



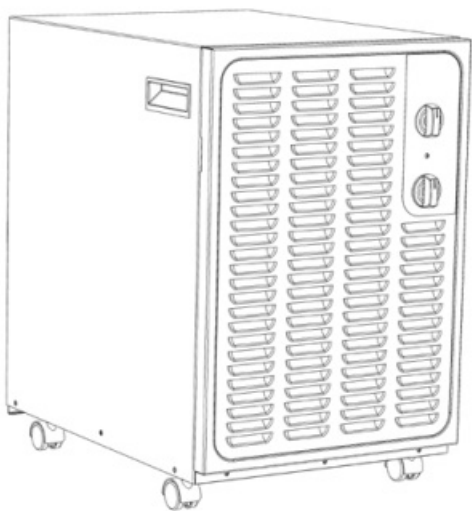
Woods ED50FB Energy Efficient Dehumidifier Instruction Manual

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Woods ED50FB Dehumidifier Operating Instructions



Flammable material. This appliance contains R290/Propane a flammable refrigerant.



Refer operators manual



Read technical manual



Read operators manual.

SAFETY INFORMATION

Before the installation and use of the appliance, carefully read the supplied instructions. The manufacturer is not responsible if an incorrect installation and use causes injuries and damages. Always keep the instructions with the appliance for future reference.

Children and vulnerable people safety

WARNING

Risk of injury or permanent disability.

This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Do not let children play with the appliance.

Children of less than 3 years should be kept away unless continuously supervised.

Keep all packaging away from children.

Cleaning and user maintenance shall not be made by children without supervision.

General Safety

This appliance is intended to be used in household and similar applications such as: – basements, crawl spaces; staff kitchen areas in shops, offices and other working environments. The rating plate is located behind the water

tank of the dehumidifier.

Keep ventilation openings clear of obstruction.

Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

The appliance shall not be stored in a room where ignition sources are operating continuously (open flames, working gas appliance, operation electric heater, etc). Do not pierce or burn.

Be aware that refrigerants may not have an odour. Do not use water spray and steam to clean the appliance. Clean the appliance with a moist soft cloth. Only use neutral detergents. Do not use abrasive products, abrasive cleaning pads, solvents or metal objects. If the power cord is damaged, it must be replaced by the manufacturer, its Authorised Service Centre or similarly qualified persons in order to avoid a hazard.



SAFETY INSTRUCTIONS

Installation

WARNING

Only a qualified person can install this appliance.

Remove all the packaging.

Do not install or use a damaged appliance. The appliance shall be installed, operated and stored in a room with a floor area larger than 4m². Strictly follow the installation instruction supplied with the appliance.

Always be careful when you move the appliance because it is heavy. Always wear safety gloves.

Make sure the air can circulate around the appliance.

Wait at least 4 hours before connecting the appliance to the power outlet. This is to allow the oil to flow back in the compressor. Do not install the appliance close to radiators or other heat sources. Do not install the appliance in direct sunlight.

Electrical connection

WARNING

Risk of fire and electrical shock. The appliance must be connected to a grounded outlet.

Make sure that the electrical information on the rating label is in accordance to the power supply. If not, contact an electrician.

Always use a correctly installed shockproof socket.

Do not use multi-plug adapters and extension cables.

Make sure not to cause damage to the electrical components (e.g. plug, cable).

Contact the Authorised Service Centre or an electrician to change the electrical components.

The cable must stay below the level of the plug.

Connect the plug to the power socket only at the end of the installation.

Make sure that there is access to the plug after the installation. Do not pull the power cable to disconnect the appliance. Always unplug the power cable from the plug only.

Use

WARNING

Risk of injury, burns, electrical shock or fire.

Do not change the specification of this appliance.

Be careful not to cause damage to the refrigerant circuit. It contains propane (R290), a natural gas with a high level of environmental compatibility. This gas is flammable.

If damage occurs to the refrigerant circuit, make sure that there are no flames and sources of ignition in the room. Ventilate the room.

Do not put flammable products or items that are wet with flammable products near or on the appliance.

Disposal

WARNING

Risk of injury.

Disconnect the appliance from the mains supply.

Cut off the mains cable and discard it.

The refrigerant circuit of this appliance is ozone-friendly.

Contact your local authority for information on how to discard the appliance correctly.

Do not cause damage to the part of the cooling unit that is near the heat exchanger.

