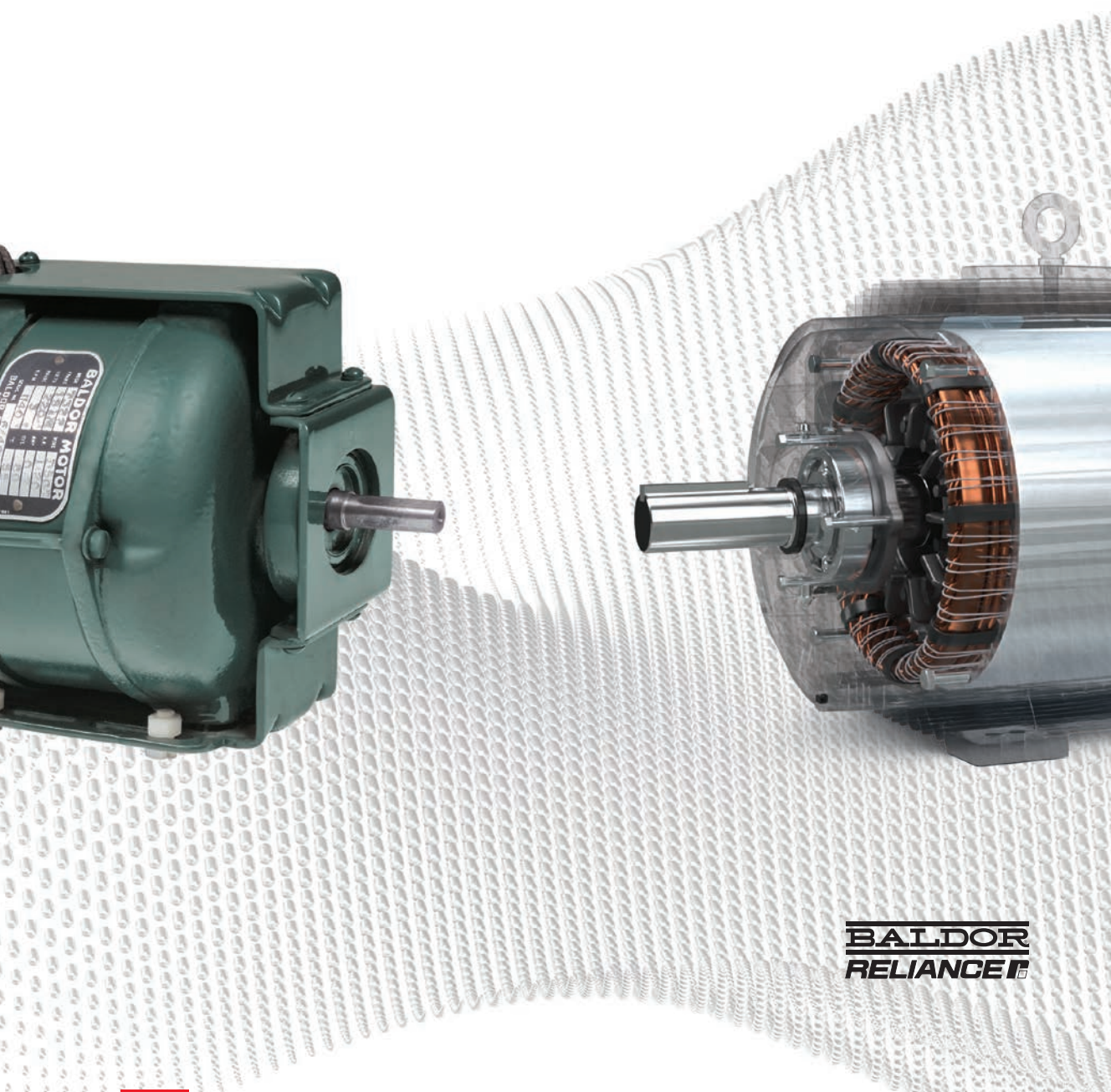




2020 Baldor-Reliance® 501 standard motor catalog

2020 Baldor-Reliance® 501

Building a better motor
for more than 100 years

Effective 10/20

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Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty

Abbreviations

Motors Prefix (continued)

VP	PM SCR drive motor with metric flange or C-Face
VPCP	Vertical pump motor, severe duty – high thrust
VXL	General Purpose explosion proof, single phase, C-Face footless
VXM	General Purpose explosion proof, three phase, C-Face footless
WC	West coast fit TCZ
WD	Washdown duty motor
WDBM	Washdown brake motor, three phase
XL	General purpose explosion proof, single phase
XM	General purpose explosion proof, three phase
YPC	Yoke pedestal fan motor, permanent split capacitor
ZDBRPM	RPMAC Vector Duty® motor – laminated frame, TEBC
ZDFRPM	RPMAC Vector Duty® motor – laminated frame, TEFC
ZDM	Vector Duty® motor, TEBC
ZDNM	Vector Duty® motor, TENV
ZDNRPM	RPMAC Vector Duty® motor - laminated frame, TENV
ZDPM	RPMAC permanent magnet rotor - laminated frame
ZDVSCP	VS Master severe duty Vector Duty® motor
ZDVSM	VS Master Vector Duty® motor
ZDVSNCP	VS Master severe duty Vector Duty® motor, TENV
ZDVSNM	VS Master Vector Duty® motor, TENV
ZDWNM	Washdown Vector Duty® motor, TENV
ZDVSNM	VS Master Vector Duty® motor, TENV
ZDWNM	Washdown Vector Duty® motor, TENV

