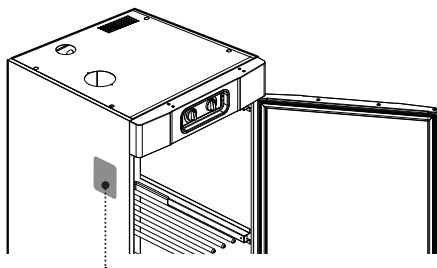


*Drying Cabinet*

**DC 5116-90**

## ARTICLE AND SERIAL NUMBER



*Identification plate (inside)*



Doc. No: 427000968-01

We reserve the right to  
changes.

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## ABOUT THIS USER MANUAL

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The contents of this user manual describe the **function** and **operation** of the drying cabinet. The manual also contains instructions for **installation** and **maintenance**.



**NOTE:** *Keep this user manual in a safe place, so that it will always be on hand for future reference.*

*This drying cabinet meets applicable safety requirements. Incorrect use may, however, lead to injuries and damage to property.*

*This advice on safe use is intended to enable you to avoid incorrect use and to reduce the risk of unnecessary accidents, and should be read prior to installation and use of the drying cabinet.*

**CAUTION:** This equipment is only intended to be used to dry fabrics washed in water.

- ❑ The drying cabinet must be installed and kept indoors.
- ❑ The drying cabinet can be used by children aged 8 or over and persons (including children) with physical, sensory or mental impairments, provided they have received guidance or information on how to use the drying cabinet safely and understand the risks that can occur.
- ❑ Do not allow children to play in or on the drying cabinet. Keep an eye on children when they are in the immediate vicinity of the cabinet.
- ❑ Cleaning and maintenance must not be carried out by children without supervision.
- ❑ If the mains lead is damaged it must be immediately replaced. Replacement mains leads should only be fitted by the manufacturer, the manufacturer's service agent or other qualified electrician.
- ❑ Follow **Gram** instructions when repairing and replacing parts.

## **FOR A GOOD ENVIRONMENT**

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### **PACKAGING MATERIAL**

The packaging that protects the drying cabinet against damage in transit has been chosen with concern for the environment in mind and is therefore recyclable.

Recycled packaging means reduced consumption of raw materials and lower levels of waste.

### **MANAGEMENT OF END-OF-LIFE DRYING CABINET**

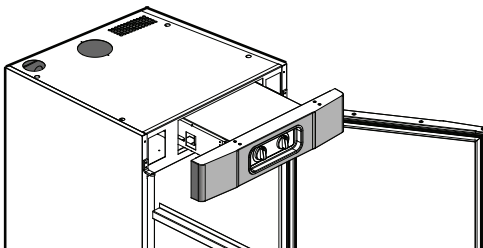
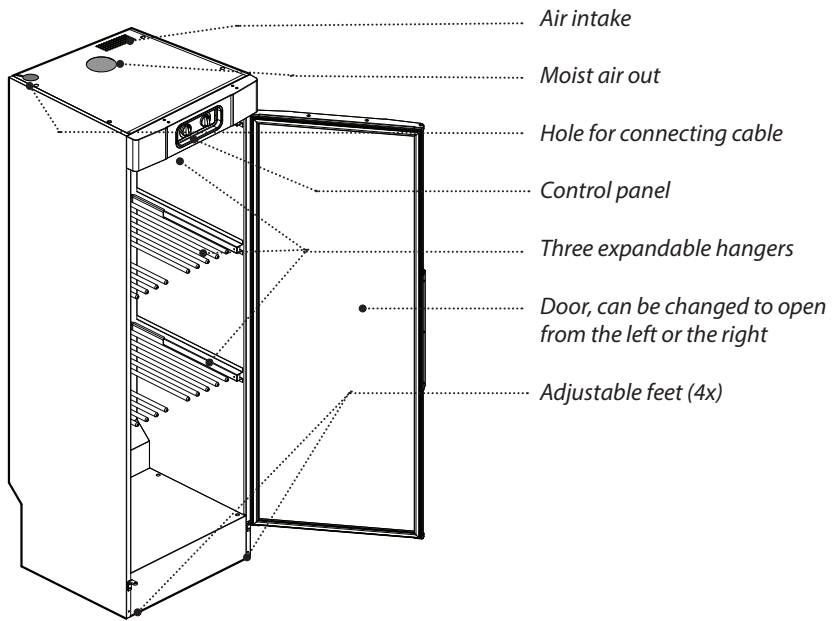
When the drying cabinet has reached the end of its life, it must be taken to a recycling centre for disposal. Many parts can be re-used, but the cabinet also contains other material that must be handled correctly. You should therefore never dispose of a drying cabinet or parts of a cabinet with the domestic refuse as this can lead to health risks and harm the environment.



