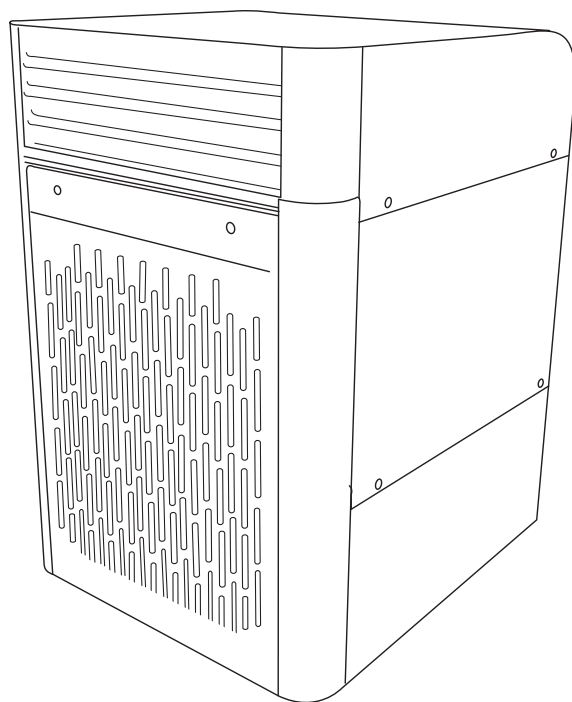


Manual



A 75



SAFETY

Warning signs and instructions on the product

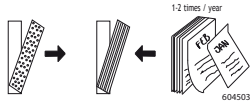


WARNING!

The dehumidifier must not be covered so that the air inlet or air outlet are obstructed.



Read the instruction manual carefully and ensure you understand the content before using the dehumidifier.



The filter should be replaced 1–2 times per year. Also refer to the “Maintenance” section.

Safety during assembly

Electrical connection to power outlets and any additional equipment, e.g. timers, shall be performed by a qualified electrician.

Safety during use

The humidifier’s air inlet and outlet must never be covered during operation. Protective hoods and cover plates must never be removed during operation.

- The device may be used by children over the age of 8, persons (including children) with physical or mental disabilities or lack of knowledge or experience, provided they have received instruction or information on safe use of the device and understand the potential risks. Children may not play with the device. Children may not clean or perform maintenance on the device without supervision.
- However, the product is suitable for use in situations where there are persons (including children) with reduced physical or mental capacity or diminished responsibility.
- If children are in the proximity of the product, they must be informed that the product must not be used as a toy or a plaything.

Safety during service/maintenance

Before performing any maintenance work on the dehumidifier, the dehumidifier must be disconnected from the electrical supply. This is done by switching off the main (operating) switch.

All maintenance on the electrical system must be performed by qualified electricians.

All maintenance on the cooling system must be performed by qualified cooling technicians.

Always wear protective gloves when cleaning the evaporator and condenser, to avoid cuts.

PERSONAL PROTECTIVE EQUIPMENT

Use gloves when replacing the air filter. Put the spent filter in a bag and close it.

Always wear protective gloves when cleaning the evaporator and condenser, to avoid cuts from the sharp fins.

MINIMUM EXPERTISE REQUIRED

Any service and installation work must be performed by authorised staff or the manufacturer.

INTRODUCTION

DESCRIPTION

Drying room dehumidifier A 75 is designed for drying laundry in communal drying rooms, e.g. in rented accommodation. The dehumidifier can be fitted with a drying pipe system for laundry.

These instructions refer to free-circulation dehumidifier A 75.

The A 75 is a condensation dehumidifier, and is based on the principle that air moisture condenses on cold surfaces.

The surface of the evaporator is cooled as the compressor transfers heat from the evaporator to the condenser.

The dehumidifier is equipped with a fan that transports the air through the dehumidifier. The air first passes through a replaceable progressive filter. After this the air passes to the evaporator, where the moisture condenses and is deposited on the evaporator.

