

# 2-3.5 Ton Ceiling-Mounted Air Conditioners

DESIGNED FOR ELECTRONIC EQUIPMENT ROOMS  
AND OTHER OFFICE ENVIRONMENTS

AIR COOLED

## Kwikool™ Air Cooled Ceiling-Mounted Air Conditioners



KCA3021

TECHNICAL SPECIFICATIONS		KCA2421	KCA3021	KCA4221
COOLING CAPACITY	BTU/hr @ 95 F at 60%RH	23,500 (2 TONS)	29,500 (2-1/2 TONS)	42,000 (3-1/2 TONS)
COMPRESSOR DATA	Compressor Type Operating Temperatures Non-CFC Refrigerant Charge (lbs.)	HERMETIC RECIP. 60-110 F .50%RH 407C	HERMETIC RECIP. 60-110 F .50%RH 407C	HERMETIC RECIP. 60-110 F .50%RH 407C
EVAPORATOR FAN DATA	Operating Temperatures Fan Type (Centrifugal) Air Flow (CFM) Cold Air Supply Diameter (Inches) Cold Air Return Diameter (Inches) Motor HP	60-95 F .50%RH DIRECT DRIVE 750 10 In. 16 In. 1/4	— DIRECT DRIVE 850 10 In. 16 In. 1/3	— DIRECT DRIVE 1400 12 In. 18 In. 1/2
CONDENSER	Operating Temperatures Fan Type (Centrifugal) Air Flow (CFM) Condenser Flange (In.) Condenser Hose Max. Length Motor HP	60-110 F .50%RH DIRECT DRIVE 1100 14 In. — 1/2	— DIRECT DRIVE 1400 14 In. 40' 1	— HTD DIRECT DRIVE 2100 16 In. 50' 2 - Dual Direct Drive 3/4
ELECTRICAL DATA	Power Supply (Volts) Amperage Power Consumption (KW) Maximum Circuit Breaker (Amps) Minimum Circuit Ampacity (Amps) Min/Max Voltage Power Cord Gauge/Length Plug Configuration	208/230-Single Phase 3.25/12.5 2.5 20 20 195-225/210-250 — —	208/230-Single Phase 17.05X15.5 3.05 20 20 195-225/210-250 — —	208/230-Single Phase 37.2/22.75 6.5 40 40 195-225/210-250 — —
DIMENSIONAL DATA Unitary Models	Width x Depth x Height (Inches) Weight (lbs) Shipping Weight (lbs)	24X46X20 w/o Mounting 208.5 283.5	24X46X20 w/o Mounting 220.5 295.5	24X57.5X25 w/o Mounting 380 454.5
SAFETY DEVICE DATA	Compressor Overload Fan Motor Overload Evaporator Freeze-up High Pressure Switch Low Pressure Switch Compressor Short Cycle Automatic Restart Thermostat Fire Alarm Control Safety Shut Off Signal Output to Bldg. Control Sys. Condensate Pump w 20' Head Pres. Condensate Pump Overflow Condensate Tank Overflow	INTERNAL AUTOMATIC INTERNAL HOT GAS BYPASS MANUAL AUTOMATIC YES YES Customer Supplied YES YES YES YES YES	INTERNAL AUTOMATIC INTERNAL HOT GAS BYPASS MANUAL AUTOMATIC YES YES Customer Supplied YES YES YES YES YES	INTERNAL AUTOMATIC INTERNAL HOT GAS BYPASS MANUAL AUTOMATIC YES YES Customer Supplied YES YES YES YES YES

**POTOMAC PORTABLE AIR®** has the perfect solution  
for temporary or permanent spot cooling needs.

Ask us about other Kwikool products. Call for pricing and lease-to-own programs.



Convenient Offices Nationwide

Phone: 1-888-370-2550

Fax: 1-888-370-2551

E-mail: [sales@potomacportableair.com](mailto:sales@potomacportableair.com)

Website: [www.potomacportableair.com](http://www.potomacportableair.com)

# 5 Ton Ceiling-Mounted Air Conditioners

DESIGNED FOR ELECTRONIC EQUIPMENT ROOMS  
AND OTHER OFFICE ENVIRONMENTS

AIR COOLED

## Kwikool™ Air Cooled Ceiling-Mounted Air Conditioners



KCA6023

TECHNICAL SPECIFICATIONS		KCA6021	KCA6023	KCA6043
<b>COOLING CAPACITY</b>	BTU/hr @ 95 F at 60%RH	60,000 (5 TON)	60,000 (5 TON)	60,000 (5 TON)
<b>COMPRESSOR DATA</b>	Compressor Type Operating Temperatures Non-CFC Refrigerant Charge (lbs.)	HERMETIC RECIP. 60-110 F .50%RH 407C	HERMETIC RECIP. 60-110 F .50%RH 407C	HERMETIC RECIP. 60-110 F .50%RH 407C
<b>EVAPORATOR FAN DATA</b>	Fan Type (Centrifugal) Air Flow (CFM) Cold Air Supply Diameter (Inches) Cold Air Return Diameter (Inches) Motor HP	DIRECT DRIVE 2000 12 In. 18 In. 1	DIRECT DRIVE 2000/3 Speed 12 In. 18 In. 1	DIRECT DRIVE 2000 12 In. 18 In. 1
<b>CONDENSER</b>	Fan Type (Centrifugal) Air Flow (CFM) Condenser Flange (In.) Condenser Hose Max. Length Motor HP - 2 - Dual Direct Drive	HTD DIRECT DRIVE 3500 16 In. 65' 1	HTD DIRECT DRIVE 3500 16 In. 65' 1	HTD DIRECT DRIVE 3500 16 In. 65' 1
<b>ELECTRICAL DATA</b>	Power Supply (Volts) Amperage Power Consumption (KW) Maximum Circuit Breaker (Amps) Minimum Circuit Ampacity (Amps) Min/Max Voltage	208/230-10 45.5 8.8 60 on 208-V/50 at 230-V 50 195-225/210-250	208-230 - 3 Phase 38.8/35.3 7.5 50/40 38.5 195-225/210-250	460-3-Phase 17.65 7.5 30 30 420-500
<b>DIMENSIONAL DATA</b> Unitary Models	Width x Depth x Height (Inches) Weight (lbs) Shipping Weight (lbs)	24X57.5X25 w/o Mount 418 493	24X57.5X25 w/o Mount 435 510	24X57.5X25 w/o Mount 435 510
<b>SAFETY DEVICE DATA</b>	Compressor Overload Fan Motor Overload Evaporator Freeze-up High Pressure Switch Low Pressure Switch Compressor Short Cycle Automatic Restart Thermostat Condensate Pump w 20' Head Pres. Condensate Pump Overflow Condensate Tank Overflow	INTERNAL AUTOMATIC INTERNAL HOT GAS BYPASS MANUAL AUTOMATIC YES YES Customer Supplied YES YES YES	INTERNAL AUTOMATIC INTERNAL HOT GAS BYPASS MANUAL AUTOMATIC YES YES Customer Supplied YES YES YES	INTERNAL AUTOMATIC INTERNAL HOT GAS BYPASS MANUAL AUTOMATIC YES YES Customer Supplied YES YES YES

**POTOMAC PORTABLE AIR®** has the perfect solution  
for temporary or permanent spot cooling needs.

Ask us about other Kwikool products. Call for pricing and lease-to-own programs.



Convenient Offices Nationwide  
Phone: 1-888-370-2550  
Fax: 1-888-370-2551  
E-mail: [sales@potomacportableair.com](mailto:sales@potomacportableair.com)  
Website: [www.potomacportableair.com](http://www.potomacportableair.com)