

BALDOR • RELIANCE

Single and Three Phase, TEFC

Brake Motors

1/4 thru 30 Hp



Features:

- Manual release
- Spring-set brake
- Vibration damping base
- Super-E® motors have NEMA Premium® efficiency
- Inverter ready Super-E motors

Applications:

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

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. 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	874	K	14.36	27	59.5	115/230	2.1	3	2, 30, 41, 60
1/3	1800	56	BL3517	921	K	15.46	27	60	115/230	3	3	30, 41
1/2	1800	56	BL3518	1,000	K	16.08	32	68	115/230	3.7	3	30, 41
Single Phase, Footless												
1/3	1800	56C	KBL3406	968	K	15.45	27	60	115/230	3	3	30, 41
1/2	1800	56C	KBL3409	1,062	K	16.07	32	68	115/230	3.7	3	30, 41
3/4	1800	56C	VBL3507	1,379	K	16.82	40	72	115/230	4.2	6	30, 41
1	1800	56C	VBL3510	1,461	K	17.80	49	76.5	115/230	4.5	6	30, 41
		143TC	VBL3510T	1,461	L1	17.86	49	76.5	115/230	4.5	6	30, 41
Foot Mounted												
1/4	1800	56	BM3568	865	K	14.36	26	68	208-230/460	0.5	3	2, 41, 60
1/3	1800	56	BM3569	914	K	14.36	27	70	208-230/460	0.7	3	2, 41, 60
1/2	1800	56	BM3538	943	K	14.98	31	75.5	208-230/460	0.9	3	2, 41, 60
	1200	56	BM3539	1,368	K	16.45	35	72	230/460	1.2	6	30, 41
3/4	1800	56	BM3542	1,162	K	16.45	31	75.5	208-230/460	1.5	6	41
	1200	56	BM3543	1,436	K	17.45	39	77	208-230/460	1.5	6	41
1	1800	56	EBM3546	1,575	K	16.80	44	85.5	230/460	1.5	6	30, 41
		143T	EBM3546T	1,607	L1	17.86	46	85.5	230/460	1.5	6	30, 41
1 1/2	1800	145T	EBM3554T	1,809	L1	17.86	52	86.5	230/460	2.2	10	30, 41
2	1800	145T	EBM3558T	1,849	L1	17.86	57	86.5	230/460	2.9	10	30, 41
3	1800	182T	EBM3611T	2,395	L1	21.12	89	89.5	230/460	4.2	15	30, 41
5	1800	184T	EBM3615T	2,904	L1	22.65	106	89.5	230/460	6.7	25	30, 42
7 1/2	1800	213T	EBM3710T	4,036	L1	27.20	158	91.7	230/460	9.4	35	30, 40
10	1800	215T	EBM3714T	4,814	L1	29.19	165	91.7	230/460	12	50	30, 40
15	1800	254T	EBM2333T	6,810	L1	33.07	337	92.4	230/460	18.1	75	30
20	1800	256T	EBM2334T	8,836	L1	33.57	398	93	230/460	24	105	30
25	1800	284T	EBM4103T	11,162	L1	39.66	516	93.6	230/460	30	105	30
30	1800	284T	EBM4104T	12,587	L1	42.84	667	93.6	230/460	37	125	30
C-Face, Foot Mounted												
1	1800	143TC	CEBM3546T	1,571	L1	17.86	43	85.5	230/460	1.7	6	41
1 1/2	1800	145TC	CEBM3554T	1,692	L1	17.86	48	86.5	230/460	2.2	10	41
2	1800	145TC	CEBM3558T	1,740	L1	17.86	52	86.5	230/460	2.9	10	41
3	1800	182TC	CEBM3611T	1,945	L1	21.11	77	89.5	230/460	4.2	15	1, 41
5	1800	184TC	CEBM3615T	2,279	L1	23.06	101	89.5	230/460	6.7	25	1, 42
7 1/2	1800	213TC	CEBM3710T	4,179	L1	27.95	149	91.7	230/460	9.4	35	1, 40
10	1800	215TC	CEBM3714T	4,557	L1	29.95	183	91.7	230/460	12	50	1, 42
Footless												
1/4	1800	56C	KBM3454	858	K	14.36	26	68	208-230/460	0.5	3	2, 41, 60
1/3	1800	56C	KBM3458	912	K	14.36	23	70	208-230/460	0.7	3	2, 41, 60
1/2	1800	56C	VEBNM3538	1,434	K	15.26	37	84	230/460	0.9	3	41, 60
		56C	VBM3538	1,016	K	14.98	30	75.5	208-230/460	0.9	3	2, 41, 60
3/4	1800	56C	VEBNM3542	1,612	K	15.26	53	84	208-230/460	1.1	6	41, 60
		56C	VBM3542	1,190	K	15.86	35	75	208-230/460	1.3	6	2, 41, 60

