

ELECTRO POWER

SPECIALIZING IN SOLID STATE MOTOR CONTROL

VFDs AND SOFT-STARTS

MOTORS

CONTROL PANELS

LOW AND MEDIUM VOLTAGE

HARMONICS & MOTOR PROTECTION



2019 CATALOG

CONDENSED VERSION





MITSUBISHI ELECTRIC AUTOMATION, INC.



D700

1—10 Hp
110V, 230V, 480V
Chassis (Shown)
Nema 1 Option



F800

1—1600 Hp
230V, 480V
Chassis
Nema 1 (Shown)



A800

1—1200 Hp
230V, 480V, 575V
Chassis
Nema 1 (Shown)



E700

1—20 Hp
230V, 480V
Chassis (Shown)
Nema 1 Option



Harmonics Filters

1—1,600 Hp
230V, 480V, 600V
Nema 1, 12, 3R, 4



Motor Protection

1—1,600 Hp
230V, 480V, 600V
Open or Enclosed



Soft-Starts

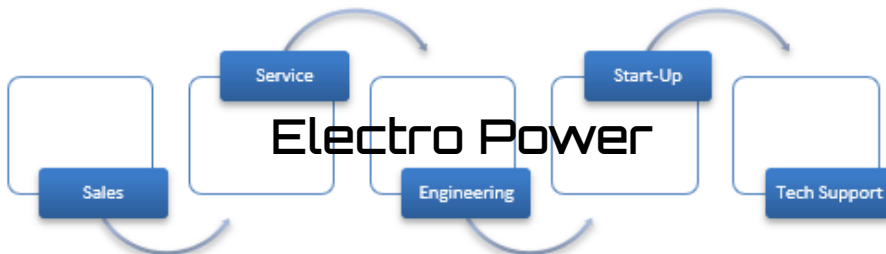
1—1,000 Hp
230V, 480V, 600V
Chassis (Shown)
Nema 1, 3R, 12, 4



Medium Voltage

200—5,000 Hp
2,100V, 15,000V
45—66 Hz

Everything to get your motor running and keep your motor running !



TOSHIBA



Motors

3 Phase Motors
208-230, 460, 575V
All Types



Medium Voltage Motors

300—5,000 Hp
2,400-4,160V
All Types



Medium Voltage Drives

300 — 11,000 Hp
2,400-4,160V
Indoor & Outdoor



Specialty Motors

IEC, JP, JM
P-Base, Oil Well
Explosion Proof

EP ELECTRO POWER



Custom and Stock Control Panels

We build Motor Control Panels for all industries and have a very extensive background in most including Cranes, Aggregate, Conveying, Pumping, Extruders, HVAC, Fans and many others. Our panels start and 1 Hp and get as large as Electrical Houses. No job is too big.

Call or email Us For a Price on Your Next Project

The Best Tech Support in the Business

24/7 365 Tech Support 414-476-6446 ext. 1001



D700 SERIES



Terminal


- **Simple Operation:** Control remotely or with the built-in digital control
- **Simple to Choose:** Low cost and with Mitsubishi Electric quality ensuring long operation life
- Capacity from 1/8 to 10 HP
- Safety Stop function meets EN954-1 Category 3 and IEC60204-1 Stop Category 0
- Integrated brake chopper circuit IEC60204-1 Stop Category 0
- 150% torque at 1Hz and 200% torque at 3Hz using General-purpose Magnetic Flux Vector Control
- Optimum Excitation Control for increased energy spinning load
- Dancer Control allows position signal to control roll tension
- Password Function for parameter setting protection
- Internal diagnostics function for monitoring status
- Password Function for parameter setting protection of critical components
- RoHS compliant
- 10 year maintenance free design



5 YEAR WARRANTY

IP20 Open Chassis			List Price	Dimensions in inches			Weight
HP	Amps	Model Number		Height	Width	Depth	
1-Phase 100~120VAC Input / 3-Phase 200-240VAC Output							
1/8	0.8	FR-D710W-008-NA	\$300	5	2.7	3.2	1.1
1/4	1.4	FR-D710W-014-NA	\$331	5	2.7	4.4	1.3
1/2	2.5	FR-D710W-025-NA	\$373	5	2.7	5.6	2.0
1	4.2	FR-D710W-042-NA	\$457	5	2.7	5.9	3.1
1-Phase 200~240VAC Input / 3-Phase 200~240VAC Output							
1/8	0.8	FR-D720S-008-NA	\$284	5	2.7	3.2	1.1
1/4	1.4	FR-D720S-014-NA	\$300	5	2.7	3.2	1.3
1/2	2.5	FR-D720S-025-NA	\$310	5	2.7	5.6	2.0
1	4.2	FR-D720S-042-NA	\$321	5	2.7	6.5	2.5
2	7	FR-D720S-070-NA	\$331	5	4.3	6.2	3.3
3	10	FR-D720S-100-NA	\$389	5.9	5.5	5.7	4.4
3-Phase 200~240VAC Input & Output							
1/8	0.8	FR-D720-008-NA	\$231	5.0	2.7	3.2	1.1
1/4	1.4	FR-D720-014-NA	\$258	5.0	2.7	3.2	1.1
1/2	2.5	FR-D720-025-NA	\$279	5.0	2.7	4.5	1.8
1	4.2	FR-D720-042-NA	\$305	5.0	2.7	5.3	2.2
2	7	FR-D720-070-NA	\$368	5.0	4.3	5.4	3.1
3	10	FR-D720-100-NA	\$415	5.0	4.3	5.4	3.1
5	16.5	FR-D720-165-NA	\$478	5.0	6.7	5.6	4.0
7-1/2	23.8	FR-D720-238-NA	\$798	5.9	8.7	6.1	8.0
10	31.8	FR-D720-318-NA	\$877	5.9	8.7	6.1	8.0
3-Phase 380~480VAC Input & Output							
1/2	1.2	FR-D740-012-NA	\$326	5.0	4.3	5.1	2.9
1	2.2	FR-D740-022-NA	\$368	5.0	4.3	5.1	2.90
2	3.6	FR-D740-036-NA	\$426	5.0	4.3	5.40	3.10
3	5	FR-D740-050-NA	\$478	5.0	4.3	6.20	3.30
5	8	FR-D740-080-NA	\$520	5.0	4.3	6.60	3.30
7-1/2	12	FR-D740-120-NA	\$846	5.0	8.70	6.10	7.30
10	16	FR-D740-160-NA	\$914	5.0	8.70	6.10	7.30

