

Ceiling Mounted Comfort Cooling Unit



Self Contained Air Conditioner suspended above the drop ceiling.

KCA is our air-cooled model while **KCW** is our water-cooled model.

They are available in 2, 2.5, 3.5, or 5-Ton Models.

Who says size doesn't matter?

Our **KCA/KCW** models are small, **compact**, & **POWERFUL!!**

Ideal for comfort cooling applications when installed in an adjacent space and ducted into the room being cooled.

- Non-CFC Refrigerants ■ Internal High Pressure 20' lift Condensate Pump with Overflow Cutoff
- Easy Access Service Ports ■ Signal Output Connects to Building Control System
- Automatic Fan Overload Protection ■ Available in Air-Cooled and Water-Cooled Models
- Works with Fire Alarm Control for Safety Shut Off ■ Hot Gas Bypass for Freeze Protection
- All Direct Drive Blowers for Maintenance Free Use ■ Works with Almost all Thermostats



CEILING MASTER

GENERAL DATA	KCA/KCW-2421	KCA/KCW-3021	KCA/KCW-4221	KCA/KCW-6021	KCA/KCW-6023	KCA/KCW-6043
COOLING CAPACITY						
BTU/hr @95 F at 60%RH	23,500 / 2-Ton	29,500 / 2.5-Ton	42,000 / 3.5-Ton	60,000 / 5-Ton	60,000 / 5-Ton	60,000 / 5-Ton
COMPRESSOR DATA						
Compressor Type	Hermetic Reciprocating	Hermetic Reciprocating	Hermetic Reciprocating	Hermetic Reciprocating	Hermetic Reciprocating	Hermetic Reciprocating
Operating Temperature	60-95 F @ 50%RH	60-95 F @ 50%RH	60-95 F @ 50%RH	60-95 F @ 50%RH	60-95 F @ 50%RH	60-95 F @ 50%RH
EVAPORATOR FAN DATA						
Air Flow (CFM)	850	950	1400	2000	2000	2000
Cold-Air Supply Diameter (inches)	10"	10"	12"	14"	14"	14"
Return Air Diameter (inches)	16"	16"	18"	20"	20"	20"
SAFETY DEVICE DATA						
Compressor Overload	Internal	Internal	Internal	Internal	Internal	Internal
High Pressure Switch	Manual	Manual	Manual	Manual	Manual	Manual
Thermostat	Customer Supplied	Customer Supplied	Customer Supplied	Customer Supplied	Customer Supplied	Customer Supplied

KCA / AIR-COOLED SPECS	KCA2421	KCA3021	KCA4221	KCA6021	KCA6023	KCA6043
CONDENSER: AIR-COOLED						
Fan Type (Centrifugal)	Direct Drive	Direct Drive	THD Direct Drive	THD Direct Drive	THD Direct Drive	THD Direct Drive
Air Flow (CFM)	1100	1450	2100	3500	3500	3500
Condenser Flange (inches)	14"	14"	16"	16"	16"	16"
Condenser Duct Maximum Length	25'	40'	50'	65'	65'	65'
ELECTRICAL DATA						
Power Supply (Volts)	208/230 - Single Phase	208/230 - Single Phase	208/230 - Single Phase	208/230 - Single Phase	208/230 - Three Phase	460 - Three Phase
Current Consumption (Amps)	11.5/10.4	15.9/14.3	24.9/22.66	36.6/33	28.3/25.7	14.8
Recommended Breaker Size	20	20	40	50	40	20
Minimum/Maximum Voltage	195-225/210-250	195-225/210-250	195-225/210-250	195-225/210-250	195-225/210-250	420-500
DIMENSIONAL DATA						
KCA - Width x Depth x Height (inches)	24 x 46 x 20	24 x 46 x 20	24 x 57.5 x 25	24 x 57.5 x 25	24 x 57.5 x 25	24 x 57.5 x 25

KCW / WATER-COOLED SPECS	KCW2421	KCW3021	KCW4221	KCW6021	KCW6023	KCW6043
ELECTRICAL DATA						
Power Supply (Volts)	208/230 - Single Phase	208/230 - Single Phase	208/230 - Single Phase	208/230 - Single Phase	208/230 - Three Phase	460 - Three Phase
Current Consumption (Amps)	8.3/7.6	13.1/11.9	18.9/17.2	31.5/28.4	20.3/18.5	10.4
Recommended Breaker Size	20	20	30	40	30	20
Minimum/Maximum Voltage	195-225/210-250	195-225/210-250	195-225/210-250	195-225/210-250	195-225/210-250	420-500
DIMENSIONAL DATA						
KCW - Width x Depth x Height (inches)	24 x 30 x 20	24 x 30 x 20	24 x 35.5 x 25	24 x 35.5 x 25	24 x 35.5 x 25	24 x 35.5 x 25



Comfort the
IT Department
Depends On

KCA \ KCW