The water is collected in a tray fitted under the evaporator and is drained away. The air then passes through the fan and the condenser. In the condenser, the air is warmed up and the condenser is simultaneously cooled. If necessary, the air can then be heated in the thermostat-controlled heating coil before leaving the dehumidifier. The dehumidifier housing is made of powder-coated aluzinc sheet.

NOTE!

The section concerning safety shall be read and understood by all who use or repair the A75 dehumidifier. These instructions regard operation and maintenance that can be performed by the operator. More detailed service or troubleshooting may only be performed by the manufacturer’s service staff. The user instructions describe all the necessary safety features. The user should read the instructions carefully before connecting the A75 dehumidifier to the electrical supply. In other words, the first action after delivery is to read through the operating instructions. Symbols and warning signs that appear in these instructions and on the A75 dehumidifier are shown on this page. If any of the warning signs on the A75 dehumidifier are damaged or worn, new signs must be ordered and attached as soon as possible to ensure maximum safety during use of the A75 dehumidifier.

The dehumidifier may only be used for the purposes described in these instructions.

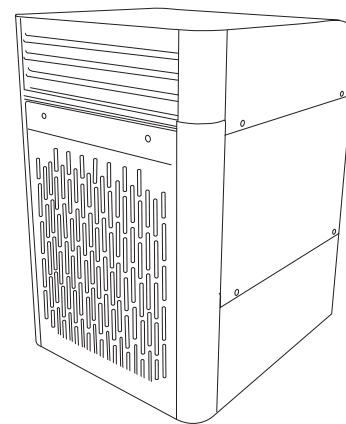
The manufacturer reserves the right to make changes.

APPLICATION AREA

The A 75 dehumidifier is designed for drying laundry in communal drying rooms, e.g. in rented accommodation. The dehumidifier can also be used for other types of drying and climate control in other premises. The dehumidifier is intended for use in heated rooms. + 15–35°C.

TECHNICAL DATA

Dimensions H x W x L:	680 x 470 x 490 mm
Weight:	46 kg
Electrical connection:	1N~230V
Fuse:	10A, slow
Rated power:	2030W
Auxiliary heating:	1000W
Air flow, free circulation:	800 m ³ /h
Refrigerant, type:	R134a
Carbon dioxide equivalents (CO ₂ e):	500kg
Refrigerant, quantity:	350 g
Noise level (1 m in front):	67dB (A)
IP rating:	X4
Working range, temp:	+15–35°C
Working range, RH:	30-99%
Capacity:	Max 1,3 l/h (0,7 l/h at + 20°C 60% HD 1,3 l/h at + 30°C 80%HD)



* The product contains fluorescent greenhouse gases.



EU Declaration of Conformity see www.elbjorn.com

INSTALLATION

POSITIONING

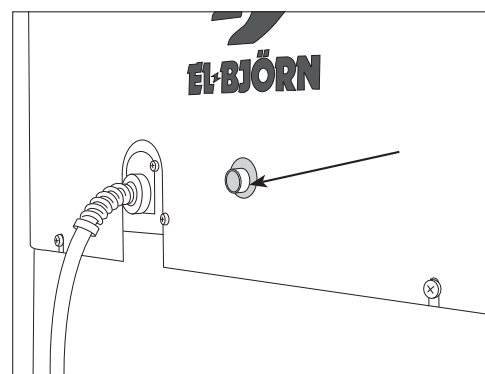
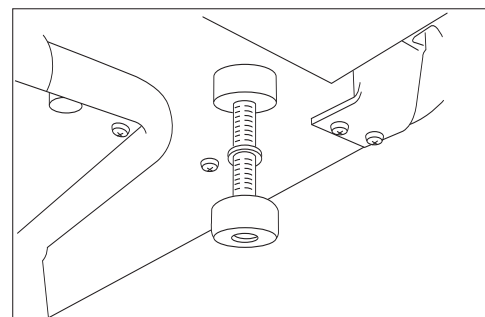
Position the dehumidifier horizontally on a wall console or floor frame. Wall console and floor frame can be ordered as accessories. As an alternative, the device can be placed on a floor console or another flat, stable surface close to a wall. Adjust the feet so that the dehumidifier is horizontal.

