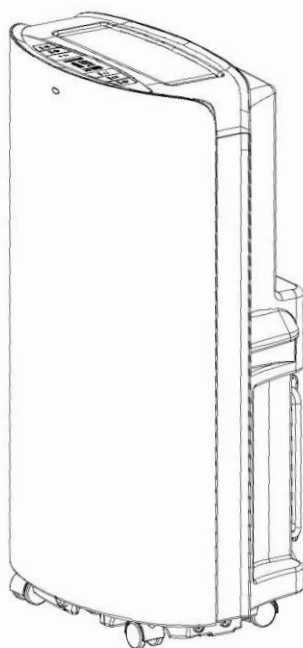




EH1672



**3.5kW (12000 BTU/hour)
Portable Air Conditioner
User Manual**

IMPORTANT

Installer and Users please note:

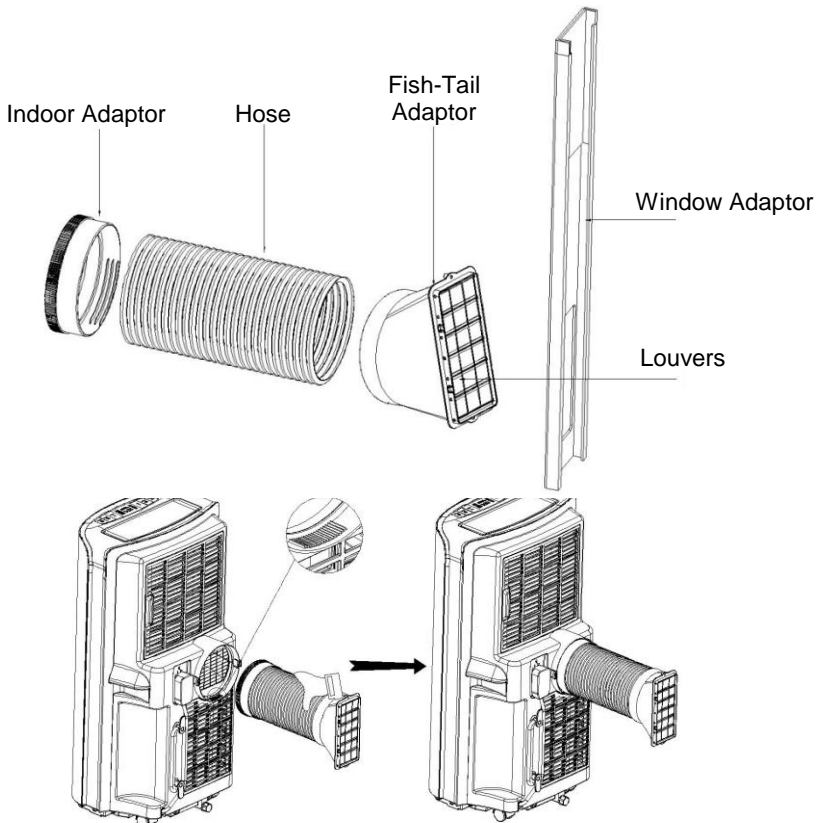
These instructions should be read carefully and left with the user of the product for future reference.

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.

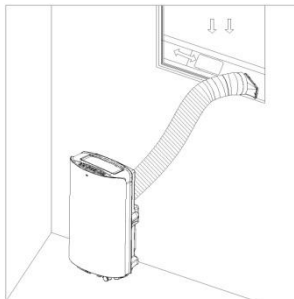
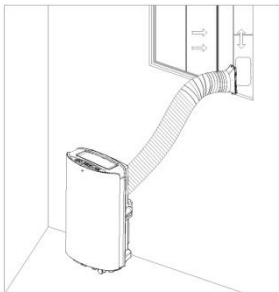
INSTALLATION

Stand the EH1672 on a firm, flat, level surface. Connect the exhaust hose as follows: expand a small section of the end, and screw into the indoor adaptor; then slide the indoor adaptor into the slot at the back of the unit. Expand a small section of the other end of the hose, and screw into the fish-tail shaped adaptor.



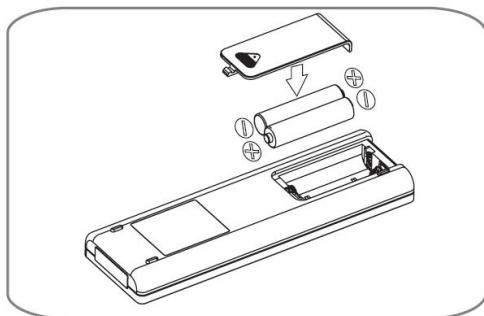
Slide the two-part window adaptor to the correct length to fit the window. Close the window as far as possible to keep the window adaptor in place. Clip the fish-

tail shaped adaptor into the rectangular aperture in the window adaptor making sure that the louvers can open and close freely.



