

**RPM AC,
Salient Pole
PM Rotor,
Three Phase,
TEBC**

10 thru 150 Hp

FL1831C thru FL2890

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

Features: Above premium efficient design utilizing salient pole PM rotor technology to achieve high efficiency, low FLA and optimized power factor. Synchronous speed performance in a compact square frame design FL180 aluminum and FL210-280 laminated steel frame design. Must be applied with drive from page 217-218 specifically designed for permanent magnet rotor performance. Speed feedback and rotor positioning provided via Tamagawa resolver (800123-5A). Continuous constant torque from base speed down to zero speed 1000:1 turn down. Premium class H insulation 40 C ambient, 1.0 S.F., ball bearings, three normally closed thermostats (one per phase). Surpasses the requirements of MG1, Part 31. Exclusive optimum pole Inverter Duty - not for across the line operation.



Hp	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency ^(a)	Voltage	Full Load Amps ^(b)	Rotor Inertia lb-ft ²	EISA Status ^(a)	Notes ^(a)
10	1800	FL1831C	ZDPM18010C-BV	5,395	E2	27.50	185	94	230/460	11.2	0.46	C	8, 77, 91
15	1800	FL1838C	ZDPM18015C-BV	5,452	E2	29.00	143	94.6	460	16.2	0.63	C	8, 77, 92
20	1800	FL1844C	ZDPM18020C-BV	5,859	E2	30.50	180	94.7	460	22.5	0.77	C	8, 77, 92
25	1800	FL1852C	ZDPM18025C-BV	6,580	E2	32.50	209	95.1	460	26.7	0.96	C	8, 77, 92
30	1800	FL1852C	ZDPM18030C-BV	6,580	E2	32.50	209	94.7	460	32.6	0.96	C	8, 77, 92
40	1800	FL2162	ZDPM21040-BV	6,880	E2	33.50	290	94.5	460	44.7	2.14	C	8, 77, 93
50	1800	FL2168	ZDPM21050-BV	7,117	E2	35.00	330	94.8	460	54.8	2.60	C	8, 77, 93
60	1800	FL2173	ZDPM21060-BV	7,768	E2	36.00	355	94.8	460	66.8	2.99	C	8, 77, 93
75	1800	FL2578	ZDPM25075-BV	12,575	E2	38.50	540	95.8	460	82.3	4.90	C	8, 77, 93
100	1800	FL2586	ZDPM25100-BV	13,306	E2	40.50	605	96.8	460	110.4	5.83	C	8, 77, 93
125	1800	FL2882	ZDPM28125-BV	14,038	E2	43.61	730	95.9	460	136.9	9.43	C	8, 77, 93
150	1800	FL2890	ZDPM28150-BV	14,771	E2	45.61	805	96	460	163.4	11.16	C	8, 77, 93

^(a) See notes on inside back flap.

^(b) The data - including efficiency - is for fundamental sinewave components of amps and volts and does not include losses due to inverter pwm waveshapes.

All TEBC have integral blower rated 230/460 volts 3 phase.
See VS1PM Drives on next page for matched performance drive.

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 Start & Dynamic Brakes