When the dehumidifier has been supplied together with the pipe system, it is important that the height is correct with regard to the base pipe of the pipe system. (Refer to installation instructions for pipe system.)

WATER DRAINAGE

The drying room dehumidifier is fitted with an outlet for water drainage. Fit a permanent condensation drain with a 15 mm compression joint or alternately a 1/2" hose.

The drain pipe should be routed with a drop towards the floor drain. If the drain pipe is very long, increase the size of pipe one step. The drainage hole is located on the left side of the dehumidifier.



ELECTRICAL CONNECTION

Connect the dehumidifier via the main switch to 1 N~230 V + PE. Fuse with at least a 10A slow fuse.

See wiring diagram in the dehumidifier or www.elbjorn.com.

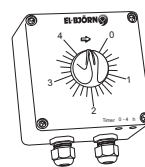


WARNING!

Electrical connection and connection of any other equipment to the drying room dehumidifier must be carried out by a qualified electrician in compliance with national installation regulations.

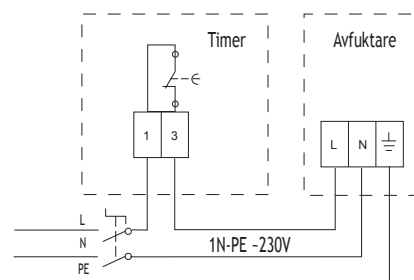
Timer, mechanical wind-up (accessory)

A mechanical timer can be fitted as an accessory to the drying room dehumidifier. Fit the timer in a suitable place (e.g. inside the door) in the drying room, and connect as follows:



- Use a cable with 1.5 mm² min. area.
- Connect the timer between the electrical supply and the dehumidifier. A main switch should be installed in front of the timer.

See wiring diagram in the dehumidifier or www.elbjorn.com.

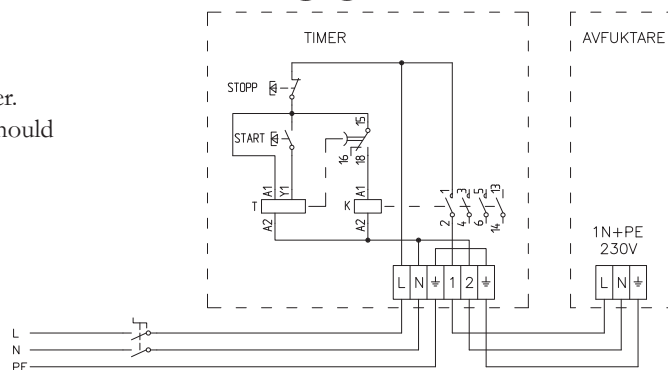
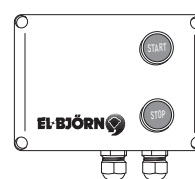


Electronic timer with preset time (accessory)

An electronic timer can be fitted as an accessory to the drying room dehumidifier. Fit the timer in a suitable place (e.g. inside the door) in the drying room, and connect the power as follows:

- Use a cable with 1.5 mm² min. area.
- Connect the timer between the electrical supply and the dehumidifier. Note that this timer requires an N connection (N). A main switch should be installed in front of the timer.

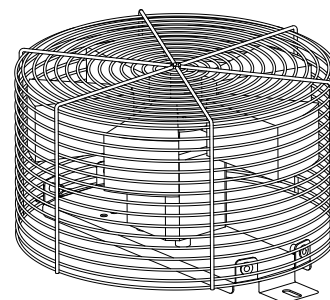
See wiring diagram in the dehumidifier or www.elbjorn.com.



External fans (accessory)

One or more external fans can be fitted to the ceiling to increase air circulation. El-Björn recommends installing one circulation fan per 5 m². If other circulation fans are present in the drying room, they must not blow directly towards the dehumidifier's inlet or outlet. These fans should be controlled by the timer.

See wiring diagram in the dehumidifier or www.elbjorn.com.



