

FR-F800 - 240V



The FR-F800 is a General Purpose VFD optimized for maximum energy saving. Equally at home in an industrial environment, the Farm or as part of an integrated HVAC system, FR-F800 can also be used as a cost-effective drive for controlling other types of lighter duty constant torque loads.

- Fast and Easy Setup. Up and running in no time.
- Local/Remote Control with included Keypad
- Load Detection System - Detects broken drive belts and other mechanical problems
- PID Pump/Fan Pressure Control. For maintaining a Constant Pressure.
- Built in PLC for Advanced User Requirements

F800 Ratings, 240V Class

Model Number	HP		Amps	List Price	Frame Size Code	Height	Width	Depth	Frame	Wt. (lbs)	
	*Variable Torque	*Constant Torque									
FR-F820-00046-E3N6	1	0.75	4.6	\$919	A	12.2	4.33	4.39	NEMA 1	6.0	
FR-F820-00077-E3N6	2	2	7.7	\$1,018	B	12.2	4.33	4.98		6.0	
FR-F820-00105-E3N6	3	2	10.5	\$1,081	C	12.52	5.91	5.57		9.0	
FR-F820-00167-E3N6	5	3	16.7	\$1,180	C	12.52	5.91	5.57		9.0	
FR-F820-00250-E3N6	7.5	5	25.0	\$1,350	C	12.52	5.91	5.57		9.0	
FR-F820-00340-E3N6	10	7.5	34.0	\$1,605	D	12.76	8.66	6.69		17	
FR-F820-00490-E3N6	15	10	49.0	\$1,792	D	12.76	8.66	6.69		17	
FR-F820-00630-E3N6	20	15	63.0	\$2,218	E	14.29	8.66	7.48		20	
FR-F820-00770-E3N6	25	20	77.0	\$2,847	F	20.37	9.84	7.48		37	
FR-F820-00930-E3N6	30	25	93.0	\$2,972	F	20.37	9.84	7.48		37	
FR-F820-01250-E3N6	40	30	125.0	\$3,282	F	20.37	9.84	7.48		37	
FR-F820-01540-E360	60	40	154.0	\$4,209	G	21.67	12.8	7.68		CHASSIS	48
FR-F820-01870-E360	60	50	187.0	\$6,767	H	21.67	17.13	9.84			92
FR-F820-02330-E360	75	60	233.0	\$8,938	H	21.67	17.13	9.84			92
FR-F820-03160-E360(*1)	125	75	316.0	\$14,945	K	27.56	18.31	9.84	119		
FR-F820-03800-E3U6(*1)	150	100	380.0	\$16,650	L	29.13	18.31	14.17	163		
FR-F820-04750-E3U6(*1)	150	125	475.0	\$19,069	L	29.13	18.31	14.17	163		

Note: (*1) Drives in Shaded Area MUST be used together with FR-HEL DC Link Choke (supplied separately)

SC=Self-Cooling FAC=Forced Air Cooling

ULT1 = UL Type 1- Plenum IP00 = IP00

VT = Fan and Pump (Water)

CT= Everything Else (Conveyor, Auger, Compressor, etc...)

FR-HEL DC Link Chokes (supplied separately)

Model Number	VT	CT	List Price	Dimensions inches			Weight (lbs)
				Height	Width	Depth	
FR-F820-03160-E360	FR-HEL-75K	FR-HEL-75K	\$761	13.4	5.9	7.9	37.4
FR-F820-03800-E3U6	FR-HEL-90K		\$866	13.4	5.9	7.9	41.8
FR-F820-03800-E3U6		FR-HEL-110K	\$989	13.4	5.9	7.7	48.4
FR-F820-04750-E3U6	FR-HEL-110K	FR-HEL-110K	\$989	13.4	5.9	7.7	49.4

Nema 1 Conduit Adaptor Kits for Both 230V and 480V F800s

Part Number	Frame	Dimensions	List	Part Number	Frame	Dimensions	List
CK-G	G	6 x 12 x 6	336	AF8FN-K	K	26 x 18 x 13	796
CK-H	H	6 x 17 x 5	368	AF8FN-L	L	26 x 18 x 14	835
AF8FN-G	G	24 x 13 x 7	670	AF8FN-M	M	26 x 19 x 15	832
AF8FN-H	H	24 x 17 x 9	736	AF8FN-N	N	28 x 27 x 15	923
AF8FN-J	J	24 x 18 x 11	620	Dimensions are H x W x D			

Variable Torque is going to be Fans or Centrifugal Pumps. **Constant Torque** is Conveyors, Augers, etc... Any Hard Starting Load.

