



EH1419
7.3 kW (25000 BTU/hour)
Mobile Industrial Spot Cooler



Spot Cooling
LED display panel
4 Hour timer

IMPORTANT

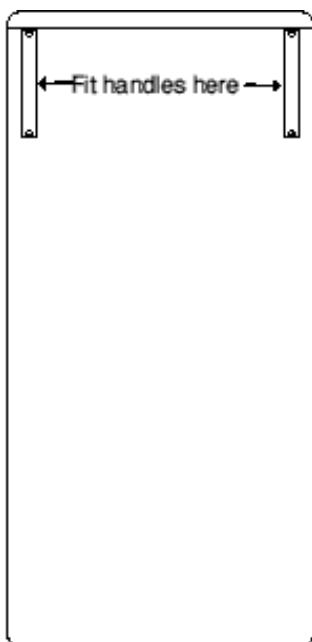
Installer and Users please note:

These instructions should be read carefully and left with the user of the product for future reference.

BEFORE USE

Inspect the product including its cable and plug for any signs of damage. If the product is damaged, DO NOT use it, and contact your supplier immediately. The appliance contains a refrigerant gas, so must be kept upright at all times. After unpacking wait 3 hours for the refrigerant gas to stabilise before use.

INSTALLATION



Attach the two handles to the rear panel of the appliance. Remove the four screws from the top left and right sides of the rear panel.

Use the screws to fix the handles to the rear panel.

The handles allow the appliance to be moved more easily, and prevent it from being damaged.

Attach the flexible tubes to the apertures on the front panel of the appliance, using the M5 countersunk screws provided.

The EH1419 will operate with the greatest efficiency if it is situated *outside* the area to be cooled, and the cold air ducted in using the two flexible tubes.

Stand the EH1419 on a firm, flat, level surface, and apply the brakes to the rear castors.

For industrial spot cooling, no hot air ducting is required. For zone cooling use 18" (457 mm) ducting. Never use reducers, as they cause the exhaust air to be compressed, generating heat, reducing efficiency, and reducing the output of cooled air.

The appliance collects condensed water in the tank, so the exhaust air is dry, and may be vented into a false ceiling.

GENERAL SAFETY REQUIREMENTS

Domestic wiring must be tested periodically by a qualified electrician at least once every 10 years or at every change of occupancy.

For office and retail premises, and buildings such as village halls, the wiring must be inspected at least once every 5 years.

It is recommended that all buildings be fitted with smoke alarms (it is mandatory for new buildings).

PAT TESTING.

When used in an office or commercial environment, this product must be safety-tested yearly by a qualified electrician (PAT Tested) in order to comply with the Electricity at Work Regulations. If hired out, it should be PAT tested before every hire.

We recommend that it is PAT tested regularly when used in a domestic environment.

PRODUCT SAFETY

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance
- Place the appliance on a firm flat surface. Ensure that the it is kept upright at all times
- Ensure that there is at least 300mm (1') between the sides of the appliance and any flammable materials
- Ensure that there is at least 900mm (3') from the top of the appliance and any flammable materials.
- Do not place on soft surfaces.
- Do not cover.
- Do not obstruct the air intakes and exhausts.
- For indoor use only
- Not suitable for use in boats, caravans or similar locations.
- Do not use in bathrooms, or in wet locations.
- Do not place the mains lead beneath a carpet or rug.
- Do not use the appliance in locations where paint, petrol or other flammable liquids are used or stored.
- Always transport and store in an upright position.
- Do not allow the appliance to fall over when there is water in the bucket.

OPERATION

Leave the appliance in an upright position for 3 hours before first use.

Plug the mains lead into a 13 Amp mains socket.

If connecting via an extension lead, make sure that the lead is rated at 13 Amps or more, and that it is fully unwound.

Switch the unit on at the mains socket.

POWER Button: Press the "Power" button to start the unit.

The Power indicator illuminates when the appliance is ON.

Press the POWER button again to stop the appliance. The fans and compressor will not stop immediately, but will go through a shut-down sequence lasting a few seconds.

TEMP+ and TEMP- buttons:

Use the + and - buttons to select the desired zone temperature. The temperature can be set to any temperature from 16 °C to 30 °C. Selecting a higher temperature will reduce power consumption. The target temperature is displayed in the right-hand two-digit display. The left-hand two-digit display shows the current room temperature.

For spot cooling, or to select a target temperature below 16 °C, hold down the COOL button for 3 seconds. The display will then change to "00". The target temperature may now be adjusted to any value between 0 °C and 30 °C.

FAN SPEED button.

Press the FAN SPEED button to change the fan speed.

TIMER button.

Press the TIMER button to set the timer. The appliance can be set to switch off after 1 hour, 2 hours or 4 hours by pressing the button again. To cancel the timer, press the button again until none of the timer LEDs is illuminated.

ZONE/COOL button:

Press the ZONE/COOL button briefly to select fan-only mode (no cooling); or press and hold for 3 seconds to select extended range cooling operating down to 0 °C.

If the "**ALARM**" indicator flashes and ,  is shown in the display, the condensate water tank is full.

To empty the water, switch the unit off by pressing the ON/OFF button. Remove the tank (located in the larger compartment on the right side panel) and empty the collected water down a drain. Replace the tank, ensuring that the rubber tube locates in the aperture in the tank. Press the ON/OFF button again to resume operation.

Unplug the EH1419 from the mains when not in use. A compartment is provided for storage of the mains cable adjacent to the cable entry point.

