

BIOKool™

KB101411 & KWB101411
AIR OR WATER COOLED PORTABLE A/C



KWIKool®



HOSPITAL GRADE - HYGIENIC PORTABLE AIR CONDITIONING

In combination with the HEPA filter, a high intensity ultraviolet lamp operates at the peak wavelength of energy emission destroying up to 99.9% of airborne pathogens. The air stream and surfaces are both exposed to the germicidal ultraviolet light. 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 cooled, dehumidified air is forced

- 100% Stainless Steel
- Hepa Filtration + Ultraviolet Irradiation
- 13,800 BTUH (1-Ton) 115V 15 Amp Standard

throughout the room, a treatment which continually dilutes contaminants to .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 of improving patient outcomes. BioKool™ is economical, safe, and unquestionably the most reliable way to provide air conditioning while aiding in the fight against pathogens.

KWIKOOL.COM



KBIO1411
AIR COOLED



KWBIO1411
WATER COOLED

COOLING CAPACITY		
BTU/hr @ 95°F at 60%RH	13,800 / 1-Ton	13,800 / 1-Ton
AIR PURIFICATION		
HEPA Filter	99.9% @ > .12 Microns	99.9% @ > .12 Microns
UVC Light Wave Length	UVC 17 Watts / Max 85 Watts	UVC 17 Watts / Max 85 Watts
COMPRESSOR DATA		
Compressor Type	Hermetic Rotary	Hermetic Rotary
Operating Temperatures	65-105°F 50% RH	65-105°F 50% RH
Non-CFC Refrigerant	410A	410A
FAN DATA EVAPORATOR		
Fan Type (Centrifugal)	Direct Drive	Direct Drive
Air Flow (CFM)	460 / Single Speed	460 / Single Speed
Supply Air Data	Adjustable Vent	Adjustable Vent
Supply Air Chute Data (Optional)	2 - 5" dia x 16" length	2 - 5" dia x 16" length
FAN DATA CONDENSER - AIR COOLED		
I/O Integral Condenser - In/Out	Balanced Air Flow	N/A
Fan Type (Centrifugal)	Direct Drive	N/A
Air Flow (CFM)	700	N/A
Condenser Duct Data (Optional)	2 - 12" dia x 8" length	N/A
Condenser Maximum Duct Length	25'	N/A
CONDENSER WATER FLOW- WATER COOLED		
Flow Regulation Valve .5" NPT	N/A	Automatic
Inlet Water 85F-95F Exit GPM	N/A	3
Inlet Water 75F-95F Exit GPM	N/A	1.5
Inlet Water 65F-95F Exit GPM	N/A	1
Inlet Water 55F-95F Exit GPM	N/A	.75
ELECTRICAL DATA		
Power Supply (Volts)	115 V / Single Phase	115 V / Single Phase
Current Consumption (Amps)	14.7	11.2
Power Consumption (kW)	1.55	1.16
Maximum Circuit Breaker (Amps)	20	20
Recommended Breaker Size	15	15
Min/Max Voltage	105 - 125	105 - 125
Power Cord Gauge / Length in Feet	14 AWG / 6'	14 AWG / 6'
Plug Configuration	NEMA 5 - 15	NEMA 5 - 15
DIMENSIONAL DATA		
Width x Length x Height (inches)	16.325" x 43.25" x 37.75"	16.325" x 29.0" x 37.75"
Weight (lbs)	230	189
Shipping Weight (lbs)	265	239
SAFETY DEVICE DATA		
Compressor Overload	External	Internal
Fan Motor Overload	Automatic Internal	Automatic Internal
Evaporator Freeze-up	Hot Gas Bypass & Fan Cycling	Hot Gas Bypass
High Pressure Switch	Manual	Manual
Low Pressure Switch	Auto	Auto
Compressor Short Cycle	Yes	Yes
Automatic Restart	Yes	Yes
Condensate Pump Overflow	Yes	Yes
Condensate Tank Overflow	Yes	Yes

