

BASIC TECHNIQUES

If the machine is draining into a container, empty this at regular intervals. At the same time, **check on the amount of water the machine is extracting from the air.** There will always be a certain amount of moisture collected because air naturally contains moisture, but the amount will become negligible as the room dries out.

Check the hose for kinks, damage or blockages at regular intervals. Ensure the intake filter is clear of debris and remove as necessary.

EQUIPMENT CARE

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

Make sure that both the unit's air inlets and outlets are kept clear, so that air circulates efficiently through the machine.

The **operating temperature** of the unit is **3° - 30° C.**

Note that the amount of water the unit can extract from the air will vary according to the weather and local conditions. However, if it does not appear to be drying as it should for no obvious reason, contact your local HSS Hire Shop for advice.

FINISHING OFF

Turn the unit OFF before unplugging the unit, and allow water to drip from the internal coils **for about 10 minutes, then press PURGE** to remove residual water.

Unplug the unit, and neatly coil the flex and drain hose, give the unit a final clean up ready for return, to your local HSS Hire Shop.

You should also **leave the unit to cool for a few minutes before handling it.**



... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent and qualified to do so.

Training is available at HSS Training
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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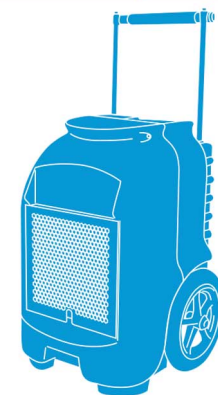
76 Talbot Road, Old Trafford, Manchester, M16 0PQ

www.hss.com

361/01

Operating & Safety Guide 361

HSS Hire



Pumped Dehumidifier

A two speed fan designed to aid surface drying or for cooling.



Code 56734

GENERAL SAFETY

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



There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

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.

Keep children, animals and bystanders away from the work area.

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

Take all necessary precautions to protect yourself and others against the possibility of contracting infectious diseases in your work environment.

Always switch OFF and unplug the equipment when not in use.

Do not work near flammable gases or liquids, petrol or paint thinner fumes for example. Keep combustible materials at a safe distance – at least 5m.

Make sure you know how to switch this machine OFF before you switch it ON in case you get into difficulty.

Make sure that anyone in the immediate work area is warned of what you are doing.

Always transport and store the unit in an upright position, never lay it on its side.

When siting the unit, consider the floor surface. Avoid placing the unit directly on to carpet or any other surface that maybe easily damaged.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to your local HSS Hire Shop.

ELECTRICAL SAFETY

The HSS Pumped Dehumidifier 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 harm's 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.

 **To reduce the risk of electric shock, always use a suitable RCD (Residual Current-Operated Device)**

available from your local HSS Hire Shop. 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.

GETTING STARTED

A dehumidifier works by drawing warm moist air through the unit and cooling the air to a temperature where the moisture will condense. The moisture is then collected and pumped out at preset intervals via a discharge hose.

If the dehumidifier is being used after flood damage, remove curtains, carpets and furniture from the room – for water logged carpets use a wet pickup vacuum, ask at your local HSS Hire Shop for advice.

Release the retractable handle by pushing the two release buttons located on the top of the unit and **pulling** the handle upwards until it 'clicks' into position.

Set the unit up on a firm level surface, either **in the middle of the room** or facing any specific wet patch. Once in position **fully retract the handle** back to avoid damage whilst on site.

Direct the drain hose into a suitable container or into a drain, via the discharge pipe.

Ensure hoses are kink-free along their entire length – otherwise water extracted from the air will back up and flood the dryer.