NEMA 1 CONDUIT KITS FOR D700 AND E700 DRIVES

Kit Part#	Appl. "D" Drives		Approx. Maximum Dimensions	List Price
CK-27	FR-D720S-042-NA	 <p>Bottom / Knockouts</p>	16-1/4" H x 4-1/8" W x 7-1/2" D	\$164
	FR-D720-042-NA			
CK-43-S	FR-D720-070-NA		16-1/4" H x 5-7/8" W x 7-1/2" D	\$164
	FR-D720-100-NA			
	FR-D740-012-NA			
	FR-D740-022-NA			
	FR-D740-036-NA			
CK-43-T	FR-D710W-042-NA		16-1/4" H x 5-7/8" W x 7-1/2" D	\$164
	FR-D720S-070-NA			
	FR-D740-050-NA			
	FR-D740-080-NA			
CK-5567	FR-D720S-100-NA		16-3/8" H x 8-1/4" W x 7" D	\$164
	FR-D720-165-NA			
CK-87	FR-D720-238-NA	16-1/4" H x 10-1/4" W x 7-1/2" D	\$164	
	FR-D720-318-NA			
	FR-D740-120-NA			
	FR-D740-160-NA			

DYNAMIC BRAKING

240VAC Dynamic Braking Resistor at 100% Braking Torque

Resistor Kit Model Number	Weight	Resistance (Ohms)	Continuous Permissible Power (W)	Motor (Hp)	Drive Model		List Price
					D710/D720	Duty Cycle	
FR-ABR-0.4K	0.5	200	60	1/2	25	10%	\$32
FR-ABR-0.75K	0.9	100	80	1	42	10%	\$42
FR-ABR-2.2K	1.1	60	120	2 & 3	070 / 100	10%	\$42
FR-ABR-3.7K	1.8	40	155	5	165	10%	\$58
FR-ABR-5.5K	2.9	25	185	7 1/2	238	10%	\$69
FR-ABR-7.5K	4.9	20	340	10	318	10%	\$121

480VAC Dynamic Braking Resistor at 100% Braking Torque

Resistor Kit Model Number	Weight	Resistance (Ohms)	Continuous Permissible Power (Watts)	Motor (Hp)	Drive Model		List Price
					D740	Duty Cycle	
FR-ABR-H0.4K	0.5	1200	45	1/2	012	10%	\$42
FR-ABR-H0.75K	0.5	700	75	1	022	10%	\$42
FR-ABR-H1.5K	0.9	350	115	2	036	10%	\$58
FR-ABR-H2.2K	1.1	250	120	3	050	10%	\$69
FR-ABR-H3.7K	1.8	150	155	5	080	10%	\$74
FR-ABR-H5.5K	2.9	110	185	8	120	10%	\$90
FR-ABR-H7.5K	4.9	75	340	10	160	10%	\$163

E700 SERIES




- Available in 240V and 480V up to 20HP
- Advanced Magnetic Flux Vector Control for improved starting torque and smooth low speed motor operation
- Auto-tuning allows improved performance using any manufacturer's motor using virtually any manufacturer's motor
- All capacities include built-in brake chopper
- USB communications allow fast commissioning and troubleshooting
- Standard RS485 serial communications supporting Modbus® RTU
- Sink / Source selectable I/O
- Built-in PID Control
- 200% overload for 3 seconds
- Standard 5 year warranty

5 YEAR WARRANTY

IP20 Open Chassis			List Price	Dimensions in inches			Weight
HP	Amps	Model Number		Height	Width	Depth	
1-Phase 100~120 Volt / 3-Phase 200~240 Volt							
1/8	0.8	FR-E710W-008-NA	\$410	5	2.7	3.2	1.1
1/4	1.5	FR-E710W-015-NA	\$447	5	2.7	4.4	1.3
1/2	3	FR-E710W-030-NA	\$478	5	2.7	4.5	2
1	5	FR-E710W-050-NA	\$609	5	6.1	6.1	7.5
1-Phase 200~240VAC Input / 3-Phase 200~240VAC Input							
1/8	0.8	FR-E720S-008-NA	\$420	5	2.7	3.2	1.1
1/4	1.5	FR-E720S-015-NA	\$473	5	2.7	3.2	1.1
1/2	3	FR-E720S-030-NA	\$499	5	2.7	6.2	1.3
1	5	FR-E720S-050-NA	\$567	5	2.7	5.4	3.1
2	8	FR-E720S-080-NA	\$615	5	4.3	6.4	3.1
3	11	FR-E720S-110-NA	\$693	5.9	5.5	6.2	4.2
3-Phase 200~240VAC Input & Output							
1/8	0.8	FR-E720-008(SC)-NA	\$315	5	2.7	3.2	1.1
1/4	1.5	FR-E720-015(SC)-NA	\$326	5	2.7	3.2	1.1
1/2	3	FR-E720-030(SC)-NA	\$347	5	2.7	4.5	1.6
1	5	FR-E720-050(SC)-NA	\$405	5	2.7	5.3	2.2
2	8	FR-E720-080(SC)-NA	\$483	5	4.3	5.4	3.1
3	11	FR-E720-110(SC)-NA	\$567	5	4.3	5.4	3.1
5	17.5	FR-E720-175(SC)-NA	\$735	5	6.7	5.7	3.8
7 1/2	24	FR-E720-240(SC)-NA	\$972	10	7.1	6.5	9.5
10	33	FR-E720-330(SC)-NA	\$1,287	10	7.1	6.5	9.5
15	47	FR-E720-470(SC)-NA	\$1,560	10	8.7	7.5	19
20	60	FR-E720-600(SC)-NA	\$1,964	10	8.7	7.5	19
3-Phase 380~480VAC Input & Output							
1/2	1.6	FR-E740-016(SC)-NA	\$441	5.9	5.5	4.5	3.1
1	2.6	FR-E740-026(SC)-NA	\$510				
2	4	FR-E740-040(SC)-NA	\$604				
3	6	FR-E740-060(SC)-NA	\$693	5.9	5.5	5.4	4.2
5	9.5	FR-E740-095(SC)-NA	\$835				
7 1/2	12	FR-E740-120(SC)-NA	\$1,045	5.9	8.7	5.8	7.1
10	17	FR-E740-170(SC)-NA	\$1,276				
15	23	FR-E740-230(SC)-NA	\$1,602				
20	30	FR-E740-300(SC)-NA	\$1,843	10.3	8.7	7.5	19.9

