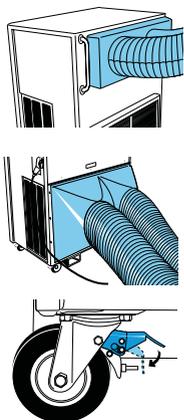


OPERATING INSTRUCTIONS

It is essential to familiarise yourself with all the controls before starting. The control unit has 4 modes: Cooling Mode, Heating Mode, Auto-changeover Mode and Fan Mode. Dehumidifier is an automatic outcome of cooling operation and has no setting options.

Note: It is important to run the unit at the temperature that the user desires and not the machine's minimum temperature. This can cause the condenser to freeze and stop the unit from running. If this occurs, switch the machine off for 30 minutes and let the condenser defrost. When the machine resumes working, raise the set temperature.

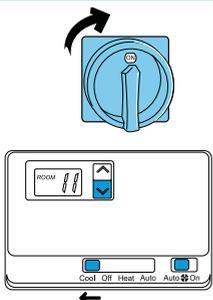
Setting Up:



1. Set the equipment up on a firm level surface.
2. Face the front of the unit towards the targeted space. If needed, use Flexible Outlet Ducting to direct air to the required place.
3. Make sure you don't obstruct pathways, fire escapes and its location is convenient for your work.
4. Think about proper positioning of the unit.
5. Be sure that exhausted air is not going into the targeted area. Alternatively use Flexible Exhaust Ducting for better climate control.
6. Lock the wheels and ensure that unit is stable.

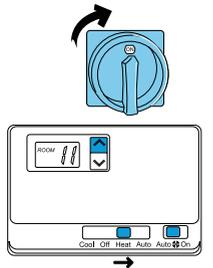
Note: A maximum of 6 metres of ducting can be run for the exhaust of the unit, with a maximum of a 90 degree turn in each length of ducting - ducting that is too long or has too many turns in it is used, then this may cause the compressor to cut out and stop the unit functioning.

Cooling Mode:



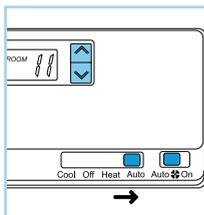
1. Connect the Climate Control to the power source and set the Power Switch to "ON"
2. Set the thermostat "system switch" to the COOL position.
3. Set the cooling temperature to the desired setting lower than the room temperature.
4. The compressor, outdoor fan and indoor fan should cycle on after the time delays have cycled.
5. To stop cooling, slowly raise the thermostat set point to a temperature higher than the ambient.

Heating Cycle



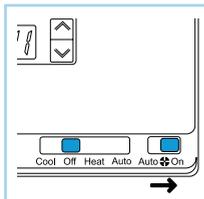
1. Connect the Climate Control to the power source and set the Power Switch to "ON"
2. Place the thermostat system switch to "Heat".
3. Set the heating temperature to the desired setting which is higher than the room temperature.
4. The fan and compressor should cycle on after time delay has cycled.
5. To stop, move the system switch to the "Off" position. All functions should stop.

Note: There is 10 minute delay when switching the machine between Cool and Heat mode, to protect the compressor. The compressor will stop running and then kick in again after the delay.



Auto-changeover Mode

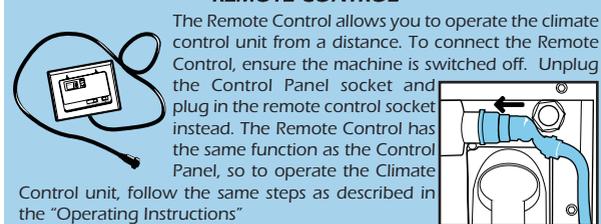
1. Connect the Climate Control to the power source and set the Power Switch to "ON"
2. Set the thermostat "system switch" in the Auto position.
3. The thermostat will automatically change from heat to cool mode, or vice versa.
4. Pressing the up and down buttons causes the thermostat to display the heat set temperature then the cool set temperature.



Fan Mode

1. Connect the Climate Control to the power source and set the Power Switch to "ON"
2. Place the thermostat system switch to "OFF".
3. Set the Fan Switch to "ON".
4. The fan should cycle on.
5. To stop, move the system switch to the "Auto" position and the Fan should stop.

