

## Single and three phase, TEFC

1/4 thru 30 Hp

IP44\*



### Features:

- Manual release
- Spring-set brake
- Vibration damping base
- Super-E® motors have NEMA Premium® efficiency
- Three phase motors suitable for inverter use per NEMA MG1 Part 31.4.4.2 unless note 38 is indicated

### Applications:

- Conveyors
- Unit handling
- Machine tools
- Door operators
- Speed reducers
- Packaging equipment
- General purpose applications

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating (b)	Notes (a)
<b>Single phase, foot mounted</b>												
1/4	1800	56	<b>BL3516</b>	1,548	BE1	14.36	27	59.5	115/230	2.1	3	2, 30, 41, 60
1/3	1800	56	<b>BL3517</b>	1,632	BE1	15.46	27	60	115/230	3	3	30, 41
1/2	1800	56	<b>BL3518</b>	1,770	BE1	16.08	32	68	115/230	3.7	3	30, 41
<b>Single phase, footless</b>												
1/3	1800	56C	<b>KBL3406</b>	1,714	BE1	15.45	27	60	115/230	3	3	30, 41
1/2	1800	56C	<b>KBL3409</b>	1,880	BE1	16.07	32	68	115/230	3.7	3	30, 41
3/4	1800	56C	<b>VBL3507</b>	2,442	BE1	16.82	40	72	115/230	4.2	6	30, 41
1	1800	56C	<b>VBL3510</b>	2,587	BE1	17.80	49	76.5	115/230	4.5	6	30, 41
		143TC	<b>VBL3510T</b>	2,587	BE1	17.86	49	76.5	115/230	4.5	6	30, 41
<b>Foot mounted</b>												
1/3	1800	56	<b>BM3569</b>	1,505	BE3	14.36	27	70	208-230/460	0.7	3	2, 38, 41, 60
1/2	1800	56	<b>BM3538</b>	1,635	BE3	14.98	31	75.5	208-230/460	0.9	3	2, 38, 41, 60
	1200	56	<b>BM3539</b>	2,253	BE3	16.45	35	72	230/460	1.2	6	30, 38, 41
3/4	1800	56	<b>BM3542</b>	1,913	BE3	16.45	31	75.5	208-230/460	1.5	6	38, 41
	1200	56	<b>BM3543</b>	2,365	BE3	17.45	39	77	208-230/460	1.5	6	38, 41
1	1800	56	<b>EBM3546</b>	2,594	BE3	16.80	44	85.5	230/460	1.5	6	30, 41
		143T	<b>EBM3546T</b>	2,646	BE3	17.86	46	85.5	230/460	1.5	6	30, 41
1 1/2	1800	145T	<b>EBM3554T</b>	2,979	BE3	17.86	52	86.5	230/460	2.2	10	30, 41
2	1800	145T	<b>EBM3558T</b>	3,127	BE3	17.86	57	86.5	230/460	2.9	10	30, 41
3	1800	182T	<b>EBM3611T</b>	3,944	BE3	21.12	89	89.5	230/460	4.2	15	30, 41
5	1800	184T	<b>EBM3615T</b>	4,782	BE3	22.65	106	89.5	230/460	6.7	25	30, 42
7 1/2	1800	213T	<b>EBM3710T</b>	6,307	BE3	27.20	158	91.7	230/460	9.4	35	30, 40
10	1800	215T	<b>EBM3714T</b>	7,927	BE3	29.19	165	91.7	230/460	12	50	30, 40
15	1800	254T	<b>EBM2333T</b>	11,214	BE3	33.07	337	92.4	230/460	18.1	75	30
20	1800	256T	<b>EBM2334T</b>	14,550	BE3	33.57	398	93	230/460	24	105	30
25	1800	284T	<b>EBM4103T</b>	18,380	BE3	39.66	516	93.6	230/460	30	105	30
30	1800	284T	<b>EBM4104T</b>	20,727	BE3	42.84	667	93.6	230/460	37	125	30
<b>C-Face, foot mounted</b>												
1	1800	143TC	<b>CEBM3546T</b>	2,587	BE3	17.86	43	85.5	230/460	1.7	6	41
1 1/2	1800	145TC	<b>CEBM3554T</b>	2,786	BE3	17.86	48	86.5	230/460	2.2	10	41
2	1800	145TC	<b>CEBM3558T</b>	2,865	BE3	17.86	52	86.5	230/460	2.9	10	41
3	1800	182TC	<b>CEBM3611T</b>	3,203	BE3	21.11	77	89.5	230/460	4.2	15	1, 41
5	1800	184TC	<b>CEBM3615T</b>	3,753	BE3	23.06	101	89.5	230/460	6.7	25	1, 42
7 1/2	1800	213TC	<b>CEBM3710T</b>	6,881	BE3	27.95	149	91.7	230/460	9.4	35	1, 40
10	1800	215TC	<b>CEBM3714T</b>	7,504	BE3	29.95	183	91.7	230/460	12	50	1, 42

(a) See notes on inside back flap.

