Super-E® Motors with AEGIS® Bearing Protection Ring 1 – 100 HP 56 thru 405T & 1 – 20 HP 143JM thru 256JM

Applications:
Heating, ventilation and air conditioning blower and fan motors, pump motors, and other general purpose applications using an adjustable speed drive.

NEMA Premium®

Features:

- AEGIS® bearing protection ring installed internally
- Choice of TEFC or Open Drip Proof Enclosures
- NEMA Premium® efficiencies for LEED and FEMP buildings
- Class H insulation with Inverter Spike Resistant insulation system - meets NEMA MG 1 Part 31.4.4.2
- Inverter Ready
- 1.15 service factor with Class B temperature rise at rated horsepower (sine wave)
- Heavy duty frames with cast endplates, suitable for mounting in any position
- Dynamically balanced rotors for reduced vibration and quiet operation
- Ball bearings with Mobil Polyrex®EM grease.
- Other speeds, horsepower ratings, and voltages available as custom motors
- AEGIS® SGR guarantees the prevention of bearing damage caused by drive-induced currents
- Three year limited product warranty

BALDOR®
A MEMBER OF THE ABB GROUP

Three Phase, TEFC, Foot Mounted with Internal AEGIS® Bearing Protection Ring

1 thru 100 Hp
NEMA 56 thru 405T

NEMA Premium

Hp	RPM	NEMA Frame	Cat. No.	C Dim.	Aprx. Wt. (lbs)	FL Eff.	Voltage	FL Amps
1	3600	56	EM3545-G	12.23	35	77	230/460	1.4
	1800	143T	EM3546T-G	12.31	36	85.5	208-230/460	1.5
	1200	145T	EM3556T-G	13.31	40	82.5	208-230/460	1.8
1 1/2	3600	143T	EM3550T-G	12.29	36	84	208-230/460	1.9
	1800	145T	EM3554T-G	13.31	42	86.5	208-230/460	2.2
	1200	182T	EM3607T-G	16.54	77	87.5	208-230/460	2.4
2	3600	145T	EM3555T-G	13.29	46	85.5	208-230/460	2.5
	1800	145T	EM3558T-G	14.19	47	86.5	208-230/460	2.9
	1200	184T	EM3614T-G	18.04	90	88.5	208-230/460	3.5
3	3600	145T	EM3559T-G	15.54	60	87.5	208-230/460	3.5
	3600	182T	EM3610T-G	15.17	50	86.5	208-230/460	3.6
	1800	182T	EM3611T-G	16.54	74	89.5	208-230/460	4.2
	1200	213T	EM3704T-G	19.01	134	89.5	230/460	4.6
5	3600	184T	EM3613T-G	16.54	76	88.5	230/460	5.9
	1800	184T	EM3615T-G	18.04	92	89.5	208-230/460	6.7
	1200	215T	EM3708T-G	19.76	154	89.5	208-230/460	7.3
7 1/2	3600	213T	EM3709T-G	17.89	133	91	208-230/460	9
	1800	213T	EM3710T-G	19.01	126	91.7	230/460	9.4
	1200	254T	EM2276T-G	23.16	281	91	230/460	10.7
10	3600	215T	EM3711T-G	17.89	118	90.2	208-230/460	11.8
	1800	215T	EM3714T-G	20.51	156	91.7	208-230/460	12
	1200	256T	EM2332T-G	23.16	291	91	230/460	14.4
15	3600	254T	EM2394T-G	23.16	239	91	230/460	17.5
	1800	254T	EM2333T-G	23.16	270	92.4	230/460	18.1
	1200	284T	EM4100T-G	27.76	369	91.7	230/460	21
20	3600	256T	EM4106T-G	23.16	261	91	230/460	23
	1800	256T	EM2334T-G	23.16	295	93	230/460	24
	1200	286T	EM4102T-G	27.76	393	91.7	208-230/460	27
25	3600	284TS	EM4107T-G	24.70	323	91.7	230/460	29
	1800	284T	EM4103T-G	27.76	380	93.6	230/460	30
	1200	324T	EM4111T-G	30.39	507	93	230/460	32
30	3600	286TS	EM4108T-G	24.70	336	91.7	230/460	34
	1800	286T	EM4104T-G	27.76	410	93.6	230/460	38
	1200	326T	EM4117T-G	30.28	604	93	230/460	39
40	3600	324TS	EM4109T-G	28.87	532	92.4	230/460	46
	1800	324T	EM4110T-G	30.28	596	94.1	230/460	48
	1200	364T	EM4308T-G	33.44	883	94.1	230/460	49.4
50	3600	326TS	EM4114T-G	28.87	584	93	208-230/460	56
	1800	326T	EM4115T-G	30.28	648	94.5	230/460	58
	1200	365T	EM4312T-G	33.44	840	94.1	230/460	61.7
60	3600	364TS	EM4310T-G	31.31	900	94.5	230/460	66.3
	1800	364T	EM4314T-G	33.44	910	95	230/460	68
75	3600	365TS	EM4313T-G	31.31	966	95	230/460	81.9
	1800	365T	EM4316T-G	33.44	965	95.4	230/460	85.9
100	1800	405T	EM4400T-G	38.31	1214	95.4	230/460	112
1	1800	143T	EM3546T-5G	12.31	36	85.5	575	1.2
1 1/2	1800	145T	EM3554T-5G	13.31	42	86.5	575	1.8
2	1800	145T	EM3558T-5G	14.19	47	86.5	575	2.4
3	1800	182T	EM3611T-5G	16.55	74	89.5	575	3.3
5	1800	184T	EM3615T-5G	18.05	92	89.5	575	5.3
7 1/2	1800	213T	EM3710T-5G	19.02	126	91.7	575	7.6
10	1800	215T	EM3714T-5G	20.52	156	91.7	575	9.6
15	1800	254T	EM2333T-5G	23.16	270	92.4	575	14.8
20	1800	256T	EM2334T-5G	23.16	295	93	575	19.2
25	1800	284T	EM4103T-5G	27.76	380	93.6	575	23.9
30	1800	286T	EM4104T-5G	27.76	410	93.6	575	29
40	1800	324T	EM4110T-5G	30.28	596	94.1	575	39
50	1800	326T	EM4115T-5G	30.28	648	94.5	575	46