Keep the hose as straight as possible, avoid dips where the moisture from the exhaust air can condense and fill the tube with water. Do not allow the hose to be crushed.

The hose can be expanded up to 1.5 m long, but the shorter it is the more efficiently the EH1672 will operate. Do not extend the hose, or replace with another type of hose.



Fit 2 x AAA batteries in to the remote control, observing the correct polarity.

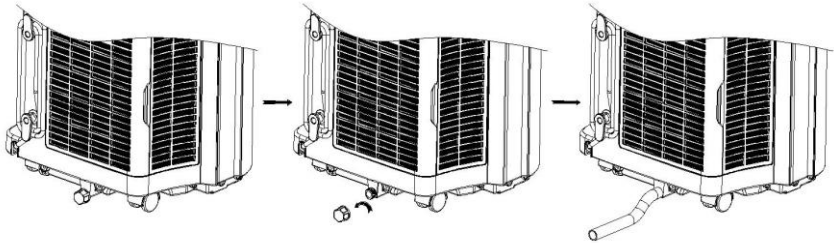
Do not attempt to recharge the batteries.

Do not dispose any of the batteries in a fire, as they may explode.

Do not use any other type of battery.

The EH1672 has a built in condensate tank, for continuous operation the tank can be permanently connected to the drain. To do this a drain tube may be fitted as shown:

Firstly unscrew the drain cap and remove the bung then using a piece of 18mm diameter tube (not supplied) connect one end to the drain –hole and run the pipe to a drain, making sure that it runs downhill all the way



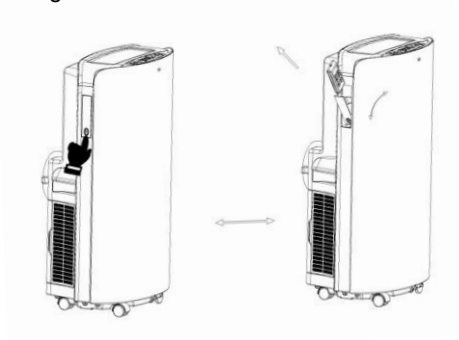
If a permanent drain tube is not fitted the condensate tank will need to be occasionally emptied. This should only happen very rarely, as most of the water collected is evaporated and sent down the exhaust air tube.

EMPTY CONDENSATE TANK

To empty the water tank, switch the unit off by pressing the ON/OFF button, wait for three minutes then disconnect from the mains supply. Place a drainage pan underneath the drain outlet plug (at the bottom, rear of the unit in the centre). Unscrew the cap and withdraw the bung, allow the water to drain into the drainage pan. Replace the bung and cap then reconnect the unit to the mains supply.

REMOTE CONTROL STORAGE COMPARTMENT

The EH1672 is supplied with a remote control storage compartment on the side of the unit. See figure below.



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 building be fitted with smoke alarms (it is mandatory for new buildings).

PRODUCT SAFETY

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- 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.

PAT TESTING.

When used in an office environment we recommend that this product should be safety-tested yearly by a qualified electrician (PAT Tested).

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

OPERATION

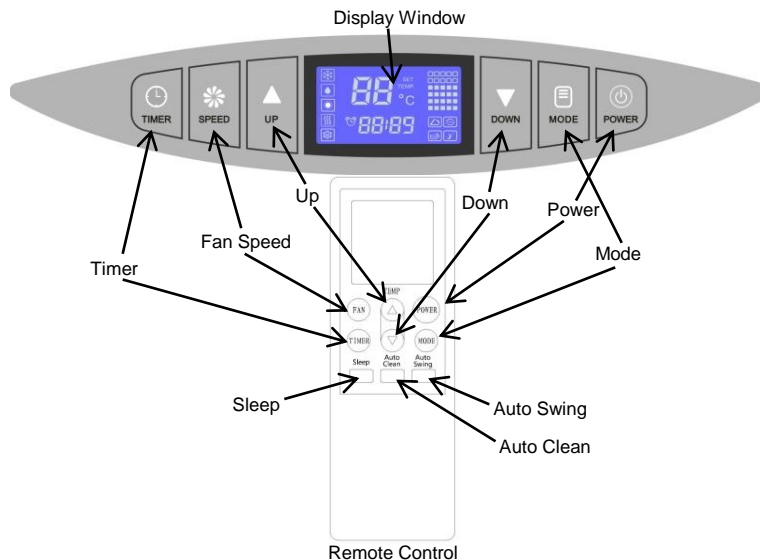
Leave the appliance in an upright position for 3 hours before first use.



Plug the mains lead into a 13 Amp mains socket (unless permanently installed)



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.

This unit can be operated from the front panel or via the supplied remote control.























