

Large AC - GPM Induction Motors

Standard Features:

- Suitable for use on a VFD 2:1 CT, 10:1 VT*
- Drive end slinger
- Insulated opposite drive end bearing
- High efficiency
- Cast iron frame, end shields and inner caps
- 100 ohm platinum winding RTD's
- Provisions for bearing RTD's
- Space heaters
- Ground lug in the conduit box
- CSA approved
- "L" and "T" shafts are ball bearing and convertible to roller bearing
- "S" and "TS" shafts are ball bearing for coupled loads
- Belted duty "LR" shafts are roller bearing and convertible to ball bearing
- Paint - Specially formulated modified epoxy coating with UV protection



Our Job is to make you easier...

Selecting and purchasing a Large AC motor doesn't have to be difficult, and now it's not! Baldor's GPM product family of Large AC induction motors have many popular ratings in stock and an extensive array of non-stock ratings ready for order on short lead time. Buying a Large AC motor has never been easier. Performance data, drawings, etc., are readily available to ensure the right motor is selected for your application. Common feature modifications are available on the entire product family to suit a wide variety of industrial needs.

Easy to Select, Easy to Buy, Easy to Install/Own

Performance data, drawings, etc., readily available
Optional feature sets available
Local Baldor District Office sales support when requested
Available in-stock or short lead times
Strategic warehousing utilizing multiple stocking locations
Motor commissioning/installation available through ABB Service Group
User-friendly installation & operation manuals



Stock ratings available off the shelf!

*Suitable for use on variable frequency drives

Use of a VFD can greatly increase system efficiency in many centrifugal load applications. Indicators are that VFD use will increase in the coming years. All GPM motors are suitable for use on a VFD, including ABB's vast line of inverter drives.

BALDOR
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General Purpose, Three Phase, Totally Enclosed, Foot Mounted

