

4.2KVA – 200KVA

THREE PHASE

Model: **AFC 0**

Motor-Generator Frequency Converter
Synchronous / Sound Attenuated Enclosure

60 HZ input – 50 HZ output

Description:

Low cost, motor-generator based frequency converter with outstanding voltage and frequency regulation. Designed specifically to furnish electrical power to computers, medical and other electrical or electronic equipment. All models are comprised of a separate brushless synchronous motor & generator and are complete with automatic output voltage regulation. Total isolation of the load from the utility power and the capability to ride-through momentary power outages is standard on all models. Reduced voltage motor starter is standard on 75KVA and above. A sound attenuated enclosure is provided as standard equipment.

User Controls:

The controls have been designed to offer the most efficient operation, while providing fail-safe electrical protection. Standard user control features include:

- “Start/Stop” pushbuttons
- “Load On/Off” switch

- “Not Ready” indicator
- Output Voltage adjustment Control

Electrical Specifications:

INPUT

Voltage: Three phase, three wire plus ground. 208, 230, 460 VAC (as specified) ±10% from nominal
Frequency: 60 Hz
Power Factor: 1.0 @ full-rated load
Protection: Overload & short circuit

OUTPUT

Frequency: 50 Hz ±0.0%, with nominal input
Voltage: Three Phase 120/208, 220, 220/380, 240/415 VAC (as specified)
Voltage Regulation: ±1%
Voltage Adjustment Range: ±8%
Power Factor: Rated power @ 0.8PF
Overload Capability: 10% for 2 hours, 25% for 10 minutes
Duty: Continuous duty at full-rated load
Protection: Overload & short-circuit

Environmental Characteristics:

Temperature: Operating: 40°C (104°F)
Altitude: 3,300 feet above sea level
Humidity: 0-95% Rh, (non-condensing)
Location: Indoor
Dimensions (h x w x d):
 4.2-18KVA: 57.5” x 33” x 31.5”
 26-52KVA: 72” x 35” x 50”
 75-125 KVA: 72” x 36” x 72”
 150, 200KVA: 80” x 36” x 76”

POPULAR OPTIONS:

Output over-voltage load protection
 Output metering, V/A/Hz, Selector Switch

Other Options:

Enhanced output voltage regulation
 Output voltage reconnect switch
 Output receptacle panel
 Dual input voltage
 Reduced voltage motor starter
 Remote control/status
 Elapsed time meter
 Weather protective enclosure

MODEL RATINGS

Model	OUTPUT						INPUT			
	Capacity	Three Phase Full Load Amps					Three Phase Full Load Amps			
	KVA	KW	120/208V.	220V.	220/380V.	240/415V.	208V.	230V.	460V.	Wt(lbs)
AFC00042-◆*	4.2	3.4	12	11	6.3	5.8	15	13	7	550
AFC00058-◆*	5.8	4.6	16	15	8.8	8	20	19	9	580
AFC00084-◆*	8.4	6.7	23	22	13	12	28	26	13	900
AFC00120-◆*	12	9.6	33	31	18	16	40	36	18	970
AFC00180-◆*	18	14	50	47	27	25	61	55	28	1,380
AFC00260-◆*	26	21	72	68	39	36	82	74	37	1,550
AFC00390-◆*	39	31	108	102	59	54	118	106	53	1,825
AFC00520-◆*	52	42	144	136	79	72	164	148	74	1,900
AFC00750-◆*	75	60	208	197	114	104	216	196	98	2,000
AFC01000-◆*	90	72	250	236	137	125	254	230	125	3,500
AFC01250-◆*	125	100	347	328	190	174	---	---	157	3,800
AFC01500-◆*	150	120	416	394	228	208	---	---	189	4,800
AFC02000-◆*	200	160	555	525	304	278	---	---	247	5,600

◆ User must specify desired input characteristics at time of order. * User must specify desired output characteristics at time of order.

Specifications subject to change without notice.
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