

FREQUENCY CONVERTER



SPECIFICATIONS

The Frequency Converter 3 maintains efficient and accurate voltage and frequency regulation. Which provides superior dependability to commercial/industrial environments in a small footprint.

POWER RATING

- 10 kVA - 125 kVA three phase output unit uses the latest DSP/PWM technology to provide the most advanced performance and reliability features

INPUT

- 208, 380, 400, 415, 220, 380 or 480 VAC

OUTPUT

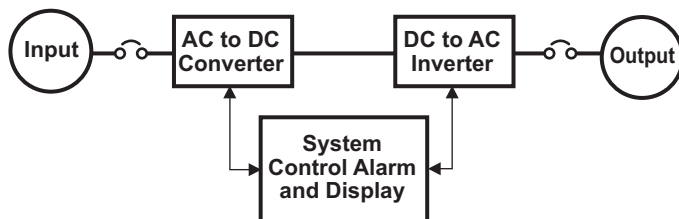
- 208VY, 380VY, 400VY, 415VY or 220VΔ, 180VΔ, 208Y/120, 380Y/220, 400Y/230, 415Y/240, 220Y/127 or 480/277

LOADS

- Sine wave output
- 7% THD at 100% linear load

CODES

- Meets NFPA 101, NFPA 70, NEC and OSHA standards
- Complies with the Buy American Act



Catalog Number	
Project	Notes
Signature	Date

10 kVA - 125 kVA

Three Phase

Harsh Environment Frequency Converter Power System



PROTECTION

- Provides overload, surge and undercurrent protection using DSP/PWM technology and DSPM Watchdog Software to protect system performance and reliability
- Surge protection against load surges as defined in ANSI/IEEE C62.45 category A and B

DIAGNOSTICS AND MAINTENANCE

- DSP/PWM technology and DSPM Watchdog Software provides complete self diagnostic capabilities and LCD Monitoring
- Informative advanced Display and Alarms keep you in control of your emergency lighting environment 24/7

NEMA 4X or 12 CABINET

- Modular design enables flexible installation
- Forced air cooling for maximum reliability
- All systems are self contained

INSTALLATION

- Modular design and small footprint allow easy installation in electrical closet or other convenient locations
- Phone assisted factory start-up standard for all systems
- Extended warranty available

WARRANTY

- 1-Year full warranty on system electronics
- System 1-year on-site warranty labor with DSPM phone assisted start-up
- 5-Year powertrain warranty
- Maintenance contracts available

FREQUENCY CONVERTER



Frequency Converter Series	Power Rating		Weight (lbs)	Voltage (VAC)		Output Protection	Safety Approvals
	kVA	W H D		Input	Output		
FCH	10	58" 72.8" 36"	1410	208, 380, 400, 415, 220, 380 or 480 VAC	208VY, 380VY, 400VY, 415VY, 220VΔ, 480VΔ, 208Y/120, 380Y/220, 400Y/230, 415Y/240, 220Y/127 or 480/277 VAC	Inpt and output circuit breakers standard	NFPA 101 NFPA 70 NEC
	12	58" 72.8" 36"	1510				
	16	58" 72.8" 36"	1610				
	20	58" 72.8" 36"	1710				
	24	58" 72.8" 36"	1810				
	30	58" 72.8" 36"	1910				
	40	58" 72.8" 36"	2010				
	50	58" 72.8" 36"	2360				
	60	58" 72.8" 36"	Consult Factory				
	80	58" 72.8" 36"	Consult Factory				
	100	58" 72.8" 36"	Consult Factory				
	125	58" 72.8" 36"	Consult Factory				

The Frequency Converter provides the simplicity and reliability that is needed when converting frequency. Easy installation ..."simplicity"...connect the FCH to the circuit(s) and your frequency is..."reliable"...no matter the power needed. All loads connected to the FCH will continuously supply the frequency needed for you. DSPM Watchdog© software keeps your environment safe while self-diagnostics help maintain equipment to a high standard. Superior surge suppression assures the highest quality of power being delivered to all loads, all the time.

You deserve the **peace of mind** that the Frequency Converter from **DSPM** ensures.

ORDERING INFORMATION

Choose the bold face catalog nomenclature that best suites your needs.

Write them on the appropriate line. Order accessories as separate catalog number.

Example:

FCH - 12.0 - 208Y/120 208Y/120 - OCB/120/3 - 400

Description of example:

(12.0 kVA, 208Y/120 Voltage In, 208Y/120 Voltage Out, 3 Output 120 Voltage Circuit Breakers, 400Hz Output)

FCH				OPTIONS
FAMILY	POWER RATING	VOLTAGE ¹		
	<u>kVA</u>	<u>Input</u>	<u>Output</u>	ECM120 - 120V Environmental control module ² /qty
	8.0	208	208VY	ECM277 - 277V Environmental control module ² /qty
	10.0	380	380VY	OCB - 20 Amps output circuit breakers / voltage / quantity
	12.0	400	400VY	SRB - Seismic rated bracket
	16.0	415	415VY	STU3 - Onsite startup
	20.0	220	220VΔ	HTR - Heater
	24.0	380	480VΔ	EW - Extended warranty
	30.0	480	208Y/120	HZ - 50, 60, 400
	40.0		380Y/220	
	50.0		400Y/230	
	60.0		415Y/240	
	80.0		220Y/127	
	100.0		480/277	
	125.0			

NOTES:

1-Consult factory for other voltage requirements. Special voltages may effect the weight, size and number or cabinets.

2-One ECM is used per switching device or circuit.

Specifications subject to change without notice.



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