TECHNICAL DATA

	ED50FB
Max. working area	190 m ²
Air flow step 1	160m ³ /h
Air flow step 2	300m ³ /h
Dehumidifying at 20°C and 70% r.h.	16l/24h
Dehumidifying at 30°C and 80% r.h.	30l/24h
Power at 20°C and 70% r.h.	420 W
Power consumption at 20°C and 70% r.h.	10,6kWH/24
Tank volume	11,4 litres
Refrigerant	R290
Charge	135 g
Voltage	230V
Frequency	50Hz
Current	3 A
IP Code	IPX1
Dimensions in mm, L x B x H	495x345x527

*Technical changes and improvements may occur. All values are approximate and may vary due to external circumstances such as temperature, ventilation and humidity.

PROBLEM	SOLUTION
Dehumidifier does not start	<ul style="list-style-type: none"> - Check that the dehumidifier is properly connected to an electrical source and that the fuse has not gone - If the warning light is on, check that the water reservoir is empty and correctly placed in the dehumidifier. Check that the float is free - Check that hygostat is working. Dehumidifier should start when hygostat is in Maximum position
Does not dehumidify	<ul style="list-style-type: none"> - Check that fan is spinning - Check that air can flow freely through the dehumidifier. Front grid and air filter should be clean and dehumidifier should stand 20-30cm from wall - Listen for the sound of the compressor, bear in mind that the dehumidifier may be in a defrost cycle, when the compressor stops. Wait initially for about 35 minutes. - Check that a thick coating of ice has not formed on the cooling coils.
High noise level/vibrations	<ul style="list-style-type: none"> - Increase distance between dehumidifier and surrounding surfaces - Cooling coils may be in contact with each other and cause vibration. Disconnect dehumidifier from electricity and separate the coils
Ice formation on cooling coils	<ul style="list-style-type: none"> - Remove air filter at rear of dehumidifier and check that no dust is obstructing the air going through machine
No water enters reservoir	<ul style="list-style-type: none"> - Check for obstruction in the drip-tray above the water reservoir
Does not switch off when water reservoir is full	<ul style="list-style-type: none"> - It is important that the float moves freely in the water reservoir. If it does not, it will not respond to water levels and prevent dehumidifier from stopping
The Led is flashing in green	<ul style="list-style-type: none"> - To low temperature- increase room temperature.

If none of the above works, you should contact your nearest retailer for checking other possible solutions.

WOOD'S, ONE OF THE WORLD'S LEADING DEHUMIDIFIERS

Wood's dehumidifier products have been known as market leaders for many years. Wood's dehumidifiers are suitable for use in the most demanding climates, even in region with lower temperatures or humidity levels. They are designed to perform in any places that can become damp such as cellars, garages or summer house. They are also excellent for drying laundry, attics or pool rooms (refer to specific regulations). They are some of the most energy efficient dehumidifiers even at lower temperatures or humidity levels. They do not wear out clothes.

The amount of humidity that the dehumidifier removes depends on the temperature, the humidity level and its placement. External weather conditions may also affect the performance of the dehumidifier. In cold weather the absolute humidity in the air decreases and therefore the extraction of humidity by the dehumidifier is reduced. (The relative humidity might still be on a high level.) The dehumidifier is suitable for use in the temperature range +2°C to +35°C.

Wood's dehumidifiers are safe to operate and intended for continuous use over many years.

EXCESSIVE AIR HUMIDITY – A DANGER

Condensation occurs when water vapour in the air comes into contact with a cold surface such as cold window or wall. When water vapour is cooled down, condensation occurs, and water-drops are formed. In highly humid air, the air may get musty and mould might get formed, causing damages to a house and its furniture. This environment may even cause illness for the residents. Mites and spiders also develops more in a damp environment. A dehumidifier with high performance creates a good, healthy humidity level. For greatest efficiency the doors and windows of rooms that are being dehumidified should be kept closed. Removes odours, dries wood and removes moisture from sportswear outdoors equipment.

A dehumidifier may be used in cellars, washrooms, garages, crawl spaces, caravans, summer-houses and on boats. If the humidifier is kept in colder environments, you should study the Hints at the end of the manual.

PLACEMENT OF THE DEHUMIDIFIER

Wood's dehumidifiers are easy to move around, all you need to have is a power source for 220/240V, but bear in mind the following:

- *The dehumidifier should not be placed near radiators or other heat sources or exposed to direct sunlight, as it will reduce performance.*
- *It is necessary to heat up a room and keep the temperature above +2°C.*
- *To maximise the air flow, the dehumidifier should stand at least 25cm from a wall or any other obstruction.*
- *Ideal is to put it in the center of the room / area.*

NOTE: When placed in a shower or bathing area, the dehumidifier should be fixed in place. It is compulsory to check and respect your local bathroom electrical regulations before use.

USING THE DEHUMIDIFIER

If the dehumidifier is transported horizontally, oil may have run out of the compressor and into the closed piping system. In such a case, let the dehumidifier stand for a few hours before being used. It is very important that the oil runs back into the compressor, otherwise the dehumidifier may be seriously damaged.