REMOTE CONTROL



The Remote Control allows you to operate the climate control unit from a distance. To connect the Remote Control, ensure the machine is switched off. Unplug the Control Panel socket and plug in the remote control socket instead. The Remote Control has the same function as the Control Panel, so to operate the Climate Control unit, follow the same steps as described in the "Operating Instructions"

EQUIPMENT CARE

Never use equipment except for its intended purpose. If it will not do what you want with reasonable ease and speed, assume you have the wrong type of equipment for the job. Contact your local HSS Hire for advice.

Keep the equipment clean - you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

When not in use, store the equipment somewhere clean, dry and safe from thieves. Protect this equipment from frost and freezing conditions.

... have you been trained

The law requires that personnel using climate control units must be competent and qualified to do so. 10kW Climate Control training available at HSS Training Solutions
0845 766 7799



...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide

Manager

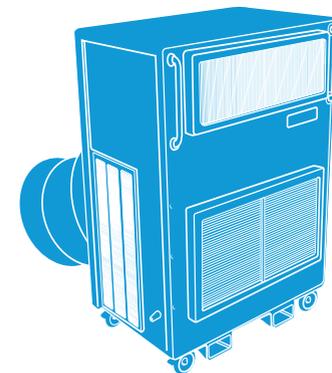
at the address below

e-mail: safety@hss.com

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Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS

Web Site: <http://www.hss.com>



10kW Climate Control Unit

Suitable for cooling server rooms, large offices and large industrial units. This unit allows the operator the option of positioning it outside. Can be used as a heater making it the ultimate climate control unit. It is ideal for cooling in the summer and heating in the winter.



INTRODUCTION

This manual contains installation, troubleshooting, and application information. The information contained in this manual is to be used by the installer as a guide only.

The guide contains general, descriptive information and provides an overview which can speed up the installation process.

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Hire.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.

This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.

This equipment should be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

  Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

   Wear practical, protective clothing, Wear safety goggles when servicing the refrigeration circuit. Be aware of hot surfaces on refrigerant circuit components. Be aware of sharp edges on sheet metal components. Use care when recovering or adding refrigerant.

 This equipment is heavy and is designed to be lifted by a fork lift truck. Never attempt to lift it on your own, always get help.

Never lift or move this equipment by its power supply cable. Use care when lifting or transporting equipment.

Transport the unit upright. Laying it down on its side may cause oil to run out of the compressor, resulting in damage upon start-up. If found on its side stand upright and leave for 24 hours before using.

Important

Units that have been turned on their sides or tops may have concealed damage to compressor motor mounts or to the oil system. If the unit is not upright, immediately follow these steps:

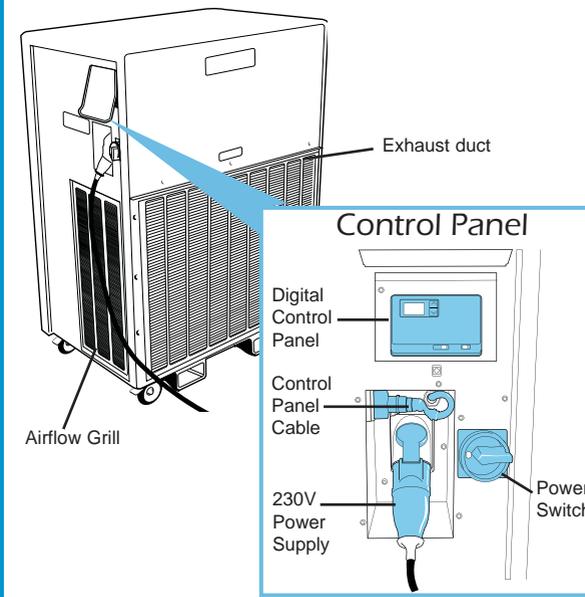
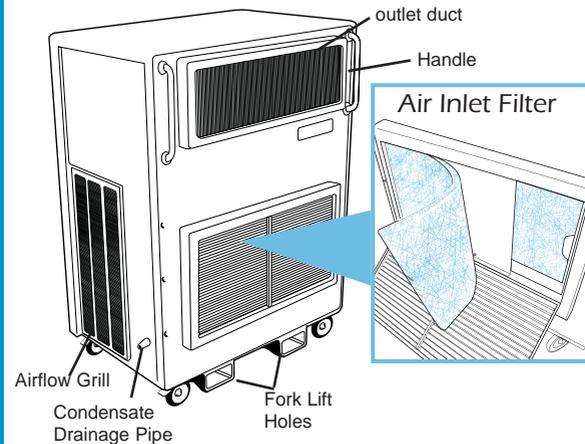
1. Set unit upright and allow to stand for 24 hours with primary power turned on.
2. Attempt to start the compressor after 24 hours.
3. If the compressor will not start, makes excessive noise, or will not pump, contact your local HSS Hire