NEMA 1 CONDUIT KITS FOR D700 AND E700 DRIVES

Kit Part#	Appl. "D" Drives	Appl. "E" Drives	Approx. Maximum Dimensions	List Price	
CK-27	 <p>Bottom / Knockouts</p>	FR-E720S-030-NA	16-1/4" H x 4-1/8" W x 7-1/2" D	\$164	
		FR-E720-050SC-NA			
CK-43-S		FR-E720S-050-NA	16-1/4" H x 5-7/8" W x 7-1/2" D	\$164	
		FR-E720-080SC-NA			
		FR-E720-110SC-NA			
CK-43-T		FR-E720S-080-NA	16-1/4" H x 5-7/8" W x 7-1/2" D	\$164	
		FR-E710W-050-NA			
CK-5567			FR-E720S-110-NA*	16-3/8" H x 8-1/4" W x 7" D	\$164
			FR-E720-175SC-NA		
			FR-E740-026SC-NA		
			FR-E740-040SC-NA		
			FR-E740-060SC-NA		
			FR-E740-095SC-NA		
CK-87		FR-E740-120SC-NA	16-1/4" H x 10-1/4" W x 7-1/2" D	\$164	
		FR-E740-170SC-NA			

DYNAMIC BRAKING

240VAC Dynamic Braking Resistor at 100% Braking Torque

Resistor Kit Model Number	Weight	Resistance (Ohms)	**Power (W)	Motor (Hp)	Drive Model		List Price
					E720	Duty Cycle	
FR-ABR-0.4K	0.5	200	80	1/2	30	10%	\$32
FR-ABR-0.75K	0.9	100	150	1	50	10%	\$42
FR-ABR-2.2K	1.1	60	250	3	080/110	10%	\$42
FR-ABR-3.7K	1.8	40	300	5	175	10%	\$58
FR-ABR-5.5K	2.9	25	500	7 1/2	240	10%	\$69
FR-ABR-7.5K	4.9	20	800	10	330	10%	\$121
FR-ABR-11K	7.5	13	—	15	470	6%	\$174
*FR-ABR-15K	5.3 x 2 pcs	18	—	20	600	6%	\$216

Dynamic Braking Unit For 460-480VAC Braking Torque = 100%

Resistor Kit Model Number	Weight	Resistance (Ohms)	**Power (W)	Motor (Hp)	Drive Model		List Price
					E740	% ED	
FR-ABR-H0.4K	0.5	1200	60	0.5	16	10%	\$42
FR-ABR-H0.75K	0.5	700	80	1	26	10%	\$42
FR-ABR-H1.5K	0.9	350	150	2	40	10%	\$58
FR-ABR-H2.2K	1.1	250	250	3	60	10%	\$69
FR-ABR-H3.7K	1.8	150	300	5	95	10%	\$74
FR-ABR-H5.5K	2.9	110	500	8	120	10%	\$90
FR-ABR-H7.5K	4.9	75	800	10	170	10%	\$163
FR-ABR-H11K	7.1	52	1000	15	230	6%	\$252
*FR-ABR-H15K	5.3 x 2 pcs	18	1600	20	30	6%	\$321

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.

Standard USB port - for simple set-up using a memory stick

Real-time clock - Enables time stamping of trip messages for easy diagnostics

'Load Detection' system - Detects broken drive belts and other mechanical problems

Anti-Windmill function - avoids costly damage to drive and motor by smoothly controlling loads which are already spinning before start-up

The FR-F800 learns the exact characteristics of any load and speedily detects the unexpected, such as:

Broken fan drive belt Motor bearing damage Clogged pipes

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 I S
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 Starting** Loads, choose Constant Torque next HP Size Up. Rock Crushers, Augers that may get jammed.

FR-F800 ~ 480V



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.

- Standard USB port - for simple set-up using a memory stick
- Real-time clock - Enables time stamping of trip messages for easy diagnostics
- 'Load Detection' system - Detects broken drive belts and other mechanical problems
- Anti-Windmill function - avoids costly damage to drive and motor by smoothly controlling loads which
- The FR-F800 learns the exact characteristics of any load and speedily detects the unexpected, such as:
 - Broken fan drive belt
 - Motor bearing damage
 - Clogged pipes

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

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.

RATINGS FOR SINGLE PHASE INPUT ON F800 DRIVES



UL and cUL Listed, Single Phase Input / Three Phase Output current ratings as shown in Tables 1 and 2.

F800 RATINGS 230 VAC CLASS						
Model Number	HP	FLA Motor	H	W	D	List Price
FR-F820-00046-E3N6	0.25	2.5	12.2	4.33	4.39	\$919.00
FR-F820-00077-E3N6	0.75	4.2	12.2	4.33	4.98	\$1,018.00
FR-F820-00105-E3N6	1	5.8	12.52	5.91	5.57	\$1,081.00
FR-F820-00167-E3N6	2	9.1	12.52	5.91	5.57	\$1,180.00
FR-F820-00250-E3N6	3	13.8	12.52	5.91	5.57	\$1,350.00
FR-F820-00340-E3N6	5	18.6	12.76	8.66	6.69	\$1,605.00
FR-F820-00490-E3N6	7.5	27.0	12.76	8.66	6.69	\$1,792.00
FR-F820-00630-E3N6	10	34.8	14.29	8.66	7.48	\$2,218.00
FR-F820-00770-E3N6	15	42.3	20.37	9.84	7.48	\$2,847.00
FR-F820-00930-E3N6	15	51.0	20.37	9.84	7.48	\$2,972.00
FR-F820-01250-E3N6	25	68.4	20.37	9.84	7.48	\$3,282.00
FR-F820-01540-E360	30	84.0	21.67	12.8	7.68	\$4,209.00
FR-F820-01870-E360	40	102.0	21.67	17.13	9.84	\$6,767.00
FR-F820-02330-E360	50	127.2	21.67	17.13	9.84	\$8,938.00
FR-F820-03160-E360	60	172.8	27.56	18.31	9.84	\$14,945.00
FR-F820-03800-E360	75	207.6	29.13	18.31	14.17	\$16,650.00