Power Button: Press the  / Power button to start the unit. The  indicator illuminates when the appliance is ON. There will be a short delay (of about a minute) before the appliance starts to operate.







 / **MODE Button:** Select the mode by pressing the  / **MODE** button. The available modes are: COOL – DEHUMIDIFY (DRY) – HEAT – FAN – ENERGY SAVING





-  **COOL mode:** Cools the room to the desired temperature as set on the remote control or panel using the  or  buttons. The temperature can be set between 16°C and 30°C (60°F - 86°F) and the fan speed can be adjusted using the  / **FAN** buttons, the display will show the fan speed as /Lo, /Med and /Hi.
-  **Dry mode:** removes humidity (dehumidify), but does not affect room temperature. The fan operates at its lowest speed shown as . For best

results, do not use the exhaust tube, but fit a permanent drainage pipe to the drain outlet as shown on page 4.

-  **HEAT mode:** heats if the room temperature is below the selected temperature. Use the  and  buttons to select the desired room temperature. The temperature can be set between 16°C and 30°C (60°F - 86°F). When the temperature reaches desired level the compressor will stop, and the fan will continue to run. Heating performance reduces if the outdoor temperature falls below 7 °C. in this mode the fan will run at /Lo speed
-  **Fan mode:** circulates the air, but does not affect room temperature or humidity. The fan speed can be altered by pushing the  button, the fan has 3 speeds indicated by the /Lo, /Med and /Hi symbols on the unit display.
-  **/ Energy Saving:** The energy saving function on this unit runs the fan at /Lo speed only and sets the fan to run for 30s on then off for 2min 30s. The unit will also switch off the duct fan and compressor when the cooling temperature reaches the set level and will not switch on till the temperature rises above this level.

 **SLEEP** (Press  +  buttons at the same time on panel): When the sleep button is pressed the  icon appears in the LCD display and the fan runs at /Lo speed and cannot be adjusted. Only works in /HEAT and /COOL modes. In /COOL mode the set temperature will increase 1°C after 2 hours and a further 1°C after another 2 hours then remain constant. In /HEAT mode the set temperature will decrease 1°C after 2 hours and a further 1°C after another 2 hours then remain constant. The sleep mode will automatically be cancelled on any change of running mode.




 **TIMER:** This function allows an auto ON or OFF time to be set. The LCD display will show a flashing  symbol. The first 2 digits are for hours and the second 2 for minutes. You can use the  and  buttons to set the time in 30 minute intervals. If the unit is switched on and working then setting the timer will set the running time till the unit switches OFF. If you wish the unit to start in a pre-determined time then first turn the unit on and select the mode and temperature desired, and then power the unit down by touching the power button. Now push the /TIMER button and the display will show , now set the time till you wish the unit to start in 30 min intervals. The unit will start to count down and will start automatically with the last selected mode and temperature as set earlier.

 **SWING** (Press  +  buttons at the same time on panel): When selected the  icon will appear on the LCD screen and the horizontal louver will slowly raise and lower to distribute the air evenly. Press again to cancel.



Auto Clean: This option only works in Cooling, Heating and Energy saving modes. With this option on, the upper and lower fans run for 3 minutes after the unit is switched off to clean the evaporator and condensate tanks. This also helps to prevent mould build up in the cooling system and prolongs the life of the unit.

FAULT CONDITIONS

- **E4:** In /COOL mode, when the compressor has run continuously for more than 10 minutes and the air temperature of the unit is below 2°C/36°F for 20s or more the Unit will enter frost protection mode and E4 will show on the display. The compressor and lower fan will shut-down till the fan air temperature rises to above 8°C/46°F, at this point the unit will return to normal working conditions and the compressor will restart after approximately 3 minutes.
- : An audible alarm will sound and this icon will appear in the LCD display when the lower condensate tank is full. To empty the tank refer to the “Empty Condensate Tank” instructions on page 4.
- The unit has an auto-defrost function. When in operation during COOL mode the icon  will appear in the display till the auto defrost has been completed and the unit will return to normal operation.
- **CH01:** This fault code will show when there is a fault with the room temperature sensor. The sensor and related circuits should be checked by a qualified service agent.
- **CH02:** This fault code will show when there is a fault with the air temperature sensor. The sensor and related circuits should be checked by a qualified service agent.

MAINTENANCE

The unit should be cleaned regularly to maintain the best possible operating efficiency and performance.

Before any maintenance should be performed turn off the unit and once the fans and compressors have stopped unplug the unit from the mains supply and leave for 3 minutes.

- Surface Cleaning
 - a. Clean the surface of the unit with a soft damp cloth; do not use any chemical cleaners or solvents.
 - b. Clean and remove any dust and dirt from the louvers and air outlets.

