

Aventa comfort

2nd generation



EN Operating instructions

Page 02

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1 About these instructions

These instructions are intended for:

- Aventa comfort 2.G

hereinafter referred to as the air conditioning system or Aventa.

1.1 Target group

These instructions are intended for users.

- ① For the sake of simplicity, in the following, no distinction is made between genders. Gender equality is intended in the way terms are used.

1.2 Symbols and means of representation

Symbol	Meaning
	Warning about dangers to persons
	Expert
	Additional information to provide a better understanding or to optimise work processes.
	Symbol for an action. Something must be done here. In case of several measures, observe the correct sequence.
(Fig. 3-1)	Reference to a picture e.g. Figure 3 – number 1

1.3 Warnings

These instructions contain warnings about potential injuries or damage to property.

- Always read and observe warnings.

Warning word	Meaning
DANGER	Danger for persons. If these instructions are ignored, it will result in death or serious injury.
WARNING	Danger for persons. If these instructions are ignored, it may result in death or serious injury.
CAUTION	Danger for persons. If these instructions are ignored, it may result in minor injury.
NOTICE	Information to prevent material damage

2 Intended use

2.1 Proper use

The Aventa compact (plus) 2.G / Aventa comfort 2.G roof-mounted air conditioning system is approved only for installation on the roof of a motor home (motor caravan) of vehicle class M1 and motor trailers (caravans) of vehicle class O with legally prescribed safety ventilation in accordance with EN 721.

It is intended exclusively for use in the private sector and for air conditioning of the living area.

If possible, operate the air conditioning system with the windows and doors closed.

2.2 Improper use

Any use other than the intended use is prohibited.

This applies, for example, to installation and operation in:

- Boats and other water craft,
- Hunting/forest cabins, weekend houses or awnings
- Mobile homes, construction trailers
- Flats and houses
- Construction machinery, agricultural machinery
- Food trucks

Do not operate the air conditioning system at altitudes above 2,000 m or outside the specified operating temperature (see “14 Technical data” on page 17).

Faulty air conditioning systems must not be used. Air conditioning systems that are installed or used contrary to the operating and installation instructions may not be used.

2.3 Installation, dismantling, repositioning

Only competent, trained personnel (experts) may install and repair the Truma product and carry out the function check with consideration of the installation and operating instructions and the current recognised rules of engineering. Experts are persons who, based on their professional training, their knowledge of and experience with Truma products and the relevant standards, are able to carry out the required work properly and recognise potential hazards.

The following applies to non-experts:

- Do not open the air conditioning system.
- Do not install the air conditioning system, do not install it in other locations and do not install it in other vehicles.
- Do not dismantle the air conditioning system or attempt to repair it yourself.
- Have the system installed, dismantled or repositioned only by an expert.

3 Safety instructions

3.1 General safety

Ignoring the regulations in the operating instructions can lead to serious material damage or serious risks for the health or life of people.

- ▶ Read and closely follow the safety precautions to prevent risks and damage to humans and property.
- ▶ Observe local laws, guidelines and standards associated with the use and operation of the air conditioning system.
- ▶ The refrigerant system contains the highly flammable and combustible R 290 refrigerant and may only be opened at the factory or in the service workshop.
- ▶ This appliance may be used by children from 8 years old and by persons with reduced physical, sensory or mental capabilities or with a lack of experience and knowledge only if they are supervised or have been instructed in the safe use of the appliance and understand the resulting risks. Children must not be allowed to play with the appliance.

3.2 Obligations of the operator / vehicle owner

3.2.1 Safety through these operating instructions

The operating instructions are an important document and part of the product. They are aimed at the user and contain information that is relevant for safety. Only the procedures specified in the operating instructions are safe.

If the operating instructions are not followed, people may be seriously injured or the air conditioning system may be damaged.

- ▶ Read and observe the instructions for safe operation before using and operating the system for the first time.
- ▶ Always keep the operating instructions handy and close to the product.

3.2.2 Safety through maintenance and servicing

- ▶ Installation, maintenance and repair only by experts who are familiar with the dangers of handling electrical appliances, refrigerants and air conditioning systems. Incorrect work can result in considerable hazards.
- ▶ In particular, do not screw in any long screws or similar near the air conditioning system, as this can damage the air conditioning system and cause refrigerant to escape.
- ▶ Opening the system, loosening the fixing points, assembly, disassembly, inspection and repair only by an expert.
- ▶ Steam-based and high-pressure cleaners must not be used.
- ▶ When cleaning the vehicle, ensure that no water gets into the air conditioning system (e.g. do

not spray water directly into openings in the air conditioning system).

- ▶ Do not reach into the appliance; risk of burns from hot parts.