F800 RATINGS 480 VAC CLASS						
Model Number	HP	FLA Motor	H	W	D	List Price
FR-F840-00023-E3N6	0.25	1.3	12.52	5.91	5.57	\$978.00
FR-F840-00038-E3N6	0.5	2.1	12.52	5.91	5.57	\$1,098.00
FR-F840-00052-E3N6	1	2.9	12.52	5.91	5.57	\$1,156.00
FR-F840-00083-E3N6	2	4.6	12.52	5.91	5.57	\$1,274.00
FR-F840-00126-E3N6	3	6.9	12.52	5.91	5.57	\$1,519.00
FR-F840-00170-E3N6	5	9.6	12.76	8.66	6.69	\$1,740.00
FR-F840-00250-E3N6	7.5	13.8	12.76	8.66	6.69	\$1,870.00
FR-F840-00310-E3N6	10	17.4	14.29	8.66	7.48	\$2,185.00
FR-F840-00380-E3N6	15	21.0	14.29	8.66	7.48	\$2,913.00
FR-F840-00470-E3N6	15	25.8	20.37	9.84	7.48	\$3,445.00
FR-F840-00620-E3N6	25	34.2	20.37	9.84	7.48	\$4,243.00
FR-F840-00770-E360	30	42.0	21.67	12.8	7.68	\$5,076.00
FR-F840-00930-E360	40	51.0	21.67	17.13	9.84	\$6,827.00
FR-F840-01160-E360	50	63.6	21.67	17.13	9.84	\$7,889.00
FR-F840-01800-E360	60	86.4	21.67	17.13	9.84	\$9,112.00
FR-F840-02160-E3U6	75	108.0	24.41	18.31	11.81	\$11,799.00
FR-F840-02600-E3U6	100	129.6	24.41	18.31	11.81	\$13,324.00
FR-F840-03250-E3U6	125	156.0	29.13	18.31	14.17	\$14,202.00
FR-F840-03610-E3U6	150	195.0	29.13	18.31	14.17	\$16,545.00
FR-F840-04320-E3U6	150	216.6	39.76	19.61	14.96	\$18,411.00
FR-F840-04810-E3U6	200	259.2	39.76	19.61	14.96	\$20,078.00
FR-F840-05470-E3U6	200	288.6	39.76	26.77	14.96	\$22,783.00
FR-F840-06100-E3U6	250	328.2	39.76	26.77	14.96	\$29,266.00
FR-F840-06830-E3U6	300	366.0	39.76	26.77	14.96	\$32,046.00

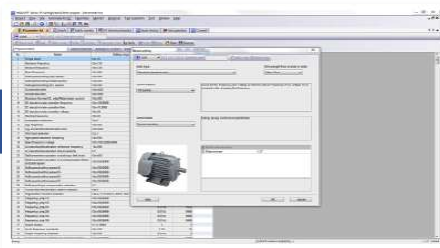
D700 Single Phase Input

Rating (CT & VT)		IP20 Open Chassis	List Price	Dimensions in inches (mm)			Weight Lbs (kg)
HP	Rated Amps	Model Number		Height	Width	Depth	
1-Phase 100~120VAC Input / 3-Phase 200~240VAC Output							
1/8	0.8	FR-D710W-008-NA	\$300	5	2.7	3.2	1.1
1/4	1.4	FR-D710W-014-NA	\$331	5	2.7	4.4	1.3
1/2	2.5	FR-D710W-025-NA	\$373	5	2.7	5.6	2.0
1	4.2	FR-D710W-042-NA	\$457	5	2.7	5.9	3.1
1-Phase 200~240VAC Input / 3-Phase 200~240VAC Output							
1/8	0.8	FR-D720S-008-NA	\$284	5	2.7	3.2	1.1
1/4	1.4	FR-D720S-014-NA	\$300	5	2.7	3.2	1.3
1/2	2.5	FR-D720S-025-NA	\$310	5	2.7	5.6	2.0
1	4.2	FR-D720S-042-NA	\$321	5	2.7	6.5	2.5
2	7	FR-D720S-070-NA	\$331	5	4.3	6.2	3.3
3	10	FR-D720S-100-NA	\$389	5.9	5.5	5.7	4.4

F800 SERIES OPTIONS AND ACCESSORIES



Model Number	Description	Comments	List Price
A8NC-CON	Cc-Link Communications Card And Connectors	Includes FR-A8NC and 2 x A6NC-CON plugs	306.00
A8NDPV1	Profibus Dpv1 Communications Card		320.00
A8NEIP-2P	Ethernet Ip Communications Card		320.00
A8NETH-2P	800 Series VFD Dual Port Ethernet Card		598.00
A8NPRT-2P	Profinet Communications Card		320.00
A8N-XLT	Rs485 Option Card (Fln, N2, Modbus Rtu)		368.00
FR-A8AC	120V Input Card	Use 120V signals to control the drive	268.00
FR-A8AL	A800-Orientation /Encoder Control Card		483.00
FR-A8AN	4-20 Ma I/O Card 800 Series		426.00
FR-A8AP	A800 Encoder Feedback Option		185.00
FR-A8APR	Resolver Interface / Orientation Card		461.00
FR-A8APS	Absolute Position Encoder Card For A800		463.00
FR-A8AR	Relay Output Card	3 extra independent type 'C' relays	155.00
FR-A8AX	16 Bit Digital Input Card	BCD or Binary input	155.00
FR-A8AY	Digital Output / Extended Analog Output Card	2 extra 0-20 mA or 0-10V output signals	155.00
FR-A8AZ	Hi Res. Analog / Thermistor Input Card		300.00
FR-A8NC	Cc-Link Communications Card		294.00
FR-A8NCA	800 Series Can-Open Comms Option Card		410.00
FR-A8NCE	Cc-Link Ie Communications Card		658.00
FR-A8NCN	Controlnet Communications Card		1,600.00
FR-A8ND	F/A800 Option Devicenet		462.00
FR-A8ND	F/A800 Option Devicenet	DeviceNet Communications Card	462.00
FR-A8NF	A800 Series FI-Net Comm. Option Card		441.00
FR-A8NP	A800 Option - Profibus	Profibus DPV0 Communications Card	294.00
FR-A8NX	12 Bit Digital Input Card		155.00
FR-A8TAT	Control Terminal Block Adaptor	Use A500 or A700 terminal block with A800	188.00
FR-A8TP	Encoder Terminal Interface For A800		497.00
FR-A8TR	Screw Terminal Block Option	Screw terminal block adaptor (use with FR-ATAT)	335.00
FR-AAT24	Model Adaptor Plate		121.00
FR-ADP	Sub-Assy: Rj-45 Con For Fr-E5P	Connect FR-DU08 or FR-LU08 to FR-CB2	21.00
FR-CB201	Parameter Cable 1M	Parameter Unit Connection Cable	42.00
FR-CB203	Parameter Cable 3M	Parameter Unit Connection Cable	48.00
FR-CB205	Parameter Cable 5M	Parameter Unit Connection Cable	74.00
FR-CONFIGURATOR2	800 Series VFD Setup Software	Software Setup Utility For 800 Series	380.00
FR-DU07	A/F700 Control Panel		90.00
FR-DU08	A/F800 Control Panel		90.00
FR-LU08	Liquid Crystal Operation Panel (Alphanumeric)	Mount on VFD or panel	100.00
FR-PA07	Panel Mount Keypad For E700 Series		74.00
FR-PU07	Parameter Unit	Mount on panel only	100.00
FR-PU07-01	Parameter Unit (Hvac Type)	Modified version for HVAC applications	100.00
FR-PU07BB-L	Parameter Unit With Battery Back-Up	Hand held. Can program unpowered drives	294.00
VFD-ETH-ADP	VFD Serial Port To Ethernet Adaptor		67.00
VFD-ETH-ADP-EKIT	VFD Serial Port To Ethernet Adaptor		149.00