(b) Brake torque rating in lb-ft.

■ Cast iron frame

\*IP54 when Drain Fitting Kit #HA5027A03 is installed in the weep holes (48 thru 256T frame motors only)

**Single and three phase, TEFC**

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating (b)	Notes (a)
<b>Footless</b>												
1/4	1800	56C	<b>KBM3454</b>	1,413	BE3	14.36	26	68	208-230/460	0.5	3	2, 38, 41, 60
1/3	1800	56C	<b>KBM3458</b>	1,502	BE3	14.36	23	70	208-230/460	0.7	3	2, 38, 41, 60
1/2	1800	56C	<b>VEBNM3538</b>	2,361	BE3	15.26	37	84	230/460	0.9	3	41, 60
		56C	<b>VBM3538</b>	1,673	BE3	14.98	30	75.5	208-230/460	0.9	3	2, 38, 41, 60
3/4	1800	56C	<b>VEBNM3542</b>	2,654	BE3	15.26	53	84	208-230/460	1.1	6	41, 60
		56C	<b>VBM3542</b>	1,960	BE3	15.86	35	75	208-230/460	1.3	6	2, 38, 41, 60
1	1800	56C	<b>VEBM3546</b>	2,256	BE3	16.80	45	85.5	230/460	1.5	6	1, 30, 41
		143TC	<b>VEBM3546T</b>	2,587	BE3	16.86	45	85.5	230/460	1.5	6	1, 30, 41
1 1/2	1800	56C	<b>VEBM3554</b>	2,709	BE3	17.80	53	86.5	230/460	2.2	6	1, 30, 41
		145TC	<b>VEBM3554T</b>	2,786	BE3	17.86	52	86.5	230/460	2.2	10	1, 30, 41
2	1800	56C	<b>VEBM3558</b>	2,789	BE3	17.80	56	86.5	230/460	2.9	6	1, 30, 41
		145TC	<b>VEBM3558T</b>	2,865	BE3	17.86	57	86.5	230/460	2.9	10	1, 30, 41
3	1800	182TC	<b>VEBM3611T</b>	3,203	BE3	21.11	82	89.5	230/460	4.2	15	1, 30, 41
5	1800	184TC	<b>VEBM3615T</b>	3,753	BE3	23.06	99	89.5	230/460	6.7	25	1, 30, 42
7 1/2	1800	213TC	<b>VEBM3710T</b>	6,881	BE3	27.89	172	91.7	230/460	9.4	35	1, 30, 40
10	1800	215TC	<b>VEBM3714T</b>	7,504	BE3	29.89	165	91.7	230/460	12	50	1, 30, 42
<b>575 volts</b>												
3/4	1800	56C	<b>VBM3542-5</b>	1,960	BE3	15.26	40	80	575	1.9	6	2, 41, 60
1	1800	143TC	<b>VEBM3546T-5</b>	2,587	BE3	16.86	44	85.5	575	1.2	6	1, 41
1 1/2	1800	143TC	<b>VEBM3554T-5</b>	2,786	BE3	17.87	52	86.5	575	1.8	10	1, 42
2	1800	145TC	<b>VEBM3558T-5</b>	2,865	BE3	17.87	57	86.5	575	2.3	10	1, 42
3	1800	182TC	<b>VEBM3611T-5</b>	3,203	BE3	21.11	82	89.5	575	3.1	15	1, 42

(a) See notes on inside back flap.

(b) Brake torque rating in lb-ft. Brakes cannot be operated on variable frequency drives.