Take the end-of-life drying cabinet to a recycling station instead. Check with your dealer if necessary.

All the plastic parts of the drying cabinet are marked with internationally standardised symbols. The parts can therefore be recycled in an environmentally friendly way by waste separation.

## DESCRIPTION OF THE DRYING CABINET




### **Service module**

The heating and fan components are combined in a removable service module.

# INSTALLATION

## UNPACKING



**The drying cabinet must be handled carefully if it is only standing on its wooden pallet. *RISK OF TIPPING OVER***

*Check that the product have not been damaged in transit.*

*The drying cabinet must be installed and kept indoors.*

*After unpacking, check that the goods are in good condition. Damage, faults and any missing parts should be immediately reported to your dealer.*



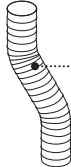







*Check that all transportation aids have been removed before connecting the dryer.*

*Packaging materials such as plastic and styrofoam should be kept out of the reach of children.*

### Complete delivery should include:

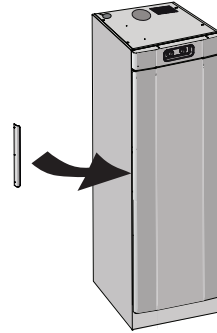
- ☐ A cabinet with a fan unit installed
- ☐ Assembly kit
- ☐ User Manual

### Assembly kit

	Draught stabiliser	Qty. 1		Nylon plug	Qty. 2
	Hose	1		Spacer 8.2x12x15	2
	Sleeve	1		Cover plug, white	4
	Screw TRX 5x70 fzk	2		Door handle with fixing screws	1
	Washer NB 5x25	2		Allen key	1

### FITTING THE DOOR HANDLE

Fit the door handle with the fixing screws supplied.

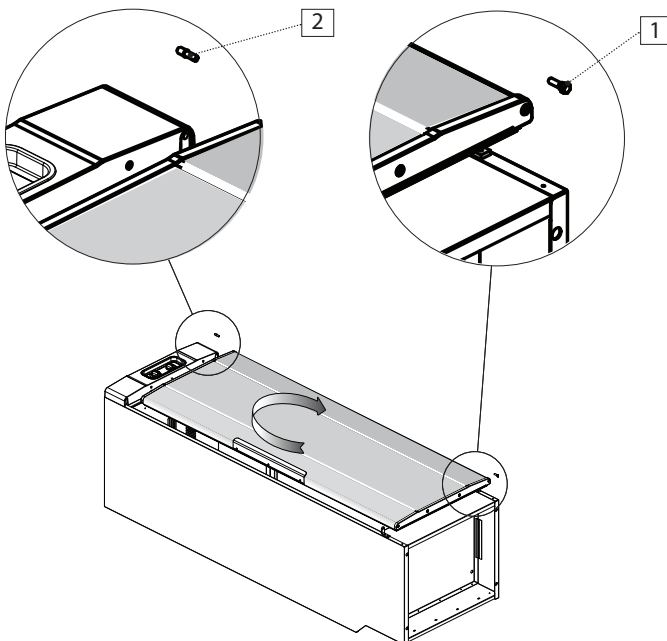


### REHANGING THE DOOR

The door can be hung on the right or the left.