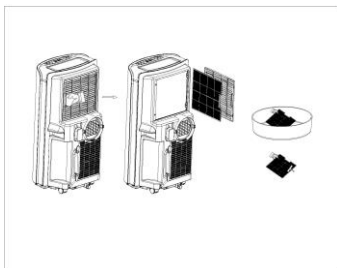
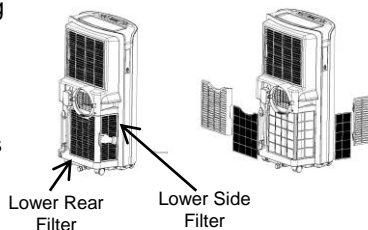
- Filter Cleaning

Clean the filter every two weeks as the condition of the filters will inhibit the efficient operation of the unit. Use warm water with a small quantity of detergent, do not use solvents.

To clean the filters follow the following instructions.

Lower Filters

First remove the covers by pulling the rear cover away from the unit followed by the side cover. See figure opposite. The filters can be unclipped from the frames and washed in warm water. The filters should be replaced in reverse order, side first then rear.



Upper Filter

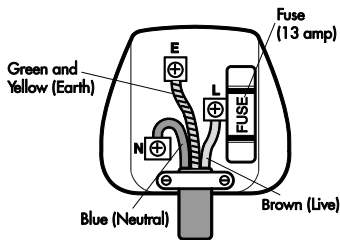
First remove the cover by pulling the rear cover away in the direction of the arrow. See figure opposite. The filter can be unclipped from the frame and washed in warm water.

- Storage

When the unit is to be left idle for a prolonged period please follow the procedure below.

- a. Remove heat exhaust hose by pushing the clips on the rear socket to the side with your thumbs and clean with a soft cloth
- b. Drain the condensate tank as per the instructions on page 4.
- c. Run the unit in fan only mode for 12 hours to dry out the unit interior.
- d. Turn off the unit and neatly wrap the power lead round the storage hooks at the rear of the unit and store the plug in the storage socket on the reverse of the unit
- e. Remove batteries from remote control and store in the remote control storage compartment on the side of the unit.

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

TROUBLESHOOTING

If you have any trouble operating this unit please see the table below for simple instructions on how to solve many common problems. Never attempt to open or service the unit and refer all servicing to qualified personnel.

Trouble	Cause	Remedy
The unit fails to start up	Power supply failure	Connect the unit to a live socket and turn it on.
	Water-full and the icon lit.	Drain the water in the unit.
	Ambient Temperature is too low.	It is recommended to use this unit between 7-40°C
	The room temperature is lower than the set temperature in cooling mode or higher temperature in heating mode	Change the set temperature
Poor cooling or heating performance	There is direct sunlight in the room.	Close the window curtains / blinds
	The doors and windows are open, the room is crowded or there are other heat sources	Close the door and window, remove other heat sources, and / or add new air-conditioners
	Dirty filters	Clean the filter mesh
	Air inlet or air outlet clogged	Remove the obstruction
High noise level	The unit has been placed on an uneven surface.	Put the unit at a flat and firm surface (may reduce noise)
The compressor does not work	Initiation of overheat protection.	Wait until the temperature drops, the unit will re-start automatically
The remote control does not work	Too Far	Bring the remote control close to the air-conditioner and ensure aimed at signal receptor on unit.
	The remote control signal not aimed at receptor on unit.	
	The batteries are low	Replace the batteries
"CH01" code displays	Room temperature sensor failure	Check the room temperature sensor and related circuits
"CH02" code displays	Tube temperature sensor failure	Check the tube temperature sensor and related circuits

"E4" code displays	Anti-Frost protection	Functions automatically resume once anti-frost protection has completed.
 Displays	Water tank is full	Drain the condensate tank and re-start the unit

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 EH1672 will cost £0.16 per hour to run in heating, cooling or dehumidifying modes, and £0.05 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.
- 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

		Unit	
Cooling capacity		Btu/h	12000
		W	3520
Heating capacity		Btu/h	13200
		W	3800
Power Supply		V	230~
Rated Input (Cooling)		W	1350
Rated Current (Cooling)		A	6.20
Rated Input (Heating)		W	1330
Rated Current (Heating)		A	6.20
EER for Cooling(R410A)		W/W	2.61
COP for Cooling(R410A)		W/W	3.09
Moisture Removal		L/h	1.4
Air Circulation		m³/h	430
Noise	High	dB(A)	55
	Middle	dB(A)	53
	Low	dB(A)	50
Product Size	W×H×D	mm	471×850×355
Packing Size	W×H×D	mm	540×880×398
Refrigerant		Type/Charge	R410a/560g
Net Weight		Kg	34.0
Gross Weight		Kg	38.0
Application Area		m²	16~22

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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