For **Extra Hard Startin g** Loads, choose Constant Torque next HP Size Up. Rock Crushers, Augers that may get jammed.

FR-F800 ~ 480V



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F800 Ratings, 480V Class

Model Number	HP		Amps	List Price	Frame Size Code	Height	Width	Depth	Frame	Wt. (lbs)
	*Variable Torque	*Constant Torque								
FR-F840-00023-E3N6	1	0.75	2.3	\$978	C	12.52	5.91	5.57	NEMA 1	8
FR-F840-00038-E3N6	2	1.5	3.8	\$1,098	C	12.52	5.91	5.57		8
FR-F840-00052-E3N6	3	2	5.2	\$1,156	C	12.52	5.91	5.57		8
FR-F840-00083-E3N6	5	3	8.3	\$1,274	C	12.52	5.91	5.57		9
FR-F840-00126-E3N6	7.5	5	12.6	\$1,519	C	12.52	5.91	5.57		9
FR-F840-00170-E3N6	10	7.5	17	\$1,740	D	12.76	8.66	6.69		17
FR-F840-00250-E3N6	15	10	25	\$1,870	D	12.76	8.66	6.69		17
FR-F840-00310-E3N6	20	15	31	\$2,185	E	14.29	8.66	7.48		20
FR-F840-00380-E3N6	25	20	38	\$2,913	E	14.29	8.66	7.48		20
FR-F840-00470-E3N6	30	25	47	\$3,445	F	20.37	9.84	7.48		37
FR-F840-00620-E3N6	40	30	62	\$4,243	F	20.37	9.84	7.48	37	
FR-F840-00770-E360	50	40	77	\$5,076	G	21.67	12.8	7.68	IPOO	51
FR-F840-00930-E360	60	50	93	\$6,827	H	21.67	17.13	9.84		90
FR-F840-01160-E360	75	60	116	\$7,889	H	21.67	17.13	9.84		90
FR-F840-01800-E360(*1)	100	75	180	\$9,112	H	21.67	17.13	9.84		95
FR-F840-02160-E3U6(*1)	150	100	216	\$11,799	J	24.41	18.31	11.81		114
FR-F840-02600-E3U6(*1)	175	150	260	\$13,324	J	24.41	18.31	11.81		121
FR-F840-03250-E3U6(*1)	200	175	325	\$14,202	L	29.13	18.31	14.17		156
FR-F840-03610-E3U6(*1)	250	200	361	\$16,545	L	29.13	18.31	14.17		172
FR-F840-04320-E3U6(*1)	300	250	432	\$18,411	M	39.76	19.61	14.96		257
FR-F840-04810-E3U6(*1)	350	300	481	\$20,078	M	39.76	19.61	14.96		257
FR-F840-05470-E3U6(*1)	400	350	547	\$22,783	N	39.76	26.77	14.96	365	
FR-F840-06100-E3U6(*1)	450	400	610	\$29,266	N	39.76	26.77	14.96	365	
FR-F840-06830-E3U6(*1)	500	450	683	\$32,046	N	39.76	26.77	14.96	365	

Larger Drive Sizes are available thru 1,400 HP 480V (Call for pricing)

*DC Link Chokes are required on the highlighted drives above. See below for price and part numbers.

(*1) DC Link Chokes	Model Number	List Price	Height	Width	Depth	Weight (lbs)
FR-F840-01800-E360	FR-HEL-H90K	\$861	13.4	5.9	7.5	44.0
FR-F840-02160-E3U6	FR-HEL-H110K	\$947	13.4	5.9	7.7	48.4
FR-F840-02600-E3U6	FR-HEL-H132K	\$1,002	15.9	6.9	7.9	57.2
FR-F840-03250-E3U6	FR-HEL-H160K	\$1,241	15.9	6.9	8.1	61.6
FR-F840-03610-E3U6	FR-HEL-H185K	\$1,482	15.9	6.9	9.5	63.8
FR-F840-04320-E3U6	FR-HEL-H220K	\$1,730	15.9	6.9	9.5	66.0
FR-F840-04810-E3U6	FR-HEL-H250K	\$2,233	17.3	7.5	9.8	77.0
FR-F840-05470-E3U6	FR-HEL-H280K	\$2,734	17.3	7.5	10.0	83.6
FR-F840-06100-E3U6	FR-HEL-H315K	\$2,909	19.5	8.3	9.8	92.4
FR-F840-06830-E3U6	FR-HEL-H355K	\$4,589	19.5	8.3	9.8	101.2

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