#### **A Lower hinges are premounted on both sides**

- 1 Lay the drying cabinet on its back.
- 2 Undo the hinge pin from the bottom hinge (1) and lift off the door.
- 3 Undo the plastic plug and insert it in the opposite-side lower hinge.
- 4 Undo the hinge pin from the top hinge (2) and place it on the opposite side.
- 5 Rotate the door, align and secure the door with the lower hinge pin (1).



## INSTALLATION

### ***B Lower hinge missing on opposite side***

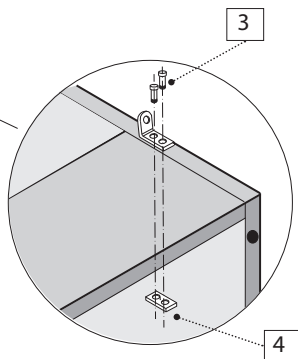
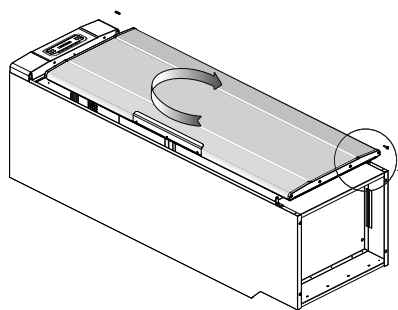
Some models do not have a lower hinge mounted on both sides. In this case the existing hinges must be moved to the required side. The hinge is attached with two screws and threaded washers as illustrated.

Note that the washer is not attached to the cabinet frame.

### ***Rehanging the door when the cabinet is lying on its back***

- 1 Undo the hinge screws (3).
- 2 Screw the threaded washer back on (4). On the opposite side there is a threaded washer already pre-mounted.
- 3 Mount the hinge in its new position.
- 4 Undo the hinge pin from the top hinge (2) and place it on the opposite side.
- 5 Rotate the door, align and secure the door with the lower hinge pin (1).

*After the hinge has been mounted on the opposite side, threaded washers must be refitted in their former position. This increases the stability of the cabinet.*



### *Rehanging the door when the cabinet is fixed to the wall*

The door can also be rehanged when the cabinet is already screwed to the wall and thus cannot be laid on its back.

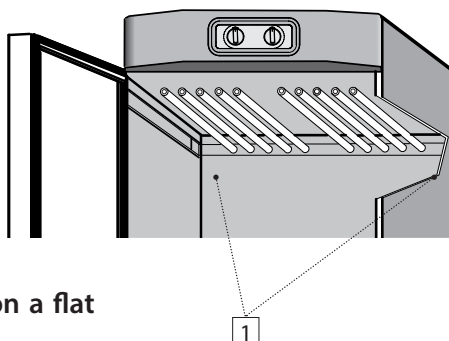
- 1** Undo the lower hinge pin **(1)** from the bottom hinge and lift off the door. The pin is fastened using a No. 10 sized key.
- 2** Undo and unscrew the upper of the two hinge screws **(3)** and loosen the lower one a little. Rotate the hinge to the side. Refit the upper screw.
- 3** Undo the lower mounting screw and remove the hinge. Refit the screw.
- 4** Mount the hinge in its new position in reverse order, i.e. start by securing the hinge with the lower screw. This prevents the threaded washer from becoming loose which could make it difficult to access the inside of the base.
- 5** Undo the hinge pin from the top hinge **(2)** and place it on the opposite side.
- 6** Rotate the door, align and secure the door with the lower hinge pin **(1)**.

# INSTALLATION

## POSITIONING / FIXING THE CABINET

*The drying cabinet is only designed for operation indoors in a dry environment .*

*The drying cabinet should not be installed in a location where high pressure water is used for cleaning.*



- ❑ The drying cabinet must stand **level on a flat surface** and rest on all four feet.

Use the Allen key supplied and correct the position of all four adjustable feet through the holes in the base plate of the drying cabinet.

Press the four cover plugs down firmly into the holes.

- ❑ The drying cabinet must be screwed to the wall to prevent tipping.