The maximum length of discharge pipe is 12 metres as fitted and **must not be extended** under any circumstances. If the discharge pipe is to be run over walls or to a point higher than the pump outlet **ensure the head distance does not exceed 6 metres in height.**

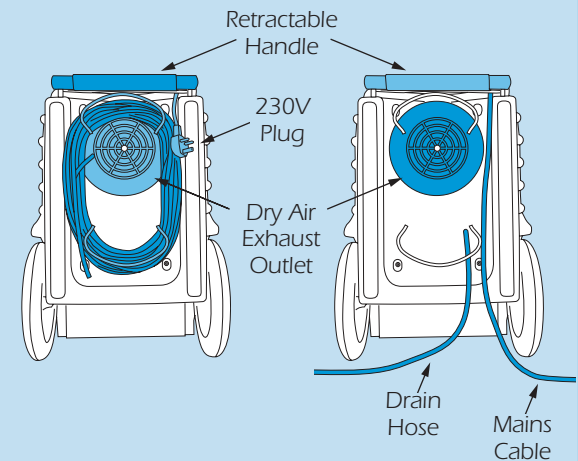
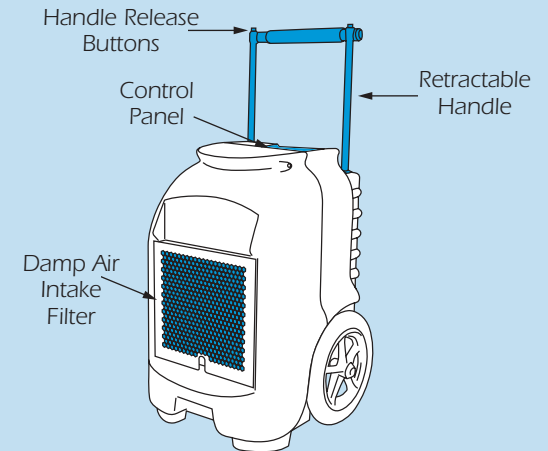
If the hose is to be directed into a separate container, you must seal the top of the container and around the hose with cling film – otherwise the water collected will re-evaporate into the atmosphere and slow down the extraction process.

All windows and doors must be fully closed, and if possible, tape up all joints to stop air from outside entering the work area.

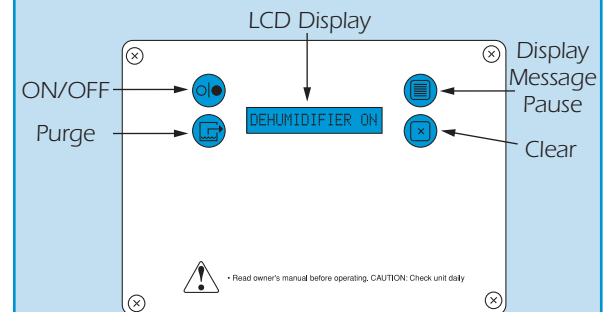
Allow the unit to settle for 30 minutes, after moving, or before switching ON.

Plug the unit into its power supply and **press the ON/OFF key to start the unit.** The LCD display will show a countdown of 60 seconds, once it reaches 0 the unit will start and the display will show DEHUMIDIFIER ON. The unit may now be left to get on with the drying process.

Pumped Dehumidifier



Control Panel



CONTROLS AND DISPLAY

ON/OFF When the unit is first plugged in, the display cycles through 3 messages: DEHUMIDIFIER OFF, TOTAL HOURS, and JOB HOURS. Press the ON/OFF key to turn the unit ON.

PURGE Push this button to remove water from the unit before tipping or moving. The purge also runs automatically every 6 minutes.

DISPLAY Press the display key to stop the display at DEHUMIDIFIER ON or OFF, TOTAL HOURS, or JOB HOURS when it is cycling.

CLEAR To clear the JOB HOURS, press the DISPLAY key to make steady the JOB HOURS reading, then press CLEAR to zero the display.

LCD ERROR MESSAGES

ER 1-2-3-4-5-6	Electronic malfunction, switch off and return the unit to your local HSS Hire Shop.
ER8	Touchpad key stuck. Press and release each key several times.
ER9	Check for obstructions in pump or drain hose.

