

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	940	BE1	14.36	27	59.5	115/230	2.1	3	2, 30, 41, 60
1/3	1800	56	BL3517	991	BE1	15.46	27	60	115/230	3	3	30, 41
1/2	1800	56	BL3518	1,075	BE1	16.08	32	68	115/230	3.7	3	30, 41
Single phase, footless												
1/3	1800	56C	KBL3406	1,041	BE1	15.45	27	60	115/230	3	3	30, 41
1/2	1800	56C	KBL3409	1,142	BE1	16.07	32	68	115/230	3.7	3	30, 41
3/4	1800	56C	VBL3507	1,483	BE1	16.82	40	72	115/230	4.2	6	30, 41
1	1800	56C	VBL3510	1,571	BE1	17.80	49	76.5	115/230	4.5	6	30, 41
		143TC	VBL3510T	1,571	BE1	17.86	49	76.5	115/230	4.5	6	30, 41
Foot mounted												
1/3	1800	56	BM3569	914	BE3	14.36	27	70	208-230/460	0.7	3	2, 38, 41, 60
		56	BM3538	993	BE3	14.98	31	75.5	208-230/460	0.9	3	2, 38, 41, 60
1/2	1200	56	BM3539	1,368	BE3	16.45	35	72	230/460	1.2	6	30, 38, 41
		56	BM3542	1,162	BE3	16.45	31	75.5	208-230/460	1.5	6	38, 41
3/4	1200	56	BM3543	1,436	BE3	17.45	39	77	208-230/460	1.5	6	38, 41
		56	EBM3546	1,575	BE3	16.80	44	85.5	230/460	1.5	6	30, 41
1	1800	143T	EBM3546T	1,607	BE3	17.86	46	85.5	230/460	1.5	6	30, 41
		145T	EBM3554T	1,809	BE3	17.86	52	86.5	230/460	2.2	10	30, 41
2	1800	145T	EBM3558T	1,899	BE3	17.86	57	86.5	230/460	2.9	10	30, 41
3	1800	182T	EBM3611T	2,395	BE3	21.12	89	89.5	230/460	4.2	15	30, 41
5	1800	184T	EBM3615T	2,904	BE3	22.65	106	89.5	230/460	6.7	25	30, 42
7 1/2	1800	213T	EBM3710T	3,830	BE3	27.20	158	91.7	230/460	9.4	35	30, 40
10	1800	215T	EBM3714T	4,814	BE3	29.19	165	91.7	230/460	12	50	30, 40
15	1800	254T	EBM2333T	6,810	BE3	33.07	337	92.4	230/460	18.1	75	30
20	1800	256T	EBM2334T	8,836	BE3	33.57	398	93	230/460	24	105	30
25	1800	284T	EBM4103T	11,162	BE3	39.66	516	93.6	230/460	30	105	30
30	1800	284T	EBM4104T	12,587	BE3	42.84	667	93.6	230/460	37	125	30
C-Face, foot mounted												
1	1800	143TC	CEBM3546T	1,571	BE3	17.86	43	85.5	230/460	1.7	6	41
1 1/2	1800	145TC	CEBM3554T	1,692	BE3	17.86	48	86.5	230/460	2.2	10	41
2	1800	145TC	CEBM3558T	1,740	BE3	17.86	52	86.5	230/460	2.9	10	41
3	1800	182TC	CEBM3611T	1,945	BE3	21.11	77	89.5	230/460	4.2	15	1, 41
5	1800	184TC	CEBM3615T	2,279	BE3	23.06	101	89.5	230/460	6.7	25	1, 42
7 1/2	1800	213TC	CEBM3710T	4,179	BE3	27.95	149	91.7	230/460	9.4	35	1, 40
10	1800	215TC	CEBM3714T	4,557	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	858	BE3	14.36	26	68	208-230/460	0.5	3	2, 38, 41, 60
1/3	1800	56C	KBM3458	912	BE3	14.36	23	70	208-230/460	0.7	3	2, 38, 41, 60
1/2	1800	56C	VEBNM3538	1,434	BE3	15.26	37	84	230/460	0.9	3	41, 60
		56C	VBM3538	1,016	BE3	14.98	30	75.5	208-230/460	0.9	3	2, 38, 41, 60
3/4	1800	56C	VEBNM3542	1,612	BE3	15.26	53	84	208-230/460	1.1	6	41, 60
		56C	VBM3542	1,190	BE3	15.86	35	75	208-230/460	1.3	6	2, 38, 41, 60
1	1800	56C	VEBM3546	1,370	BE3	16.80	45	85.5	230/460	1.5	6	1, 30, 41
		143TC	VEBM3546T	1,571	BE3	16.86	45	85.5	230/460	1.5	6	1, 30, 41
1 1/2	1800	56C	VEBM3554	1,645	BE3	17.80	53	86.5	230/460	2.2	6	1, 30, 41
		145TC	VEBM3554T	1,692	BE3	17.86	52	86.5	230/460	2.2	10	1, 30, 41
2	1800	56C	VEBM3558	1,694	BE3	17.80	56	86.5	230/460	2.9	6	1, 30, 41