LINE REACTORS

HARMONICS PROTECTION



3% - 230V - OPEN TYPE

HP	AMPS	PN	List Price	Dimensions H x W x D	LBS
0.5	3	KDRA54L	\$99.00	4 x 4 x 4	4
0.75	4.2	KDRA53L	\$108.00	4 x 4 x 4	4
1	5.5	KDRA25L	\$110.00	4 x 4 x 4	4
1.5	8	KDRA26L	\$115.00	4 x 4 x 4	4
2	10	KDRA27L	\$117.00	4 x 4 x 4	4
3	12	KDRA28L	\$137.00	4 x 4 x 4	4
5	19	KDRB22L	\$181.00	5 x 6 x 4	8
7.5	25	KDRB23L	\$188.00	5 x 6 x 4	8
10	34	KDRD25L	\$213.00	6 x 7 x 4	12
15	48	KDRD24L	\$264.00	6 x 7 x 4	12
20	62	KDRD26L	\$280.00	6 x 7 x 4	12
25	80	KDRC22L	\$375.00	6 x 7 x 5	15
30	100	KDRF24L	\$382.00	7 x 9 x 6	30
40	118	KDRF25L	\$567.00	7 x 9 x 6	30
50	152	KDRF26L	\$665.00	7 x 9 x 6	30
60	180	KDRH22L	\$777.00	9 x 11 x 7	45
75	211	KDRI23L	\$792.00	9 x 11 x 7	50
100	280	KDRI24L	\$886.00	9 x 11 x 7	50
125	377	KDRG22L	\$1,160.00	9 x 11 x 8	65
150	420	KDRJ23L	\$1,186.00	9 x 11 x 9	70
200	534	KDRJ24L	\$1,431.00	9 x 11 x 9	70

3% - 230V - NEMA 1

HP	AMPS	PN	List Price	Dimensions H x W x D	LBS
0.5	3	KDRA54LC1	\$226.00	7 x 8 x 6	8
0.75	4.2	KDRA53LC1	\$236.00	7 x 8 x 6	8
1	5.5	KDRA25LC1	\$238.00	7 x 8 x 6	8
1.5	8	KDRA26LC1	\$243.00	7 x 8 x 6	8
2	10	KDRA27LC1	\$245.00	7 x 8 x 6	8
3	12	KDRA28LC1	\$264.00	7 x 8 x 6	8
5	19	KDRB22LC1	\$309.00	7 x 8 x 6	12
7.5	25	KDRB23LC2	\$342.00	8 x 10 x 7	14
10	34	KDRD25LC2	\$367.00	8 x 10 x 7	18
15	48	KDRD24LC2	\$416.00	8 x 10 x 7	18
20	62	KDRD26LC2	\$434.00	8 x 10 x 7	18
25	80	KDRC22LC2	\$527.00	8 x 10 x 7	21
30	100	KDRF24LC4	\$746.00	16 x 15 x 13	65
40	118	KDRF25LC4	\$930.00	16 x 15 x 13	65
50	152	KDRF26LC4	\$1,030.00	16 x 15 x 13	65
60	180	KDRH22LC4	\$1,142.00	16 x 15 x 13	80
75	211	KDRI23LC4	\$1,156.00	16 x 15 x 13	85
100	280	KDRI24LC4	\$1,250.00	16 x 15 x 13	85
125	377	KDRG22LC4	\$1,524.00	16 x 15 x 13	100
150	420	KDRJ23LC5	\$1,672.00	19 x 20 x 16	120
200	534	KDRJ24LC5	\$1,918.00	19 x 20 x 16	120

3% - 480V - OPEN TYPE

HP	AMPS	PN	List Price	Dimensions H x W x D	LBS
0.5	1.5	KDRA6L	\$101.00	4 x 4 x 4	4
0.75	1.6	KDRA7L	\$106.00	4 x 4 x 4	4
1	2.1	KDRA8L	\$108.00	4 x 4 x 4	4
1.5	3	KDRA9L	\$109.00	4 x 4 x 4	4
2	6.4	KDRA1L	\$115.00	4 x 4 x 4	4
3	6	KDRA2L	\$126.00	4 x 4 x 4	4
5	9.6	KDRA3L	\$132.00	4 x 4 x 4	4
7.5	14	KDRA4L	\$147.00	4 x 4 x 4	4
10	14	KDRA5L	\$185.00	4 x 4 x 4	5
15	30	KDRB2L	\$218.00	5 x 6 x 4	8
20	30	KDRB1L	\$241.00	5 x 6 x 4	8
25	50	KDRD1L	\$253.00	6 x 7 x 4	10
30	45	KDRD2L	\$321.00	6 x 7 x 4	10
40	55	KDRC1L	\$354.00	6 x 7 x 5	15
50	65	KDRF2L	\$414.00	7 x 9 x 6	25
60	77	KDRF4L	\$427.00	7 x 9 x 6	25
75	110	KDRF3L	\$569.00	7 x 9 x 6	30
100	150	KDRH3L	\$658.00	9 x 11 x 7	40
125	165	KDRH2L	\$813.00	9 x 11 x 7	40
150	185	KDRH1L	\$954.00	9 x 11 x 7	40
200	240	KDRG3L	\$1,211.00	9 x 11 x 8	65
250	340	KDRG1L	\$1,334.00	9 x 11 x 8	65
300	370	KDRG2L	\$1,364.00	9 x 11 x 8	65
350	500	KDRJ2L	\$1,580.00	9 x 11 x 9	70
400	520	KDRJ1L	\$1,744.00	9 x 11 x 9	70
450	610	KDRL1L	\$2,021.00	11 x 15 x 10	110
500	610	KDRL2L	\$3,070.00	11 x 15 x 10	110
600	750	KDRL3L	\$3,889.00	11 x 15 x 10	155

