Hot Work Space-Confined Work Space Hot?

Do you work in spaces in your facility which are extremely hot which create problems for your work staff? **Kwikool** I**ndustrial Portable Air Conditioners** are designed for economical spot cooling in industrial plants, server rooms, greenhouses, hospitals and offices, and especially where electrical equipment creates a heat load. They are also suitable for confined spaces such as vessel inspections or repairs, manholes and tunnels as well as other confined spaces where inspections or work is required.

The Model KPAC1411-2 (nominal 1.1-ton or 13,700 BTU) is the smallest unit in size and capacity in Line of portable air conditioners. Made in the USA of steel, aluminum and copper these industrial wheel mounted units offer a quick spot cooling solution to provide cooling for hot work space areas.

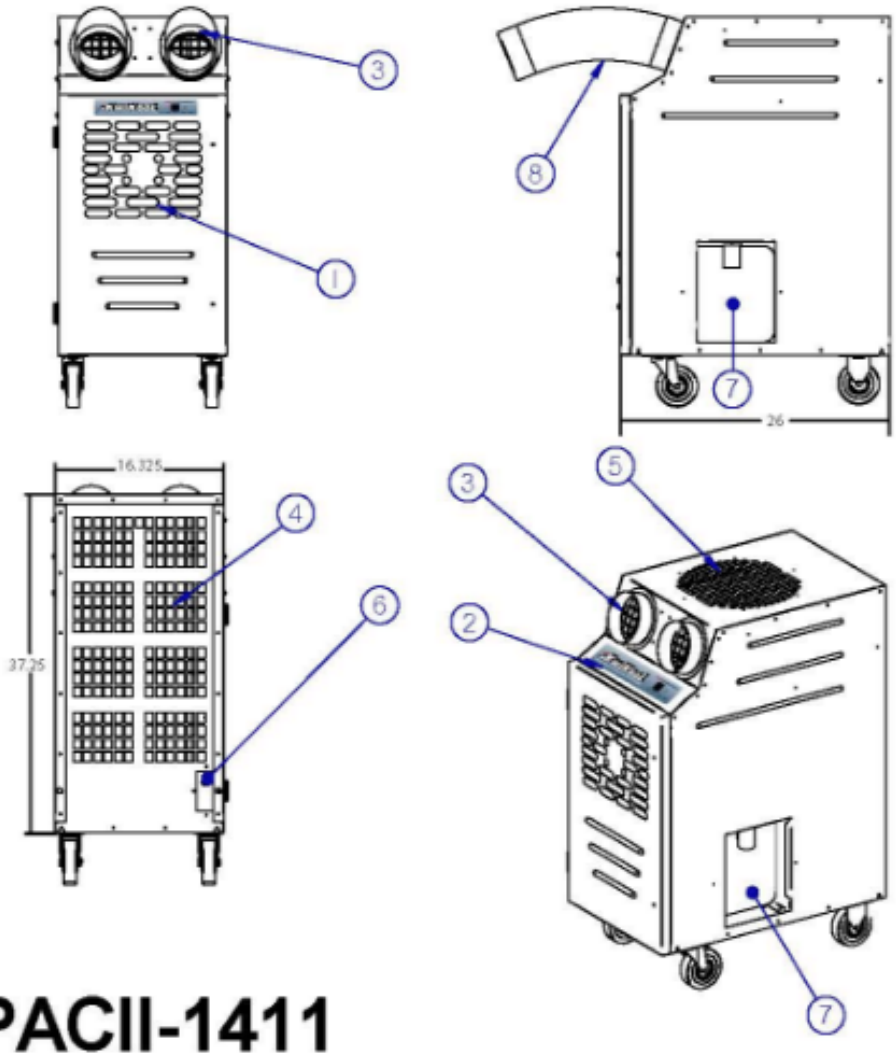
The KPAC1411-2 has an extremely small foot print that is ideal for spot cooling people or equipment in a high ambient environment. The KPAC II Series offers a quick cooling solution with its “plug and play” technology that tops the competition with its small size, strong air flow, and easy installation. The KPAC II Series achieves a 20 degree F. temperature differential across its coil. This means that 95 degree F. input air will produce 75 degree F. output air. For spot cooling applications at a work station the unit will effectively cool a person or equipment within 5 to 7 feet of the unit. The KPAC II Series out performs and out lasts other portables, all at a price that is comparable to other products.

The KPAC1411-2 runs on a standard 115-volt/15-amp circuit with automatic restart after a power failure. The unit comes with a 3.5-gallon self-contained condensate tank with float activated unit cut off, that is manually emptied. Installation takes less than ten minutes for easy set up, using the single duct ceiling kit.