		145TC	VEBM3558T	1,740	BE3	17.86	57	86.5	230/460	2.9	10	1, 30, 41
3	1800	182TC	VEBM3611T	1,945	BE3	21.11	82	89.5	230/460	4.2	15	1, 30, 41
5	1800	184TC	VEBM3615T	2,279	BE3	23.06	99	89.5	230/460	6.7	25	1, 30, 42
7 1/2	1800	213TC	VEBM3710T	4,179	BE3	27.89	172	91.7	230/460	9.4	35	1, 30, 40
10	1800	215TC	VEBM3714T	4,557	BE3	29.89	165	91.7	230/460	12	50	1, 30, 42
575 volts												
3/4	1800	56C	VBM3542-5	1,190	BE3	15.26	40	80	575	1.9	6	2, 41, 60
1	1800	143TC	VEBM3546T-5	1,571	BE3	16.86	44	85.5	575	1.2	6	1, 41
1 1/2	1800	143TC	VEBM3554T-5	1,692	BE3	17.87	52	86.5	575	1.8	10	1, 42
2	1800	145TC	VEBM3558T-5	1,740	BE3	17.87	57	86.5	575	2.3	10	1, 42
3	1800	182TC	VEBM3611T-5	1,945	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	1,455	BE1	16.71	42	72	115/230	4.2	6	30, 41
1	1800	56Y	BL3510	1,540	BE1	17.11	52	68	115/230	6.4	6	30, 41
Three phase												
1	1800	182Y	EBM3603Y	1,733	BE3	17.49	44	85.5	230/460	1.5	6	30, 41
	1200	145TY	EBM3556TY	1,679	BE3	17.49	48	82.5	230/460	1.8	10	30, 41
1 1/2	1800	56Y	EBM3554Y	1,653	BE3	17.11	48	86.5	230/460	2.2	10	30, 41
		145TY	EBM3554TY	1,653	BE3	17.49	48	86.5	230/460	2.2	10	30, 41
	1800	184Y	EBM3606Y	1,843	BE3	17.49	48	86.5	230/460	2.2	10	30, 41
		56Y	EBM3558Y	1,701	BE3	17.11	52	86.5	230/460	2.9	10	30, 41
2	1800	145TY	EBM3558TY	1,701	BE3	17.49	52	86.5	230/460	2.9	10	30, 41
		184Y	EBM3609Y	1,896	BE3	17.49	52	86.5	230/460	2.9	10	30, 41
	1200	184TY	EBM3614TY	2,022	BE3	22.12	104	88.5	230/460	3.5	15	30, 41
		1800	182TY	EBM3611TY	1,871	BE3	20.62	77	89.5	230/460	4.2	15
3	1800	213Y	EBM3703Y	2,946	BE3	22.42	77	89.5	230/460	4.2	15	1, 30, 41
		1200	213TY	EBM3704TY	4,060	BE3	27.01	154	89.5	230/460	4.6	35
	1800	184TY	EBM3615TY	2,205	BE3	22.12	101	89.5	230/460	6.7	25	1, 30, 40
		215Y	EBM3707Y	3,539	BE3	22.87	100	89.5	230/460	6.9	25	1, 30, 40
5	1800	213TY	EBM3710TY	4,036	BE3	27.01	149	91.7	230/460	9.4	35	1, 30, 40
		213TY	EBM3730TY	3,341	BE3	27.01	146	91.7	230/460	9.4	25	1, 30, 40
7 1/2	1800	215TY	EBM3714TY	4,414	BE3	29.01	183	91.7	230/460	12	50	1, 30, 42
		215TY	EBM3734TY	4,212	BE3	28.51	187	91.7	230/460	12	35	1, 30, 40
10	1800	254TY	EBM2353TY	6,211	BE3	32.71	286	92.4	230/460	18.1	50	1, 30
15	1800	256TY	EBM2334TY	8,836	BE3	23.28	263	93	230/460	24	105	1, 30
		256TY	EBM2354TY	7,906	BE3	32.71	328	93	230/460	24	75	1, 30
20	1800	284TY	EBM4103TY	11,162	BE3	35.83	448	93.6	230/460	30	105	1, 30
25	1800	286TY	EBM4104TY	12,495	BE3	39.13	565	93.6	230/460	38	125	1, 30
30	1800	286TY	EBM4104TY	12,495	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 31.4.4.2s

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	4,365	BE3	27.20	140	89.5	230/460	4.6	35	1, 30, 40
		184T	EBM3615T-DI	3,122	BE3	23.21	125	89.5	230/460	6.7	25	30, 42
5	1800	184TY	EBM3615TY-DI	2,371	BE3	22.84	125	89.5	230/460	6.7	25	1, 30, 40
		215Y	EBM3707Y-DI	3,805	BE3	22.84	127	89.5	230/460	6.9	25	1, 30, 40
7 1/2	1800	213TY	EBM3710TY-DI	4,339	BE3	27.20	157	91.7	230/460	9.4	35	1, 30, 40