■ Cast iron frame

**Red** catalog number indicates **NEW** product.

\*IP54 when Drain Fitting Kit #HA5027A03 is installed in the weep holes (48 thru 256T frame motors only)

Definite purpose

Unit Handling

Brake

IEC Frame

50 Hertz

Variable Speed AC

DC

Accessories

Service

Grinders

## Single and three phase, TEFC, C-Face, fan on drive end 3/4 thru 30 Hp

IP44\*



### Features:

- Manual release
- Spring-set brake
- Fan on DE
- Easily accessible brake leads
- Vibration damping base
- Super-E® motors have NEMA Premium® efficiency
- Three phase motors suitable for inverter use per NEMA MG1 Part 31.4.4.2

### Applications:

- Conveyors
- Unit handling
- Machine tools
- Door operators
- Speed reducers
- Packaging equipment
- General purpose applications

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating (b)	Notes (a)
<b>Single phase</b>												
3/4	1800	56Y	<b>BL3507</b>	2,396	BE1	16.71	42	72	115/230	4.2	6	30, 41
1	1800	56Y	<b>BL3510</b>	2,536	BE1	17.11	52	68	115/230	6.4	6	30, 41
<b>Three phase</b>												
1	1800	182Y	<b>EBM3603Y</b>	2,854	BE3	17.49	44	85.5	230/460	1.5	6	30, 41
	1200	145TY	<b>EBM3556TY</b>	2,765	BE3	17.49	48	82.5	230/460	1.8	10	30, 41
1 1/2	1800	56Y	<b>EBM3554Y</b>	2,722	BE3	17.11	48	86.5	230/460	2.2	10	30, 41
		145TY	<b>EBM3554TY</b>	2,722	BE3	17.49	48	86.5	230/460	2.2	10	30, 41
	184Y	<b>EBM3606Y</b>	3,035	BE3	17.49	48	86.5	230/460	2.2	10	30, 41	
2	1800	56Y	<b>EBM3558Y</b>	2,801	BE3	17.11	52	86.5	230/460	2.9	10	30, 41
		145TY	<b>EBM3558TY</b>	2,801	BE3	17.49	52	86.5	230/460	2.9	10	30, 41
	184Y	<b>EBM3609Y</b>	3,122	BE3	17.49	52	86.5	230/460	2.9	10	30, 41	
	1200	184TY	<b>EBM3614TY</b>	3,330	BE3	22.12	104	88.5	230/460	3.5	15	30, 41
3	1800	182TY	<b>EBM3611TY</b>	3,081	BE3	20.62	77	89.5	230/460	4.2	15	1, 30, 41
		213Y	<b>EBM3703Y</b>	4,851	BE3	22.42	77	89.5	230/460	4.2	15	1, 30, 41
	1200	213TY	<b>EBM3704TY</b>	6,685	BE3	27.01	154	89.5	230/460	4.6	35	1, 30, 40
	184TY	<b>EBM3615TY</b>	3,631	BE3	22.12	101	89.5	230/460	6.7	25	1, 30, 40	
5	1800	184TY	<b>EBM3635TY</b>	3,130	BE3	22.12	100	89.5	230/460	6.7	15	1, 30, 41
		215Y	<b>EBM3707Y</b>	5,828	BE3	22.87	100	89.5	230/460	6.9	25	1, 30, 40
7 1/2	1800	213TY	<b>EBM3710TY</b>	6,646	BE3	27.01	149	91.7	230/460	9.4	35	1, 30, 40
		213TY	<b>EBM3730TY</b>	5,502	BE3	27.01	146	91.7	230/460	9.4	25	1, 30, 40
10	1800	215TY	<b>EBM3714TY</b>	7,268	BE3	29.01	183	91.7	230/460	12	50	1, 30, 42
		215TY	<b>EBM3734TY</b>	6,936	BE3	28.51	187	91.7	230/460	12	35	1, 30, 40
15	1800	254TY	<b>EBM2353TY</b>	10,227	BE3	32.71	286	92.4	230/460	18.1	50	1, 30
20	1800	256TY	<b>EBM2334TY</b>	14,550	BE3	23.28	263	93	230/460	24	105	1, 30
		256TY	<b>EBM2354TY</b>	13,019	BE3	32.71	328	93	230/460	24	75	1, 30
25	1800	284TY	<b>EBM4103TY</b>	18,380	BE3	35.83	448	93.6	230/460	30	105	1, 30
30	1800	286TY	<b>EBM4104TY</b>	20,575	BE3	39.13	565	93.6	230/460	38	125	1, 30

(a) See notes on inside back flap.

(b) Brake torque rating in lb-ft. Brakes cannot be operated on variable frequency drives.

