572	K	18.67	58	86.5	208-230/460	2.1	6	C	41
		145TC	<b>VEBM3554T</b>	1,582	L1	18.74	59	86.5	208-230/460	2.1	10	C	41
2	1800	56C	<b>VEBM3558</b>	1,615	K	18.67	58	86.5	208-230/460	2.6	6	C	
		145TC	<b>VEBM3558T</b>	1,615	L1	18.74	57	86.5	208-230/460	2.7	10	C	41
3	1800	182TC	<b>VEBM3611T</b>	2,116	L1	21.11	81	89.5	208-230/460	4.1	15	C	41
5	1800	184TC	<b>VEBM3615T</b>	2,548	L1	23.06	104	89.5	230/460	6.5	25	C	30, 40
7 1/2	1800	213TC	<b>VEBM3710T</b>	3,479	L1	27.95	171	91.7	230/460	9.4	35	C	30, 40
10	1800	215TC	<b>VEBM3714T</b>	4,266	L1	29.95	158	91.7	208-230/460	12	50	C	30, 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 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.

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating	EISA Status (a)	Notes (a)
<b>Single Phase</b>													
1/4	1800	56	<b>BL3516</b>	770	K	14.36	28	59.5	115/230	2.1	3	C	2, 30, 41, 60
1/3	1800	56	<b>BL3517</b>	812	K	15.46	29	60	115/230	3	3	C	30, 41
1/2	1800	56	<b>BL3518</b>	881	K	16.08	33	68	115/230	3.7	3	C	30, 41
3/4	1800	56	<b>BL3507</b>	1,157	K	16.71	40	72	115/230	4.2	6	C	30, 41
1	1800	56	<b>BL3510</b>	1,225	K	17.11	48	68	115/230	6.4	6	C	30, 41
<b>Three Phase</b>													
1/4	1800	56	<b>BM3568</b>	739	K	14.36	27	68	208-230/460	0.5	3	C	2, 41, 60
1/3	1800	56	<b>BM3569</b>	782	K	14.36	28	70	208-230/460	0.7	3	C	2, 41, 60
1/2	1800	56	<b>BM3538</b>	850	K	14.98	31	75.5	208-230/460	0.9	3	C	2, 41, 60
	1200	56	<b>BM3539</b>	1,171	K	16.45	29	72	230/460	1.2	6	C	30, 41
3/4	1800	56	<b>BM3542</b>	994	K	16.45	32	75.5	208-230/460	1.5	6	C	41
	1200	56	<b>BM3543</b>	1,229	K	17.45	39	77	208-230/460	1.5	6	C	41
1	1800	56	<b>BM3546</b>	1,154	K	17.45	38	78.5	208-230/460	1.7	6	C	41
		143T	<b>BM3546T</b>	1,154	L1	17.01	39	78.5	208-230/460	1.7	6	C	41
		182	<b>BM3603</b>	1,599	L1	17.49	42	75.5	208-230/460	1.8	6	C	41
1200	145T	<b>BM3556T</b>	1,643	L1	17.49	48	75.5	208-230/460	1.7	10	C	41	
	1 1/2	1800	56	<b>BM3554</b>	1,295	K	17.11	43	84	208-230/460	2.4	10	C
145T		<b>BM3554T</b>	1,295	L1	17.49	44	84	208-230/460	2.4	10	C	41	
184		<b>BM3606</b>	1,710	L1	17.49	48	78.5	208-230/460	2.5	10	C	41	
2	1800	56	<b>BM3558</b>	1,327	K	17.11	50	82.5	208-230/460	3.1	10	C	41
		145T	<b>BM3558T</b>	1,327	L1	17.49	52	82.5	208-230/460	3.1	10	C	41
		184	<b>BM3609</b>	1,780	L1	17.49	52	82.5	208-230/460	3.1	10	C	41
1200	184T	<b>BM3614T</b>	2,199	L1	20.57	75	80	208-230/460	3.3	15	C	41	
3	1800	182T	<b>BM3611T</b>	1,798	L1	19.19	66	82.5	208-230/460	4.3	15	C	1, 41
