

TROUBLESHOOTING GUIDE

ALWAYS CONSULT THIS GUIDE BEFORE RINGING YOUR SUPPLIER; THE MAJORITY OF REPORTED PROBLEMS ARE SIMPLY SOLVED IN THIS MANNER

PROBLEM	POSSIBLE CAUSE	SOLUTION
UNIT FAILS TO OPERATE	POWER FAILURE	CHECK UNIT IS PLUGGED IN TO CORRECT POWER SUPPLY & UNIT SWITCHED ON
		CHECK PLUG FUSE FOR FAILURE & CORRECT RATING
		CHECK BUILDING RING CIRCUIT IS NOT OVERLOADED
POOR DRYING PERFORMANCE	UNIT IN AUTOMATIC DEFROST MODE	THIS IS NORMAL -WAIT FOR 30 MINS BEFORE RE-CHECKING
	COILS DIRTY OR (WHERE FITTED) FILTERS DIRTY	BLOW COMPRESSED AIR THROUGH COILS TO CLEAN
	AIR INTAKE/EXHAUST GRILLS OBSTRUCTED	REMOVE OBSTRUCTION CHECK QUOTED CLEARANCE DIMENSIONS AROUND MACHINE - RE-SITE IF NECESSARY
	TEMPERATURE OUTSIDE OF STATED OPERATING PARAMETERS	CHECK TEMPERATURE - IF TOO LOW, SWITCH UNIT OFF, ADD HEAT TO AREA BEING DRYED BEFORE SWITCHING UNIT BACK ON IF TOO HIGH, SWITCH UNIT OFF UNTIL TEMPERATURE REDUCES
WATER LEAKAGE	CLOGGED DRAIN TUBE	REMOVE BLOCKAGE
	WATER RECEPTACLE OVERFLOWING , OR UNIT OUTLET MISSING RECEPTACLE	EMPTY, CHECK UNIT OUTLET
	IF USING A HOSEPIPE, HOSE HIGHER THAN MACHINE OUTLET PIPE, OR HOSE BLOCKED	LOWER HOSE/REMOVE BLOCKAGE
	UNIT HAS BEEN MOVED WHILST WATER STILL IN INTERNAL DRIP TRAY	ENSURE INTERNAL TRAY IS EMPTY BEFORE MOVING UNIT
	UNIT ICED UP & THEN MELTED	UNIT RUN BELOW MIN TEMP
COMPRESSOR STOPS RUNNING	INPUT VOLTAGE TOO LOW	CHECK LINE VOLTAGE
	COMPRESSOR KLIXON OPERATED DUE TO EITHER EXCESS CURRENT OR TEMPERATURE	SWITCH UNIT OFF, LEAVE FOR 15 MINUTES BEFORE SWITCHING ON
	MOTOR/BLADE FAILURE/JAMMED	CHECK FAN BLADE SPINS FREELY
	AS FOR POOR PERFORMANCE	

IF NONE OF THE ABOVE SOLVES THE PROBLEM,
CONTACT SUPPLIER

DEHUMIDIFIER

KDD40P



RS Stock No.: 842-8178 (UK plug)

RS Stock No.: 839-5261 (Euro plug)



OPERATING INSTRUCTIONS

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GENERAL SAFETY – ALL MODELS

Please ensure you have read and understood these instructions fully, before attempting to operate this equipment. Failure to follow instructions could damage the compressor and will invalidate the warranty.

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

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

Always transport, store and operate this equipment in an upright position. DO NOT LAY UNIT DOWN!

ELECTRICAL SAFETY – ALL MODELS

These models plug into a single phase 220-240V (nominal 230V) 50Hz 13 amp power supply. See dataplate for more information.

These models are designed for internal use only. Do not use externally.

Extension leads should be correctly rated for the inductive load, fully unwound, loosely coiled and never run through water or over sharp edges.

To reduce the risk of electric shock, use a suitable RCD (residual current device).

VOLTAGE	PLUG SPECIFICATIONS
230	230V 13A Plug BS1363, fitted with 13A Fuse
110/115	110V/115V Plug BS4343/IEC309-2

The wires in the mains lead are coloured and must be connected as shown in the table below by a suitably qualified electrician or competent person.

OPTIONS

There are some options available when these models are purchased. These are described below.

