

RPM AC,
Inverter Duty,
Three Phase

5 thru 1000 Hp

FL1838 thru L446I

Applications: Extruders, conveyors, crane & hoist systems, converting, pumps, web processing, test stands, traction duty, winders, printing.



Features: Compact square laminated steel frame FL210-L440 (FL180 is extruded aluminum) for inverter duty and vector duty 1000:1 constant torque. Premium class H insulation, 40 C ambient, 1.0 S.F. Ball bearing. Three normally closed thermostats (one per phase). Surpasses the requirements of MG1, Part 31. VPI insulation & insulated O.D.E. bearing is standard on all L440 frames. Exclusive optimum pole Inverter Duty - not for across the line operation.

Hp	RPM	Max. RPM	NEMA Frame	Encl.	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	EISA Status (a)	Notes (a)
5	1800	3500	FL1838C	TENV	IDNRP18054C	3,232	E2	17.87	170	230/460	7.4	C	90
7 1/2	1800	3500	FL1852C	TENV	IDNRP18074C	3,716	E2	21.87	225	230/460	11	C	91
10	1800	3500	FL1844C	TEFC	IDFRPM18104C	3,858	E2	23.26	208	230/460	13.9	C	91
			FL2162C	TENV	IDNRP21104C	4,400	E2	23.11	300	230/460	13.6	C	91
15	1800	3500	FL1844C	TEBC	IDBRPM18154C	3,987	E2	23.89	200	460	21	C	92
			FL2162C	TEFC	IDFRPM21154C	4,805	E2	26.74	310	460	20	C	92
20	1800	3500	FL1852C	TEBC	IDBRPM18204C	4,394	E2	25.89	235	460	12.5	C	92
			FL2162C	TEFC	IDFRPM21204C	4,805	E2	26.74	318	460	27	C	92
25	1800	3500	FL2162C	TEBC	IDBRPM21254C	5,114	E2	26.74	320	460	34	C	92
		2600	FL1844C	DPG-FV	IDDRPM18254C	4,624	E2	22.32	246	460	33	C	92
		3500	FL2173C	TEFC	IDFRPM21254C	5,190	E2	29.50	380	460	34	C	92
30	1800	3500	FL2162C	TEBC	IDBRPM21304C	5,114	E2	26.74	215	460	40	C	92
		3475	FL1852C	DPG-FV	IDDRPM18304C	4,811	E2	23.32	248	460	39	C	92
		3500	FL2570C	TEFC	IDFRPM25304C	5,462	E2	29.54	500	460	38	C	92
40	1800	3500	FL2173	TEBC	IDBRPM21404	5,651	E2	29.25	382	460	51	C	93
		2000	RL2162	DPG-FV	IDDRPM21404	5,604	E2	23.12	400	460	50	C	93
		3550	FL2586	TEFC	IDFRPM25404	5,942	E2	33.79	650	460	51	C	93
50	1800	3500	FL2570	TEBC	IDBRPM25504	6,302	E2	29.79	530	460	65	C	93
		2000	RL2168	DPG-FV	IDDRPM21504	7,544	E2	24.62	432	460	62	C	93
		3550	FL2882	TEFC	IDFRPM28504	10,149	E2	34.59	775	460	64	C	93
60	1800	1300	RL2570	DPG-FV	IDDRPM25506	9,060	E2	26.38	560	460	64	C	93
		3500	FL2578	TEBC	IDBRPM25604	9,302	E2	31.79	610	460	75	C	93
		2200	RL2168	DPG-FV	IDDRPM21604	7,544	E2	24.62	426	460	74	C	93
75	1800	3550	FL2890	TEFC	IDFRPM28604	10,149	E2	36.59	855	460	76	C	93
		1300	RL2578	DPG-FV	IDDRPM25606	10,985	E2	28.38	624	460	73	C	93
		3500	FL2586	TEBC	IDBRPM25754	11,109	E2	33.79	670	460	92	C	93
100	1800	2500	RL2570	DPG-FV	IDDRPM25754	9,060	E2	26.38	565	460	96	C	93
		3550	FL2898	TEFC	IDFRPM28754	12,125	E2	38.59	800	460	94	C	93
		1300	RL2586	DPG-FV	IDDRPM25756	14,557	E2	30.38	608	460	91	C	93
125	1800	3550	FL2890	TEBC	IDBRPM281004R1	12,573	E2	41.11	785	460	124	C	93
		2000	RL2578	DPG-FV	IDDRPM251004	10,985	E2	28.38	630	460	119	C	93
		1450	RL2882	DPG-FV	IDDRPM281006	16,253	E2	31.14	785	460	124	C	93
150	1800	3550	FL2898	TEBC	IDBRPM281254	13,305	E2	43.11	890	460	156	C	93
		3500	L3203	TEBC	IDBRPM321254	18,636	E2	44.25	1205	460	150	C	93
		2000	RL2586	DPG-FV	IDDRPM251254	14,557	E2	30.38	700	460	148	C	93
150	1200	1600	RL2898	DPG-FV	IDDRPM281256	21,189	E2	35.14	810	460	159	C	93
		3500	L3213	TEBC	IDBRPM321504	24,933	E2	46.75	1360	460	177	C	93
150	1200	2000	RL2882	DPG-FV	IDDRPM281504	16,253	E2	31.14	770	460	156	C	93
		1600	L3203	DPG-FV	IDDRPM321506	24,933	E2	39.88	1180	460	180	C	93