END OF SEASON STORAGE.

Before putting the appliance into storage, empty all water from the drain, and run the appliance on "fan only" mode for a few hours to dry the inside thoroughly. Clean the filter, unplug the mains cable, and store the appliance in its original box in an upright position.

OPERATING COSTS

At time of going to press, the average cost of electricity is £0.12 per unit (kilowatt-hour). The amount you are being charged will be shown on your electricity bill.

At this cost, the EH1419 will cost £0.33 per hour to run in heating, cooling or dehumidifying modes, and £0.04 per hour to run in the fan-only mode.

To minimise the power used (and reduce operating costs):

- Make sure that the filter is kept clean.
- Make sure that the air intakes and exhausts are not obstructed.
- Keep doors and windows closed to prevent conditioned air from escaping, and to prevent exhaust air from re-entering the room.
- Use blinds to prevent direct sunlight reaching the room.

MAINTENANCE

Before cleaning, turn the appliance off, and disconnect from the mains supply. The appliance may then be cleaned using a damp cloth with a drop of washing-up liquid to remove any dust or dirt from the case. Do not use stronger detergents or solvents as these may damage the paint finish.

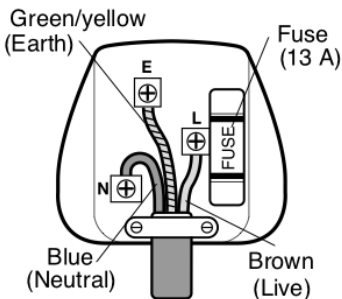
Cleaning the filters:

The filters are located on the side panels of the appliance. Unclip the grille and slide out the filter, then remove dust and dirt using either a vacuum cleaner or a compressed air blower. The filter should be cleaned every two weeks to maintain optimum performance.

Using a dry 1" (25mm) paint-brush, remove any dust from the grilles.

Use a compressed air blower to remove dirt and dust from the heat exchangers.

If the mains lead is damaged, it must be replaced by the manufacturer or an authorised service centre. If the mains plug needs to be replaced, proceed as follows:



- Connect the brown wire to the terminal labelled "L".
- Connect the blue wire to the terminal labelled "N".
- Connect the green/yellow wire to the terminal labelled with the earth symbol or "E".

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- Make sure that the cord-grip is positioned correctly (over the outer sheath of the cable) and it fully tightened.

FAULT-FINDING

If the EH1419 is not operating, proceed as follows:

Check that the mains plug is firmly in the socket, and that the socket is switched ON.

When the unit is switched on there will be a delay of about 1 minute before it starts to operate.

- **Unit stops running:**

Mains supply is disconnected or has failed

Target temperature has been reached.

Timer has been set.

Water tank is full (ALARM indicator will illuminate)

- **In cooling mode, no cool air is produced:**

Zone temperature is lower than set temperature

The unit is defrosting (this will take a few minutes, and afterwards, it will resume operation)

Filter is blocked

- **Cooling is poor on hot days**

Too much direct sunshine is heating the room

Windows or doors are open allowing hot air into the room

A lot of people in the room (each person contributes about 75 W of heating)

Electrical equipment in the room producing heat

FAULT CODES

If any error codes appear on the display, contact your local service agent. An explanation of all the fault codes is attached to the rear panel of the appliance.

OPERATING COSTS

At time of going to press, the average cost of electricity is £0.12 per unit (kilowatt-hour). The amount you are being charged will be shown on your electricity bill.

At this cost, the appliance will cost 15p per hour to run either cooling or heating.

To minimise the power used (and reduce operating costs):

- Make sure that the filter is kept clean.
- Make sure that the air intakes and exhausts are not obstructed.
- Keep doors and windows closed to prevent conditioned air from escaping, and to prevent exhaust air from re-entering the room.
- Use blinds to prevent direct sunlight reaching the room.
- Set the temperature higher whilst cooling, or lower whilst heating.

DISPOSAL AND RECYCLING

You must not dispose of this appliance with domestic household waste.

Most local authorities have specific collection system for appliances and disposal is free of charge to the end-user.

When replacing an existing appliance with a similar new appliance your retailer may take the old appliance for disposal. This air conditioner contains R410a refrigerant gas. At the end of its life the disposal of this product must be in accordance with local regulations.

TECHNICAL SPECIFICATION

Dimensions:	1250x560x560 mm
Weight:	95 kg
Power supply:	230 V ~
Power consumption (cooling):	2600 W
Operating current (cooling):	12.3 A
Cooling capacity:	7300 W (25000 BTU/hour)
Dehumidifying capacity:	35 litres/day
Temperature setting (cooling):	18 - 30 °C
Refrigerant:	R410a (1 kg)

FLUORINATED GASES

The appliance contains refrigerant gas which is subject to control under the *Fluorinated Greenhouse Gases Regulations 2009*. It is a criminal offence knowingly to allow the refrigerant gas to leak to the atmosphere. It is also a criminal offence to work on the product unless suitably qualified.

SERVICE WARRANTY

Prem-i-Air guarantees the product free from defects in materials and workmanship for a period of twelve months.

Should this unit be operated under conditions other than those recommended, at voltages other than the voltage indicated on the unit, or any attempts made to service or modify the unit, then the warranty will be rendered void.

The product you buy may sometimes differ slightly from illustrations. This warranty is in addition to, and does not affect, your statutory rights.

If you have any problems with this product, please call our Help Desk on (0845) 459 4816.

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