Hp	RPM	NEMA Frame	Encl.	Catalog No.	List Price	Mult. Sym.	C Dim.	Aprx. Weight (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes
460 Volts												
350	1200	5010	TEFC	M50356L-4	37,732	LG	71.42	5600	95.2	460	398	1,16
		5010	TEFC	EM50356L-4	43,392	LG	71.42	5600	95.8	460	398	1
		5010	TEFC	M50356LR-4	39,036	LG	71.42	5600	95.2	460	398	1,5,16
		5010	TEFC	EM50356LR-4	44,891	LG	71.42	5600	95.8	460	398	1,5
400	1200	5010	TEFC	M50402S-4	38,205	LG	67.45	5500	95.3	460	428	1,16
		5010	TEFC	M50406L-4	41,031	LG	71.42	5600	95.5	460	454	1
		5010	TEFC	EM50406L-4	47,186	LG	71.42	5600	95.8	460	454	1
		5010	TEFC	M50406LR-4	42,335	LG	71.42	5600	95.5	460	454	1
	5010	TEFC	EM50406LR-4	48,685	LG	71.42	5600	95.5	460	454	1,5	
450	900	5012	TEFC	EM50408LR-4	60,807	LG	79.44	6600	95.4	460	499	1
	3600	5010	TEFC	M50452S-4	44,401	LG	67.45	5500	95.4	460	480	1,16
		5010	TEFC	EM50452S-4	51,061	LG	67.45	5500	95.8	460	480	1
	1800	5010	TEFC	M50454L-4	40,856	LG	71.42	5500	95.8	460	511	1,16
		5010	TEFC	EM50454L-4	46,984	LG	71.42	5500	96.2	460	511	1
	1200	5012	TEFC	M50456L-4	46,810	LG	79.44	6600	95.5	460	508	1
		5012	TEFC	EM50456L-4	53,832	LG	79.44	6600	95.8	460	508	1
		5012	TEFC	M50456LR-4	48,114	LG	79.44	6600	95.5	460	508	1
		5012	TEFC	EM50456LR-4	55,331	LG	79.44	6600	95.8	460	508	1,5
	900	5012	TEFC	EM50458LR-4	63,847	LG	79.44	6600	95.6	460	574	1,5,10
500	3600	5010	TEFC	M50502S-4	48,093	LG	67.45	5500	95.7	460	532	1,16
		5010	TEFC	EM50502S-4	55,307	LG	67.45	5500	95.8	460	532	1
	1800	5010	TEFC	M50504L-4	46,492	LG	71.42	5500	96.0	460	569	1,16
		5010	TEFC	EM50504L-4	53,466	LG	71.42	5500	96.2	460	569	1
	1200	5012	TEFC	M50506L-4	53,039	LG	79.44	6600	95.6	460	564	1
		5012	TEFC	EM50506L-4	60,995	LG	79.44	6600	95.8	460	564	1
		5012	TEFC	M50506LR-4	54,343	LG	79.44	6600	95.6	460	564	1
		5012	TEFC	EM50506LR-4	62,494	LG	79.44	6600	95.8	460	564	1,5
	900	5810	TEFC	EM58508LR-4	78,072	LG	90.81	10000	95.6	460	637	1
	600	3600	5010	TEFC	M50602S-4	52,207	LG	79.00	5650	95.7	460	644
1800			5012	TEFC	M50604L-4	55,152	LG	79.44	6600	96.2	460	678
1200		5012	TEFC	M50606L-4	61,203	LG	79.44	6600	95.9	460	667	1,7
		5012	TEFC	M50606LR-4	62,507	LG	79.44	6600	95.9	460	667	1,5,7
900		5810	TEFC	M58608LR-4	85,261	LG	90.81	10000	95.9	460	774	1,5,10
700	3600	5810	TEFC	M58702S-4	55,029	LG	95.59	10000	95.8	460	767	1
		1800	5012	TEFC	M50704L-4	63,072	LG	79.42	6600	96.3	460	792
	1200	5810	TEFC	M58706L-4	67,797	LG	90.81	10000	96.2	460	781	1
		5810	TEFC	M58706LR-4	69,101	LG	90.81	10000	96.2	460	781	1,5
	900	450	TEFC	M450708L-4	105,121	LG	86.42	11000	95.6	460	875	1,7,9,10
800	3600	5810	TEFC	M58802S-4	69,833	LG	95.59	10000	95.7	460	877	1
		1800	5012	TEFC	M50804L-4	67,731	LG	90.97	6600	96.6	460	911
	1200	5810	TEFC	M58806LR-4	75,237	LG	90.81	10000	96.7	460	903	1,7,10
		900	450	TEFC	M450808L-4	105,121	LG	86.42	11000	95.9	460	1011
900	1800	5012	TEFC	M50904L-4	69,190	LG	84.87	6600	96.4	460	1000	1,7,10
	1200	450	TEFC	M450906L-4	92,733	LG	83.47	10000	96.3	460	1047	1,7,9,10
		900	500	TEFC	M500908L-4	121,922	LG	99.02	14925	95.6	460	1095
1000	1800	450	TEFC	M4501004L-4	100,178	LG	86.42	10000	96.0	460	1126	1,7,9,10
		1200	450	TEFC	M4501006L-4	105,979	LG	96.65	12600	95.8	460	1136
	900	500	TEFC	M5001008L-4	123,922	LG	99.02	15000	95.7	460	1229	1,7,9,10
1250	1800	500	TEFC	M5001254L-4	120,836	LG	72.64	14000	96.1	460	1387	1,7,9,10
	1200	500	TEFC	M5001256L-4	115,034	LG	96.65	14500	96.4	460	1441	1,7,9,10
1500	1800	500	TEFC	M5001504L-4	133,358	LG	120.28	15500	96.4	460	1645	1,7,9,10

