

HPAC 45 Smart

Cooling and Heat pump models



Operating Instructions & Safety Guide



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General Safety

- This equipment should only be used by a competent person who has read and understood these instructions.
- Check condition of equipment before use. If unit is showing any signs of damage contact your supplier immediately.
- Never operate this equipment if you are ill, feeling tired or under the influence of alcohol or drugs.
- Keep all vents and grills clear of obstructions.
- Keep children and animals away from electric powered equipment. Never leave them alone when the unit is in use.
- Make sure equipment is switched off and unplugged after use.

Electrical Safety

- This unit operates on a 415 volt 5pin 63amp power supply
- The power cable must be a minimum of 16mm² up to a maximum length of 40 meters. All cables over 40 meters will require a larger C.S.A of cable.
- Always inspect plugs and power cables for damage before plugging into power supply.
- DO NOT USE IF ANY DAMAGE IS FOUND.
- If an extension lead is used, ensure it is of the correct standard and fully uncoiled before use.
- Cables must not be laid in wet or damp areas.
- Do not move equipment while operating.

Getting started and operation

Position equipment on level ground.

Position away from any possible flammable materials.

Do not use within any zoned or hazardous areas.

Do not position chiller inside of any building or temporary structure

Keep at least 1 meter of clearance around the unit and dont restrict the air flow around the chiller

The HPAC 45 unit can only be controlled on outlet Air and not inlet Air

Fig 1
5 pin 63amp 415 volt Appliance inlet plug found on the HPAC 45



Fig 1

Fig 2 :
Connect the outlet Air Ducting to the top spigot 600mm (24")



Fig 2 :
Connect the inlet Air Ducting to the bottom spigot 600mm (24")

Fig 3 :
When the electrical supply is connected and turned on then the phase rotation must be checked inside the electrical panel. Yellow light indicates correct phase rotation.



Fig 3:
If phase rotation is incorrect then the controller will not light up and the unit will not work

Fig 4 : Control panel



Fig 4:
Carel 4 button controller Cooling and Heating is selected through the controller
Main isolating switch for power isolation



Fig 5:
Normal running conditions will have the outlet Air temperature displayed on the controller and the condensing fan motors on top of unit will only run when the unit needs to remove the heat from the condensing coil