3.2.3 Safety through approved power supply

- ▶ For problem-free operation and in order to avoid damage, the supply voltage must always come from a source with a pure sine wave curve (e.g. voltage converter, generator) and without voltage spikes.

3.3 Safe operation

- ▶ The forced ventilation openings of the vehicle must always be unobstructed, especially during longer periods of inactivity (e.g. winter storage).
- ▶ The air inlets / outlets at the external unit and the air distributor must not be obstructed under any circumstances.
- ▶ Do not insert fingers or objects into the ventilation grilles.
- ▶ In case of fire, do not extinguish with water. There is a risk of electric shock.
- ▶ Only operate the air conditioning system if the housing and cables are undamaged.
- ▶ **Electric shock from uncovered, damaged electric cables.**

In the event of damage to a mains cable:

- ▶ Switch off the power supply; for example, via fuses or residual current circuit-breakers (RCCB) in the main distribution board of the vehicle. Unplug the line power. Prevent the power supply from being switched back on.
- ▶ Have the power cable replaced by the manufacturer, customer service or an expert.

Risk of fire from overheated cable drum.

If the electricity for the vehicle is supplied via a cable drum, high current consumption can heat the rolled up cable.

- ▶ Completely unwind cable from a cable drum.

3.4 What to do in the event of a malfunction

- ▶ Eliminate malfunctions immediately.
- ▶ Rectify only the faults described in Section "11 Malfunctions" on page 15 yourself.
- ▶ In the event of malfunctions that you cannot rectify yourself, contact Truma Service.

3.4.1 What must I do if there are unusual noises or smells?

- ▶ Switch off the roof-mounted air conditioning system.
- ▶ Have an expert check the roof-mounted air conditioning system.

4 Product description

The air conditioning system is available in three versions:

- Aventa compact 2.G
- Aventa compact plus 2.G
- Aventa comfort 2.G

All versions are available in two colours (black, white). The Truma Aventa air conditioning system is designed for installation on the vehicle roof.

4.1 Air distributor

- Air distributor (limited adjustment options for the air outlets)
- Premium air distributor (Ambient Light, more adjustment options for the air outlets)

Both versions are available in two colours (stone, cappuccino).

4.2 Control panel variants

- Aventa 2.G remote control (Bluetooth) via iNet X Interface AC (optional)
- Truma iNet X Panel, iNet X Pro Panel (optional)
- Truma App via Truma iNet X Interface (optional)
- Vehicle manufacturer's control unit (CAN bus)

4.3 Design

The air conditioning system consists of the external unit, air distributor and a remote control.

4.3.1 External unit

The external unit (Fig. 1-1) of the air conditioning system is mounted on the roof (Fig. 1-2) of the vehicle.

4.3.2 Air distributor

The air distributor (Fig. 1-3) of the air conditioning system is attached to the ceiling (Fig. 1-2) inside the vehicle.

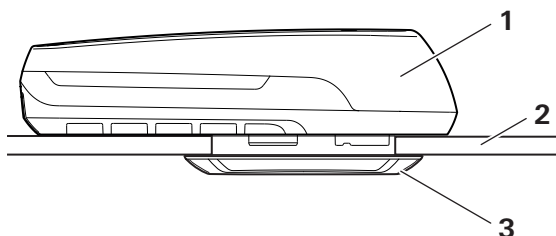


Fig. 1

4.4 Function

Compressor air conditioning systems work like a refrigerator: a refrigerant circulates in an enclosed system. The pressure from a compressor liquefies the gaseous refrigerant in a heat exchanger. In the evaporator, the heat and moisture is withdrawn from the room air and directed outdoors.

A fan distributes the cooled and dehumidified air into the vehicle interior via the air distribution system. The roof-mounted air conditioning system provides cool air in the vehicle.

The air conditioning system can also be operated as a heat pump and heat the vehicle.

4.5 Condensation trap

The condensation is led away via the roof of the vehicle. For this purpose, there are holes on the underside of the external unit through which the condensate drains.

- ❗ Puddles of water may form under or next to the vehicle if the air conditioning system is operated for long periods.

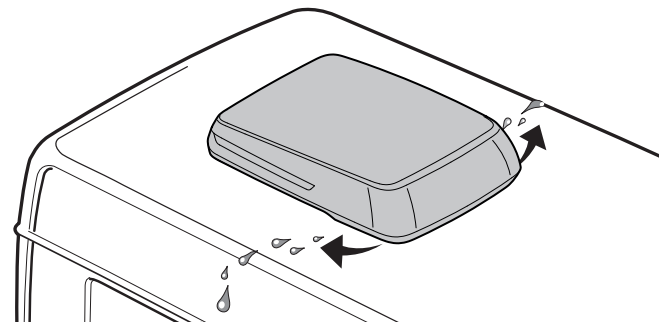


Fig. 2

4.6 Product labelling

The appliance type and the serial number are printed on the type plate.