■ Cast iron frame

\*IP54 when Drain Fitting Kit #HA5027A03 is installed in the weep holes (48 thru 256T frame motors only)

## Single and three phase, TEFC and open, Dings brake

3 thru 10 Hp

TEFC  
IP43

Open  
IP22



### Features:

- Manual release
- Spring-set brake
- Fan on DE
- Easily accessible brake leads
- Vibration damping base
- Super-E® motors have NEMA Premium® efficiency
- Three phase motors suitable for inverter use per NEMA MG1 Part 31.4.4.2

### Applications:

- Conveyors
- Unit handling
- Machine tools
- Door operators
- Speed reducers
- Packaging equipment
- General purpose applications

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating (b)	Notes (a)
<b>Single phase</b>												
3	1200	213TY	<b>EBM3704TY-DI</b>	7,188	BE3	27.20	140	89.5	230/460	4.6	35	1, 30, 40
		184T	<b>EBM3615T-DI</b>	5,141	BE3	23.21	125	89.5	230/460	6.7	25	30, 42
5	1800	184TY	<b>EBM3615TY-DI</b>	3,904	BE3	22.84	125	89.5	230/460	6.7	25	1, 30, 40
		215Y	<b>EBM3707Y-DI</b>	6,266	BE3	22.84	127	89.5	230/460	6.9	25	1, 30, 40
7 1/2	1800	213TY	<b>EBM3710TY-DI</b>	7,145	BE3	27.20	157	91.7	230/460	9.4	35	1, 30, 40
		213TY	<b>EBM3730TY-DI</b>	5,915	BE3	27.20	157	91.7	230/460	9.4	25	1, 30, 40
10	1800	215TY	<b>EBM3734TY-DI</b>	7,456	BE3	27.20	195	91.7	230/460	12	35	1, 30, 40
		215TY	<b>EBM3714TY-DI</b>	7,815	BE3	28.70	195	91.7	230/460	12	50	1, 30, 42
<b>Totally enclosed fan cooled, C-Face, foot mounted</b>												
5	1800	184TC	<b>CEBM3615T-DI</b>	3,753	BE3	23.20	123	89.5	230/460	6.7	25	1, 42
<b>Totally enclosed fan cooled, C-Face, footless</b>												
5	1800	184TC	<b>VEBM3615T-DI</b>	3,753	BE3	23.22	125	89.5	230/460	6.7	25	1, 30, 42
<b>Open, foot mounted</b>												
5	1800	184T	<b>EBM3218T-DI</b>	4,367	B03	21.84	122	89.5	230/460	6.4	25	30, 42
<b>Open, C-Face, footless</b>												
5	1800	184TC	<b>VEBM3218T-DI</b>	3,787	B03	21.84	122	89.5	230/460	6.6	25	30, 42

(a) See notes on inside back flap.

(b) Brake torque rating in lb-ft. Brakes cannot be operated on variable frequency drives.

## Three phase, ODP 1/2 thru 15 Hp

IP22



### Features:

- Manual release
- Spring-set brake
- Vibration damping base
- Dynamically balanced rotor
- Super-E® motors have NEMA Premium® Efficiency
- Suitable for inverter use per NEMA MG1 Part 31.4.4.2 unless note 38 is indicated

### Applications:

- Conveyors
- Unit handling
- Machine tools
- Door operators
- Speed reducers
- Packaging equipment
- General purpose applications