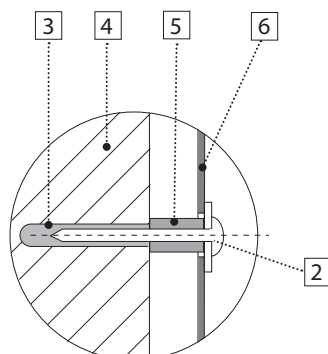
**1** Open the front door and drill 8 mm holes in the wall through the two pre-drilled holes in the rear of the drying cabinet.

**2** Mark the position of the cabinet on the wall and lift the cabinet away.

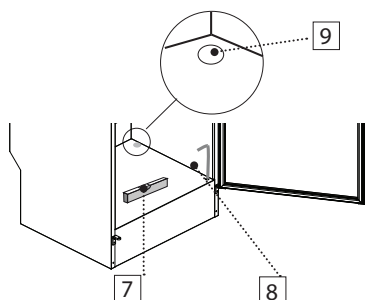
**3** Install the plastic plugs in the wall and move the cabinet back.

**4** Thread the spacer onto the screw and install with washer as illustrated. Screws are provided in the assembly kit.

Secure the cabinet to the wall.



1. Pre-drilled holes
2. Attachment screw with washer
3. Plastic plug
4. Wall behind the drying cabinet
5. Spacer
6. Drying cabinet back wall
7. Spirit level
8. Allen key
9. Cover plug



### WARNING

*The drying cabinet must not be used without being screwed to the wall due to risk of tipping forwards.*

### EXHAUST / SUPPLY AIR

When the drying cabinet is working, about 45 m<sup>3</sup> of moist air are evacuated per hour. This air is taken from the room where the dryer is sited. Hence make sure air can enter the room to replace the moist air leaving.

### EXHAUST CONNECTION

The drying cabinet should be connected to a standard exhaust air ventilation system.

The drying cabinet can be connected to an exhaust duct in two ways: either with **a draught stabilizer** or rigidly connected to **a mechanical exhaust air ventilation system**.

If the drying cabinet is to be connected to an existing ventilation system, a draught stabilizer must always be used, so that the general ventilation in the room is not affected.

Only use a rigid connection when a separate exhaust air duct has been provided for the drying cabinet. The air flow in the exhaust duct should be adjusted to 45 m<sup>3</sup>/hour.

***The drying cabinet has been tested and set at the factory for connection with a draught stabilizer.***

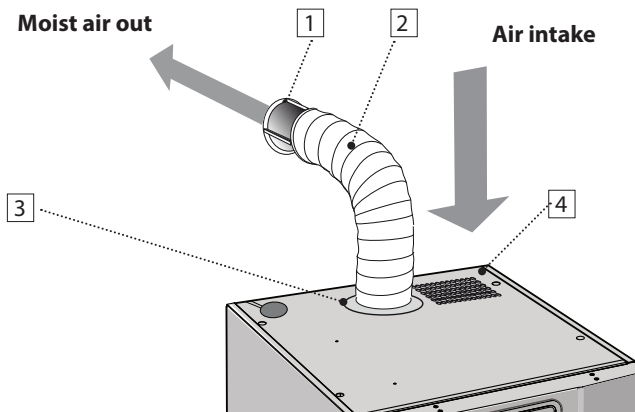
#### 1. By means of a draught stabilizer

Fit the sleeve supplied to the hose. Affix the sleeve and hose to the dryer top.

Connect the other end of the hose to the **draught stabilizer** which should then be firmly attached to the exhaust valve in the room.