		213	<b>BM3703</b>	2,689	L1	22.42	76	82.5	208-230/460	4.3	15	C	1
		213T	<b>BM3704T</b>	3,258	L1	25.88	154	84	208-230/460	4.8	35	C	1, 40
5	1800	184T	<b>BM3615T</b>	2,231	L1	21.02	88	85.5	208-230/460	6.6	25	C	1, 40
		184T	<b>BM3635T</b>	1,896	L1	20.57	84	85.5	208-230/460	6.6	15	C	1
		215	<b>BM3707</b>	3,289	L1	22.87	91	85.5	208-230/460	6.6	25	C	1, 40
7 1/2	1800	213T	<b>BM3710T</b>	2,868	L1	25.88	162	87.5	208-230/460	10.9	35	C	1, 40
		213T	<b>BM3730T</b>	2,722	L1	25.88	157	89.5	208-230/460	10.1	25	C	1, 40
10	1800	215T	<b>BM3714T</b>	3,649	L1	27.51	174	89.5	208-230/460	13.5	50	C	1, 2, 20
		215T	<b>BM3734T</b>	3,021	L1	27.01	166	89.5	208-230/460	13.5	35	C	1, 2, 20, 40
15	1800	254T	<b>BM2353T</b>	4,417	L1	29.38	270	89.5	208-230/460	18.9	50	C	1
20	1800	256T	<b>BM2334T</b>	6,071	L1	31.63	327	91	230/460	25	105	C	1, 30
		256T	<b>BM2354T</b>	5,133	L1	31.13	322	91	230/460	25	75	C	1, 30
25	1800	284T	<b>BM4103T</b>	6,428	L1	35.83	380	92.4	230/460	32	105	C	1, 30
30	1800	286T	<b>BM4104T</b>	9,015	L1	39.13	533	92.4	230/460	38	125	C	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 Start & 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	EISA Status (a)	Notes (a)
<b>Single Phase, C-Face, Footless</b>													
1/3	1800	56C	<b>KBL3406</b>	828	K	15.45	28	60	115/230	3	3	C	30, 41
1/2	1800	56C	<b>KBL3409</b>	909	K	16.07	33	68	115/230	3.7	3	C	30, 41
3/4	1800	56C	<b>VBL3507</b>	1,179	K	16.82	41	72	115/230	4.2	6	C	30, 41
1	1800	56C	<b>VBL3510</b>	1,250	K	17.80	48	68	115/230	6.4	6	C	30, 41
		143TC	<b>VBL3510T</b>	1,250	L1	17.86	49	68	115/230	6.4	6	C	30, 41
<b>Three Phase, C-Face, Foot Mounted</b>													
1	1800	143TC	<b>CBM3546T</b>	1,210	L1	17.86	42	75.5	208-230/460	1.8	6	C	41
1 1/2	1800	145TC	<b>CBM3554T</b>	1,357	L1	17.86	46	78.5	208-230/460	2.5	10	C	41
2	1800	145TC	<b>CBM3558T</b>	1,395	L1	17.86	53	82.5	208-230/460	3.1	10	C	41
3	1800	182TC	<b>CBM3611T</b>	1,883	L1	19.74	75	82.5	208-230/460	4.3	15	C	1, 41
5	1800	184TC	<b>CBM3615T</b>	2,354	L1	21.56	90	85.5	208-230/460	6.6	25	C	8
7 1/2	1800	213TC	<b>CBM3710T</b>	3,001	L1	26.83	163	87.5	208-230/460	10.9	35	C	1
10	1800	215TC	<b>CBM3714T</b>	3,855	L1	28.45	166	89.5	208-230/460	13.5	50	C	1
<b>Three Phase, C-Face, Footless</b>													
1/4	1800	56C	<b>KBM3454</b>	734	K	14.36	26	68	208-230/460	0.5	3	C	2, 41, 60
1/3	1800	56C	<b>KBM3458</b>	780	K	14.36	28	70	208-230/460	0.7	3	C	2, 41, 60
1/2	1800	56C	<b>VBM3538</b>	869	K	14.98	31	75.5	208-230/460	0.9	3	C	2, 41, 60
