

## **Fan Heater WDH-E20 (2 kW)**



Dear customer,

You have chosen a high-quality product. Here are a few tips to help you enjoy this product:

**Information relevant to energy consumption:**

This product is only suitable for well-insulated rooms or for occasional use.

**In case of any problems:**

We hope that the appliance meets your expectations! Should there be any cause for complaint despite the greatest possible care, please contact us briefly, as we are very concerned about your satisfaction and would like to clear up any misunderstanding.

### **During the first operation:**

As the heating elements are covered with a light film of oil at the factory for protection reasons, you will notice a slight smell of burning and possibly some smoke when you first use the appliance. This is quite normal at first and is caused by the oil film being burnt off by the heating elements during operation.

### **Important safety instructions:**

- The heater is not suitable for outdoor use!
- Please note that the heater can become very hot during operation, so always keep a sufficient distance from flammable or highly flammable objects!
- Do not place the heater directly next to a power socket!
- Do not use a timer or automatic on/off switch in conjunction with this heater!
- Never use the heater on moving surfaces, objects or vehicles! There is a risk of the heater tipping over.
- It is recommended to use a separate power source (socket) only for supplying the heater. (Please do not use multiple sockets to operate the heater.) Furthermore, please ensure that the power cable is always laid at a sufficient distance from the heat source.
- Supervise the heater when children are near the appliance!
- Pay attention to the electricity, never go into the appliance with objects or insert them!
- Do not place any objects on the heater!
- Do not block the supply and/or exhaust air of the appliance and please ensure there is sufficient space/clearance around the appliance!
- Ensure that there is sufficient air supply to the appliance, otherwise this can lead to a reduction in performance and, in the worst case, to overheating and/or fire!
- Only qualified personnel or electricians are permitted to open the appliance!
- Make sure that no water gets into or onto the appliance!
- Ensure a minimum distance of 60 cm from bathtubs, showers or swimming pools!
- Only use the recommended voltage for operating the appliance!
- Make sure that the power cable is unfolded (untied) before you connect it to the socket!
- Make sure that the plug is clean and properly connected to the socket before using the appliance!
- Never touch the plug or socket with wet hands!
- Do not repair defective or damaged cables on the appliance yourself, you could get a serious electric shock!

- Ensure that flammable substances (e.g. gases/oils etc.) are never in the vicinity of the appliance!
- If the connecting cable of this appliance is damaged, it must be replaced by the manufacturer or its customer service or a similarly qualified person in order to avoid hazards.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and/or knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- If you are not going to use the appliance for a longer period of time, switch it off and unplug it from the mains!

Please switch off the appliance immediately and disconnect it from the mains/power supply if something seems to be wrong! In this case, please contact a specialist and do not attempt to repair the appliance yourself!

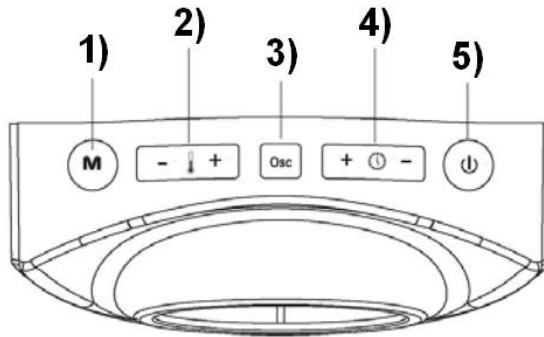
**Example:** Fan does not run during operation or fuse has blown.

**Device description:**



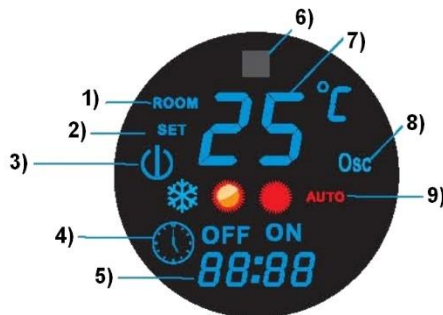
- 1.) Control panel / control knobs
- 2.) Display / display panel
- 3.) Air outlet (outlet of the warm air)
- 4.) Stand / Rotation plate
- 5.) Remote control (included in the scope of delivery)