 ***The drying cabinet must not be connected to a fireplace duct.***

 ***The air intake must not be blocked.***



1. Draught stabilizer
2. Hose
3. Sleeve
4. Air intake

## INSTALLATION

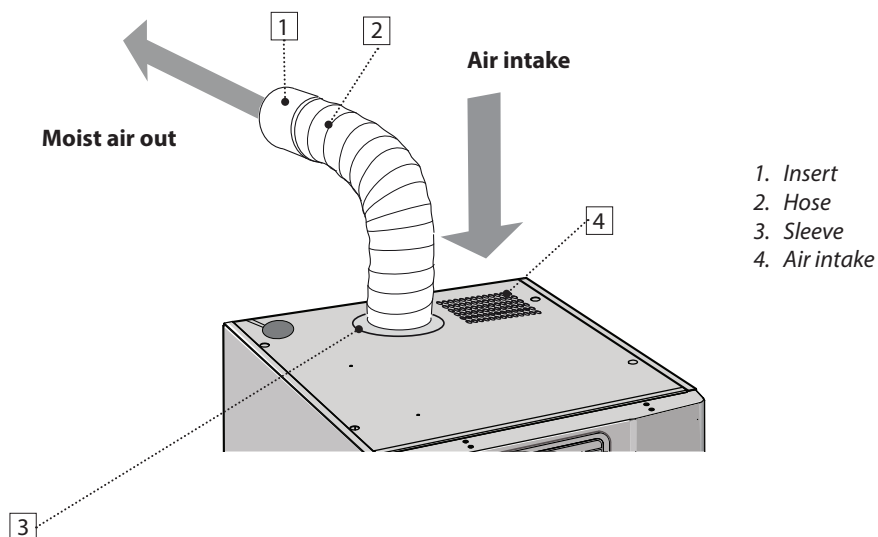
### 2. Permanently installed and connected to a mechanical exhaust air ventilation system

When the drying cabinet is permanently connected to the evacuation duct, the whole room is ventilated by way of the drying cabinet.

Fit the sleeve supplied to the hose. Affix the sleeve and hose to the dryer top.

*The insert is not supplied.*


**⚠ The air intake must not be blocked.**



### ELECTRICAL CONNECTIONS

The drying cabinet should be connected to a 230 V single-phase 50 - 60 Hz grounded socket.

The drying cabinet is supplied ready for connection with a cable with a grounded plug.

 ***The drying cabinet must be connected using the plug supplied to a grounded wall socket, and should not be permanently connected.***

*The drying cabinet must only be connected to a grounded socket installed in accordance with applicable safety regulations. After installation the wall socket must be accessible so that the power supply to the drying cabinet can be disconnected at any time.*


*Check that the supply current matches that stated on the identification plate and that the mains lead is grounded correctly according to standards in force. We recommend that the mains lead be fitted with a **residual current device (RCD)**.*

*Appliance must be connected to a dedicated circuit.*

*The drying cabinet must not be connected using an extension cable as the necessary safety cannot be guaranteed (risk of overheating).*

If the power cable is damaged in any way, it must be replaced.

Contact Gram Service.

 ***NOTE: If the mains lead is damaged it must be immediately replaced. Replacement mains leads should only be fitted by the manufacturer, the manufacturer's service agent or other qualified electrician.***

*The manufacturer cannot be held liable if the electrical connections are not carried out as prescribed in this manual.*

## USING FOR THE FIRST TIME

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*Read this user manual before using the drying cabinet for the first time.*



**CAUTION:** *Read the safety instructions on page 5 before using the cabinet.*

- 1 Check that the cabinet is firmly secured to the wall. See page 12.
- 2 Check that no packaging material has been left in place.
- 3 Use a mild detergent and warm water to wash the inside and outside of the drying cabinet. Dry carefully. See also the section headed '**Care**' later in the manual.

In the cabinet there are three sections with hangers. Every section has a number of bars on which to hang the washing.


- ❑ Hang the articles in the drying cabinet according to how much room they require - not according to their weight.
- ❑ For optimum efficiency - do not lay articles flat on the upper hanging section.
- ❑ Long clothes nearest to the walls of the cabinet and shorter ones towards the centre. By hanging the washing in this way the most efficient drying results are attained.
- ❑ Turn up the two lower hanging sections if long clothes are to be dried.
- ❑ Hang gloves, caps, scarves and suchlike on the hanger strips on the inside of the door.
- ❑ Pull the upper hanging hooks forward in order to hang the washing more easily. Return when not in use.
- ❑ Do not overload the drying cabinet. If you do, the washing will become creased and dry uneven. Instead, leave a certain distance between items of washing, if this is possible
- ❑ To avoid transfer of colours, make sure materials do not contact each other.
- ❑ Avoid drying heavy garments at the same time as lighter items as they hold more moisture and have completely different drying times.
- ❑ Remember not to hang knitted articles. These can be needlessly stretched when they are heavy with water.