3% - 480V - NEMA 1

HP	AMPS	PN	List Price	Dimensions H x W x D	LBS
0.5	1.5	KDRA6LC1	\$228.00	7 x 8 x 6	8
0.75	1.6	KDRA7LC1	\$235.00	7 x 8 x 6	8
1	2.1	KDRA8LC1	\$237.00	7 x 8 x 6	8
1.5	3	KDRA9LC1	\$238.00	7 x 8 x 6	8
2	6.4	KDRA1LC1	\$243.00	7 x 8 x 6	8
3	6	KDRA2LC1	\$253.00	7 x 8 x 6	8
5	9.6	KDRA3LC1	\$260.00	7 x 8 x 6	8
7.5	14	KDRA4LC1	\$275.00	7 x 8 x 6	8
10	14	KDRA5LC1	\$313.00	7 x 8 x 6	9
15	30	KDRB1LC1	\$345.00	7 x 8 x 6	12
20	30	KDRB1LC1	\$370.00	7 x 8 x 6	12
25	50	KDRD1LC2	\$407.00	8 x 10 x 7	14
30	45	KDRD2LC2	\$474.00	8 x 10 x 7	16
40	55	KDRC1LC2	\$508.00	8 x 10 x 7	21
50	65	KDRF2LC3	\$631.00	9 x 12 x 8	37
60	77	KDRF4LC3	\$645.00	9 x 12 x 8	37
75	110	KDRF3LC4	\$932.00	16 x 15 x 13	65
100	150	KDRH3LC4	\$1,023.00	16 x 15 x 13	75
125	165	KDRH2LC4	\$1,177.00	16 x 15 x 13	75
150	185	KDRH1LC4	\$1,317.00	16 x 15 x 13	75
200	240	KDRG3LC4	\$1,576.00	16 x 15 x 13	100
250	340	KDRG1LC4	\$1,697.00	16 x 15 x 13	100
300	370	KDRG2LC4	\$1,728.00	16 x 15 x 13	100
350	500	KDRJ2LC5	\$2,065.00	19 x 20 x 16	120
400	520	KDRJ1LC5	\$2,229.00	19 x 20 x 16	120
450	610	KDRL1LC5	\$2,507.00	19 x 20 x 16	160
500	610	KDRL2LC5	\$3,557.00	19 x 20 x 16	160
600	750	KDRL3LC5	\$4,375.00	19 x 20 x 16	205

3% - 480V - OPEN TYPE

HP	AMPS	PN	List Price	Dimensions H x W x D	LBS
0.33	1.5	KDRA6L	\$101.00	4 x 4 x 4	4
0.5	1.6	KDRA7L	\$106.00	4 x 4 x 4	4
0.75	2.1	KDRA8L	\$108.00	4 x 4 x 4	4
1	3	KDRA9L	\$109.00	4 x 4 x 4	4
1.5	6.4	KDRA1L	\$115.00	4 x 4 x 4	4
2	6	KDRA2L	\$126.00	4 x 4 x 4	4
3	9.6	KDRA3L	\$132.00	4 x 4 x 4	4
5	14	KDRA4L	\$147.00	4 x 4 x 4	4
7.5	14	KDRA5L	\$185.00	4 x 4 x 4	5
10	30	KDRB2L	\$218.00	5 x 6 x 4	8
15	30	KDRB1L	\$241.00	5 x 6 x 4	8
20	50	KDRD1L	\$253.00	6 x 7 x 4	10
25	45	KDRD2L	\$321.00	6 x 7 x 4	10
30	55	KDRC1L	\$354.00	6 x 7 x 5	15
40	65	KDRF2L	\$414.00	7 x 9 x 6	25
50	77	KDRF4L	\$427.00	7 x 9 x 6	25
60	110	KDRF3L	\$569.00	7 x 9 x 6	30
75	150	KDRH3L	\$658.00	9 x 11 x 7	40
100	165	KDRH2L	\$813.00	9 x 11 x 7	40
125	185	KDRH1L	\$954.00	9 x 11 x 7	40
150	240	KDRG3L	\$1,211.00	9 x 11 x 8	65
200	340	KDRG1L	\$1,334.00	9 x 11 x 8	65
250	370	KDRG2L	\$1,364.00	9 x 11 x 8	65
300	500	KDRJ2L	\$1,580.00	9 x 11 x 9	70
350	520	KDRJ1L	\$1,744.00	9 x 11 x 9	70
400	610	KDRL1L	\$2,021.00	11 x 15 x 10	110
450	610	KDRL2L	\$3,070.00	11 x 15 x 10	110
500	750	KDRL3L	\$3,889.00	11 x 15 x 10	155

3% - 480V - NEMA 1

HP	AMPS	PN	List Price	Dimensions H x W x D	LBS
0.5	1.5	KDRA6LC1	\$228.00	7 x 8 x 6	8
0.75	1.6	KDRA7LC1	\$235.00	7 x 8 x 6	8
1	2.1	KDRA8LC1	\$237.00	7 x 8 x 6	8
1.5	3	KDRA9LC1	\$238.00	7 x 8 x 6	8
2	6.4	KDRA1LC1	\$243.00	7 x 8 x 6	8
3	6	KDRA2LC1	\$253.00	7 x 8 x 6	8
5	9.6	KDRA3LC1	\$260.00	7 x 8 x 6	8
7.5	14	KDRA4LC1	\$275.00	7 x 8 x 6	8
10	14	KDRA5LC1	\$313.00	7 x 8 x 6	9
15	30	KDRB2LC1	\$345.00	7 x 8 x 6	12
20	30	KDRB1LC1	\$370.00	7 x 8 x 6	12
25	50	KDRD1LC2	\$407.00	8 x 10 x 7	14
30	45	KDRD2LC2	\$474.00	8 x 10 x 7	16
40	55	KDRC1LC2	\$508.00	8 x 10 x 7	21
50	65	KDRF2LC3	\$631.00	9 x 12 x 8	37
60	77	KDRF4LC3	\$645.00	9 x 12 x 8	37
75	110	KDRF3LC4	\$932.00	16 x 15 x 13	65
100	150	KDRH3LC4	\$1,023.00	16 x 15 x 13	75
125	165	KDRH2LC4	\$1,177.00	16 x 15 x 13	75
150	185	KDRH1LC4	\$1,317.00	16 x 15 x 13	75
200	240	KDRG3LC4	\$1,576.00	16 x 15 x 13	100
250	340	KDRG1LC4	\$1,697.00	16 x 15 x 13	100
300	370	KDRG2LC4	\$1,728.00	16 x 15 x 13	100
350	500	KDRJ2LC5	\$2,065.00	19 x 20 x 16	120
400	520	KDRJ1LC5	\$2,229.00	19 x 20 x 16	120
450	610	KDRL1LC5	\$2,507.00	19 x 20 x 16	160
500	610	KDRL2LC5	\$3,557.00	19 x 20 x 16	160
600	750	KDRL3LC5	\$4,375.00	19 x 20 x 16	205

Load Reactors are the same as Line Reactors except oversized for the output of VFD.

KDR Output Load Reactor

Optimized Load Reactors



Extend the Life of the Motor on the Output

- Dampen Overshoot Peak Voltage
- Reduce Motor Heating
- Reduce Audible Noise
- RoHS Compliant

Dampen Overshoot Peak Voltage

KDR Optimized Drive Reactors may be used at the output of AC-PWM variable frequency drives where the motor lead lengths are less than 100 feet. The addition of a KDR unit to the output of a drive will dampen overshoot peak voltage, reduce motor heating and audible noise, helping to extend the life of the motor.