General Purpose, Three Phase, Totally Enclosed, Foot Mounted

Hp	RPM	NEMA Frame	Encl.	Catalog No.	List Price	Mult. Sym.	C Dim.	Aprx. Weight (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes
575 Volts												
450	1800	5010	TEFC	EM50454L-5	46,984	LG	71.42	5500	96.2	575	415	1,10
500	1800	5010	TEFC	EM50504L-5	53,832	LG	71.42	5500	96.2	575	454	1,10
600	1800	5012	TEFC	M50604L-5	55,152	LG	79.44	6600	96.2	575	544	1,10
700	1800	5012	TEFC	M50704L-5	63,072	LG	79.42	6600	96.3	575	633	1,10
800	1800	5012	TEFC	M50804L-5	67,731	LG	90.97	6600	96.6	575	725	1,10
900	1800	5012	TEFC	M50904L-5	69,190	LG	84.87	6600	96.4	575	800	1,7,10
1000	1800	450	TEFC	M4501004L-5	102,965	LG	86.42	11000	96.1	575	893	1,7,9,10
1250	1800	500	TEFC	M5001254L-5	120,835	LG	120.28	13600	96.2	575	1103	1,7,9,10
1500	1800	500	TEFC	M5001504L-5	124,863	LG	120.28	14500	96.3	575	1371	1,7,9,10
2300/4000 Volts												
250	3600	449TS	TEFC	EM44252TS-2340	33,234	LG	49.49	2338	95.0	2300/4000	33	1
	1800	L449T	TEFC	EM44254T-2340	36,300	LG	60.21	2694	95.0	2300/4000	32	1
	1200	5010	TEFC	M50256LR-2340	41,964	LG	71.42	5500	94.6	2300/4000	34	1,5
	900	5010	TEFC	EM50258LR-2340	48,317	LG	71.42	5500	94.3	2300/4000	36	1,5,10
300	3600	L449TS	TEFC	EM44302TS-2340	40,255	LG	56.48	3149	95.3	2300/4000	39	1
	1800	L449T	TEFC	EM44304T-2340	36,979	LG	60.21	3676	95.0	2300/4000	39	1,5
	1200	5010	TEFC	M50306LR-2340	43,298	LG	71.42	3683	94.7	2300/4000	40	1,5
	900	5012	TEFC	EM50308LR-2340	54,916	LG	79.44	5500	94.5	2300/4000	43	1,5,10
350	3600	5010	TEFC	EM50352S-2340	43,766	LG	67.45	5500	95.0	2300/4000	45	1
	1800	5008	TEFC	EM50354L-2340	44,000	LG	64.45	5000	95.0	2300/4000	46	1
	1200	5010	TEFC	M50356LR-2340	49,383	LG	71.42	5500	94.8	2300/4000	47	1,5
	900	5012	TEFC	EM50358LR-2340	63,165	LG	79.44	6600	94.5	2300/4000	51	1,5,10
400	3600	5010	TEFC	EM50402S-2340	48,213	LG	67.45	5500	95.0	2300/4000	50	1
	1800	5010	TEFC	EM50404L-2340	47,745	LG	71.42	5500	95.3	2300/4000	52	1
	1200	5012	TEFC	EM50406LR-2340	54,064	LG	79.44	6600	95.0	2300/4000	53	1,5
	900	5012	TEFC	EM50408LR-2340	72,357	LG	79.44	6600	94.8	2300/4000	62	1,5,7,10
450	3600	5010	TEFC	EM50452S-2340	56,872	LG	67.45	5500	95.2	2300/4000	57	1
	1800	5010	TEFC	EM50454L-2340	51,957	LG	71.42	5500	95.5	2300/4000	59	1
	1200	5012	TEFC	EM50456LR-2340	62,021	LG	79.44	6600	95.1	2300/4000	60	1,5
	900	5810	TEFC	EM58458LR-2340	78,596	LG	90.81	10000	95.2	2300/4000	67	1,5,10
500	3600	5010	TEFC	EM50502S-2340	62,021	LG	67.45	5500	95.4	2300/4000	63	1
	1800	5012	TEFC	EM50504L-2340	59,681	LG	79.42	6600	95.5	2300/4000	65	1
	1200	5012	TEFC	EM50506LR-2340	70,915	LG	79.44	6600	95.3	2300/4000	64	1,5,7
	900	5810	TEFC	EM58508LR-2340	88,384	LG	90.81	10000	95.1	2300/4000	73	1,5,10
600	3600	5010	TEFC	EM50602S-2340	67,872	LG	79.00	5500	95.6	2300/4000	75	1,7
	1800	5012	TEFC	EM50604L-2340	70,213	LG	79.42	6600	95.8	2300/4000	78	1
	1200	5810	TEFC	EM58606LR-2340	78,404	LG	90.81	10000	95.7	2300/4000	79	1,5
	900	5810	TEFC	EM58608LR-2340	100,169	LG	90.81	10000	95.6	2300/4000	87	1,5,7,10
700	3600	5810	TEFC	M58702S-2340	71,851	LG	95.59	10000	95.2	2300/4000	89	1
	1800	5012	TEFC	EM50704L-2340	77,234	LG	79.42	6600	96.1	2300/4000	90	1
	1200	5810	TEFC	EM58706LR-2340	89,652	LG	90.81	10000	96.2	2300/4000	92	1,5,7
	900	450	TEFC	EM450708L-2340	113,182	LG	83.47	10000	95.3	2300/4000	107	1,7,9,10
800	3600	5810	TEFC	EM58802S-2340	89,362	LG	95.59	10000	95.5	2300/4000	103	1
	1800	5012	TEFC	EM50804L-2340	89,872	LG	90.97	6600	95.8	2300/4000	102	1,7
	1200	450	TEFC	EM450806L-2340	102,853	LG	83.47	10000	96.0	2300/4000	105	1,7,9,10
	900	450	TEFC	EM450808L-2340	122,452	LG	83.47	10800	95.6	2300/4000	113	1,7,9,10

