

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)
Single phase, foot mounted												
1/4	1800	56	BL3516	1,548	BE1	14.36	27	59.5	115/230	2.1	3	2, 30, 41, 60
1/3	1800	56	BL3517	1,632	BE1	15.46	27	60	115/230	3	3	30, 41
1/2	1800	56	BL3518	1,770	BE1	16.08	32	68	115/230	3.7	3	30, 41
Single phase, footless												
1/3	1800	56C	KBL3406	1,714	BE1	15.45	27	60	115/230	3	3	30, 41
1/2	1800	56C	KBL3409	1,880	BE1	16.07	32	68	115/230	3.7	3	30, 41
3/4	1800	56C	VBL3507	2,442	BE1	16.82	40	72	115/230	4.2	6	30, 41
1	1800	56C	VBL3510	2,587	BE1	17.80	49	76.5	115/230	4.5	6	30, 41
		143TC	VBL3510T	2,587	BE1	17.86	49	76.5	115/230	4.5	6	30, 41
Foot mounted												
1/3	1800	56	BM3569	1,505	BE3	14.36	27	70	208-230/460	0.7	3	2, 38, 41, 60
1/2	1800	56	BM3538	1,635	BE3	14.98	31	75.5	208-230/460	0.9	3	2, 38, 41, 60
	1200	56	BM3539	2,253	BE3	16.45	35	72	230/460	1.2	6	30, 38, 41
3/4	1800	56	BM3542	1,913	BE3	16.45	31	75.5	208-230/460	1.5	6	38, 41
	1200	56	BM3543	2,365	BE3	17.45	39	77	208-230/460	1.5	6	38, 41
1	1800	56	EBM3546	2,594	BE3	16.80	44	85.5	230/460	1.5	6	30, 41
		143T	EBM3546T	2,646	BE3	17.86	46	85.5	230/460	1.5	6	30, 41
1 1/2	1800	145T	EBM3554T	2,979	BE3	17.86	52	86.5	230/460	2.2	10	30, 41
2	1800	145T	EBM3558T	3,127	BE3	17.86	57	86.5	230/460	2.9	10	30, 41
3	1800	182T	EBM3611T	3,944	BE3	21.12	89	89.5	230/460	4.2	15	30, 41
5	1800	184T	EBM3615T	4,782	BE3	22.65	106	89.5	230/460	6.7	25	30, 42
7 1/2	1800	213T	EBM3710T	6,307	BE3	27.20	158	91.7	230/460	9.4	35	30, 40
10	1800	215T	EBM3714T	7,927	BE3	29.19	165	91.7	230/460	12	50	30, 40
15	1800	254T	EBM2333T	11,214	BE3	33.07	337	92.4	230/460	18.1	75	30
20	1800	256T	EBM2334T	14,550	BE3	33.57	398	93	230/460	24	105	30
25	1800	284T	EBM4103T	18,380	BE3	39.66	516	93.6	230/460	30	105	30
30	1800	284T	EBM4104T	20,727	BE3	42.84	667	93.6	230/460	37	125	30
C-Face, foot mounted												
1	1800	143TC	CEBM3546T	2,587	BE3	17.86	43	85.5	230/460	1.7	6	41
1 1/2	1800	145TC	CEBM3554T	2,786	BE3	17.86	48	86.5	230/460	2.2	10	41
2	1800	145TC	CEBM3558T	2,865	BE3	17.86	52	86.5	230/460	2.9	10	41
3	1800	182TC	CEBM3611T	3,203	BE3	21.11	77	89.5	230/460	4.2	15	1, 41
5	1800	184TC	CEBM3615T	3,753	BE3	23.06	101	89.5	230/460	6.7	25	1, 42
7 1/2	1800	213TC	CEBM3710T	6,881	BE3	27.95	149	91.7	230/460	9.4	35	1, 40
10	1800	215TC	CEBM3714T	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)