Kits & Accessories Prefix

BLW	Blower kit
BU	Bushing kit
CBL	Cable assembly
CC	Corrective capacitor bank
EN	Encoder kit
FCD	Drip cover kit
FFC	Fan cover/conduit box Kit
FL	Flange kit
RBT	Roller bearing conversion kit
RES	Resolver feedback kit
TK	Tachometer mounting kit

Motors Suffix

/35	Full 140 frame band diameter
/36	Full 180 frame band diameter
-2	120/240V field
-2/4	200/400 volt winding
-4	460 volt winding
-5	575 volt winding
-8	200 volt winding
-9	NEMA Design C high torque winding
-12	12 leads
-50	Wound for 50 hertz service
-57	230/380-415 volt winding
-58	380-415 Volt Y-start/delta-run
-277	277 volt winding
-2340	2300/4000 volt winding

Motors Suffix (continued)

-AP	Aluminum process performance
-PP	Cast iron process performance
-BG	Baldor-Reliance® shaft ground motor
-BV	Blower vented
-CI	Cast iron frame
-D	Dodge D-series brake
-DI	Dings Brake
-E	Encapsulated windings
-EX1	Ex nA
-EX2	Ex d
-EX3	Ex de
-G	Aegis shaft ground motor
-H	56H mounting
-I	Explosion-proof, 1.15 service factor
-NL	Non linear - for VFD use
-P	Partial AC motor excludes pulley endplate
-S	Dodge short-series brake
-TP	Refrigerator fan motor
A	Automatic thermal overload
C	IEC frame B14 face mount
D	IEC frame B5 flange mount
E	New electrical design
L	Long shafted motor with ball bearings that may be converted to have D.E. roller bearing.
LR	Long shafted motor with D.E. roller bearing that may be converted to ball bearings.
M	Manual thermal overload
P	Wound field DC motor NEMA “AT” frame
S	Motor has a short shaft for coupled loads
T	NEMA “T” frame dimensions
TP	Feather picker motor
TR	NEMA “T” frame - roller bearing
TS	NEMA “T” frame - short shaft
Y	Special mounting dimension

Grinders Suffix

D	Deluxe
E	Exhaust guards
W	Wide design

Close-coupled pump, three phase, foot mounted, with internal Aegis® Bearing Protection Ring

1 thru 50 hp



TEFC
IP44

ODP
IP23



Features:

- Internal grounding brush for bearing current mitigation on DE retainer ring
- Class H insulation for increased protection on Inverter use
- Oversize ball bearings for the pump industry
- Locked DE bearing to allow mounting in any configuration
- Designed for longevity with a 3 year warranty on premium efficient Super-E® motors
- Suitable for Inverter use per NEMA MG1 Part 31.4.4.2

Applications:

- Commercial pumps
- Pairing with a speed drive
- General purpose pumps
- Industrial pumps
- Food and beverage
- Agricultural

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
Totally enclosed fan cooled											
1	1800	143JM	EJMM3546T-G	922	PC3	15.41	37	85.5	230/460	1.5	30
1 1/2	3600	143JM	EJMM3550T-G	917	PC3	15.41	38	86.5	230/460	1.9	30
	1800	143JM	EJMM3554T-G	1,066	PC3	15.41	41	84	230/460	2.2	30
2	3600	145JM	EJMM3555T-G	1,041	PC3	15.41	41	85.5	230/460	2.5	30
	1800	145JM	EJMM3558T-G	1,113	PC3	15.41	45	86.5	230/460	2.9	30
3	3600	182JM	EJMM3610T-G	1,157	PC3	16.91	60	86.5	230/460	3.6	30
	1800	182JM	EJMM3611T-G	1,252	PC3	18.06	76	89.5	230/460	4.2	30
5	3600	184JM	EJMM3613T-G	1,333	PC3	18.06	81	88.5	230/460	5.9	30
	1800	184JM	EJMM3615T-G	1,255	PC3	19.56	93	89.5	230/460	6.7	30
7 1/2	3600	213JM	EJMM3709T-G	1,735	PC3	19.76	124	89.5	230/460	9	30
	1800	213JM	EJMM3710T-G	1,854	PC3	20.89	134	91.7	230/460	9.4	30
10	3600	215JM	EJMM3711T-G	1,953	PC3	19.76	124	90.2	230/460	11.8	30
	1800	215JM	EJMM3714T-G	2,133	PC3	22.38	165	91.7	230/460	12	30
15	3600	254JM	EJMM2394T-G	3,384	PC3	25.30	260	91	230/460	17.5	30
	1800	254JM	EJMM2333T-G	3,357	PC3	25.30	265	92.4	230/460	18.1	30
20	3600	256JM	EJMM4106T-G	3,697	PC3	25.30	274	91	230/460	23	30
	1800	256JM	EJMM2334T-G	3,750	PC3	25.30	308	93	230/460	24	30
25	3600	284JM	EJMM4107T-G	4,349	PC3	26.96	265	91.7	230/460	29	30
	1800	284JM	EJMM4103T-G	4,207	PC3	26.96	437	93.6	230/460	31	30
30	3600	286JM	EJMM4108T-G	6,046	PC3	26.96	299	91.7	230/460	34	30
	1800	286JM	EJMM4104T-G	5,691	PC3	28.64	437	93.6	230/460	38	30
40	3600	324JM	EJMM4109T-G	6,411	PC3	30.64	470	92.4	230/460	45	30
	1800	324JM	EJMM4110T-G	6,977	PC3	30.64	578	94.1	230/460	48	30
50	3600	326JM	EJMM4114T-G	7,733	PC3	30.65	575	93	230/460	56	30
	1800	326JM	EJMM4115T-G	7,837	PC3	30.65	700	94.5	230/460	58	30

(a) See notes on inside back flap.