3/4	1800	56C	<b>VBM3542</b>	1,018	K	15.86	37	75	208-230/460	1.3	6	C	2, 41, 60
		56C	<b>VBM3542-5</b>	1,018	K	15.26	42	80	575	0.9	6	C	2, 41, 60
1	1800	56C	<b>VBM3546</b>	1,172	K	16.95	38	78.5	208-230/460	1.7	6	C	41
		143TC	<b>VBM3546T</b>	1,172	L1	17.02	39	78.5	208-230/460	1.7	6	C	41
		143TC	<b>VBM3546T-5</b>	1,172	L1	16.86	39	75	575	1.4	6	C	41
1 1/2	1800	56C	<b>VBM3554</b>	1,316	K	17.80	48	84	208-230/460	2.4	10	C	41
		145TC	<b>VBM3554T</b>	1,316	L1	17.86	52	84	208-230/460	2.4	10	C	41
2	1800	56C	<b>VBM3558</b>	1,349	K	17.80	52	82.5	208-230/460	3.1	10	C	41
		145TC	<b>VBM3558T</b>	1,349	L1	17.86	51	82.5	208-230/460	3.1	10	C	41
3	1800	182TC	<b>VBM3611T</b>	1,886	L1	19.74	67	82.5	208-230/460	4.3	15	C	1, 41
5	1800	184TC	<b>VBM3615T</b>	2,330	L1	21.56	85	85.5	208-230/460	6.6	25	C	1, 40
7 1/2	1800	213TC	<b>VBM3710T</b>	2,985	L1	26.83	161	87.5	208-230/460	10.9	35	C	1, 40
10	1800	215TC	<b>VBM3714T</b>	3,788	L1	28.45	171	89.5	208-230/460	13.5	50	C	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.

**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	EISA Status (a)	Notes (a)
<b>Foot Mounted</b>													
1/2	1800	56	<b>BM3108</b>	800	K	14.14	27	74	230/460	1	3	C	30, 41
3/4	1800	56	<b>BM3112</b>	932	K	14.77	31	75.5	208-230/460	1.5	6	C	41
1	1800	56	<b>BM3116</b>	1,014	K	15.64	34	78.5	208-230/460	1.7	3	C	41
		143T	<b>EBM3116T</b>	1,184	L1	16.37	45	85.5	208-230/460	1.5	6	A	
1 1/2	1800	145T	<b>BM3154T</b>	1,182	L1	15.32	41	78.5	208-230/460	2.4	10	D	41
		145T	<b>EBM3154T</b>	1,312	L1	17.20	44	86.5	230/460	2.1	10	A	41
2	1800	145T	<b>BM3157T</b>	1,336	L1	16.32	47	78.5	208-230/460	3.2	10	D	41
		145T	<b>EBM3157T</b>	1,497	L1	17.20	50	86.5	230/460	2.8	10	A	41
3	1800	182T	<b>EBM3211T</b>	1,836	L1	19.57	72	89.5	208-230/460	4.1	15	A	
5	1800	184T	<b>EBM3218T</b>	2,269	L1	21.52	92	89.5	208-230/460	6.4	25	A	
		184T	<b>EBM3248T</b>	1,950	L1	21.07	92	89.5	208-230/460	6.4	15	A	
7 1/2	1800	213T	<b>EBM3311T</b>	2,852	L1	24.45	120	91	208-230/460	9.7	35	A	
10	1800	215T	<b>EBM3313T</b>	3,583	L1	26.08	132	91.7	208-230/460	12.5	50	A	
15	1800	254T	<b>EBM2513T</b>	4,739	L1	29.88	234	93	208-230/460	17.7	75	A	
<b>C-Face, Footless</b>													
1/2	1800	56C	<b>VBM3108</b>	819	K	14.36	28	74	230/460	1	3	C	30, 41
3/4	1800	56C	<b>VBM3112</b>	957	K	15.36	32	75.5	208-230/460	1.5	6	C	41
1	1800	56C	<b>VBM3116</b>	1,036	K	15.36	34	78.5	208-230/460	1.7	6	C	41
		143TC	<b>VBM3116T</b>	1,119	L1	15.53	34	78.5	208-230/460	1.7	6	B	41