Footless												
1/4	1800	56C	KBM3454	1,413	BE3	14.36	26	68	208-230/460	0.5	3	2, 38, 41, 60
1/3	1800	56C	KBM3458	1,502	BE3	14.36	23	70	208-230/460	0.7	3	2, 38, 41, 60
1/2	1800	56C	VEBNM3538	2,361	BE3	15.26	37	84	230/460	0.9	3	41, 60
		56C	VBM3538	1,673	BE3	14.98	30	75.5	208-230/460	0.9	3	2, 38, 41, 60
3/4	1800	56C	VEBNM3542	2,654	BE3	15.26	53	84	208-230/460	1.1	6	41, 60
		56C	VBM3542	1,960	BE3	15.86	35	75	208-230/460	1.3	6	2, 38, 41, 60
1	1800	56C	VEBM3546	2,256	BE3	16.80	45	85.5	230/460	1.5	6	1, 30, 41
		143TC	VEBM3546T	2,587	BE3	16.86	45	85.5	230/460	1.5	6	1, 30, 41
1 1/2	1800	56C	VEBM3554	2,709	BE3	17.80	53	86.5	230/460	2.2	6	1, 30, 41
		145TC	VEBM3554T	2,786	BE3	17.86	52	86.5	230/460	2.2	10	1, 30, 41
2	1800	56C	VEBM3558	2,789	BE3	17.80	56	86.5	230/460	2.9	6	1, 30, 41
		145TC	VEBM3558T	2,865	BE3	17.86	57	86.5	230/460	2.9	10	1, 30, 41
3	1800	182TC	VEBM3611T	3,203	BE3	21.11	82	89.5	230/460	4.2	15	1, 30, 41
5	1800	184TC	VEBM3615T	3,753	BE3	23.06	99	89.5	230/460	6.7	25	1, 30, 42
7 1/2	1800	213TC	VEBM3710T	6,881	BE3	27.89	172	91.7	230/460	9.4	35	1, 30, 40
10	1800	215TC	VEBM3714T	7,504	BE3	29.89	165	91.7	230/460	12	50	1, 30, 42
575 volts												
3/4	1800	56C	VBM3542-5	1,960	BE3	15.26	40	80	575	1.9	6	2, 41, 60
1	1800	143TC	VEBM3546T-5	2,587	BE3	16.86	44	85.5	575	1.2	6	1, 41
1 1/2	1800	143TC	VEBM3554T-5	2,786	BE3	17.87	52	86.5	575	1.8	10	1, 42
2	1800	145TC	VEBM3558T-5	2,865	BE3	17.87	57	86.5	575	2.3	10	1, 42
3	1800	182TC	VEBM3611T-5	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)	
Single phase													
3/4	1800	56Y	BL3507	2,396	BE1	16.71	42	72	115/230	4.2	6	30, 41	
1	1800	56Y	BL3510	2,536	BE1	17.11	52	68	115/230	6.4	6	30, 41	
Three phase													
1	1800	182Y	EBM3603Y	2,854	BE3	17.49	44	85.5	230/460	1.5	6	30, 41	
	1200	145TY	EBM3556TY	2,765	BE3	17.49	48	82.5	230/460	1.8	10	30, 41	
1 1/2	1800	56Y	EBM3554Y	2,722	BE3	17.11	48	86.5	230/460	2.2	10	30, 41	
		145TY	EBM3554TY	2,722	BE3	17.49	48	86.5	230/460	2.2	10	30, 41	
		184Y	EBM3606Y	3,035	BE3	17.49	48	86.5	230/460	2.2	10	30, 41	
2	1800	56Y	EBM3558Y	2,801	BE3	17.11	52	86.5	230/460	2.9	10	30, 41	
		145TY	EBM3558TY	2,801	BE3	17.49	52	86.5	230/460	2.9	10	30, 41	
		184Y	EBM3609Y	3,122	BE3	17.49	52	86.5	230/460	2.9	10	30, 41	
		1200	184TY	EBM3614TY	3,330	BE3	22.12	104	88.5	230/460	3.5	15	30, 41