		213TY	EBM3730TY-DI	3,592	BE3	27.20	157	91.7	230/460	9.4	25	1, 30, 40
10	1800	215TY	EBM3734TY-DI	4,528	BE3	27.20	195	91.7	230/460	12	35	1, 30, 40
		215TY	EBM3714TY-DI	4,746	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	2,279	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	2,279	BE3	23.22	125	89.5	230/460	6.7	25	1, 30, 42
Open, foot mounted												
5	1800	184T	EBM3218T-DI	2,652	B03	21.84	122	89.5	230/460	6.4	25	30, 42
Open, C-Face, footless												
5	1800	184TC	VEBM3218T-DI	2,300	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	908	B03	14.14	27	74	230/460	1	3	30, 38, 41
3/4	1800	56	BM3112	1,057	B03	14.77	31	75.5	208-230/460	1.5	6	38, 41
1	1800	56	BM3116	1,185	B03	15.64	33	78.5	208-230/460	1.7	3	38, 41
		143T	EBM3116T	1,381	B03	16.37	49	87.5	208-230/460	1.5	6	41
1 1/2	1800	145T	EBM3154T	1,533	B03	16.37	48	86.5	230/460	2.2	10	30, 41
2	1800	145T	EBM3157T	1,749	B03	16.37	51	86.5	230/460	2.9	10	30, 41
3	1800	182T	EBM3211T	2,146	B03	19.57	83	89.5	230/460	4.2	15	30, 41
		184T	EBM3218T	2,652	B03	21.52	104	89.5	230/460	6.4	25	30, 42
5	1800	184T	EBM3248T	2,279	B03	21.06	104	89.5	230/460	6.4	15	30, 41
		184T	EBM3248T	2,279	B03	21.06	104	89.5	230/460	6.4	15	30, 41
7 1/2	1800	213T	EBM3311T	3,333	B03	24.45	149	91	230/460	9.7	35	30, 40
10	1800	215T	EBM3313T	4,180	B03	26.08	159	91.7	230/460	12.5	50	30, 42
15	1800	254T	EBM2513T	5,537	B03	29.88	252	93	230/460	17.7	75	30, 42
C-Face, footless												
1/2	1800	56C	VBM3108	957	B03	14.36	28	74	230/460	1	3	30, 38, 41
3/4	1800	56C	VBM3112	1,112	B03	15.36	31	75.5	208-230/460	1.5	6	38, 41
		56C	VBM3116	1,211	B03	15.36	33	78.5	208-230/460	1.7	6	38, 41
1	1800	143TC	VEBM3116T	1,543	B03	15.32	44	85.5	230/460	1.5	6	30, 41
		56C	VBM3154	1,407	B03	15.26	44	80	208-230/460	2.5	10	41
1 1/2	1800	145TC	VEBM3154T	1,612	B03	15.37	44	86.5	230/460	2.2	10	30, 41
		145TC	VEBM3157T	1,667	B03	16.37	50	86.5	230/460	2.9	10	30, 41
3	1800	182TC	VEBM3211T	1,912	B03	19.57	81	89.5	230/460	4.2	15	30, 41
		184TC	VEBM3218T	2,300	B03	21.52	100	89.5	230/460	6.6	25	30, 42
5	1800	184TC	VBM3218T	2,691	B03	20.02	84	87.5	208-230/460	7.2	25	16, 42
		184TC	VEBM3248T	1,997	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	2,086	WDW	15.31	42	84	208-230/460	0.9	3	1, 12, 41
3/4	1800	56C	TENV	CEWDBM3542	2,254	WDW	15.31	42	84	230/460	1.1	6	1, 12, 30, 41
1	1800	56C	TENV	CEWDBM3546	2,314	WDW	16.31	50	85.5	230/460	1.5	6	1, 30, 41
		143TC	TENV	CEWDBM3546T	2,338	WDW	16.81	51	85.5	230/460	1.5	6	1, 30, 41
1 1/2	1800	145TC	TENV	CEWDBM3554T	2,518	WDW	18.14	61	86.5	230/460	2.1	10	30, 41
2	1800	145TC	TEFC	CEWDBM3558T	2,562	WDW	18.56	60	86.5	230/460	2.9	10	1, 30, 41
3	1800	182TC	TEFC	CEWDBM3611T	3,100	WDW	21.80	93	89.5	230/460	4.2	15	1, 30, 41
5	1800	184TC	TEFC	CEWDBM3615T	3,745	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	670	SVC	12
6 ft-lb	56C	CBK006-1	986	SVC	12
6 ft-lb	145TC	CBK006-2	986	SVC	12
10 ft-lb	145TC	CBK010-1	1,150	SVC	12
15 ft-lb	145TC	CBK015-1	2,457	SVC	12

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