1 1/2	1800	56C	<b>VBM3154</b>	1,204	K	15.26	42	78.5	208-230/460	2.4	10	C	41
		145TC	<b>VBM3154T</b>	1,300	L1	15.32	42	84	208-230/460	2.4	10	B	41
2	1800	145TC	<b>VBM3157T</b>	1,465	L1	16.32	47	78.5	208-230/460	3.2	10	B	41
3	1800	182TC	<b>VBM3211T</b>	1,856	L1	19.57	74	82.5	208-230/460	4.3	15	B	41
5	1800	184TC	<b>VBM3218T</b>	2,303	L1	20.02	77	82.5	208-230/460	7	25	B	40
		184TC	<b>VBM3248T</b>	1,937	L1	19.57	74	82.5	208-230/460	7	15	B	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 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	Encl.	Catalog Number	XP (a) CIs/Grp	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating	EISA Status (a)	Notes (a)
1/2	1800	56C	XPNV	<b>CBM7006</b>	⑧	2,915	K	19.44	96	75.5	208-230/460	0.8	3	C	
3/4	1800	56C	XPNV	<b>CBM7010</b>	①	3,246	K	19.13	94	78.5	208-230/460	1.4	6	C	2, 60
1	1800	143TC	XPNV	<b>CBM7014T</b>	①	3,742	L1	20.37	105	80	208-230/460	1.5	6	C	2, 60
2	1800	182TC	XPNV	<b>CBM7023T</b>	①	4,529	L1	23.24	137	84	230/460	2.9	10	C	2, 60
3	1800	182TC	XPFC	<b>CEBM7142T</b>	⑧	5,482	L1	27.22	215	89.5	230/460	4.1	15	A	
		215TC	XPNV	<b>CBM7027T</b>	①	6,280	L1	27.31	215	84	230/460	4.3	15	C	2, 40, 60
5	1800	184TC	XPFC	<b>CEBM7144T</b>	⑧	6,603	L1	27.22	256	89.5	230/460	6.5	25	A	

(a) See notes on inside back flap.  
 ■ 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	Encl.	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating	EISA Status (a)	Notes (a)
1/2	1800	56C	TENV	<b>CEWDBM3538</b>	1,785	WD	15.31	42	82.5	230/460	0.8	3	C	
3/4	1800	56C	TENV	<b>CEWDBM3542</b>	1,929	WD	15.31	43	84	230/460	1.1	6	C	
1	1800	56C	TENV	<b>CEWDBM3546</b>	1,980	WD	16.31	52	85.5	208-230/460	1.4	6	C	
		143TC	TENV	<b>CEWDBM3546T</b>	2,000	WD	16.81	54	85.5	208-230/460	1.4	6	C	
1 1/2	1800	145TC	TENV	<b>CEWDBM3554T</b>	2,155	WD	18.14	58	86.5	230/460	2	10	C	30
2	1800	145TC	TEFC	<b>CEWDBM3558T</b>	2,193	WD	19.44	62	86.5	208-230/460	2.7	10	A	
3	1800	182TC	TEFC	<b>CEWDBM3611T</b>	2,653	WD	21.80	89	89.5	208-230/460	4.1	15	A	
5	1800	184TC	TEFC	<b>CEWDBM3615T</b>	3,205	WD	21.80	111	89.5	230/460	6.5	25	A	30

(a) See notes on inside back flap.

**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.



Brake Rating	Brake Mounting	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
3 ft-lb	56C	CBK003-1	585	A8	12
6 ft-lb	56C	CBK006-1	861	A8	12
6 ft-lb	145TC	CBK006-2	861	A8	12
10 ft-lb	145TC	CBK010-1	1,004	A8	12
15 ft-lb	145TC	CBK015-1	2,146	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 Start & Dynamic Brakes