4.6.1 Climate control system type plate

On the bottom of the air conditioning system, near the air distributor, there is a type plate containing the details of the air conditioning system (Fig. 1-1).

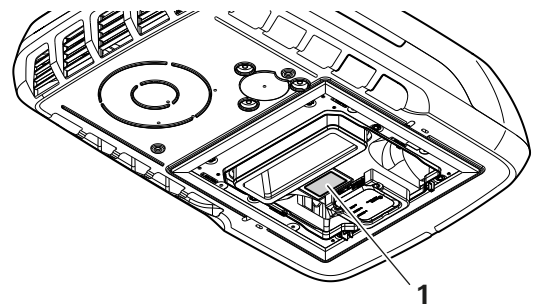


Fig. 3

Two additional type plates (duplicates) are supplied with the air conditioning system. These type plates are affixed by the vehicle manufacturer on the back of the operating instructions and in an easily accessible place in the vehicle.

4.6.2 Air distributor type plate

The air distributor has a type plate on the inside of the appliance, which is visible only after disassembly.

4.6.3 Remote control type plate

There is a sticker with the remote control data on the inside of the battery cover.

4.7 Air distribution in the interior

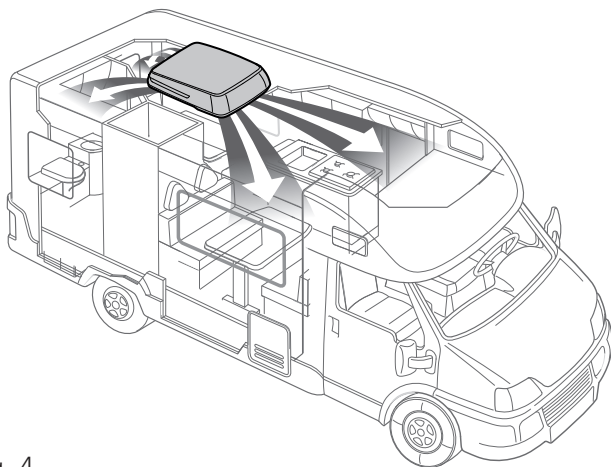


Fig. 4

The room air is drawn in via the air distributor. In cooling mode, the warm room air is cooled by the air conditioning system and flows directly into the interior via the air distributor. In heating mode, the cool room air is heated up. The air distributor is located beneath the ceiling.

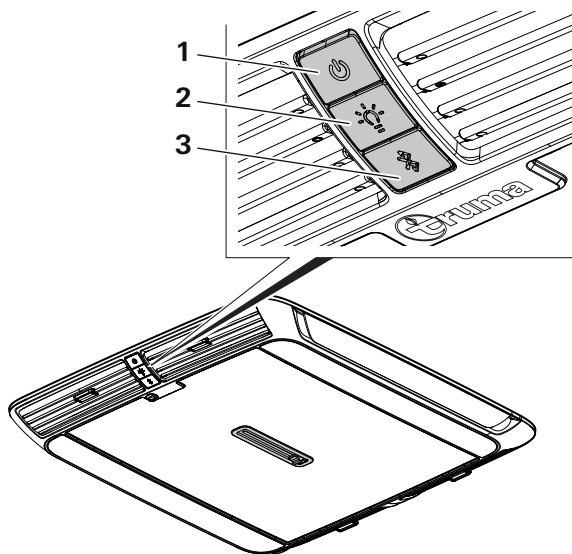


Fig. 5

- 1 On/Off switch
- 2 Light switch for ambient lighting (Premium air distributor only)
- 3 Pairing button

i 30 seconds after switching on, the illumination of the pressed button is faded out so as not to disturb in the dark.

The air distributor has four individually adjustable outlets. This allows the airflow to be metered and distributed evenly and draught-free throughout the

vehicle. The air distributor is so flat that it takes up hardly any valuable space.

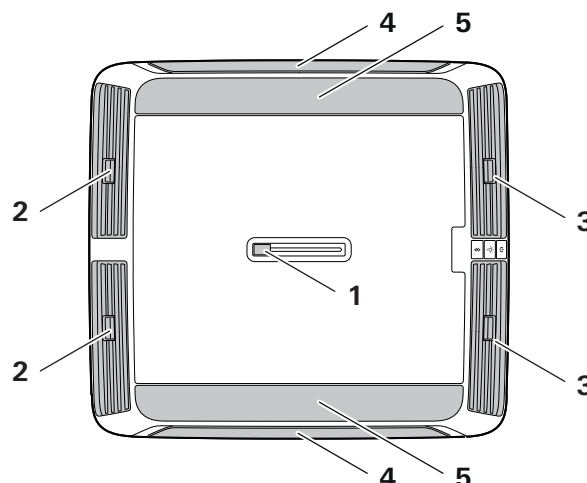


Fig. 6

- 1 Slider (air distribution front / rear)
- 2 Air adjustment (at the back in the direction of travel)
- 3 Air adjustment (at the front in the direction of travel)
- 4 Air adjustment side panels (mortar grey or grey beige)
- 5 Air adjustment panels (winter white or pure white)

The air flow can be metered between the front and rear areas of the vehicle.