**Description of the control panel (the control knobs):**



- |   |                                   |
|---|-----------------------------------|
| 1.) "Mode" button                               | 4.) Buttons for setting the timer |
| 2.) Buttons for setting the target temperature  | 5.) On / Off button               |
| 3.) Oscillation button to activate the rotation |                                   |

**Description of the display / display panel:**



- |  |                                 |
|--|---------------------------------|
| 1.) Display: Measured room temperature | 6.) Remote control receiver     |
| 2.) Display: Set target temperature    | 7.) Temperature display         |
| 3.) Display: Standby mode              | 8.) Display: Oscillation active |
| 4.) Display: Timer active / inactive   | 9.) Display: Selected mode      |
| 5.) Display: Set timer time            | (One of the 4 modes)            |

## Instructions for use:

### 1. Commissioning

- 1.1. Insert the mains plug properly into the socket.
- 1.2. Switch the appliance on with the On / Off button. The appliance starts operating at level 1.

Notes: This appliance is equipped with an anti-tilt device that stops the appliance if it falls over or is not placed on a stable surface.

If you are not making any settings on the display, the appliance will show you the currently measured room temperature and the currently selected appliance setting on the display.

The temperature display only shows the exact room temperature after approx. 20 minutes of operation, as enough air has then been circulated to make a reliable statement.

If it is a larger room, it may well be that the temperature measured by the appliance in its immediate vicinity differs from the room temperature at the other end of the room.

- 1.3. Select the desired device setting using the "Mode" button (left button).



= Level 1 (low operating level with 1,000 W heat output)



= Level 2 (highest operating power with 2,000 W heat output)

**AUTO**

= Automatic mode (The appliance heats up to 21°C automatically.

At temperatures below 17°C, the heater operates at level 2 and at temperatures between 17°C ~ 21°C at level 1. If the room temperature is (already) above 21°C, the heater switches itself off completely).



= Frost monitor mode (The appliance heats automatically to 7°C. Once the temperature is reached, the heater switches off automatically. The appliance switches on again automatically as soon as the temperature drops below 7°C. This prevents temperatures below 7°C).

- 1.4. If you are operating the appliance in normal heating mode (level 1 or level 2), you can freely set your target temperature. Use the buttons for setting the target temperature to set the desired temperature switch-off point (7 ~ 35°C). Whenever it gets colder in the room, the appliance automatically starts heating and when the set temperature is reached again, the appliance automatically switches off again.

Note: A short fan run-on may occur at high temperatures. When the internal thermostat or the heating coil has cooled down sufficiently, the fan also switches off immediately.

- 1.5. If you want to activate/use the timer function (function for determining the remaining running time or function for specifying a start time), press the TIMER buttons.

Determining the remaining running time:

Press the "Minus" TIMER button during operation to set the desired remaining running time of the dehumidifier. (A value between 0.5 - 24 hours can be selected in 30-minute increments). After this selected operating time has elapsed, the appliance switches off completely.

Determining a start time:

Press the "Plus" TIMER button during operation to select the desired start time. (A value between 0.5 - 24 hours can be selected in 30-minute increments). After the setting, the appliance switches off the heating function and after the selected duration has elapsed, the appliance switches the heating function on automatically (with the last settings used).

- 1.6. With the oscillation button, you can also optionally rotate your heater. activate. Press the oscillation button again to stop the rotation.

Note: The heater automatically returns to the starting position when you switch off the oscillator function or switch off the appliance.

- 1.7. You can also control all the settings and functions of your fan heater with the remote control included in the scope of delivery.  
The remote control requires a (CR2025) button cell battery (not included)!

## **2. Switch off**

Press the On / Off button to switch off. The appliance continues to run for a few seconds to cool down (without heating function) before it switches off completely.

### 3. Cleaning & storage

Please always disconnect the mains plug and allow the heater to cool down completely before cleaning your heater!

#### 3.1 Cleaning the housing:

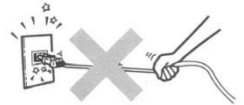
- Use a soft, damp cloth to clean the outside of the housing.
- Only use mild cleaning agents to clean your heater.
- It is also important to ensure that no aggressive cleaning agents are used, as these can damage your appliance!
- Please ensure that no water gets inside your heater at any time!

