

# HD 500 DV Dehumidifier



## Operating Instructions & Safety Guide



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### General Safety

- Dehumidifiers are for internal use only.
- 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 the dehumidifier. Never leave them alone in a room where the units are in use.
- Make sure equipment is switched off and unplugged after use.

### Electrical Safety

- This unit is dual voltage and can be used via a standard domestic 13 amp 230 volt socket or 110 volt power supply.
- ENSURE THE VOLTAGE SELECTOR SWITCH IS IN THE CORRECT POSITION BEFORE CONNECTING TO ANY ELECTRICAL SUPPLY.
- Always inspect plugs and power cables for damage before plugging into power supply.
- DO NOT USE IF ANY DAMAGE IS FOUND.
- Ensure cables are installed to prevent hazards.
- 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.
- Do not pull equipment by the power lead.
- It is recommended that the electrical supply to this equipment is protected by an RCD.

### Getting started and operation

#### Fig 1

Position equipment on level ground, position centrally in the area allowing free air flow.

Remove selector locking plate, select operating voltage required, re-fit locking plate.



Fit correct plug top to power input lead to suit operating voltage selected.

13 amp BS1363 230volt or 16 amp BS4343 Blue plug

16 amp BS4343 110 volt Yellow plug.

Connect plug to selected power supply outlet socket and switch on.



230V



110V

**Fig 2**

Connect condensate drain hose to suitable container or gravity drain.



Switch on machine via rotary switch.  
Position 0 : Off  
Position 1 : 230 volt.  
Position 2 : 110 volt.

ENSURE THE VOLTAGE SELECTOR SWITCH LOCKING PLATE IS IN THE CORRECT POSITION.

If the Dehumidifier is to be used in an unoccupied building where a gravity drain is not practical and to avoid the need to regularly empty a container. (Time scales can vary depending on humidity levels). The HD 500 DV can be supplied with a separate condensate pump. Up to 20 metres of flexible drain hose can then be routed to a suitable drain point.

## Humidity Control

Which automatically starts and stops the machines compressor when pre-set humidity levels are reached.

Many dehumidifying applications require humidity to be controlled at set relative humidity levels (RH) to avoid shrinkage of materials, cracking plaster, furniture etc.

The HD 500 DV has been designed taking this into account and can be supplied with a remote humidistat which automatically starts and stops the machines compressor when pre-set humidity levels are reached.

## Transport and Storage

**Fig 3**

The HD 500 DV can be transported and stored in a vertical or horizontal position only.



The operating position requires the folding support leg to be folded down and secured into position by the locking rings.