The table below shows error messages that the system may detect. **If the display shows an "E" error code, first unplug the unit and then plug it back in. This may reset the electronics, and if so, no further action is required. If the error message reappears. Try the solution shown under "explanation".** If this still does not fix the problem, contact your local HSS branch.

ERROR CODES

Error Code	Explanation
E 3	Humidity sensor failure. Contact local HSS branch.
E 4 + beep	Condensate tank full or sensor failure. Unit stops and the beeper sounds twice every 5 minutes. Check drain hose for clogs and kinks. If problem persists contact local HSS branch.
E 5	Coil sensor out of temperature range or failure. Turn unit off and allow unit to return to room temperature. Turn unit on. If ER 5 displays again, sensor has likely failed. Contact local HSS branch.

HOW TO USE THE CONTROL PANEL

1. Control Panel Buttons - When any button is pressed, the backlight turns on. The backlight goes off after 30 seconds.

1.1 ON/OFF - Each time the ON/OFF key is pressed, the controller will cycle "on-off-on". When the unit is first plugged in, the unit will complete an automatic self-test before the ON/OFF are available for use.

1.2 Up ▲ key - Increase humidistat setting. Each press increases the setting in 1% RH increments to a maximum of 90% RH. Holding the key will increase the setting in 5% RH increments each second. Release the key to accept the desired RH setting.

1.3 Down ▼ key - Decrease humidistat setting. Each press decreases the setting in 1% RH increments to a minimum of 30% RH. Holding the key will decrease the setting in 5% RH increments each second. Release the key to accept the desired RH Setting.

1.4 Purge key - Use this button to pump out the condensate tank. The pump operates for approximately 30 seconds.

2. Functional mode description

2.1 Humidistat operation

1) Press ▲ and ▼ buttons to adjust the dehumidification level. The available range is 30%-90% RH. The default humidity setting is 60% RH.

NOTE: To operate the unit in continuous dehumidification mode, press the ▼ key until the 30% RH setting is displayed and then press the key again. The panel will display "CO" indicating the unit has entered continuous dehumidification mode. When setting the humidity, the set humidity display flashes. If no keys are pressed for 5 seconds, then the screen will show ambient humidity.

2) T Environment humidity - T set humidity ≥ 3 , the compressor and fan on.

3) T environment humidity - T set humidity ≤ 3 , the compressor stops and the fan runs. The compressor restart needs to meet. T environment humidity-T set humidity ≥ 3 and 3 minutes delay.



Know Your Symbols

HSS have created clear Icons to inform the hirer of their responsibilities towards the safe use of hire equipment.

These are designed to reduce the amount of different safety information labels required for each product for hire.

General use PPE / Warning

Clearly marked minimum PPE will be visible on all equipment,



Correct PPE must be worn



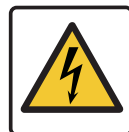
HAV Hand Arm Vibration



Danger Rotating blade



Danger Hot exhaust



Danger Electric shock



Caution Abrasive Wheel



Caution Finger trap

Fuel and Supply Types



Pe
Petrol



Di
Diesel



2t
2 - Stroke Petrol



EI
Electric

Safe Procedures

All hirers must understand and respect the safe procedures of all equipment.

It is the responsibility of the hirer to maintain and return the equipment in a clean condition and good working order.



Ro
Read OPS Guide



Ou
Outdoor Use only



HI
Heavy Lifting



Cd
Check Oil daily



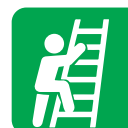
Cf
Check Fuel daily



Cw
Check Water daily



Bc
Battery Care



Sh
Safe Height Working



Swl
Refer to Data Plate



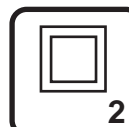
V
Check Power Voltage Data Plate

Electrical Safety

Safe wiring procedures.



Ea
Must be Earthed Class 1



Doi
Double Insulated Class 2



Enl
Earth Live Neutral Wire Coding

Return Responsibility

Charges apply to equipment returned dirty and damaged.



Cc
Cleaning Charge



Rc
Repair Charge