(a) See notes on inside back flap.

(b) Brake torque rating in lb-ft.

Red Catalog Number indicates **NEW** Product.

■ Cast Iron Frame

Single and Three Phase, TEFC

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating (b)	Notes (a)
1	1800	56C	VEBM3546	1,370	K	16.80	45	85.5	230/460	1.5	6	1, 30, 41
		143TC	VEBM3546T	1,571	L1	16.86	45	85.5	230/460	1.5	6	1, 30, 41
1 1/2	1800	56C	VEBM3554	1,645	K	17.80	53	86.5	230/460	2.2	6	1, 30, 41
		145TC	VEBM3554T	1,692	L1	17.86	52	86.5	230/460	2.2	10	1, 30, 41
2	1800	56C	VEBM3558	1,694	K	17.80	56	86.5	230/460	2.9	6	1, 30, 41
		145TC	VEBM3558T	1,740	L1	17.86	57	86.5	230/460	2.9	10	1, 30, 41
3	1800	182TC	VEBM3611T	1,945	L1	21.11	82	89.5	230/460	4.2	15	1, 30, 41
		182TC	VBM3611T	2,204	L1	19.74	67	85.5	208-230/460	4.5	15	1, 16, 41
5	1800	184TC	VEBM3615T	2,279	L1	23.06	99	89.5	230/460	6.7	25	1, 30, 42
7 1/2	1800	213TC	VEBM3710T	4,179	L1	27.89	172	91.7	230/460	9.4	35	1, 30, 40
10	1800	215TC	VEBM3714T	4,557	L1	29.89	165	91.7	230/460	12	50	1, 30, 42
575 Volts												
3/4	1800	56C	VBM3542-5	1,190	K	15.26	40	80	575	1.9	6	2, 41, 60
1	1800	143TC	VEBM3546T-5	1,571	L1	16.86	44	85.5	575	1.2	6	1, 41

(a) See notes on inside back flap.
 (b) Brake torque rating in lb-ft.
 Red Catalog Number indicates **NEW** Product.
 ■ Cast Iron Frame

Definite Purpose Motors

Unit Handling Motors

Brake Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Gearmotors and Gear Products

Motor Accessories

Grinders

**Single and Three Phase, TEFC, C-Face,
Fan on Drive End**

3/4 thru 30 Hp



Features:

- Manual release
- Spring-set brake
- Fan on DE
- Easily accessible brake leads
- Vibration damping base
- Super-E® motors have NEMA Premium® efficiency
- Inverter ready Super-E motors

Applications:

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

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. 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	1,353	K	16.71	42	72	115/230	4.2	6	30, 41
1	1800	56Y	BL3510	1,432	K	17.11	52	68	115/230	6.4	6	30, 41
Three Phase												
1	1800	182Y	EBM3603Y	1,733	L1	17.49	44	85.5	230/460	1.5	6	30, 41
	1200	145TY	EBM3556TY	1,679	L1	17.49	48	82.5	230/460	1.8	10	30, 41
1 1/2	1800	56Y	EBM3554Y	1,653	K	17.11	48	86.5	230/460	2.2	10	30, 41
		145TY	EBM3554TY	1,653	L1	17.49	48	86.5	230/460	2.2	10	30, 41
		184Y	EBM3606Y	1,843	L1	17.49	48	86.5	230/460	2.2	10	30, 41
2	1800	56Y	EBM3558Y	1,701	K	17.11	52	86.5	230/460	2.9	10	30, 41
		145TY	EBM3558TY	1,701	L1	17.49	52	86.5	230/460	2.9	10	30, 41
		184Y	EBM3609Y	1,896	L1	17.49	52	86.5	230/460	2.9	10	30, 41
3	1800	184TY	EBM3614TY	2,022	L1	22.12	104	88.5	230/460	3.5	15	30, 41
		182TY	EBM3611TY	1,871	L1	20.62	77	89.5	230/460	4.2	15	1, 30, 41
		213Y	EBM3703Y	2,946	L1	22.42	77	89.5	230/460	4.2	15	1, 30, 41
5	1800	213TY	EBM3704TY	4,060	L1	27.01	154	89.5	230/460	4.6	35	1, 30, 40
		184TY	EBM3615TY	2,205	L1	22.12	101	89.5	230/460	6.7	25	1, 30, 40
		184TY	EBM3635TY	1,901	L1	22.12	100	89.5	230/460	6.7	15	1, 30, 41
7 1/2	1800	215Y	EBM3707Y	3,539	L1	22.87	100	89.5	230/460	6.9	25	1, 30, 40
		213TY	EBM3710TY	4,036	L1	27.01	149	91.7	230/460	9.4	35	1, 30, 40
		213TY	EBM3730TY	3,341	L1	27.01	146	91.7	230/460	9.4	25	1, 30, 40
10	1800	215TY	EBM3714TY	4,414	L1	29.01	183	91.7	230/460	12	50	1, 30, 42
		215TY	EBM3734TY	4,212	L1	28.51	187	91.7	230/460	12	35	1, 30, 40
15	1800	254TY	EBM2353TY	6,211	L1	32.71	286	92.4	230/460	18.1	50	1, 30
20	1800	256TY	EBM2334TY	8,836	L1	23.28	263	93	230/460	24	105	1, 30
		256TY	EBM2354TY	7,906	L1	32.71	328	93	230/460	24	75	1, 30
25	1800	284TY	EBM4103TY	11,162	L1	35.83	448	93.6	230/460	30	105	1, 30
30	1800	286TY	EBM4104TY	12,495	L1	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. Enclosed brake motors have non-standard “BA” dimension.

Red Catalog Number indicates **NEW** Product.

■ Cast Iron Frame

Three Phase, ODP

1/2 thru 15 Hp



Features:

- Manual release
- Spring-set brake
- Vibration damping base
- Dynamically balanced rotor
- Super-E® motors have NEMA Premium® Efficiency
- Inverter ready Super-E motors

Applications:

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

Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. 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	K	14.14	27	74	230/460	1	3	30, 41
3/4	1800	56	BM3112	1,057	K	14.77	31	75.5	208-230/460	1.5	6	41
1	1800	56	BM3116	1,185	K	15.64	33	78.5	208-230/460	1.7	3	41
		143T	EBM3116T	1,381	L1	16.37	49	87.5	208-230/460	1.5	6	41
1 1/2	1800	145T	EBM3154T	1,533	L1	16.37	48	86.5	230/460	2.2	10	30, 41
2	1800	145T	EBM3157T	1,749	L1	16.37	51	86.5	230/460	2.9	10	30, 41
3	1800	182T	EBM3211T	2,146	L1	19.57	83	89.5	230/460	4.2	15	30, 41
		184T	EBM3218T	2,652	L1	21.52	104	89.5	230/460	6.4	25	30, 42
		184T	EBM3248T	2,279	L1	21.06	104	89.5	230/460	6.4	15	30, 41
7 1/2	1800	213T	EBM3311T	3,333	L1	24.45	149	91	230/460	9.7	35	30, 40
10	1800	215T	EBM3313T	4,180	L1	26.08	159	91.7	230/460	12.5	50	30, 42
15	1800	254T	EBM2513T	5,537	L1	29.88	252	93	230/460	17.7	75	30, 42
C-Face, Footless												
1/2	1800	56C	VBM3108	957	K	14.36	28	74	230/460	1	3	30, 41
3/4	1800	56C	VBM3112	1,112	K	15.36	31	75.5	208-230/460	1.5	6	41
1	1800	56C	VBM3116	1,211	K	15.36	33	78.5	208-230/460	1.7	6	41
		143TC	VEBM3116T	1,543	L1	15.32	44	85.5	230/460	1.5	6	30, 41
1 1/2	1800	56C	VBM3154	1,407	K	15.26	44	80	208-230/460	2.5	10	41
		145TC	VEBM3154T	1,612	L1	15.37	44	86.5	230/460	2.2	10	30, 41
2	1800	145TC	VEBM3157T	1,667	L1	16.37	50	86.5	230/460	2.9	10	30, 41
3	1800	182TC	VEBM3211T	1,912	L1	19.57	81	89.5	230/460	4.2	15	30, 41
		184TC	VEBM3218T	2,300	L1	21.52	100	89.5	230/460	6.6	25	30, 42
		184TC	VEBM3218T	2,691	L1	20.02	84	87.5	208-230/460	7.2	25	16, 42
5	1800	184TC	VEBM3248T	1,997	L1	21.07	99	89.5	230/460	6.6	15	30, 41
		184TC	VBM3248T	2,263	L1	19.57	83	87.5	208-230/460	7.2	15	16, 41

(a) See notes on inside back flap.

(b) Brake torque rating in lb-ft.

Red Catalog Number indicates **NEW** Product.

Definite Purpose Motors

Unit Handling Motors

Brake Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Gearmotors and Gear Products

Motor Accessories

Grinders

Washdown, Three Phase, Totally Enclosed, C-Face, Foot Mounted

1/2 thru 5 Hp

IP55

Definite Purpose Motors

Unit Handling Motors

Brake Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Gearmotors and Gear Products

Motor Accessories

Grinders



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
- Electrostatically applied epoxy 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	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Brake Rating ^(b)	Notes ^(a)
1/2	1800	56C	TENV	CEWDBM3538	2,025	WD	15.31	42	84	208-230/460	0.9	3	12, 41
3/4	1800	56C	TENV	CEWDBM3542	2,188	WD	15.31	42	84	230/460	1.1	6	12, 30, 41
1	1800	56C	TENV	CEWDBM3546	2,246	WD	16.31	50	85.5	230/460	1.5	6	30, 41
		143TC	TENV	CEWDBM3546T	2,269	WD	16.81	51	85.5	230/460	1.5	6	30, 41
1 1/2	1800	145TC	TENV	CEWDBM3554T	2,444	WD	18.14	61	86.5	230/460	2.1	10	30, 41
2	1800	145TC	TEFC	CEWDBM3558T	2,487	WD	18.56	60	86.5	230/460	2.9	10	30, 41
3	1800	182TC	TEFC	CEWDBM3611T	3,009	WD	21.80	93	89.5	230/460	4.2	15	30, 41
5	1800	184TC	TEFC	CEWDBM3615T	3,635	WD	23.30	110	89.5	230/460	6.7	25	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	Mult. Sym.	Ap'x. Shpg. Wgt.
3 ft-lb	56C	CBK003-1	670	A8	12
6 ft-lb	56C	CBK006-1	986	A8	12
6 ft-lb	145TC	CBK006-2	986	A8	12
10 ft-lb	145TC	CBK010-1	1,150	A8	12
15 ft-lb	145TC	CBK015-1	2,457	A8	12