Shaded areas indicate cast iron construction.

Three Phase, ODP, Foot Mounted with Internal AEGIS® Bearing Protection Ring

1 thru 100 Hp
NEMA 56 thru 404T

NEMA Premium

Hp	RPM	NEMA Frame	Cat. No.	C Dim.	Aprx. Wt. (lbs)	FL Eff.	Voltage	FL Amps
1	3600	56	EM3115-G	11.06	28	80	208-230/460	1.5
	1800	143T	EM3116T-G	11.12	34	85.5	208-230/460	1.5
	1200	145T	EM3156T-G	11.62	40	82.5	208-230/460	1.8
1 1/2	3600	143T	EM3120T-G	11.12	34	84	208-230/460	2
	1800	145T	EM3154T-G	11.62	38	86.5	230/460	2.2
	1200	182T	EM3207T-G	15.00	67	87.5	208-230/460	2.7
2	3600	143T	EM3155T-G	11.62	41	85.5	208-230/460	2.5
	1800	145T	EM3157T-G	12.12	37	86.5	230/460	2.9
	1200	184T	EM3215T-G	16.50	78	88.5	208-230/460	3.4
3	3600	145T	EM3158T-G	13.00	46	85.5	230/460	3.8
	1800	182T	EM3211T-G	15.00	70	89.5	230/460	4.2
	1200	213T	EM3305T-G	16.32	114	88.5	208-230/460	4.5
5	3600	182T	EM3212T-G	13.62	60	86.5	208-230/460	6
	1800	184T	EM3218T-G	16.50	84	89.5	208-230/460	6.6
	1200	215T	EM3309T-G	17.45	141	89.5	208-230/460	7.4
7 1/2	3600	184T	EM3219T-G	15.00	76	88.5	208-230/460	8.6
	1800	213T	EM3311T-G	16.32	115	91	208-230/460	9.7
	1200	254T	EM2506T-G	23.19	243	90.2	230/460	11
10	3600	213T	EM3312T-G	17.45	110	91.7	208-230/460	12
	1800	215T	EM3313T-G	17.45	127	91.7	230/460	12.5
	1200	256T	EM2511T-G	23.19	255	91.7	230/460	14.3
15	3600	215T	EM3314T-G	16.32	123	90.2	230/460	17.5
	1800	254T	EM2513T-G	21.69	210	93	230/460	17.7
	1200	284T	EM2524T-G	23.81	281	91.7	230/460	20.5
20	3600	254T	EM2514T-G	21.69	195	91	230/460	23.5
	1800	256T	EM2515T-G	21.69	227	93	230/460	23.5
	1200	286T	EM2528T-G	25.06	299	93	230/460	27
25	3600	256T	EM2516T-G	21.69	212	91.7	230/460	28
	1800	284T	EM2531T-G	23.81	314	93.6	230/460	29
	1200	324T	EM2532T-G	27.69	384	93	208-230/460	34
30	3600	284TS	EM2534T-G	22.44	311	91.7	208-230/460	35
	1800	286T	EM2535T-G	25.06	337	94.1	230/460	35
	1200	326T	EM2536T-G	28.69	457	93.6	230/460	38
40	3600	286TS	EM2538T-G	22.44	328	92.4	208-230/460	46
	1800	324T	EM2539T-G	27.19	389	94.1	230/460	49
	1200	364T	EM2540T-G	30.69	606	94.1	230/460	51
50	3600	324TS	EM2542T-G	25.69	392	93	208-230/460	56
	1800	326T	EM2543T-G	27.69	473	94.5	230/460	57
60	1800	364T	EM2547T-G	30.69	616	95	230/460	68
75	1800	365T	EM2551T-G	33.72	750	95	230/460	87
100	1800	404T	EM2555T-4G	36.97	898	95.4	460	115