EMI/RFI FILTERS

The KRF EMI Filter Limits High Frequency Noise

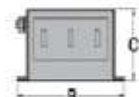
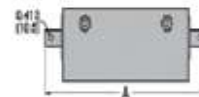
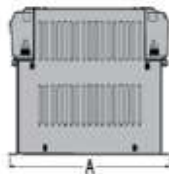
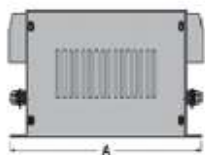
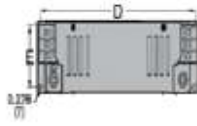
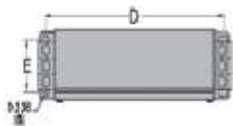
Reduces interference - Protects sensitive equipment - Eliminates drive cross-talk
Meets FCC Regulation 15, Subpart J

Model No.	Amps	208V with Line Reactor	208V No Reactor	240V with Line Reactor	240V No Reactor	480V with Line Reactor	480V No Reactor	List Price
RF3-0006-4	6	1/1.5	1	1/1.5	1	3	2	\$305
RF3-0010-4	10	2	2	43134	1.5/2	5	3	\$410
RF3-0018-4	18	3	2	5	3	7.5/10	8	\$431
RF3-0025-4	25	7.5	5	7.5	5	15	10	\$415
RF3-0033-4	33	10	7.5	10	7.5	20	15	\$515
RF3-0050-4	50	15	10	15	10	25/30	20/25	\$635
RF3-0070-4	70	20	15	20	15	40/50	30	\$798
RF3-0090-4	90	25	20	25/30	20	60	40/50	\$824
RF3-0130-4	130	30/40	25/30	40	25/30	75/100	60	\$1,249
RF3-0150-4	150	50	/	50	40	100	75	\$1,779
RF3-0330-4	330	60/100	40/75	60/125	50/100	125/250	100/200	\$4,779



RFI FILTER ELECTRICAL DATA

Model No.	Heat Dissipation in Watts	Leakage Current mA	Fig.	A	B	C	D	E	Weight (lb.)
RF3-0006-4	3.5	1.5	A	7	1.8	3.1	6.57	1.26	1.4
RF3-0010-4	4.2	1.4	A	7	1.8	3.1	6.57	1.26	1.5
RF3-0018-4	11	1.5	A	9	2.2	4.5	8.54	1.65	2.4
RF3-0025-4	11	2.8	A	9	2.2	4.5	8.54	1.65	2.9
RF3-0033-4	16	3.7	B	10.7	2.9	6.3	10.16	2.36	6
RF3-0050-4	16	4.8	B	12.3	3.7	7.5	11.73	3.11	8.2
RF3-0070-4	19	4.4	B	12.3	3.7	7.5	11.73	3.11	9.3
RF3-0090-4	18	6.4	B	12.6	5	8.8	11.73	4.41	13.5
RF3-0130-4	25	8.6	B	12.6	5	8.8	11.73	4.41	13.5
RF3-0150-4	28	9.8	B	13.1	5	8.8	11.73	4.41	19.6
RF3-0330-4	40	6	C	15.2	10.2	4.6	4.72	9.25	24.3



EMX4i SOFT-START - CHASSIS W/ INTEGRATED BYPASS CONTACTOR



Take control from the start

The EMX4i is a comprehensive motor management system for the most demanding soft starting and stopping applications. With an impressive range of features, the EMX4 delivers superior performance and an unprecedented level of flexibility in a compact and user-friendly package.

The EMX4 doesn't just start and stop your machinery with constant current and current ramp, it also features the innovative XLR-8 Adaptive Acceleration Control. XLR-8 gives you the ability to precisely manage your starting and stopping acceleration, reducing downtime and addressing water hammer problems.

AuCom

PN	Amps	STANDARD DUTY		HEAVY DUTY		List	DIMENSIONS			Lbs
		HP@240V	HP@480V	HP@240V	HP@480V		H	W	D	
EMX4i-0024B-V5-C1-H	24	7.5	10	7.5	10	\$1,300.00	11.6	6.2	7.6	9.3
EMX4i-0042B-V5-C1-H	42	15	20	10	15	\$1,325.00	11.6	6.2	7.6	9.3
EMX4i-0052B-V5-C1-H	52	20	40	15	20	\$1,350.00	11.6	6.2	7.6	9.3
EMX4i-0064B-V5-C1-H	64	20	40	15	30	\$1,395.00	11.6	6.2	7.6	9.3
EMX4i-0069B-V5-C1-H	69	25	50	20	30	\$1,458.00	11.6	6.2	8.8	9.9
EMX4i-0105B-V5-C1-H	105	30	60	25	40	\$1,790.00	11.6	6.2	8.8	10
EMX4i-0115B-V5-C1-H	115	40	70	30	50	\$2,002.00	11.6	6.2	8.8	10
EMX4i-0135B-V5-C1-H	135	40	75	30	60	\$2,225.00	11.6	6.2	8.8	10
EMX4i-0184B-V5-C1-H	184	50	100	40	75	\$2,510.00	17.2	11.1	9.8	30.9
EMX4i-0200B-V5-C1-H	200	60	125	50	75	\$2,630.00	17.2	11.1	9.8	31.3
EMX4i-0229B-V5-C1-H	229	60	125	60	100	\$2,900.00	17.2	11.1	9.8	33.1
EMX4i-0250B-V5-C1-H	250	75	150	75	125	\$3,878.00	17.2	11.1	9.8	33.1
EMX4i-0325B-V5-C1-H	325	75	200	75	150	\$4,331.00	17.3	16.7	11.7	57.3
EMX4i-0397B-V5-C1-H	397	100	250	100	150	\$4,815.00	17.3	16.7	11.7	64.8
EMX4i-0410B-V5-C1-H	410	150	300	150	250	\$5,589.00	17.3	16.7	11.7	64.8
EMX4i-0550B-V5-C1-H	550		350		250	\$6,090.00	25.2	16.9	11.7	110.2
EMX4i-0580B-V5-C1-H	580		400		300	\$6,689.00	25.2	16.9	11.7	110.2
EMX3-0700B-V7-C1-H	700		400		400	\$6,689.00	25.2	16.9	11.7	140
EMX3-0820B-V7-C1-H	820		500		500	\$7,972.00	25.2	16.9	11.7	140
EMX3-0920B-V7-C1-H	920		700		700	\$8,990.00	25.2	16.9	11.7	141.1
EMX3-1000B-V7-C1-H	1000		800		800	\$9,160.00	25.2	16.9	11.7	141.1
EMX3-1200C-V7-C1-H	1200		900		900	\$12,299.00	29.5	22.6	14.2	283.2
EMX3-1410C-V7-C1-H	1410		1000		1000	\$14,990.00	29.5	22.6	14.2	286.6

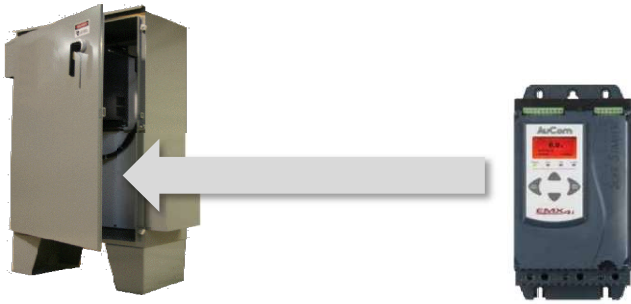
Like its predecessor, the EMX4 Soft Starter sets new standards for soft start technology.

