

# FREQUENCY CONVERTER



## HARSH ENVIRONMENT FREQUENCY CONVERTER

50, 60 or 400 Hz.

**Three Phase 10 kVA - 125 kVA**

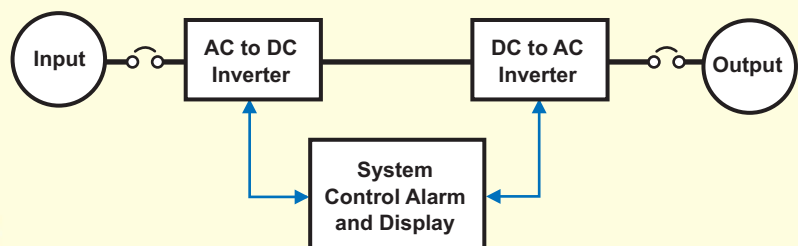
Made In The USA 

*Defends your environment against unwanted frequency fluctuations and electrical changes by providing:*

- DSPM Watchdog software always on guard.
- Display monitor keeps you in control 24/7.
- Dependable DSP/PWM technology for unsurpassed reliability.
- Economical for the lowest overall cost for your frequency conversion, with an Energy Star Rating.
- Self-diagnostics for a safe and secure frequency environment.
- Sine wave output for linear loads.
- ECM module is a patented technology used by DSPM.
- Solutions for multiple applications such as: factories, military, airports and more!
- 5 Year power train warranty.
- Meets federal, state and local codes: NFPA 101, NFPA 70, NEC and OSHA.
- Built to UL 1778.
- Complies with the Buy American Act.



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# FREQUENCY CONVERTER



*Standard Power Levels.....	10.0, 12.0, 16.0, 20.0, 24.0, 30.0, 40.0, 50.0, 60.0, 80.0, 100.0 and 125.0 kVA
*Input Voltage .....	208, 380, 400, 415, 220, 380 or 480 VAC
*Input Voltage Range.....	+10%, -15%
*Output Voltage.....	208VY, 380VY, 400VY, 415VY or 220VΔ, 480VΔ or 208Y/120, 380Y/220, 400Y/230, 415Y/240, 220Y/127 or 480/277 VAC
*Output Voltage Regulation.....	±3% for all loads
*Output Frequency.....	60 Hz ±1%, 50Hz ±1% or 400 Hz ±1%
Output Wave Form.....	Sine-wave <5% @ 100% linear load
Crest Factor.....	2.5:1 typical
Input Protection.....	Input Main Circuit Breaker
Output Protection.....	Output Main Circuit Breaker
Surge Protection.....	The unit will protect itself and the load against surges as defined in ANSI/IEEE C62.45 category A and B
Efficiency.....	≥92% at 100% linear load
Overall Efficiency.....	93%
Audible Noise.....	<45dB measured on Response Curve "A"
Operating Temperature.....	-20° to 60°C (-4° to 140°F)
Storage Temperature.....	-20° to 60°C (-4° to 140°F)
Humidity.....	5 - 95%, Non-condensing
Overload.....	<100% Continuous, 110-125% 15 Minutes, 125-150% 10 Minutes, >150% 1 Minute
Cabinet.....	NEMA 4X or 12

\*Consult factory for others.

Specifications subject to change without notice.



Frequency Converter Series	Power Rating	Cabinet Dimensions				Weight
	kVA	W	H	D		(lbs)
FCH (Consult factory for others)	10	58"	72.8"	36"		1410
	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

## Options:

ECM - Environmental Control Module  
 OCB - Output Circuit Breaker(s)  
 SRB - Seismic-Rated Bracket  
 STU3 - Onsite Startup  
 HTR - Heater  
 EW - Extended Warranty  
 HZ - 50, 60, 400



Represented by:

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