For additional information on these or any other Baldor products, please visit www.baldor.com or contact your local Baldor•Reliance Sales Representative.

Closed-Coupled Pump, Three Phase, TEFC and ODP, C-Face with Internal AEGIS® Bearing Protection Ring

1 thru 20 Hp

NEMA 143JM thru 256JM

NEMA Premium

Hp	RPM	NEMA Frame	Cat. No.	C Dim.	Aprx. Wt. (lbs)	FL Eff.	Voltage	FL Amps
TEFC Enclosure								
3	3600	182JM	EJMM3610T-G	16.91	60	86.5	208-230/460	3.6
	1800	182JM	EJMM3611T-G	18.06	77	89.5	208-230/460	4.2
5	3600	184JM	EJMM3613T-G	18.06	81	88.5	208-230/460	5.9
	1800	184JM	EJMM3615T-G	19.56	93	89.5	208-230/460	6.7
7 1/2	3600	213JM	EJMM3709T-G	19.81	127	89.5	208-230/460	9
	1800	213JM	EJMM3710T-G	20.94	136	91.7	230/460	9.4
10	3600	215JM	EJMM3711T-G	19.81	129	90.2	208-230/460	11.8
	1800	215JM	EJMM3714T-G	22.44	165	91.7	208-230/460	12
15	3600	254JM	EJMM2394T-G	25.30	260	91	230/460	17.5
	1800	254JM	EJMM2333T-G	25.30	265	92.4	230/460	18.1
20	3600	256JM	EJMM4106T-G	25.30	274	91	230/460	23
	1800	256JM	EJMM2334T-G	25.30	308	93	230/460	24

Shaded areas indicate cast iron construction.

ODP Enclosure								
1	1800	143JM	EJMM3116T-G	13.75	38	85.5	208-230/460	1.5
1 1/2	1800	145JM	EJMM3154T-G	13.75	42	86.5	230/460	2.2
2	1800	145JM	EJMM3157T-G	14.25	44	86.5	230/460	2.9
3	3600	145JM	EJMM3158T-G	15.13	51	85.5	230/460	3.8
	1800	182JM	EJMM3211T-G	16.50	74	89.5	230/460	4.2
5	3600	182JM	EJMM3212T-G	15.12	64	86.5	208-230/460	6
	1800	184JM	EJMM3218T-G	18.00	88	89.5	208-230/460	6.6
7 1/2	3600	184JM	EJMM3219T-G	16.50	78	88.5	208-230/460	8.6
	1800	213JM	EJMM3311T-G	18.19	120	91	230/460	9.7
10	3600	213JM	EJMM3312T-G	19.31	121	91.7	208-230/460	12
	1800	215JM	EJMM3313T-G	19.31	132	91.7	230/460	12.5
15	3600	215JM	EJMM3314T-G	19.31	154	91.7	230/460	17.5
	1800	254JM	EJMM2513T-G	23.19	213	93	230/460	17.7

For additional information on these or any other Baldor products, please visit www.baldor.com or contact your local Baldor•Reliance Sales Representative.

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Baldor Electric Company

P.O. Box 2400 • Fort Smith, AR 72902-2400 U.S.A.

Phone (479) 646-4711 • Fax (479) 648-5792

www.baldor.com

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