1. *Check that the water reservoir is correctly placed and the float moves freely in the reservoir. See the section on the Float.*

2. *Connect the dehumidifier to an grounded power source.*
3. *Select fan speed.*
4. *Set the desired humidity level by rotating the hygostat. See the section on the hygostat.*

NOTE: When the dehumidifier is turned off, it will take 5 minutes before the dehumidifier is restarted, the built-in automatic functions are deactivated, during this period.

THE FLOAT

The float consists of a white plastic cylinder which hangs on two arms. The float rests on the surface, so it is lifted when the water level rises. When the float reaches a certain height, the dehumidifier responds to this and shuts down automatically to prevent flooding of the tank.

When you have emptied the water reservoir and are to replace it in the dehumidifier follow these steps:

1. Push the water reservoir in until it touches the float.
2. Raise the forward edge of the water reservoir from below so that the whole water reservoir is slightly slanted.
3. Push the water reservoir home. The float should now be in the reservoir instead of being stuck behind it.

NOTE: It is important that the float moves freely, since its purpose is to respond to the water level and ensure that the dehumidifier is turned off when it is high. A wrongly placed float may allow the water reservoir to flood.

WATER DRAINAGE

The dehumidifier is fitted with a hose connection. By attaching a hose to the dehumidifier the condensed water can be drained directly away.

Using the hose:

1. *Disconnect the dehumidifier from the power source and remove the water reservoir to give access to the drip tray.*
2. *Attach the hose coupling to the thread on the dehumidifier and lead the hose to a drainage outlet. Check that the hose is not above the level of the drip tray.*
3. *Connect the dehumidifier to the power source.*

Without hose, direct to a drain outlet:

1. *Disconnect the dehumidifier from the power source and remove the water reservoir.*
2. *Place the dehumidifier directly over the drain so that the dehumidified water can drip through the hole at the base of the dehumidifier and into the drain.*
3. *Connect the dehumidifier to the power source.*

HYGROSTAT

Wood's dehumidifier is fitted with a built in hygostat, which is set to the desired level of humidity. The control registers the current level of humidity and ensures that the dehumidifier is turned on and off automatically.

How to set the hygrostat:

1. *Set the hygrostat knob to the maximum position.*
2. *Set the fan to position II .*
3. *When the desired level of humidity is reached, the hygrostat knob is turned counter clockwise until the dehumidifier is turned off.*

NOTE: The ambient relative humidity is most simply measured with a Wood's hygrometer, and the most suitable range is between 50% and 60%.

SHUTTING OFF AUTOMATICALLY

When the water reservoir is full, the dehumidifier is shutting off automatically. The indicator light at the front of the dehumidifier will switch to red to show that the water reservoir should be emptied.

1. *Disconnect the dehumidifier from the power source.*
2. *Empty the water reservoir.*
3. *Put the empty water reservoir back and check that the float moves freely. See the section on the Float.*
4. *Connect the dehumidifier to the power source.*

THE AIR FILTER

The air filter at the rear of the dehumidifier ensures that the cooling coils are kept free from dust. It is important that the filter is kept clean so that air can flow freely through the dehumidifier. The filter should thus be changed when required.

Your dehumidifier is equipped with a SMF-filter that enhances the capacity of the dehumidifier and cleanses the air further. Please refer to the separate filter leaflet for installation and maintenance instructions.

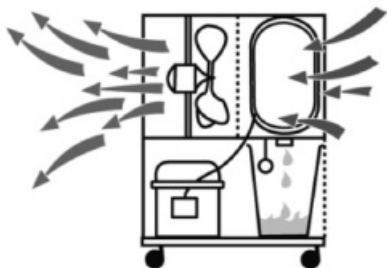
AUTOMATIC DEFROSTING

Wood's dehumidifiers are fitted with a control unit which ensures that the cooling coils are defrosted automatically when needed. The control shuts down the compressor, which causes the cooling of the coils to stop. The fan continues to draw the air at room temperature through the dehumidifier and thus melts the ice, and the water runs down into the reservoir. This defrosting system means that the dehumidifier works at temperatures as low as +2°C.

FAN

The fan ensures that air flows through the dehumidifier. Moist air is sucked in from the rear and goes via the cooling coil and the vaporizer to come out dry and warm at the front of the dehumidifier. Wood's dehumidifiers are fitted with two fan speeds.

- Position II – gives a high air flow with maximum dehumidifying of air.
- Position I – gives a lower air flow which causes quieter operation and slightly lower dehumidifying capacity.