Electronic Hour Counter

This indicates the number of hours the unit has run throughout its life. The counter is not resettable, so readings should be noted at the start and end of the drying cycle to determine the run time.

Humidistat

The humidistat senses the relative air humidity of the air where the dehumidifier is working. By adjusting the humidistat control, the humidity at which the machine operates can be altered.

When the chosen level is reached the dehumidifier will switch off, and will not switch on again until the humidity increases.

Condensate Pump

The operation of the pump is completely automatic. It is wired such that it has a live feed to it even when the units on/off switch is set to off, so long as the mains lead is connected to a switched on electrical supply. This ensures a purge operation will automatically be done if moisture collects into the pump AFTER the unit has been switched off at the machine!

Never pull the equipment by its flex.

Ensure both the unit and the electrical supply are switched OFF before plugging into the power supply.

These units may hold water in the drip tray; therefore, it is important to ensure that they are isolated from the electrical supply before moving and sufficient time is allowed for ALL moisture to drain from the coil.

Never remove any panels/covers whilst the unit is connected to the electrical supply. If problems are experienced, first consult the TROUBLESHOOTING section before taking any further action. Always contact the supplier if the problem cannot be easily and safely rectified. Maintenance should only be attempted by competent personnel in accordance with the instructions or supplier guidelines.

SET UP & OPERATION – ALL MODELS

Never operate the units in very cold conditions – they work properly at temperatures ABOVE 5°C. If the temperature in the room is above 35°C, then switch the unit off as the compressor could overheat, resulting in possible failure which would invalidate the warranty. In temperatures of approx 12°C or below, the cold coil may form frost and no water will be produced until the defrost cycle commences. This is normal.

Ensure windows and doors are shut and the area sealed where possible, to speed up drying process. When setting up or restarting, allow the unit to stand/settle *for 15 minutes* before switching on. Set the unit up on a firm, level surface at the lowest point of the area to be dried. Do not site the unit close to any surface sensitive to heat, cold or moisture.

Ensure the collected moisture is directed from the unit to a suitable container (builders bucket or similar), or away via a hosepipe. If the collected moisture is preferred to be drained to waste, fit a suitable diameter hosepipe to the outlet point of the unit, ensuring the hose is kept below the units' outlet point for its entire length, otherwise the unit will flood. Should a long length of hose be attached to the driptray outlet it is advisable to secure the driptray with two no 8 self tapping screws fitted into the predrilled holes on the sides of the unit. This will prevent the driptray working loose.

Plug the unit into the power supply and switch the supply ON. Press the rocker button to operate unit. The unit will now be running. Please allow a minimum of 10 minutes for it to begin drying.

EQUIPMENT CARE – ALL MODELS

Never use a dehumidifier except for its intended purpose.

Keep the equipment clean & especially the coil faces. Blow out the coils with compressed air.

Regularly check the water receptacle (every 3-4 hours) to ensure it does not overflow.

STORAGE – ALL MODELS

Switch the unit OFF and unplug from its power supply. Allow any accumulated moisture in the drip tray to drain away before moving unit. Ideally do not move unit for at least 15 minutes after switching off.

Ensure unit is kept upright at all times.

MAINTENANCE – ALL MODELS

ALWAYS DISCONNECT THE UNIT FROM ANY POWER SUPPLY BEFORE ATTEMPTING MAINTENANCE.

The front face of the cooling coil requires cleaning periodically whenever the accumulation of dust etc becomes noticeable. The frequency of this is dependant on the conditions the unit is exposed to, but should be done at least once a month minimum.

Remove the screws that join the two halves of the casing together & lift away the top part.

Carefully apply compressed air to the coil area to ensure that the dust is blown out of the unit.

Pay particular attention to the fan blade & motor, ensuring that the fan spins freely & is cleaned of any accumulated dust/debris.

Check that the drain outlet is clear.

All the internal parts are lubricated for life and no maintenance should be necessary, except periodic cleaning to prevent dust build up and maintain good airflow through the unit.

WARNING

FAILURE TO CARRY OUT MAINTENANCE WILL AFFECT MACHINE PERFORMANCE/LONGEVITY & COULD CAUSE MACHINE FAILURE OUTSIDE OF WARRANTY COVER!