

BIOKOOOL™

Take Control
of Quality...

Clean... Purified
Dehumidified Air



KWIKOOOL®

KBIO1411 **AIR-COOLED PORTABLE**

In combination with the HEPA filter, a high intensity ultraviolet lamp operates at the peak wavelength of energy emission destroying up to 99.97% of airborne pathogens. The air stream and surfaces are both exposed to the germicidal ultraviolet light. The BioKool™ is a highly effective way to destroy microorganisms including: virus, bacteria, and mold spores. The process is clean, because it does not produce dangerous by-products. The dehumidified air is forced throughout

- 100% Stainless Steel
- Hepa Filtration + Ultraviolet Irradiation
- 13,800 BTUH (1-Ton) 115V Single Phase

the room, a treatment which continually dilutes contaminants to as small as .3 microns. The CDC recommends four lines of defense against infection; pressure, filtration, purification, and dilution. Biokool™ covers all four of those requirements empowering healthcare facilities to meet their primary goal, improving patient outcomes. Biokool™ is economical, safe, and unquestionably the most reliable way to aid in the fight against pathogens.

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COOLING CAPACITY		
	BTU/hr @95 F at 60%RH	13,800 / 1-Ton
AIR PURIFICATION		
	ULPA/HEPA Filter	99.999% @ > .12 Microns
	UVC Light Wave Length	UVC 17 Watts / Max 85 Watts
COMPRESSOR		
	Compressor Type	Hermetic Rotary
	Operating Temperatures	65-105F 50% RH
	Non-CFC Refrigerant	410A
FAN - EVAPORATOR		
	Fan Type (Centrifugal)	Direct Drive
	Air Flow (CFM)	450 / Single Speed
	Supply Air Data	Adjustable Vent
	Supply Air Chute Data (Optional)	2 - 5" dia x 16" length
FAN - CONDENSER		
	I/O Integral Condenser - In/Out	Balanced Air Flow
	Fan Type (Centrifugal)	Direct Drive
	Air Flow (CFM)	700
	Condenser Duct Data (Optional)	2 - 12" dia x 8" length
	Condenser Maximum Duct Length	25'
ELECTRICAL		
	Power Supply (Volts)	115 V / Single Phase
	Current Consumption (Amps)	11.5
	Power Consumption (kW)	1.3
	Maximum Circuit Breaker (Amps)	15
	Recommended Breaker Size	15
	Minimum Circuit Ampacity (Amps)	17.09
	Min/Max Voltage	105 - 125
	Power Cord Gauge / Length in Feet	14 AWG / 6'
	Plug Configuration	NEMA 5 - 15
DIMENSIONS		
	Width x Length x Height (inches)	16.325" x 43.25" x 37.75"
	Weight (lbs)	230
	Shipping Weight (lbs)	280
	Ceiling Kit CK-12 Weight (lbs)	38
	Shipping Weight with Ceiling Kit (lbs)	318
SAFETY DEVICE		
	Compressor Overload	Internal
	Fan Motor Overload	Automatic Internal
	Evaporator Freeze-up	Hot Gas Bypass
	High Pressure Switch	Manual
	Low Pressure Switch	Auto
	Compressor Short Cycle	Yes
	Automatic Restart	Yes
	Condensate Pump Overflow	Yes
	Condensate Tank Overflow	Yes