EMX4 is not only smaller, more powerful and packed with new control and protection features, it also introduces the game-changing Smart Card capability. Fitting a Smart Card to the EMX4 transforms it from super smart motor controller to complete system controller.

This is truly a starter for the future.



EMX4i SOFT-START - NEMA 12



NEMA 12 nNon-Ventilated Enclosure
 EMX4i SOFT-START w/ INTEGRATED BYPASS
 CIRCUIT BREAKER DISCONNECT
 HAND/OFF/AUTO
 START/STOP OPERATORS
 UL APPROVED PANEL



PN	Amps	STANDARD DUTY		HEAVY DUTY		List	DIMENSIONS			
		HP@240V	HP@480V	HP@240V	HP@480V		H	W	D	Lbs
SS3C4V020H-	23	7.5	20	10	15	\$4,085.00	30	24	12	90
SS3C4V025H-	43	10	25	15	20	\$4,159.00	30	24	12	90
SS3C4V030H-	50	15	30	15	25	\$4,186.00	30	24	12	90
SS3C4V040H-	53	20	40	20	30	\$4,201.00	30	24	12	90
SS3C4V050H-	76	25	50	25	40	\$4,919.00	30	24	12	90
SS3C4V060H-	97	30	60	30	50	\$5,491.00	30	24	12	90
SS3C4V075H-	100	40	75	30	60	\$6,063.00	30	24	12	90
SS3C4V100H-	105	50	100	40	75	\$6,750.00	36	30	16	140
SS3C4V125H-	145	60	125	50	100	\$7,322.00	36	30	16	140
SS3C4V150H-	170	75	150	60	125	\$8,237.00	36	30	16	140
SS3C4V200H-	200	100	200	75	150	\$9,667.00	36	30	16	140
SS3C4V250H-	220	125	250	75	200	\$10,613.00	48	36	16	190
SS3C4V300H-	255	150	300	100	250	\$11,097.00	48	36	16	190
SS3C4V350H-	350	200	350	150	300	\$11,417.00	48	36	16	240
SS3C4V400H-	425	250	400		350	\$12,895.00	48	36	16	240
SS3C4V450H-	500	300	450		400	\$14,300.00	Consult Factory			
SS3C4V500H-	580	350	500		450	\$18,190.00				
SS3C4V600H-	700		600		500	\$20,992.00				
SS3C4V700H-	820		700		600	\$23,166.00				

Larger Sizes Available - Please Consult us for these.

FOR 230V ADD A "2" TO THE END OF THE PART NUMBER. FOR 480V ADD A "4" TO THE END OF THE PART NUMBER.

Like its predecessor, the EMX4 Soft Starter sets new standards for soft start technology.

EMX4 is not only smaller, more powerful and packed with new control and protection features, it also introduces the game-changing Smart Card capability. Fitting a Smart Card to the EMX4 transforms it from super smart motor controller to complete system controller.

This is truly a starter for the future.



Other Things We Have

This catalog is a quick reference to the most common products we sell and is intended to make it easy to find these. For a more in depth offering, see our complete Electro Power Products Guide. Below will give you examples of what we have as additional products and addons for what's in this Price Guide.

Power Factor Correction Capacitor Banks



TOSHIBA



TOSHIBA MOTORS LOW AND MEDIUM VOLTAGE
TOSHIBA VFDs MEDIUM VOLTAGE

HIGH POWER FACTOR CONVERTER FREQROL-HC2



GREATLY SUPPRESSED POWER SUPPLY HARMONICS.
POWER REGENERATION FUNCTION FOR ENERGY SAVING.



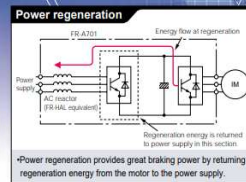
DYNAMIC
BRAKING



Inverter with built-in power regeneration function, achieving great braking capability and reduction in wiring length/space saving

The FR-A701 series, which is a high functional inverter FR-A700 series equipped with power regeneration function, achieving great braking capability is now available. This compact body inverter with variety of advanced technology attained high performance suitable for lift operation, line control, etc. It contributes to high performance of machine equipment which generate regeneration torque such as elevator, centrifugal separator, various testing machine, winding machine, etc.

REGEN DRIVES - NO HARMONICS - NO LOAD REACTOR OR
DYNAMIC BRAKING REQUIRED.



HARMONICS AND MOTOR PROTECTION



Active Harmonics
Filters



Passive Harmonics
Filters



Sine Wave
Filters

TCL



DV/DT
Filters



Electro Power has been in Business for over 30 years in the sale of VFDs, Soft-Starts, Motors, Gear Reducers and Custom Panels for all Industries. Specializing in Motors and Motor Controls has given us a greater understanding of the relationship between the two and allows us to know ahead of time the particular needs for every application. We engineer, build and program as well as provide start-up and service on everything we sell. Our availability is 24/7 to answer any questions you have and to support you in the field. Our reputation in the industry is 1st Class and we charge nothing for phone support to any of our customers.

Our Prices are Great, our quality is Top Notch and we actually know what we're doing.

ELECTRO POWER

SALES — SERVICE — ENGINEERING — START-UP

Milwaukee, Wisconsin (Main Office)

Phone 414-476-6446

Fax 414-476-6560

Western Wisconsin

Minnesota North & South Dakota

Kevin Nitek—715-579-3556
kevin@electropowerllc.com

Rick Starck—651-308-2181
rick@electropowerllc.com

Eastern Wisconsin

Florida

Tony Kirsch—262-202-4343
tony@electropowerllc.com

Don Blicke—407-751-0919
don@electropowerllc.com

24/7 Tech Support 414-476-6446 ext 1001

sales@electropowerllc.com

www.electropowerllc.com

World's Best and Most
Reliable Tech Support



AuCom



TOSHIBA