- 13,700 BTU/H – 1.15 Ton capacity air cooled
- Runs on 115V 15 amp circuit
- Wide Operating range of 70ºF-110ºF
- ETL and CETL listed to UL and CSA standards
- Single duct system for easy installation
- Multi-function microprocessor control with a large, easy-to-read LCD display
- Easy-touch control pads make changing system settings a snap.
- 3.5 gallon self-contained condensate reservoir tank for easy removal and emptying.
- Condensate overflow protection with audible alarm
- Heavy duty compressor with automatic restart and short cycle protection.
- Motors and compressors have overload protection.
- High-pressure safety with manual reset.

- Automatic freeze protection using microprocessor freeze stat.
- Heavy-duty locking casters.
- Rifle tube coils for efficient heat transfer.
- Fully insulated, heavy duty galvanized steel cabinet with Kwikool's exclusive E-Z Clean™ scratch-resistant attractive two-tone Hammer Coat™ epoxy protective finish for optimum durability, efficiency, low maintenance and quiet operation.
- Filter dryer for Moisture protection
- Easy access Service Door
- Shraeder service ports.

KwiKool
PORTABLE COOLING SYSTEMS



KPACII-1411

LEGEND

1	Cold Air Return	6	Power Cord
2	Control Pad	7	CondensateTank
3	Cold Air Supply	8	Air Chutes
4	Condenser Air Inlet		
5	Condenser Air Outlet		

ETL LISTED CONFORMS TO ANSI/UL1995
CERTIFIED TO CAN/CSA 22.2 NO 235

- **Cooling Capacity** BTU/hr @ 95F at 60% RH13,700 (1.1-Ton)
- **Compressor Data** Compressor Type Hermetic Rotary Operating Temperatures70-105 F 50%RHRefrigerant410A
- **Evaporator Fan** Type (Centrifugal) Direct Drive Air Flow (CFM)460/1 Speed Supply Air Device2 - 5" Dia. x 16"
- **Air Chute Supply** Air Duct max. length25'
- **Condenser Fan Type** (Centrifugal) Direct Drive Air Flow (CFM)700Condenser
- **Duct Specs** (optional)1 - 12" Dia. x 8' Length Condenser Duct Max. Length25'
- **Electrical Data** Power Supply (Volts)115/Single Phase Current Consumption (Amps)11.5Power Consumption (KW) 1.19Maximum Circuit Breaker (Amps)20Recommended Breaker Size15 or 20Minimum Circuit Ampacity(Amps)17.085Min./ Max. Voltage105-125Power Cord Gauge/Length14/6'Plug Configuration NEMA 5-15
- **Dimensional Data** Width x Depth x Height (Inches)16.325" x 26" x 37.25" Weight (Lbs.)157Shipping Weight (Lbs.)2 07Ceiling Kit Weight (Lbs.)22 Shipping Weight w/ Ceiling Kit 229
- **Safety Device Data** Compressor Overload Internal Fan Motor Overload Automatic Internal Evaporator Freeze Protection Freeze Stat High Pressure Switch Manual Compressor Short Cycle Yes Automatic Restart Yes Thermostat Type Microprocessor/Digital Condensate Pump Overflow Optional Condensate Tank Overflow Yes

Specifications

COOLING CAPACITY

BTU/hr @ 95F at 60% RH	13,700 (1.1-Ton)

COMPRESSOR DATA

Compressor Type	Hermetic Rotary
Operating Temperatures	70-105 F 50%RH
Refrigerant	410A

FAN DATA

Evaporator

Fan Type (Centrifugal)	Direct Drive
Air Flow (CFM)	460/1 Speed
Supply Air Device	2 - 5" Dia. x 16" Air Chute
Supply Air Duct max. length	25'

Condenser

Fan Type (Centrifugal)	Direct Drive
Air Flow (CFM)	700
Condenser Duct Specs (optional)	1 - 12" Dia. x 8' Length
Condenser Duct Max. Length	25'

ELECTRICAL DATA

Power Supply (Volts)	115/Single Phase
Current Consumption (Amps)	11.5
Power Consumption (KW)	1.19

Maximum Circuit Breaker (Amps)	20
Recommended Breaker Size	15 or 20
Minimum Circuit Ampacity Amps)	17.085
Min./Max. Voltage	105-125
Power Cord Gauge/Length	14/6'
Plug Configuration	NEMA 5-15