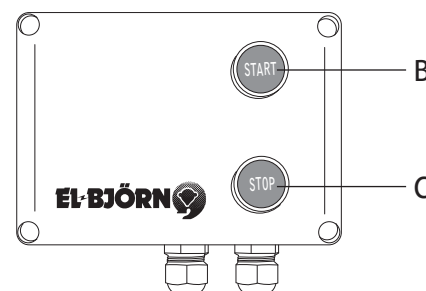
OPERATION

HANDLING DURING NORMAL OPERATION

Start

Electronic timer with preset time

Press the start button (B) and the drying room humidifier will run for the preset time (factory setting 2.5 h). If the start button is pressed again during operation, the operating time will start again from zero. The drying room dehumidifier can be stopped with the stop button (C).

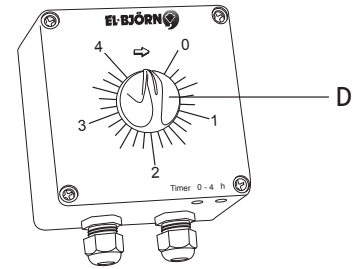


Start

Mechanical wind-up timer.

Turn the timer's knob (D) to the desired running time.

NOTE!
Never turn the knob backwards without first turning it fully clockwise.



Timer

The drying room dehumidifier can be fitted with one of the following timers:

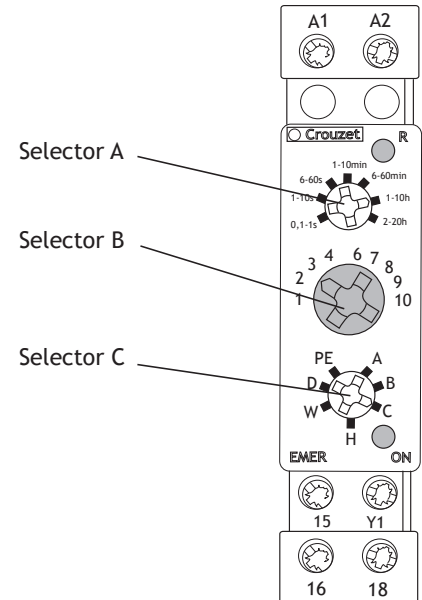
- Mechanical wind-up timer.
- Electronic timer with preset time.
- Timer with hygrometer.

If the drying room dehumidifier is fitted with a timer with preset time, set the required time as follows:

1. Turn off the power to the drying room dehumidifier using the main (operation) switch.
2. Open the cover on the timer and set the operating time (factory setting 2.5 hours) with selector B, which is graduated in hours.

Adjust the operating time on the time relay as follows:

1. Turn selector A to position "1-10 h" (1-10 hours).
2. Turn selector B to position "4" (recommendation 4 hours).
3. Selector C to position "C".
4. Refit the cover and switch on the dehumidifier using the main (operation) switch.



THERMOSTAT (GT1:1)

Thermostat GT1:1 controls the heating coil and is adjustable from 0 to 9 (corresponds to approx. 0-50°C).

The thermostat is located inside the filter hatch.

Remove the upper screws on the filter hatch. Hinge down the hatch. The thermostat is inside the front panel of the electrical box.

Standard setting = 6

Overheat protection (GT1: 2)

GT1: 2 is an overheating protection that is placed in the heating coil and cuts the power to the tubular element at 90°C. GT1:2 manually reset when the temperature drops.

Overheat protection (GT3)

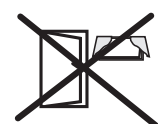
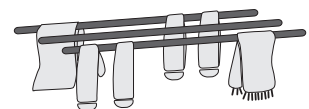
The GT3 is a thermal protection that is placed in the heating coil and breaks control current to the tubular element at 70°C. The GT3 is reset automatically when the temperature has dropped.

GENERAL DRYING ADVICE

- Laundry that is to be dried should be spun for at least 5 min. before hanging. Higher spin speed decreases the drying time. Therefore avoid low spinning speeds if the drying room dehumidifier has limited running time.
- Hang your laundry evenly around the drying room.
- Doors and windows should be closed, otherwise there is a risk that humid air will be added continuously.



minimum 5 min. spinning



SERVICE

MAINTENANCE



WARNING!