General Purpose, Three Phase, Totally Enclosed, Foot Mounted

Hp	RPM	NEMA Frame	Encl.	Catalog No.	List Price	Mult. Sym.	C Dim.	Aprx. Weight (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes
900	1800	5810	TEFC	EM58904L-2340	94,553	LG	90.81	10000	96.2	2300/4000	115	1
	1200	450	TEFC	EM450906L-2340	112,006	LG	83.47	10000	96.2	2300/4000	118	1,7,9,10
	900	500	TEFC	EM500908L-2340	141,652	LG	99.02	14000	95.6	2300/4000	124	1,7,9,10
1000	1800	5810	TEFC	EM581004L-2340	108,596	LG	102.27	11000	96.1	2300/4000	129	1
	1200	450	TEFC	EM4501006L-2340	115,432	LG	83.47	11000	95.9	2300/4000	130	1,7,9,10
	900	500	TEFC	EM5001008L-2340	143,652	LG	99.02	14000	95.6	2300/4000	138	1,7,9,10
1250	1800	500	TEFC	EM5001254L-2340	138,765	LG	120.23	13100	96.0	2300/4000	159	1,7,9,10
	1200	500	TEFC	EM5001256L-2340	126,546	LG	99.65	13000	96.3	2300/4000	167	1,7,9,10
	900	500	TEFC	EM5001258L-2340	144,599	LG	99.02	14000	95.9	2300/4000	179	1,7,9,10
1500	1800	500	TEFC	EM5001504L-2340	144,882	LG	120.28	14300	96.4	2300/4000	189	1,7,9,10
	1200	500	TEFC	EM5001506L-2340	139,139	LG	96.65	14700	96.6	2300/4000	200	1,7,9,10
	900	500	TEFC	EM5001508L-2340	150,998	LG	99.02	16700	96.1	2300/4000	207	1,7,9,10

Notes:

1. Class F Insulated Motor with 1.15 Service Factor or higher that operates within Class "B" temperature limits at rated horsepower.
5. Belted duty only, roller bearing.
7. Copper Bar Rotor
9. Metric frame dimensions.
10. Non-stock, built on demand.
16. Motor can no longer be produced as of June 1, 2016. The Integral Horsepower Rule allows for existing inventory of this motor built prior to June 1, 2016 to be sold until inventory is depleted.

Don't see a feature you need? The GPM product family of motors has over 30 modifications available via Baldor's Mod Express. Modifications are available from the factory and most can be performed in 5 days or less. For more information please reference the Mod Express section of the CA501 catalog or online at www.baldor.com



BALDOR

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