DIMENSIONAL DATA

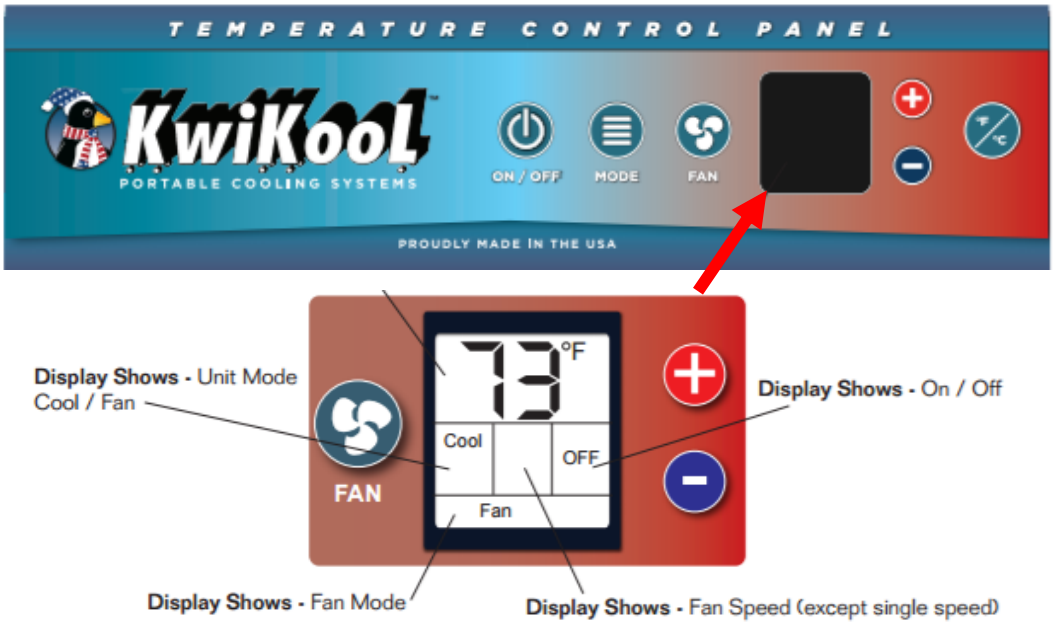
Width x Depth x Height (Inches)	16.325" x 26" x 37.25"
Weight (Lbs.)	157
Shipping Weight (Lbs.)	207
Ceiling Kit Weight (Lbs.)	22
Shipping Weight w/ Ceiling Kit	229

SAFETY DEVICE DATA

Compressor Overload	Internal
Fan Motor Overload	Automatic Internal
Evaporator Freeze Protection	Freeze Stat
High Pressure Switch	Manual
Compressor Short Cycle	Yes
Automatic Restart	Yes
Thermostat Type	Microprocessor/Digital
Condensate Pump Overflow	Optional
Condensate Tank Overflow	Yes

The CK-12S is the ceiling kit for the KPACII Series and includes one (1) 12”x 8’ duct, 1 flange and fasteners to be mounted to the unit, clamps necessary for duct attachment and a ceiling panel.

Control Panel - The control panel display shows the current operational status of the unit.



1. **ON/OFF Button** - Pressing this button on your control panel engages or shuts down your KwiKool system. All settings selected are stored in the microprocessor board even if the power is lost including the ON/OFF selection. Refer to the Troubleshooting Guide section of this manual if your KwiKool is alerting an alarm after selecting ON.

2. **MODE Button** - Depressing the MODE button selects your choice of operations. Cool, for cooling with compressor operation. "Cool" will flash when the compressor is running. "Cool" will not flash when the room temperature is equal to or lower than the set temperature or the system is timing out. Fan, for air circulation without compressor operation.

3. **F/C** - Selects the way that room temperature and set point are displayed on the control panel. Choices are Fahrenheit or Celsius. F is the factory default. This indicator will flash when the system is in "time out" to prevent compressor short cycling.

4. **Fan** - Pressing the fan button cycles the supply air fan between auto fan and fan on. When the system is in auto fan, the supply air fan only operates when the compressor is running. When the fan is set to on, the fan runs continuously as long as the unit is in the ON position. The fan speed window will be blank on these models.

5. **Up (+) and Down (-) Arrow Buttons** - Raises or lowers the desired set temperature. When changing the set point, pressing the + or – key, the word SET will appear on the display and the current set point flashes ON and OFF. The value of the set point is changed 1 degree each time the + or – is pressed. The adjusted set point flashes on and off 12 times after the last change and then returns to display the room temperature.