Before performing any maintenance work on the drying room dehumidifier, the machine must be disconnected from the electrical supply. This is done by switching off the main (operating) switch.

All maintenance on the electrical system must be performed by qualified electricians.
All maintenance on the cooling system must be performed by qualified cooling technicians.

Once a year

Check the following points once a year.

The points must be checked by authorised staff members.

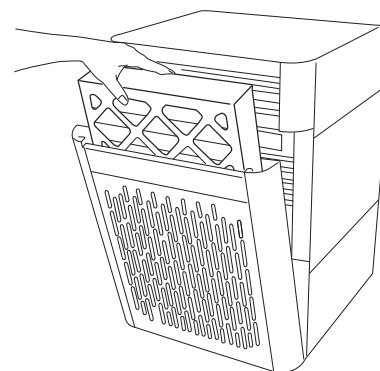
- Cleaning of evaporator.
- Cleaning of drip tray and outlet.
- Inspection of all screwed joints.
- Inspection of cooling and leak testing.
- Electrical inspection.

Perform the following measures when necessary:

- Replace filter cassette 1–2 times per year.
- Wash the fins of the evaporator with dishwashing liquid and water as necessary.

Replacing the filter

1. Remove the upper screws on the filter hatch. Hinge down the hatch.
2. Pull out the filter cassette. Insert the new filter cassette.
The arrow on the filter cassette should point inwards into the machine.
3. Close the filter hatch and tighten the screws.



TROUBLESHOOTING / CHECKLIST

The dehumidifier dries badly.

Check that the air flow is ok through the dehumidifier. If the filter is dirty deteriorate airflow with longer drying time as a result.

Check that the compressor is running and that the cooling circuit is ok.

It's cold in the drying room/dries bad.

Check that the compressor is running.

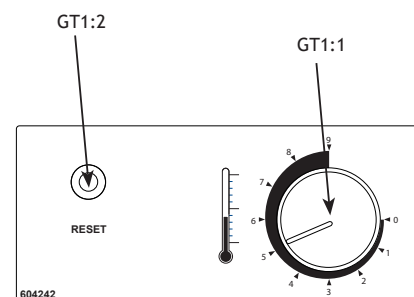
The heat does not work. Make sure the thermostat GT1: 1 is set as it should.
Normal setting = 6

RESETTING OF OVERHEATING PROTECTION (GT1:2)

If the heating coil stops working, it may be due to the overheating protection being triggered.

GT1:2 is located inside the front cover and is reset as follows:

1. Turn off the power by switching off the main (operating) switch.
2. **Look for the cause of the protection being triggered and fix the fault.**
3. The cause may be an electrical fault or poor air circulation.
4. Remove the upper screws on the filter hatch. Hinge down the hatch. There is a reset button for the overheating protection inside the front panel of the electrical box. Depress the button.
5. Close the filter hatch and tighten the screws.



Repairs/spare parts.

In case of extensive repairs, please contact your distributor.

NOTE! During the warranty period, always contact the distributor before performing a repair.

When ordering spare parts, always state:

- Type
- Serial number

Information concerning type can be found on the upper row of the drying room dehumidifier's type plate.

Information concerning serial number can be found underneath the bar code on the drying room dehumidifier's type plate.

TRANSPORTATION

The dehumidifier must always be transported upright. If it has been lying down, it must be left upright for at least 30 minutes before being started. If it has been transported in or subjected to cold, it should be left standing in a warm room until it reaches room temperature.

SCRAPPING

Take the dehumidifier to a recycling station according to state or local regulations.

WARRANTY

El-Björn AB's products and deliveries are regulated by Standard Agreement NL09.

According to this Agreement, El-Björn AB is liable for faults arising within one year after delivery. The provisions of NL 09 also apply for professional parties who register according to the instructions below, although with the following modification:

El-Björn AB is liable for faults arising within five years after delivery (only applicable to products registered on the website).

In other respects, the provisions of NL 09 apply. To obtain this extended warranty, you must register within 14 days after purchasing the products.

The extended warranty does not cover any of the lamps.

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