

Athena AHA Frequency Converter Technical Specifications

MODEL		HFC11-001K
CAPACITY KVA		1 KVA
INPUT	Voltage (select one individual voltage)	1 Phase 100, 110, 115, 120, 200, 208, 220, 230, or 240V ± 20%
	Frequency	47 - 63 Hz (Optional 400Hz)
	Power Walk In	0-100% < 20 seconds
OUTPUT	Voltage (select one individual voltage)	100, 110, 115, 120, 200, 208, 220, 230, or 240V (± 15% adjustable from nominal)
	Voltage Regulation	± 1% from Set Point
	Phase Shift (unbal. load)	
	Frequency (select one)	50 or 60Hz ± 0.1Hz (Optional: 400Hz.) (Optional: Switch Selectable 50/60Hz.)
	Power Factor	0.7-1 lag
	Distortion (THD)	< 3.0% (Linear Load)
	Crest Factor	3:01
	Overload Capacity	110% continuous, 120-150% for 30 sec., > 150% auto-shutdown, auto restart when normal
	Efficiency	> 85%
INDICATORS	LCD	I/P&O/P Voltage, I/P&O/P Frequency, Loading %, History Record
	LED	Utility LED (green), Inverter LED (green), Fault LED (red), Overload (yellow)
PROTECTION	Over/Under Voltage	Alarm
	Output Short Circuit	Current Limited and cut-off, fuse and breaker
	Overload	150% 30seconds cut off (Current Limited)
	Over Temperature	Auto-shutdown
	Lightening/EMC Filter	Surge and Lightning Protection
	EMI/EMC	EN50091-2
Galvanic Isolation	N/A	
INTERFACE	Contact Closure, RS-232	Support MEGATEC RUPS, MEGATEC RUPSII / UPSilon 2000 UPS monitoring software
ENVIRONMENT	Operating Temperature	0° – 40° C
	Humidity	0 - 90% Non-condensing
	Audible Noise	< 45 dB at 1 meter
DIMENSIONS	W x H x D (mm)	180*381*308
	W x H x D (in)	7.1*15.0*12.1
WEIGHT *	Kilograms	30.7
	Pounds	67.7
* Weights based on 220V IN and 380V OUT. Weights may vary based on input/output frequency/voltage		