#### 3.2 Storage:

- We recommend that you put the appliance back in its original box for storage.
- Store the heater in a dry and sufficiently ventilated place.

### 4. Other operating instructions

- 4.1. Do not disconnect the mains plug by pulling on the power cable!
- 4.2. Do not use insect repellent, oil or paint spray etc. near the heater. This can damage the appliance or even cause a fire!
- 4.3. Do not place the appliance on a sloping or uneven surface!
- 4.4. Please always keep a sufficient distance from the wall to prevent the appliance from overheating.
- 4.5. For effective and economical heating operation, please close all doors and windows in the heater room!
- 4.6. Ensure a minimum distance of 60 cm from bathtubs, showers or swimming pools.



## Technical data

<b>Model designation:</b>	WDH-E20 (2 kW)
<b>Voltage:</b>	220 - 240V ~ 50Hz
<b>Max. Power consumption:</b>	2,000 W (9.1 A)
<b>Power setting levels:</b>	2 (1 = 1,000 W, 2 = 2,000 W)
<b>Thermostat:</b>	Digital thermostat
<b>Nominal heat output:</b>	2.0 kW
<b>Minimum heat output:</b>	1.0 kW
<b>Max. cont. heat output:</b>	2.0 kW
<b>Auxiliary power consumption <math>e_{lmax}</math>:</b>	N/A
<b>Auxiliary power consumption <math>e_{lmin}</math>:</b>	N/A
<b>Auxiliary power consumption <math>e_{lsB}</math>:</b>	N/A
<b>Operating setting:</b>	LED control panel 7 - 35 C°
<b>Protection class:</b>	IP21
<b>Dimensions (H/W/D):</b>	356 x 255 x 145 mm
<b>Weight:</b>	1.6 kg

There may be deviations in the technical data!

## Troubleshooting

### The heater only provides "lukewarm" performance

The outlet temperature depends on the inlet temperature. As a rule, this is approx. 30-40°C above the inlet temperature and the room is heated by the fact that, as with a normal radiator, the room air is constantly circulated and the associated repeated heating (heating progression).

If you are using the electric heater in a very cold room, e.g. in a garage at 5°C or even colder, then it would be normal if the outlet temperature is only "lukewarm", as the electric heater cannot heat this air to "hot" in the short time that the air passes through the heating rods. This would only be possible with the fan switched off, but firstly the air would then not be distributed evenly in the room and secondly the appliance would lose a lot of its overall heating effectiveness.



## Other

### **Guarantee declaration:**

Notwithstanding the statutory warranty claims, the manufacturer grants a warranty in accordance with the laws of your country, but at least 1 year (in Germany 2 years for private individuals). The warranty begins on the date of sale of the device to the end user. The guarantee only covers defects that are attributable to material or manufacturing faults. Warranty repairs may only be carried out by an authorized customer service centre. The original sales receipt (with date of purchase) must be enclosed in order to assert your warranty claim.

Excluded from the guarantee are:

- Normal wear and tear
- Improper use, e.g. overloading the appliance or non-approved accessories
- Damage due to external influences, use of force or foreign objects
- Damage caused by non-compliance with the operating instructions, e.g. connection to an incorrect mains voltage or non-compliance with the installation instructions
- Completely or partially dismantled appliances

## Conformity:

The fan heater has been tested and itself and/or parts of it have been manufactured to the following (safety) standards:

### Naturally with CE (LVD + EMC) conformity.

CE (LVD) conformity tested according to: EN 60335-2-30:2009+A11:2012  
EN 60335-1:2012+A11:2014  
EN 62233:2008

CE (EMC) conformity tested according to: EN 55014-1:2006+A1:2009+A2:2011  
EN 55014-2:1997+A1:2001+A2:2008  
EN 61000-3-2:2014  
EN 61000-3-3:2013

## Correct disposal of this product



Within the EU, this symbol indicates that this product must not be disposed of with household waste. Old appliances contain valuable recyclable materials that should be recycled. In addition, the environment and human health should not be polluted by uncontrolled waste disposal. Therefore, please dispose of old appliances via suitable collection systems or send the appliance to the place where you purchased it for disposal. They will then recycle the appliance.

We hope you enjoy using this device

## ***Your Aktobis AG***

***Keep these instructions for use in a safe place!***