Cast iron frame

Red catalog number indicates **NEW** product.

Close-coupled pump, three phase, foot mounted, with internal Aegis® Bearing Protection Ring

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
Open drip proof											
1	1800	143JM	EJMM3116T-G	873	PC3	13.75	37	85.5	230/460	1.5	30
1 1/2	1800	145JM	EJMM3154T-G	931	PC3	13.75	41	86.5	230/460	2.2	30
2	1800	145JM	EJMM3157T-G	1,003	PC3	14.25	44	86.5	230/460	2.9	30
3	3600	145JM	EJMM3158T-G	1,116	PC3	15.13	51	85.5	230/460	3.8	30
	1800	182JM	EJMM3211T-G	1,134	PC3	16.50	74	89.5	230/460	4.2	30
5	3600	182JM	EJMM3212T-G	1,340	PC3	15.12	64	86.5	230/460	6	30
	1800	184JM	EJMM3218T-G	1,255	PC3	18.00	88	89.5	230/460	6.6	30
7 1/2	3600	184JM	EJMM3219T-G	1,546	PC3	16.50	78	88.5	230/460	8.6	30
	1800	213JM	EJMM3311T-G	1,831	PC3	18.19	120	91	230/460	9.7	30
10	3600	213JM	EJMM3312T-G	1,984	PC3	18.19	121	89.5	230/460	12	30
	1800	215JM	EJMM3313T-G	1,959	PC3	19.31	132	91.7	230/460	12.5	30
15	3600	215JM	EJMM3314T-G	2,479	PC3	18.19	134	90.2	230/460	17.5	30
	1800	254JM	EJMM2513T-G	2,804	PC3	23.19	213	93	230/460	17.7	30
20	3600	254JM	EJMM2514T-G	3,045	PC3	23.19	185	91	230/460	23.5	30
	1800	256JM	EJMM2515T-G	3,260	PC3	24.69	255	93	230/460	24	30
25	3600	256JM	EJMM2516T-G	3,850	PC3	23.19	233	91.7	230/460	28	30
	1800	284JM	EJMM2531T-G	3,958	PC3	25.94	377	93.6	230/460	30	30
30	3600	284JM	EJMM2534T-G	4,512	PC3	24.69	320	91.7	230/460	35	30
	1800	286JM	EJMM2535T-G	4,570	PC3	26.94	378	94.1	230/460	36	30
40	3600	286JM	EJMM2538T-G	5,493	PC3	24.69	330	92.4	230/460	46	30
	1800	324JM	EJMM2539T-G	5,820	PC3	27.44	378	94.1	230/460	49	30
50	3600	324JM	EJMM2542T-G	6,080	PC3	27.44	375	93	230/460	56	30
	1800	326JM	EJMM2543T-G	6,287	PC3	27.94	497	94.5	230/460	57	30

(a) See notes on inside back flap.

Red catalog number indicates **NEW** product.

NEW!

Super-E®, three phase, TEFC, C-Face, foot mounted, with internal AEGIS Bearing Protection Ring

1 thru 100 Hp

**IP44*****Features:**

- Class H insulation for increased protection on inverter use
- Internal grounding ring for bearing current mitigation
- Designed for longevity with 3 year warranty
- Suitable for inverter use per NEMA MG1 Part 31.4.4.2

Applications:

- Fans
- Pumps
- Blowers
- Unit handling
- HVAC systems
- Variable speed applications
- 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	Notes (a)
230/460 volt											
1	3600	56C	CEM3545-G	907	HV3	12.23	32	77	230/460	1.4	8, 12, 30
	1800	143TC	CEM3546T-G	1,039	HV3	13.29	30	85.5	230/460	1.5	8, 30
	1200	145TC	CEM3556T-G	1,163	HV3	13.29	43	82.5	230/460	1.8	8, 30
1 1/2	3600	143TC	CEM3550T-G	1,025	HV3	13.29	36	84	230/460	1.9	8, 30
	1800	145TC	CEM3554T-G	1,133	HV3	13.29	42	86.5	230/460	2.2	8, 30
	1200	182TC	CEM3607T-G	1,374	HV3	16.54	76	87.5	230/460	2.4	8, 30
2	3600	145TC	CEM3555T-G	1,105	HV3	13.29	46	85.5	230/460	2.5	8, 30
	1800	145TC	CEM3558T-G	1,188	HV3	14.17	42	86.5	230/460	2.9	8, 30
	1200	184TC	CEM3614T-G	1,429	HV3	18.05	94	88.5	230/460	3.5	8, 30
3	3600	145TC	CEM3559T-G	1,383	HV3	14.17	53	86.5	230/460	3.6	8, 30
	1800	182TC	CEM3610T-G	1,470	HV3	15.16	50	86.5	230/460	3.6	8, 30
	1200	182TC	CEM3611T-G	1,260	HV3	16.55	74	89.5	230/460	4.2	8, 30
5	1200	213TC	CEM3704T-G	1,866	HV3	19.76	135	89.5	230/460	4.6	8, 30
	3600	184TC	CEM3613T-G	1,361	HV3	16.55	76	88.5	230/460	5.9	8, 30
	1800	184TC	CEM3615T-G	1,293	HV3	18.05	92	89.5	230/460	6.7	8, 30
7 1/2	1200	215TC	CEM3708T-G	2,067	HV3	19.20	154	89.5	230/460	7.3	8, 30
	3600	213TC	CEM3709T-G	1,999	HV3	18.63	133	89.5	230/460	9	8, 30
	1800	213TC	CEM3710T-G	1,839	HV3	19.76	129	91.7	230/460	9.4	8, 30
10	1200	254TC	CEM2276T-G	3,730	HV3	23.30	281	91	230/460	11	8, 30
	3600	215TC	CEM3711T-G	2,022	HV3	18.63	118	90.2	230/460	11.8	8, 30
	1800	215TC	CEM3714T-G	2,036	HV3	21.26	156	91.7	230/460	12	8, 30
15	1200	256TC	CEM2332T-G	4,143	HV3	23.30	322	91	230/460	14.1	8, 30
	3600	254TC	CEM2394T-G	3,696	HV3	23.78	239	91	230/460	17.5	8, 30
	1800	254TC	CEM2333T-G	3,450	HV3	23.78	270	92.4	230/460	18.1	8, 30
20	1200	284TC	CEM4100T-G	5,508	HV3	27.76	369	91.7	230/460	21	8, 30
	3600	256TC	CEM4106T-G	3,979	HV3	23.78	261	91	230/460	23	8, 30
	1800	256TC	CEM2334T-G	4,014	HV3	23.78	295	93	230/460	24	8, 30
25	1200	286TC	CEM4102T-G	6,987	HV3	27.76	393	91.7	230/460	27	8, 30
	3600	284TSC	CEM4107T-G	5,197	HV3	26.39	323	91.7	230/460	29	8, 30
	1800	284TC	CEM4103T-G	5,252	HV3	27.76	400	93.6	230/460	30	8, 30
	1200	324TC	CEM4111T-G	7,908	HV3	30.39	507	93	230/460	32	8, 30