(a) See notes on inside back flap.

All TEBC and DPG-FV have integral blower rated 230/460 volts 3 phase. All TENV, TEFC and TEBC have top mounted conduit box. All DPG-FV are F1.

ENCODER MOUNTING PROVISIONS - INCLUDE MACHINED ODE BRACKET AND SHAFT TAPPED FOR STUB SHAFT. FOR CLOSED LOOP CONTROL SEE ENCODER FEEDBACK KITS ON PAGES 222 AND 223 FOR USE WITH ID-RPM AC MOTORS. FOR RPM AC MOD EXPRESS, CONTACT YOUR BALDOR-RELIANCE DISTRICT OFFICE.

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes

RPM AC, Inverter Duty, Three Phase

Hp	RPM	Max. RPM	NEMA Frame	Encl.	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	EISA Status ^(a)	Notes ^(a)
200	1800	3500	L3614	TEBC	IDBRPM362004	27,583	E2	42.75	1835	460	227	C	93
			L4022	TEBC	IDBRPM402004	29,761	E2	42.12	1996	460	227	C	93
		2700	RL2898	DPG-FV	IDDRPM282004	21,189	E2	35.14	940	460	241	C	93
250	1800	3500	L3213	DPG-FV	IDDRPM322006	29,035	E2	42.38	1295	460	236	C	93
			L4034	TEBC	IDBRPM402504	34,534	E2	45.12	2244	460	283	C	93
		2945	L3203	DPG-FV	IDDRPM322504	24,933	E2	39.88	1220	460	290	C	93
300	1800	3500	L3614	DPG-FV	IDDRPM362504	36,767	E2	45.00	1690	460	289	C	93
			L4046	TEBC	IDBRPM403004	42,365	E2	48.12	2511	460	336	C	93
		2500	L3213	DPG-FV	IDDRPM323004	29,035	E2	42.88	1360	460	350	C	93
350	1800	3500	L4034	DPG-FV	IDDRPM403006	48,538	E2	52.00	2289	460	360	C	93
			L3614	DPG-FV	IDDRPM363504	36,767	E2	45.00	1812	460	401	C	93
		2000	L4046	DPG-FV	IDDRPM404006	59,172	E2	55.00	2485	460	451	C	93
400	1800	2400	L4034	DPG-FV	IDDRPM405004	48,538	E2	52.00	2285	460	557	C	94
			2380	L4461	DPG-FV	IDDRPM445006	92,546	E2	63.63	3875	460	669	C
		2200	L4046	DPG-FV	IDDRPM406004	59,172	E2	55.00	2535	460	666	C	94
700	1800	2300	L4429	DPG-FV	IDDRPM447004	73,848	E2	55.63	3180	460	875	C	94
			2000	L4461	DPG-FV	IDDRPM4410004	92,546	E2	63.63	3890	460	1,202	C

^(a) See notes on inside back flap.

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