3	1800	182TY	EBM3611TY	3,081	BE3	20.62	77	89.5	230/460	4.2	15	1, 30, 41	
		213Y	EBM3703Y	4,851	BE3	22.42	77	89.5	230/460	4.2	15	1, 30, 41	
		1200	213TY	EBM3704TY	6,685	BE3	27.01	154	89.5	230/460	4.6	35	1, 30, 40
		184TY	EBM3615TY	3,631	BE3	22.12	101	89.5	230/460	6.7	25	1, 30, 40	
5	1800	184TY	EBM3635TY	3,130	BE3	22.12	100	89.5	230/460	6.7	15	1, 30, 41	
		215Y	EBM3707Y	5,828	BE3	22.87	100	89.5	230/460	6.9	25	1, 30, 40	
7 1/2	1800	213TY	EBM3710TY	6,646	BE3	27.01	149	91.7	230/460	9.4	35	1, 30, 40	
		213TY	EBM3730TY	5,502	BE3	27.01	146	91.7	230/460	9.4	25	1, 30, 40	
10	1800	215TY	EBM3714TY	7,268	BE3	29.01	183	91.7	230/460	12	50	1, 30, 42	
		215TY	EBM3734TY	6,936	BE3	28.51	187	91.7	230/460	12	35	1, 30, 40	
15	1800	254TY	EBM2353TY	10,227	BE3	32.71	286	92.4	230/460	18.1	50	1, 30	
20	1800	256TY	EBM2334TY	14,550	BE3	23.28	263	93	230/460	24	105	1, 30	
		256TY	EBM2354TY	13,019	BE3	32.71	328	93	230/460	24	75	1, 30	
25	1800	284TY	EBM4103TY	18,380	BE3	35.83	448	93.6	230/460	30	105	1, 30	
30	1800	286TY	EBM4104TY	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)
Single phase												
3	1200	213TY	EBM3704TY-DI	7,188	BE3	27.20	140	89.5	230/460	4.6	35	1, 30, 40
		184T	EBM3615T-DI	5,141	BE3	23.21	125	89.5	230/460	6.7	25	30, 42
5	1800	184TY	EBM3615TY-DI	3,904	BE3	22.84	125	89.5	230/460	6.7	25	1, 30, 40
		215Y	EBM3707Y-DI	6,266	BE3	22.84	127	89.5	230/460	6.9	25	1, 30, 40
7 1/2	1800	213TY	EBM3710TY-DI	7,145	BE3	27.20	157	91.7	230/460	9.4	35	1, 30, 40
		213TY	EBM3730TY-DI	5,915	BE3	27.20	157	91.7	230/460	9.4	25	1, 30, 40
10	1800	215TY	EBM3734TY-DI	7,456	BE3	27.20	195	91.7	230/460	12	35	1, 30, 40
		215TY	EBM3714TY-DI	7,815	BE3	28.70	195	91.7	230/460	12	50	1, 30, 42
Totally enclosed fan cooled, C-Face, foot mounted												
5	1800	184TC	CEBM3615T-DI	3,753	BE3	23.20	123	89.5	230/460	6.7	25	1, 42
Totally enclosed fan cooled, C-Face, footless												
5	1800	184TC	VEBM3615T-DI	3,753	BE3	23.22	125	89.5	230/460	6.7	25	1, 30, 42
Open, foot mounted												
5	1800	184T	EBM3218T-DI	4,367	B03	21.84	122	89.5	230/460	6.4	25	30, 42
Open, C-Face, footless												
5	1800	184TC	VEBM3218T-DI	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)
Foot mounted												
1/2	1800	56	BM3108	1,495	B03	14.14	27	74	230/460	1	3	30, 38, 41
3/4	1800	56	BM3112	1,741	B03	14.77	31	75.5	208-230/460	1.5	6	38, 41