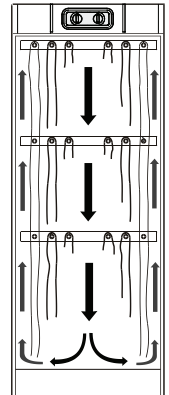
### USER TIPS

- ❑ Always follow the washing instructions on garments if such instructions are provided.
- ❑ If fabric softener or antistatic product is used, the manufacturer's instructions concerning the utilisation of the product should be followed.
- ❑ Take out washing that is already dry. This reduces drying time for the washing that is left.
- ❑ Adjust the drying temperature in the cabinet for products containing foam rubber or similar material. Follow closely the manufacturer's instructions for washing and drying such products.

### AIRFLOW

The illustration shows the air flow in the drying cabinet.

 **Keep the area around the evacuation duct clear of dust and dirt.**  
**Make sure that the air intake and exhaust air duct are not blocked.**

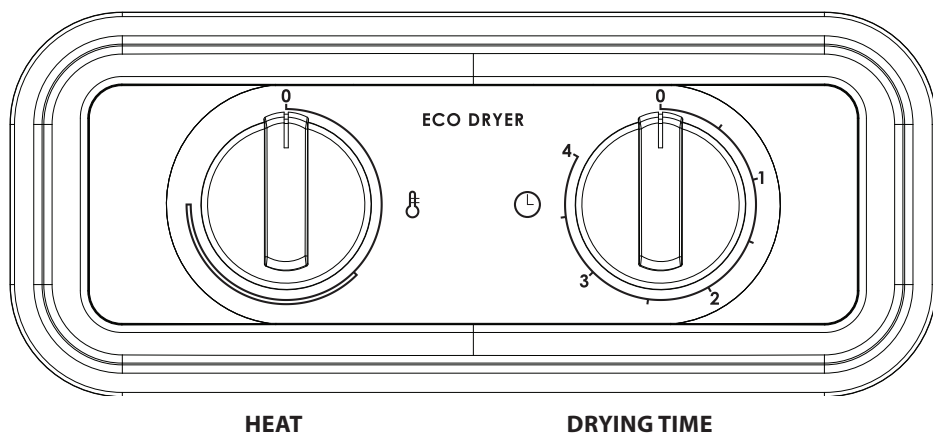


**NOTE:** When the cabinet is cold, it can happen that the sealing strip in the door does not close completely. However, this is fully compensated when the cabinet warms up as the sealing strip expands.

## OPERATION

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### CONTROL PANEL



### SETTINGS

The drying cabinet is equipped with two knobs for different settings.

The left-hand knob controls heat with settings on a steplessly adjustable scale.

The right-hand knob controls drying time steplessly up to four hours.

If a fast drying result is wanted, turn the heat knob to max and set the timer to two hours. For the more normal drying time set the heat knob just after the start of the semi-circle and the timer between three and four hours, which results in substantially lower energy consumption.

## CLEANING



**NOTE: High-pressure cleaning must not be used!**

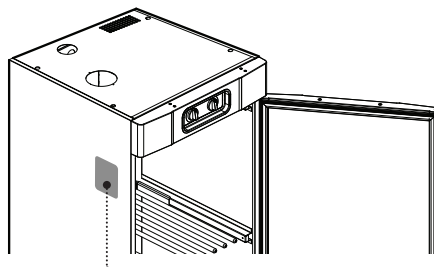
- ❑ The walls of the cabinet should be cleaned with a mild soap solution on a damp cloth.
- ❑ Dust frequently gathers around the air intake orifice under the cabinet and on the upper part of the cabinet. This can disrupt operation of the cabinet, leading to stoppages.

To avoid this problem, the dust should be removed by suction from the air intake orifice and the top of the cabinet at least once a year or more often depending on the environment the cabinet is located in.