Turn electrical power off at the breaker or fuse box before installing or working on the equipment. Line voltages are hazardous or lethal.

Observe and comply with all applicable plumbing, electrical, and building codes & ordinances.

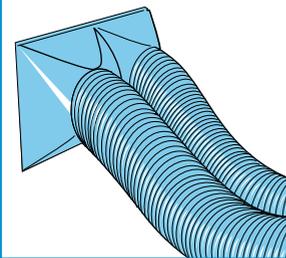
Never place anything on top of a cooler and never obstruct its air vents. Leave a 300mm gap all round to let air circulate..

IDENTIFIER



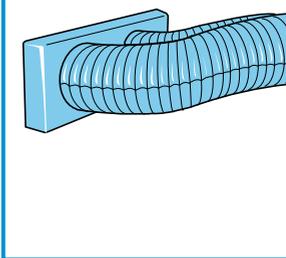
Exhaust Duct

Exhaust air out of area being cooled



Outlet Duct

Send cold air to area required



INSTALLATION REQUIREMENTS

Ensure all components are present

Condensate Drainage. The Enviromax heat pump can produce over 6 litres per hour of condensate during operation. This condensate must be disposed of to a suitable location eg. out of a window or down a drain.

The condensate drain can pump water up to 30m with a 7m head, the machine is supplied with a 10m length of condensate hose. If further lengths are required, contact your nearest HSS Hire.

Placement.

- A) Place the unit in a shaded area, if possible. (For units placed outside a building.)
- B) Install it above ground for protection against flooding.
- C) The unit exhausts air. Be sure that the airflow is not impeded by shrubbery or placed too close to a wall.

Airflow Requirements. Keep duct lengths as short as possible. Do not obstruct airflow through the unit.

Clearances. Airflow entering the outdoor coil from either side and exiting the coil from the front must not be hindered or obstructed. A minimum clearance of 600 mm is recommended from the front of the unit for service. Service access for the condensate pumps is from the right side of the unit when facing the supply and return air openings.

Codes. Make sure your installation conforms to all applicable electrical, plumbing, building, and municipal codes. Some codes may limit installation to single story structures.

Electrical Supply. The power supply must have the appropriate voltage, phase, and ampacity for the model selected. Voltage must be maintained above minimum specified values listed below. Refer to the unit data plate for ampacity requirements.

ELECTRICAL SAFETY

The 10kW Climate Control Unit plugs into a standard 230V 13Amp power socket.

If the equipment fails, or if its power supply cable or plug becomes damaged, return it. Never try to repair it yourself. Keep cables out of harms way, and clear of the work area.

Extension leads should be fully unwound and loosely coiled, away from the equipment. Never run them through water, over sharp edges or where they could trip someone.

Keep the equipment dry, using electrical equipment in very damp or wet conditions can be dangerous.

 To reduce the risk of electric shock, always use a suitable RCD (Residual Current Device) available from your local HSS Hire or power the equipment from a mains circuit with a built in RCD.

Ensure the machine and power socket are switched OFF before plugging into the power supply.

Note: For long term hires, it might be worth while having an electrician fix a 230v 16Amp plug for the machine to run from.

THE INTERNAL TRANSFORMER IS NOT DESIGNED TO POWER OTHER EXTERNAL DEVICES