CLEANING AND MAINTENANCE

Wood's dehumidifiers require cleaning and change of filter, to maintain their high dehumidifying capacity.

- *The front grille can be cleaned with a vacuum cleaner or a soft brush.*
- *The cooling coils are best cleaned with a cloth and warm water. Clean with care.*
- *The fan motor is permanently lubricated and requires no maintenance.*

NOTE: Always disconnect the cord before cleaning.

HINTS:

- *Sometimes it may be useful to use a heater to make sure that the temperature does not fall below +2°C.*
- *For maximum dehumidifying power in a room, it is recommended that the air supply from outside and from adjoining rooms is minimized – close doors and ventilators.*
- *Put the unit in the center of the room*
- *Increase temp. for faster dehumidification (warm air carries more water.)*
- *Use frost guard if temperature falls below +2°C*
- *Higher dehumidification in autumn / summer because outside air is warm and humid. (Absolute humidity is normally higher)*

WHEN THE DEHUMIDIFIER REQUIRES SERVICING

If the dehumidifier requires servicing, you must first contact the retailer. Proof of purchase is required for all guarantee claims.

GUARANTEES

2 year's guarantee against manufacturing faults. Note that the guarantee is only valid with a proof of purchase (receipt).

NOTE! Get a 6-years warranty! Register at warranty-woods.com and replace the SMF-filter at least once a year. Please visit woods.se for more information.

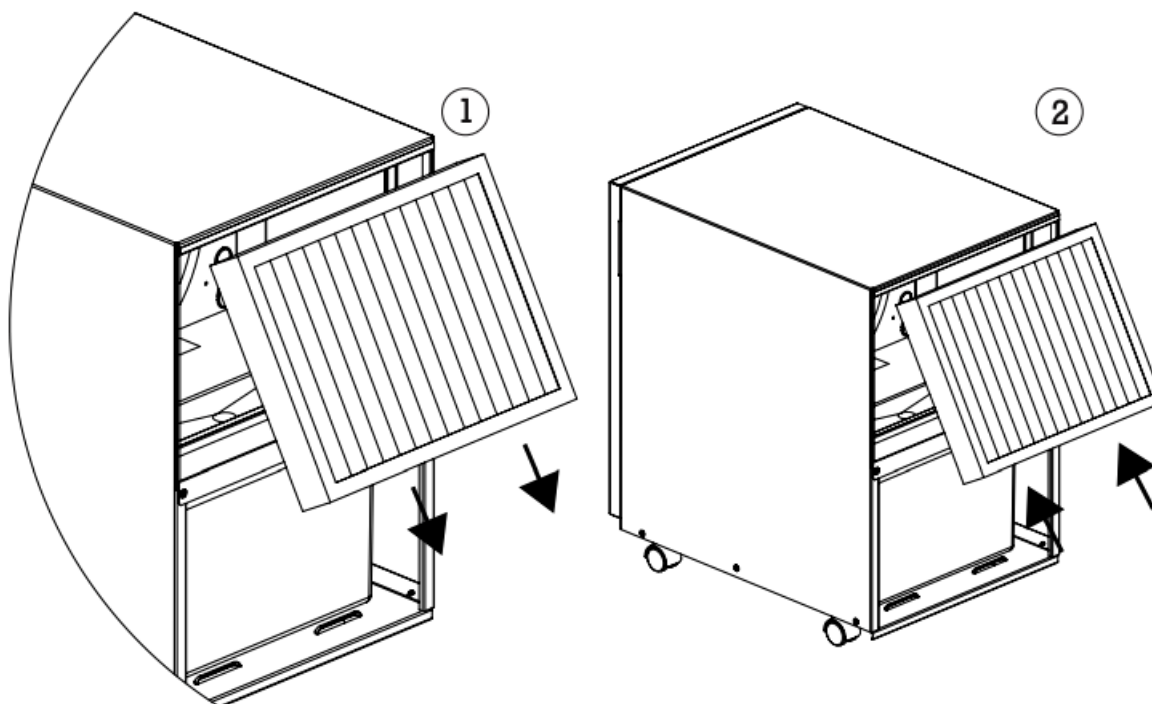
Recommended limits for use

Temp. SW +2°C to +35°C

Relative humidity: 30% to 90%

Recommended humidity level: appr. 50% RH

IMPORTANT! – Wood's dehumidifiers must be connected to an grounded power source. The power source should be 220V-240V 50Hz



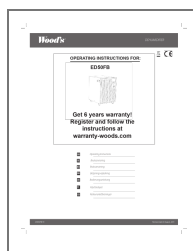
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Woods TES Sweden AB.
Maskingatan 2-4
441 27, Alingsås
Sweden.
woods.se
info@woods.se
+46 317613610



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References

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