(a) See notes on inside back flap.

■ Cast iron frame

*IP54 when drain fitting kit #HA5027A03 is installed in the weep holes (48 thru 256T frame motors only)

Red catalog number indicates **NEW** product.**NEW!**For more information visit baldor.com or new.abb.com/motors-generators

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty

NEW!

Super-E®, three phase, TEFC, C-Face, foot mounted, with internal AEGIS® Bearing Protection Ring

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
230/460 volt (continued)											
30	3600	286TSC	CEM4108T-G	5,978	HV3	26.39	336	91.7	230/460	34	8, 30
	1800	286TC	CEM4104T-G	6,035	HV3	27.76	410	93.6	230/460	38	8, 30
	1200	326TC	CEM4117T-G	8,952	HV3	30.28	604	93	230/460	39	8, 30
40	3600	324TSC	CEM4109T-G	7,945	HV3	28.78	532	92.4	230/460	46	8, 30
	1800	324TC	CEM4110T-G	7,710	HV3	30.28	596	94.1	230/460	48	8, 30
50	3600	326TSC	CEM4114T-G	8,597	HV3	28.78	584	93	230/460	56	8, 30
	1800	326TC	CEM4115T-G	8,315	HV3	30.28	648	94.5	230/460	58	8, 30
60	3600	364TSC	CEM4310T-G	11,717	HV3	31.36	900	95	230/460	66.3	8, 30
	1800	364TC	CEM4314T-G	11,586	HV3	33.48	907	95	230/460	68	8, 30
75	3600	365TSC	CEM4313T-G	13,413	HV3	31.36	966	94.5	230/460	81.9	8, 30
	1800	365TC	CEM4316T-G	13,323	HV3	33.48	956	95.4	230/460	85.9	8, 30
100	1800	405TC	CEM4400T-G	18,144	HV3	38.20	1214	95.4	230/460	112	8, 30

(a) See notes on inside back flap.:
Cast iron frame
*IP54 when drain fitting kit #HA5027A03 is installed in the weep holes (48 thru 256T frame motors only)
Red catalog number indicates NEW product.

NEW!

Super-E®, three phase, TEFC, foot mounted, with internal AEGIS Bearing Protection Ring

1 thru 100 Hp



IP44*



Features:

- Class H insulation for increased protection on inverter use
- Internal grounding ring for bearing current mitigation on DE retainer ring
- Designed for longevity with 3 year warranty
- Suitable for inverter use per NEMA MG1 Part 31.4.4.2

Applications:

- Fans
- Pumps
- Blowers
- Unit handling
- HVAC systems
- Variable speed applications
- 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	Notes (a)
230/460 volt											
1	3600	56	EM3545-G	796	HV3	12.23	32	77	230/460	1.4	8,12, 30
	1800	143T	EM3546T-G	872	HV3	12.31	30	85.5	230/460	1.5	8,30
	1800	143T	EM3581T-G	1,065	HV3	12.54	55	85.5	230/460	1.5	8,30
	1200	145T	EM3556T-G	1,012	HV3	13.31	43	82.5	230/460	1.8	8,30
	1200	145T	EM3582T-G	1,175	HV3	12.54	56	82.5	230/460	1.7	8,30
1 1/2	3600	143T	EM3550T-G	892	HV3	12.29	36	84	230/460	1.9	8,30
	3600	143T	EM3583T-G	1,118	HV3	12.54	56	84	230/460	1.9	8,30
	1800	145T	EM3554T-G	900	HV3	13.31	42	86.5	230/460	2.2	8,30
	1800	145T	EM3584T-G	1,099	HV3	12.54	61	86.5	230/460	2.3	8,30
	1200	182T	EM3607T-G	1,186	HV3	16.54	76	87.5	230/460	2.4	8,30
2	1200	182T	EM3667T-G	1,381	HV3	15.24	99	87.5	230/460	2.5	8
	3600	145T	EM3555T-G	961	HV3	13.29	46	85.5	230/460	2.5	8,30
	3600	145T	EM3586T-G	1,166	HV3	12.54	62	85.5	230/460	2.5	8,30
	1800	145T	EM3558T-G	927	HV3	13.31	42	86.5	230/460	2.9	8,30
	1800	145T	EM3587T-G	1,145	HV3	12.54	62	86.5	230/460	2.9	8,30
3	1200	184T	EM3614T-G	1,234	HV3	18.04	94	88.5	230/460	3.5	8,30
	1200	184T	EM3664T-G	1,401	HV3	15.24	123	88.5	230/460	3.15	8,30
	3600	145T	EM3559T-G	1,037	HV3	14.17	53	86.5	230/460	3.6	8,30
	3600	182T	EM3610T-G	1,079	HV3	15.29	57	86.5	230/460	3.6	8,30
	3600	182T	EM3660T-G	1,260	HV3	15.24	58	86.5	230/460	3.8	8,30
5	1800	182T	EM3611T-G	1,037	HV3	16.54	74	89.5	230/460	4.2	8,30
	1800	182T	EM3661T-G	1,291	HV3	15.24	105	89.5	230/460	4.1	8,30
	1200	213T	EM3704T-G	1,570	HV3	19.01	135	89.5	230/460	4.6	8,30
	1200	213T	EM3764T-G	1,716	HV3	18.45	211	89.5	230/460	4.5	8,30
	3600	184T	EM3613T-G	1,175	HV3	16.54	76	88.5	230/460	5.9	8,30
7 1/2	3600	184T	EM3663T-G	1,513	HV3	15.24	99	88.5	230/460	5.8	8,30
	1800	184T	EM3615T-G	1,116	HV3	18.04	92	89.5	230/460	6.7	8,30
	1800	184T	EM3665T-G	1,317	HV3	15.24	115	89.5	230/460	6.6	8,30
	1200	215T	EM3708T-G	1,745	HV3	19.76	154	89.5	230/460	7.3	8,30
	1200	215T	EM3768T-G	1,963	HV3	18.45	198	89.5	230/460	7.4	8,30
10	3600	213T	EM3709T-G	1,686	HV3	17.89	133	89.5	230/460	9	8,30
	3600	213T	EM3769T-G	1,963	HV3	18.45	169	89.5	230/460	9	8,30
	1800	213T	EM3710T-G	1,547	HV3	19.01	129	91.7	230/460	9.4	8,30
	1800	213T	EM3770T-G	1,924	HV3	18.45	193	91.7	230/460	9.5	8,30
	1200	254T	EM2276T-G	2,842	HV3	23.30	281	91	230/460	11	8,30
10	3600	215T	EM3711T-G	1,706	HV3	17.89	118	90.2	230/460	11.8	8,30
	3600	215T	EM3771T-G	2,035	HV3	18.45	164	90.2	230/460	11.8	8,30
	1800	215T	EM3714T-G	1,718	HV3	20.51	156	91.7	230/460	12	8,30
	1800	215T	EM3774T-G	1,907	HV3	18.45	232	91.7	230/460	12.2	8
	1200	256T	EM2332T-G	3,202	HV3	23.30	322	91	230/460	14.1	8,30

(a) See notes on inside back flap. 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)

For more information visit baldor.com or new.abb.com/motors-generators

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty

Super-E®, three phase, TEFC, foot mounted, with internal AEGIS® Bearing Protection Ring