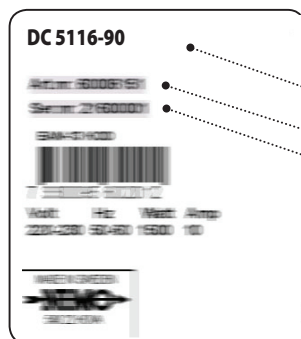
## SERVICE

**Before contacting Gram Service**, you should find out the name, article and serial number of the cabinet.

This information can be found on the data plate located inside the cabinet.



Identification plate (inside)



Name of the drying cabinet

Article number

Serial number (12 digits)

**Follow Gram instructions when carrying out repairs or replacing parts.**

## **BREAKDOWNS**

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### **OVERHEATING PROTECTOR**

The drying cabinet is equipped with an overheating protector that trips if the temperature in the cabinet becomes too high. When the protector trips, the power supply to the element is disconnected

If this happens, switch off the fan by **turning the timer knob back to '0'**, and then start the fan by **turning the timer knob**.

If breakdowns occur repeatedly, contact your supplier.

Try to remedy the fault as described below before calling for assistance.

<b>Fault</b>	<b>Cause</b>	<b>Action</b>
The washing does not dry as expected.	<ul style="list-style-type: none"><li>• The main fuse in the building has tripped.</li><li>• The drying cabinet is being used in a room with a temperature below 0°C.</li><li>• Poorly spun washing or very wet washing.</li><li>• Has the washing been hung up correctly?</li><li>• Is the vent tube/hose too long?</li><li>• Heat and/or timer knob has/have not been set correctly.</li><li>• Has the heat knob been set too low?</li></ul>	<ul style="list-style-type: none"><li>• Check.</li><li>• Installation in a room with a temperature above 0°C is required for normal function</li><li>• Check what has been hung in the drying cabinet.</li><li>• See section on 'Positioning the washing'</li><li>• The length should not exceed 1 m.</li><li>• Check the setting.</li><li>• Check the setting.</li></ul>

# FAULT-TRACING

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Fault	Cause	Action
Drying cabinet does not emit any heat	<ul style="list-style-type: none"><li>• Is the plug connected?</li><li>• Is the fuse intact?</li><li>• Is the right fuse being used?</li><li>• Is the cabinet door closed?</li><li>• The overheat protector is defective.</li><li>• The heat and/or timer knob has/have not been set correctly</li><li>• The overheating protector has tripped.</li></ul>	<ul style="list-style-type: none"><li>• Check</li><li>• Check</li><li>• Replace with slow-acting fuse</li><li>• Check</li><li>• Check Customer Service</li><li>• Check the setting.</li><li>• Turn the knob back to '0' and wait 30 min. Then try again by activating the heat knob and then start the fan by turning the timer knob.</li></ul>

## TECHNICAL DATA

<b>Capacity:</b>	approx. 4,0 kg washing (cotton)
<b>Dewatering capacity:</b>	17 g/min.
<b>Electrical connections:</b>	single-phase 230 V, 50-60 Hz
<b>Motor:</b>	35 W
<b>Heating element:</b>	1500 W
<b>Overheating protector:</b>	Yes
<b>Timer:</b>	Can be set up to 4 hr
<b>Fan capacity:</b>	180 m <sup>3</sup> /h
<b>Hanging length:</b>	16 metres
<b>Dimensions:</b>	<i>Height:</i> 1900 mm <i>Width:</i> 595 mm <i>Depth:</i> 615 mm

### MANUFACTURING STANDARDS

See cabinet identification plate

### WIRING DIAGRAM

Wiring diagram can be ordered from manufacturer.

<b>Weight:</b>	approx. 56 kg
<b>Sound level:</b>	max 60 dB (A)

## ENERGY CONSUMPTION AND DRYING TIMES FOR DRYING OF SPUN WASHING \*)

Setting	Energy consumption kWh/kg washing, max	Drying time	Heat
Economy	0.5	<i>approx.</i> 3 hours	45°C
Fast	0.7	<i>approx.</i> 2 hours	60°C

\*) Given values may vary depending on:  
- spin speed  
- temperature and air humidity in the room  
- air circulation in the room (supply air, exhaust air)

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