

## Athena Frequency Converter Technical Specifications

MODEL		AFC13-020K
CAPACITY KVA		20 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)	3 Phase Delta 220/380/460V 3 Phase Wye 190/200/208/220/230/240V 3 Phase Wye 380/400/415/440/460/480V (± 15% adjustable from nominal)
	Voltage Regulation	± 1% at Linear Load
	Phase Shift (unbal. load)	< 0.5 Deg.
	Frequency (select one)	50 or 60Hz ± 0.1Hz (Optional: 400Hz.) (Optional: Switch Selectable 50/60Hz.) (Optional: Frequency Adjustable ±10% from nominal)
	Power Factor	0.8
	Distortion (THD)	< 2.0% (Linear Load)
	Crest Factor	3:1
	Overload Capacity	125% for 15 Minutes, 150% for 10 Minutes, > 150% for 1 Minute
Efficiency	>= 93%	
INDICATORS	LCD	Real Time Status, Data or Historical Events, Parameters, Real Time Clock, Inverter & Alarm
	LED	Up to date information (Status) to the User & Audible Alarm
PROTECTION	Over/Under Voltage	Alarm
	Output Short Circuit	Auto-shutdown
	Overload	Auto-shutdown 1 minute, Auto Restore when back to normal
	Over Temperature	Auto-shutdown
	Lightening/EMC Filter	MOV / Input & Output (FCC CLASS A)
	EMI/EMC	EN50091-1, -2
Galvanic Isolation	Input & Output True Galvanic Isolation	
INTERFACE	Contact Closure, RS-232/485	Supports Remote Control Module, Optional SNMP card (Model No. MEGATEC Net Agent II)
ENVIRONMENT	Operating Temperature	0° – 40° C
	Humidity	0 - 90% Non-condensing
	Audible Noise	< 65 dB at 1 meter
DIMENSIONS	W x H x D (mm)	550*1,600*800
	W x H x D (in)	21.7*63.0*31.5
WEIGHT	Kilograms	400
	Pounds	881.8
<b>* Weights based on 220V IN and 380V OUT. Weights may vary based on input/output frequency/voltage</b>		