1	1800	56	BM3116	1,951	B03	15.64	33	78.5	208-230/460	1.7	3	38, 41
		143T	EBM3116T	2,274	B03	16.37	49	87.5	208-230/460	1.5	6	41
1 1/2	1800	145T	EBM3154T	2,524	B03	16.37	48	86.5	230/460	2.2	10	30, 41
2	1800	145T	EBM3157T	2,880	B03	16.37	51	86.5	230/460	2.9	10	30, 41
3	1800	182T	EBM3211T	3,534	B03	19.57	83	89.5	230/460	4.2	15	30, 41
		184T	EBM3218T	4,367	B03	21.52	104	89.5	230/460	6.4	25	30, 42
5	1800	184T	EBM3248T	3,753	B03	21.06	104	89.5	230/460	6.4	15	30, 41
		213T	EBM3311T	5,488	B03	24.45	149	91	230/460	9.7	35	30, 40
10	1800	215T	EBM3313T	6,883	B03	26.08	159	91.7	230/460	12.5	50	30, 42
15	1800	254T	EBM2513T	9,118	B03	29.88	252	93	230/460	17.7	75	30, 42
C-Face, footless												
1/2	1800	56C	VBM3108	1,576	B03	14.36	28	74	230/460	1	3	30, 38, 41
3/4	1800	56C	VBM3112	1,831	B03	15.36	31	75.5	208-230/460	1.5	6	38, 41
1	1800	56C	VBM3116	1,994	B03	15.36	33	78.5	208-230/460	1.7	6	38, 41
		143TC	VEBM3116T	2,541	B03	15.32	44	85.5	230/460	1.5	6	30, 41
1 1/2	1800	56C	VBM3154	2,317	B03	15.26	44	80	208-230/460	2.5	10	41
		145TC	VEBM3154T	2,654	B03	15.37	44	86.5	230/460	2.2	10	30, 41
2	1800	145TC	VEBM3157T	2,745	B03	16.37	50	86.5	230/460	2.9	10	30, 41
		182TC	VEBM3211T	3,148	B03	19.57	81	89.5	230/460	4.2	15	30, 41
3	1800	184TC	VEBM3218T	3,787	B03	21.52	100	89.5	230/460	6.6	25	30, 42
		184TC	VBM3218T	4,431	B03	20.02	84	87.5	208-230/460	7.2	25	16, 42
5	1800	184TC	VEBM3248T	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	CEWDBM3538	3,435	WDW	15.31	42	84	208-230/460	0.9	3	1, 12, 41
3/4	1800	56C	TENV	CEWDBM3542	3,712	WDW	15.31	42	84	230/460	1.1	6	1, 12, 30, 41
1	1800	56C	TENV	CEWDBM3546	3,810	WDW	16.31	50	85.5	230/460	1.5	6	1, 30, 41
		143TC	TENV	CEWDBM3546T	3,736	WDW	16.81	51	85.5	230/460	1.5	6	1, 30, 41
1 1/2	1800	145TC	TENV	CEWDBM3554T	4,146	WDW	18.14	61	86.5	230/460	2.1	10	30, 41
2	1800	145TC	TEFC	CEWDBM3558T	4,219	WDW	18.56	60	86.5	230/460	2.9	10	1, 30, 41
3	1800	182TC	TEFC	CEWDBM3611T	5,105	WDW	21.80	93	89.5	230/460	4.2	15	1, 30, 41
		184TC	TEFC	CEWDBM3615T	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	CBK003-1	813	SVC	12
6 ft-lb	56C	CBK006-1	1,197	SVC	12
6 ft-lb	145TC	CBK006-2	1,197	SVC	12
10 ft-lb	145TC	CBK010-1	1,397	SVC	12
15 ft-lb	145TC	CBK015-1	2,096	SVC	12

Definite purpose

Unit Handling

Brake

IEC Frame

50 Hertz

Variable Speed AC

DC

Accessories

Service

Grinders