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating (b)	Notes (a)
<b>Foot mounted</b>												
1/2	1800	56	<b>BM3108</b>	1,495	B03	14.14	27	74	230/460	1	3	30, 38, 41
3/4	1800	56	<b>BM3112</b>	1,741	B03	14.77	31	75.5	208-230/460	1.5	6	38, 41
1	1800	56	<b>BM3116</b>	1,951	B03	15.64	33	78.5	208-230/460	1.7	3	38, 41
		143T	<b>EBM3116T</b>	2,274	B03	16.37	49	87.5	208-230/460	1.5	6	41
1 1/2	1800	145T	<b>EBM3154T</b>	2,524	B03	16.37	48	86.5	230/460	2.2	10	30, 41
2	1800	145T	<b>EBM3157T</b>	2,880	B03	16.37	51	86.5	230/460	2.9	10	30, 41
3	1800	182T	<b>EBM3211T</b>	3,534	B03	19.57	83	89.5	230/460	4.2	15	30, 41
		184T	<b>EBM3218T</b>	4,367	B03	21.52	104	89.5	230/460	6.4	25	30, 42
5	1800	184T	<b>EBM3248T</b>	3,753	B03	21.06	104	89.5	230/460	6.4	15	30, 41
		213T	<b>EBM3311T</b>	5,488	B03	24.45	149	91	230/460	9.7	35	30, 40
10	1800	215T	<b>EBM3313T</b>	6,883	B03	26.08	159	91.7	230/460	12.5	50	30, 42
15	1800	254T	<b>EBM2513T</b>	9,118	B03	29.88	252	93	230/460	17.7	75	30, 42
<b>C-Face, footless</b>												
1/2	1800	56C	<b>VBM3108</b>	1,576	B03	14.36	28	74	230/460	1	3	30, 38, 41
3/4	1800	56C	<b>VBM3112</b>	1,831	B03	15.36	31	75.5	208-230/460	1.5	6	38, 41
1	1800	56C	<b>VBM3116</b>	1,994	B03	15.36	33	78.5	208-230/460	1.7	6	38, 41
		143TC	<b>VEBM3116T</b>	2,541	B03	15.32	44	85.5	230/460	1.5	6	30, 41
1 1/2	1800	56C	<b>VBM3154</b>	2,317	B03	15.26	44	80	208-230/460	2.5	10	41
		145TC	<b>VEBM3154T</b>	2,654	B03	15.37	44	86.5	230/460	2.2	10	30, 41
2	1800	145TC	<b>VEBM3157T</b>	2,745	B03	16.37	50	86.5	230/460	2.9	10	30, 41
		182TC	<b>VEBM3211T</b>	3,148	B03	19.57	81	89.5	230/460	4.2	15	30, 41
3	1800	184TC	<b>VEBM3218T</b>	3,787	B03	21.52	100	89.5	230/460	6.6	25	30, 42
		184TC	<b>VBM3218T</b>	4,431	B03	20.02	84	87.5	208-230/460	7.2	25	16, 42
5	1800	184TC	<b>VEBM3248T</b>	3,288	B03	21.07	99	89.5	230/460	6.6	15	30, 41

(a) See notes on inside back flap.

(b) Brake torque rating in lb-ft. Brakes cannot be operated on variable frequency drives.

## Washdown, three phase, totally enclosed, C-Face, foot mounted

1/2 thru 5 Hp

**IP55**



**Features:**

- 300 series stainless steel hardware
- Neoprene gaskets
- Double sealed ball bearings
- Power off manual release brake with automatic reset
- Lip and V-Ring seal on DE
- NEMA Premium® efficiency
- White epoxy, corrosion resistant finish
- Stainless steel shaft extension
- Standard NEMA BA dimension

**Applications:**

- Food processing
- Wet environment
- Conveyors
- Packaging
- Pumps and wastewater

Hp	RPM	NEMA Frame	Enclosure	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating (b)	Notes (a)
1/2	1800	56C	TENV	<b>CEWDBM3538</b>	3,435	WDW	15.31	42	84	208-230/460	0.9	3	1, 12, 41
3/4	1800	56C	TENV	<b>CEWDBM3542</b>	3,712	WDW	15.31	42	84	230/460	1.1	6	1, 12, 30, 41
1	1800	56C	TENV	<b>CEWDBM3546</b>	3,810	WDW	16.31	50	85.5	230/460	1.5	6	1, 30, 41
		143TC	TENV	<b>CEWDBM3546T</b>	3,736	WDW	16.81	51	85.5	230/460	1.5	6	1, 30, 41
1 1/2	1800	145TC	TENV	<b>CEWDBM3554T</b>	4,146	WDW	18.14	61	86.5	230/460	2.1	10	30, 41
2	1800	145TC	TEFC	<b>CEWDBM3558T</b>	4,219	WDW	18.56	60	86.5	230/460	2.9	10	1, 30, 41
3	1800	182TC	TEFC	<b>CEWDBM3611T</b>	5,105	WDW	21.80	93	89.5	230/460	4.2	15	1, 30, 41
5	1800	184TC	TEFC	<b>CEWDBM3615T</b>	6,167	WDW	23.30	110	89.5	230/460	6.7	25	1, 30, 42

(a) See notes on inside back flap.

(b) Brake torque rating in lb-ft.

## 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	Disc. Sym.	Ap'x. Shpg. Wgt.
3 ft-lb	56C	<b>CBK003-1</b>	813	SVC	12
6 ft-lb	56C	<b>CBK006-1</b>	1,197	SVC	12
6 ft-lb	145TC	<b>CBK006-2</b>	1,197	SVC	12
10 ft-lb	145TC	<b>CBK010-1</b>	1,397	SVC	12
15 ft-lb	145TC	<b>CBK015-1</b>	2,096	SVC	12

Definite purpose  
 Unit Handling  
 Brake  
 IEC Frame  
 50 Hertz  
 Variable Speed AC  
 DC  
 Accessories  
 Service  
 Grinders