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
230/460 volt (continued)											
15	3600	254T	EM2394T-G	2,813	HV3	23.30	239	91	230/460	17.5	8,30
	1800	254T	EM2333T-G	2,599	HV3	23.30	270	92.4	230/460	18.1	8,30
	1200	284T	EM4100T-G	4,257	HV3	27.76	369	91.7	230/460	21	8,30
20	3600	256T	EM4106T-G	3,059	HV3	23.30	261	91	230/460	23	8,30
	1800	256T	EM2334T-G	3,089	HV3	23.30	295	93	230/460	24	8,30
	1200	286T	EM4102T-G	5,543	HV3	27.76	393	91.7	230/460	27	8,30
25	3600	284TS	EM4107T-G	3,986	HV3	24.70	323	91.7	230/460	29	8,30
	1800	284T	EM4103T-G	4,034	HV3	27.76	400	93.6	230/460	30	8,30
	1200	324T	EM4111T-G	6,301	HV3	30.39	507	93	230/460	32	8,30
30	3600	286TS	EM4108T-G	4,665	HV3	24.70	336	91.7	230/460	34	8,30
	1800	286T	EM4104T-G	4,715	HV3	27.76	410	93.6	230/460	38	8,30
	1200	326T	EM4117T-G	7,209	HV3	30.28	604	93	230/460	39	8,30
40	3600	324TS	EM4109T-G	6,333	HV3	28.78	532	92.4	230/460	46	8,30
	1800	324T	EM4110T-G	6,129	HV3	30.28	596	94.1	230/460	48	8,30
	1200	364T	EM4308T-G	9,194	HV3	33.48	883	94.1	230/460	49.4	8,30
50	3600	326TS	EM4114T-G	6,885	HV3	28.78	584	93	230/460	56	8,30
	1800	326T	EM4115T-G	6,655	HV3	30.28	648	94.5	230/460	58	8,30
	1200	365T	EM4312T-G	11,035	HV3	33.48	910	94.1	230/460	61.7	8,30
60	3600	364TS	EM4310T-G	9,843	HV3	31.36	900	95	230/460	66.3	8,30
	1800	364T	EM4314T-G	9,724	HV3	33.48	907	95	230/460	68	8,30
75	3600	365TS	EM4313T-G	11,392	HV3	31.36	966	94.5	230/460	81.9	8,30
	1800	365T	EM4316T-G	11,310	HV3	33.48	956	95.4	230/460	85.9	8,30
100	1800	405T	EM4400T-G	14,152	HV3	38.20	1214	95.4	230/460	112	8,30
200 volt											
5	1800	184T	EM3665T-8G	1,350	HV3	15.23	119	89.5	200	15.1	8
7 1/2	1800	213T	EM3770T-8G	1,725	HV3	18.45	170	91.7	200	21.4	8
10	1800	215T	EM3774T-8G	1,908	HV3	18.45	231	91.7	200	28	8
15	1800	254T	EM2333T-8G	2,599	HV3	23.30	254	92.4	200	42.4	8
575 volt											
1	1800	143T	EM3546T-5G	872	HV3	12.31	35	85.5	575	1.2	8
1 1/2	1800	145T	EM3554T-5G	900	HV3	13.31	42	86.5	575	1.8	8
2	1800	145T	EM3558T-5G	927	HV3	13.31	46	86.5	575	2.3	8
3	1800	182T	EM3611T-5G	1,037	HV3	16.54	76	89.5	575	3.3	8
5	1800	184T	EM3615T-5G	1,116	HV3	18.04	84	89.5	575	5.3	8
7 1/2	1800	213T	EM3710T-5G	1,547	HV3	19.01	126	91.7	575	7.6	8
10	1800	215T	EM3714T-5G	1,718	HV3	20.51	165	91.7	575	9.6	8
15	1800	254T	EM2333T-5G	2,599	HV3	23.30	250	92.4	575	14.6	8
20	1800	256T	EM2334T-5G	3,089	HV3	23.30	293	93	575	19.2	8
25	1800	284T	EM4103T-5G	4,034	HV3	27.76	364	93.6	575	24	8
30	1800	286T	EM4104T-5G	4,715	HV3	27.76	423	93.6	575	29	8
40	1800	324T	EM4110T-5G	6,129	HV3	30.28	576	94.1	575	39	8
50	1800	326T	EM4115T-5G	6,655	HV3	30.28	644	94.5	575	46	8

(a) See notes on inside back flap.

Cast iron frame

*IP54 when drain fitting kit #HA5027A03 is installed in the weep holes (48 thru 256T frame motors only)

NEW!

Super-E, three phase, ODP, C-Face, foot mounted, with internal AEGIS® Bearing Protection Ring

1 thru 100 Hp

**IP22****Features:**

- Class H insulation for increased protection on inverter use
- Internal grounding ring for bearing current mitigation
- Designed for longevity with 3 year warranty
- Suitable for inverter use per NEMA MG1 Part 31.4.4.2

Applications:

- Fans
- Pumps
- Blowers
- Unit handling
- HVAC systems
- Variable speed applications
- 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	Notes (a)
230/460 volt											
1	3600	56C	CEM31115-G	800	HV3	11.75	37	78.5	230/460	1.6	8, 12, 15, 30
	1800	143TC	CEM3116T-G	970	HV3	11.12	34	85.5	230/460	1.5	8, 30
	1200	145TC	CEM3156T-G	988	HV3	11.62	40	82.5	230/460	1.8	8, 30
1 1/2	3600	143TC	CEM3120T-G	856	HV3	11.12	34	84	230/460	2	8, 30
	1800	145TC	CEM3154T-G	1,006	HV3	11.62	38	86.5	230/460	2.2	8, 30
	1200	182TC	CEM3207T-G	1,143	HV3	15.00	67	86.5	230/460	2.5	8, 30
2	3600	143TC	CEM3155T-G	978	HV3	11.62	41	85.5	230/460	2.5	8, 30
	1800	145TC	CEM3157T-G	1,068	HV3	12.12	41	86.5	230/460	2.9	8, 30
	1200	184TC	CEM3215T-G	1,165	HV3	16.50	79	87.5	230/460	3.4	8, 30
3	3600	145TC	CEM3158T-G	988	HV3	13.00	51	85.5	230/460	3.8	8, 30
	1800	182TC	CEM3211T-G	1,151	HV3	15.00	72	89.5	230/460	4.2	8, 30
	1200	213TC	CEM3305T-G	1,448	HV3	16.32	131	88.5	230/460	4.5	8, 30
5	3600	182TC	CEM3212T-G	1,077	HV3	13.62	63	86.5	230/460	6	8, 30
	1800	184TC	CEM3218T-G	1,245	HV3	16.50	84	89.5	230/460	6.6	8, 30
	1200	215TC	CEM3309T-G	1,844	HV3	17.45	141	89.5	230/460	7.4	8, 30
7 1/2	3600	184TC	CEM3219T-G	1,612	HV3	15.00	75	88.5	230/460	8.6	8, 30
	1800	213TC	CEM3311T-G	1,764	HV3	16.32	130	91	230/460	9.7	8, 30
	1200	254TC	CEM2506T-G	2,215	HV3	23.19	243	90.2	230/460	11	8, 30
10	3600	213TC	CEM3312T-G	1,831	HV3	16.32	121	89.5	230/460	12	8, 30
	1800	215TC	CEM3313T-G	2,098	HV3	17.45	148	91.7	230/460	12.5	8, 30
	1200	256TC	CEM2511T-G	2,818	HV3	23.19	255	91.7	230/460	14.3	8, 30
15	3600	215TC	CEM3314T-G	2,527	HV3	16.32	131	90.2	230/460	17.5	8, 30
	1800	254TC	CEM2513T-G	2,937	HV3	21.69	251	93	230/460	17.7	8, 30
	1200	284TC	CEM2524T-G	3,781	HV3	23.81	280	91.7	230/460	20.5	8, 30
20	3600	254TC	CEM2514T-G	2,978	HV3	21.69	185	91	230/460	23.5	8, 30
	1800	256TC	CEM2515T-G	3,202	HV3	21.69	250	93	230/460	24	8, 30
	1200	286TC	CEM2528T-G	4,542	HV3	23.81	299	92.4	230/460	27	8, 30
25	3600	256TC	CEM2516T-G	4,252	HV3	21.69	233	91.7	230/460	28	8, 30
	1800	284TC	CEM2531T-G	4,704	HV3	25.06	314	93.6	230/460	30	8, 30
	1200	324TC	CEM2532T-G	5,451	HV3	27.69	384	93	230/460	34	8, 30
30	3600	284TSC	CEM2534T-G	4,187	HV3	22.44	320	91.7	230/460	35	8, 30
	1800	286TC	CEM2535T-G	5,119	HV3	25.06	340	94.1	230/460	35	8, 30
	1200	326TC	CEM2536T-G	5,673	HV3	28.69	457	93.6	230/460	38	8, 30
40	3600	286TSC	CEM2538T-G	5,315	HV3	22.44	328	92.4	230/460	46	8, 30
	1800	324TC	CEM2539T-G	5,487	HV3	27.19	392	94.1	230/460	49	8, 30

(a) See notes on inside back flap.

Red catalog number indicates **NEW** product.**NEW!**For more information visit baldor.com or new.abb.com/motors-generators

Information

Single phase

General purpose

Severe duty

Large AC

Washdown duty

Explosion proof

Pump

HVAC

Farm duty

NEW!

Super-E®, three phase, ODP, C-Face, foot mounted, with internal AEGIS® Bearing Protection Ring

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
230/460 volt (continued)											
50	3600	324TSC	CEM2542T-G	5,785	HV3	25.69	392	93	230/460	56	8, 30
	1800	326TC	CEM2543T-G	6,024	HV3	27.69	497	94.5	230/460	57	8, 30
60	3600	326TSC	CEM2546T-G	7,243	HV3	30.69	616	95	230/460	68	8, 30
	1800	364TC	CEM2547T-G	7,756	HV3	30.69	565	95	230/460	68	8, 30
75	3600	364TSC	CEM2549T-G	9,655	HV3	33.72	750	95	230/460	87	8, 30
	1800	365TC	CEM2551T-G	9,397	HV3	33.72	597	95	230/460	85	8, 30
100	3600	365TSC	CEM2550T-4G	13,402	HV3	36.97	898	95.4	460	115	8, 30
	1800	404TC	CEM2555T-4G	13,597	HV3	36.97	898	95.4	460	115	8, 30

(a) See notes on inside back flap.
Red catalog number indicates NEW product.

NEW!

Super-E, three phase, ODP, foot mounted, with internal AEGIS® Bearing Protection Ring

1 thru 100 Hp



IP22



Features:

- Class H insulation for increased protection on inverter use
- Internal grounding ring for bearing current mitigation on DE retainer ring
- Designed for longevity with 3 year warranty
- Suitable for inverter use per NEMA MG1 Part 31.4.4.2

Applications:

- Fans
- Pumps
- Blowers
- Unit handling
- HVAC systems
- Variable speed applications
- 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	Notes (a)
230/460 volt											
1	3600	56	EM31115-G	703	HV3	11.75	27	77	230/460	1.6	8, 12, 15, 30
	1800	143T	EM3116T-G	877	HV3	11.12	34	85.5	230/460	1.5	8, 30
	1200	145T	EM3156T-G	893	HV3	11.62	40	82.5	230/460	1.8	8, 30
1 1/2	3600	143T	EM3120T-G	778	HV3	11.12	34	84	230/460	2	8, 30
	1800	145T	EM3154T-G	909	HV3	11.62	38	86.5	230/460	2.2	8, 30
	1200	182T	EM3207T-G	1,048	HV3	15.00	67	86.5	230/460	2.5	8, 30
2	3600	143T	EM3155T-G	884	HV3	11.62	41	85.5	230/460	2.5	8, 30
	1800	145T	EM3157T-G	962	HV3	12.12	41	86.5	230/460	2.9	8, 30
	1200	184T	EM3215T-G	1,067	HV3	16.50	79	87.5	230/460	3.4	8, 30
3	3600	145T	EM3158T-G	893	HV3	13.00	46	85.5	230/460	3.8	8, 30
	1800	182T	EM3211T-G	1,055	HV3	15.00	72	89.5	230/460	4.2	8, 30
	1200	213T	EM3305T-G	1,328	HV3	16.32	110	88.5	230/460	4.5	8, 30
5	3600	182T	EM3212T-G	991	HV3	13.62	63	86.5	230/460	6	8, 30
	1800	184T	EM3218T-G	1,137	HV3	16.50	84	89.5	230/460	6.6	8, 30
	1200	215T	EM3309T-G	1,672	HV3	17.45	141	89.5	230/460	7.4	8, 30
7 1/2	3600	184T	EM3219T-G	1,456	HV3	15.00	75	88.5	230/460	8.6	8, 30
	1800	213T	EM3311T-G	1,602	HV3	16.32	115	91	230/460	9.7	8, 30
	1200	254T	EM2506T-G	2,032	HV3	23.19	243	90.2	230/460	11	8, 30
10	3600	213T	EM3312T-G	1,661	HV3	16.32	113	89.5	230/460	12	8, 30
	1800	215T	EM3313T-G	1,893	HV3	17.45	127	91.7	230/460	12.5	8, 30
	1200	256T	EM2511T-G	2,556	HV3	23.19	255	91.7	230/460	14.3	8, 30
15	3600	215T	EM3314T-G	2,266	HV3	16.32	126	90.2	230/460	17.5	8, 30
	1800	254T	EM2513T-G	2,660	HV3	21.69	210	93	230/460	17.7	8, 30
	1200	284T	EM2524T-G	3,428	HV3	23.81	280	91.7	230/460	20.5	8, 30
20	3600	254T	EM2514T-G	2,695	HV3	21.69	195	91	230/460	23.5	8, 30
	1800	256T	EM2515T-G	2,890	HV3	21.69	227	93	230/460	23.5	8, 30
	1200	286T	EM2528T-G	4,090	HV3	23.81	299	92.4	230/460	27	8, 30
25	3600	256T	EM2516T-G	3,177	HV3	21.69	212	91.7	230/460	28	8, 30
	1800	284T	EM2531T-G	3,543	HV3	25.06	314	93.6	230/460	30	8, 30
	1200	324T	EM2532T-G	4,941	HV3	27.69	384	93	230/460	34	8, 30
30	3600	284TS	EM2534T-G	3,781	HV3	22.44	310	91.7	230/460	35	8, 30
	1800	286T	EM2535T-G	3,839	HV3	25.06	340	94.1	230/460	35	8, 30
	1200	326T	EM2536T-G	5,134	HV3	28.69	457	93.6	230/460	38	8, 30
40	3600	286TS	EM2538T-G	4,762	HV3	22.44	328	92.4	230/460	46	8, 30
	1800	324T	EM2539T-G	4,972	HV3	27.19	392	94.1	230/460	49	8, 30
	1200	364T	EM2540T-G	7,170	HV3	30.69	606	94.1	230/460	51	8, 30
50	3600	324TS	EM2542T-G	5,232	HV3	25.69	392	93	230/460	56	8, 30
	1800	326T	EM2543T-G	5,439	HV3	27.69	473	94.5	230/460	57	8, 30

(a) See notes on inside back flap.

Super-E®, three phase, ODP, foot mounted, with internal AEGIS® Bearing Protection Ring

Hp	RPM	NEMA Frame	Catalog Number	List Price	Disc. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
230/460 volt (continued)											
60	1800	364T	EM2547T-G	7,117	HV3	30.69	616	95	230/460	68	8, 30
75	1800	365T	EM2551T-G	8,543	HV3	33.72	750	95	230/460	87	8, 30
100	1800	404T	EM2555T-4G	10,158	HV3	36.97	898	95.4	460	115	8
200 volt											
1	1800	143T	EM3116T-8G	877	HV3	11.12	38	85.5	200	3.5	8
1 1/2	1800	145T	EM3154T-8G	909	HV3	11.62	37	86.5	200	5.1	8
2	1800	145T	EM3157T-8G	962	HV3	12.12	43	86.5	200	6.5	8
3	1800	182T	EM3211T-8G	1,055	HV3	15.00	74	89.5	200	9.7	8
5	1800	184T	EM3218T-8G	1,137	HV3	16.50	92	89.5	200	15.3	8
7 1/2	1800	213T	EM3311T-8G	1,602	HV3	16.32	120	91	200	22.2	8
10	1800	215T	EM3313T-8G	1,893	HV3	17.45	132	91.7	200	29.5	8
15	1800	254T	EM2513T-8G	2,660	HV3	21.69	234	93	200	40.7	8
20	1800	256T	EM2515T-8G	2,890	HV3	21.69	250	93	200	54.3	8
25	1800	284T	EM2531T-8G	3,543	HV3	25.06	330	93.6	200	70	8
30	1800	286T	EM2535T-8G	3,839	HV3	25.06	340	94.1	200	81	8
40	1800	324T	EM2539T-8G	4,972	HV3	27.19	390	94.1	200	109	8
575 volt											
1	1800	143T	EM3116T-5G	877	HV3	11.12	38	85.5	575	1.2	8
1 1/2	1800	145T	EM3154T-5G	909	HV3	11.62	37	86.5	575	1.8	8
2	1800	145T	EM3157T-5G	962	HV3	12.12	43	86.5	575	2.3	8
3	1800	182T	EM3211T-5G	1,055	HV3	15.00	74	89.5	575	3.4	8
5	1800	184T	EM3218T-5G	1,137	HV3	16.50	92	89.5	575	5.3	8
7 1/2	1800	213T	EM3311T-5G	1,602	HV3	16.32	114	91	575	7.8	8
10	1800	215T	EM3313T-5G	1,893	HV3	17.45	132	91.7	575	10	8
15	1800	254T	EM2513T-5G	2,660	HV3	21.69	210	93	575	14.1	8
20	1800	256T	EM2515T-5G	2,890	HV3	21.69	250	93	575	18.9	8
25	1800	284T	EM2531T-5G	3,543	HV3	25.06	328	93.6	575	24.5	8
30	1800	286T	EM2535T-5G	3,839	HV3	25.06	340	94.1	575	28	8
40	1800	324T	EM2539T-5G	4,972	HV3	27.19	400	94.1	575	40	8

(a) See notes on inside back flap.