4.7.1 Ceiling / floor

The air flow can be directed from the ceiling to the floor.

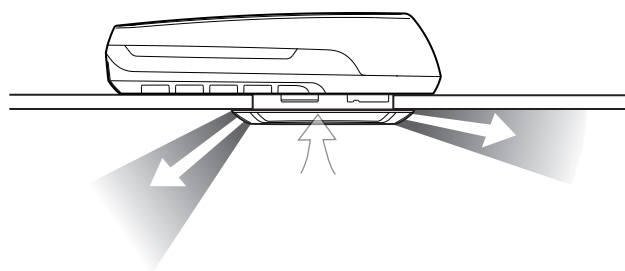


Fig. 7

4.7.2 Right / left (Premium air distributor only)

There are two individually adjustable air outlets at the front and rear.

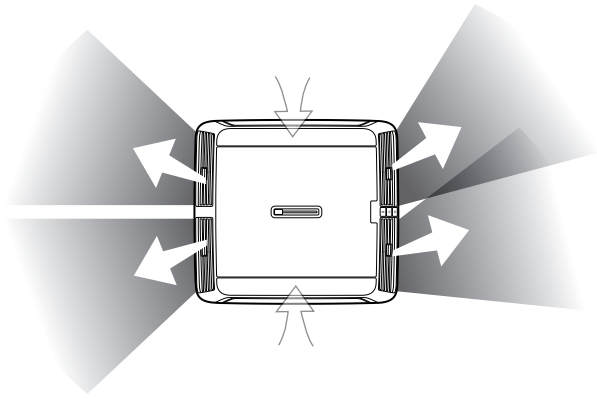


Fig. 8

4.7.3 Ambient lighting (Premium air distributor only)

The ambient lighting is switched on and off using the light switch on the air distributor (Fig. 5-2). If the light switch is held down, the light can be dimmed. To do this, press and hold until the desired dimming level is reached, then release. The dimming level is saved when the light is switched off.

5 Operation

5.1 Aventa 2.G remote control (Bluetooth)

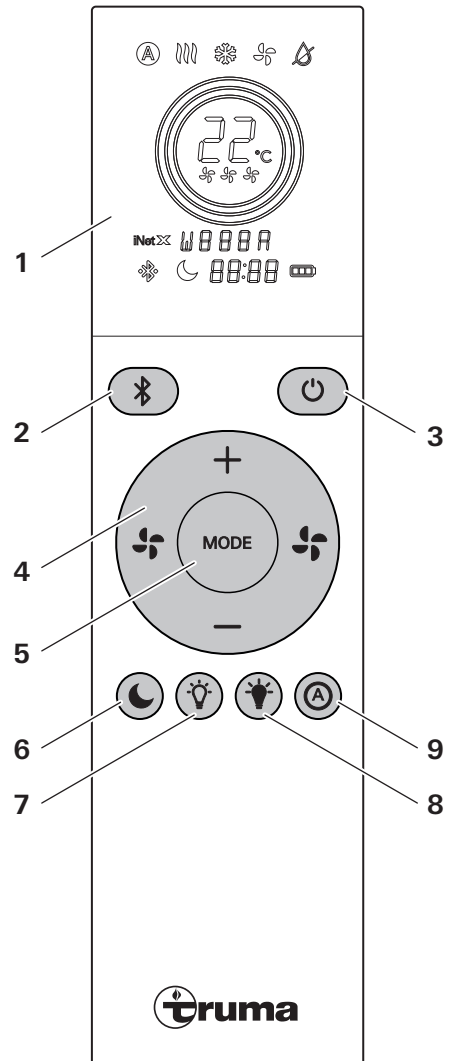


Fig. 9

- 1 Display (see Fig. 10)
- 2 Pairing button (Bluetooth)
- 3 On/off button
- 4 Device control (navigation buttons):
Fan speed (left / right)
Target temperature (up / down)
- 5 Operating mode (cooling / heating / ...)
- 6 Night mode
- 7 Ambient lighting off (press once),
darker (press and hold) ¹
- 8 Ambient lighting on (press once),
brighter (press and hold) ¹
- 9 Automatic mode

¹: Premium air distributor only

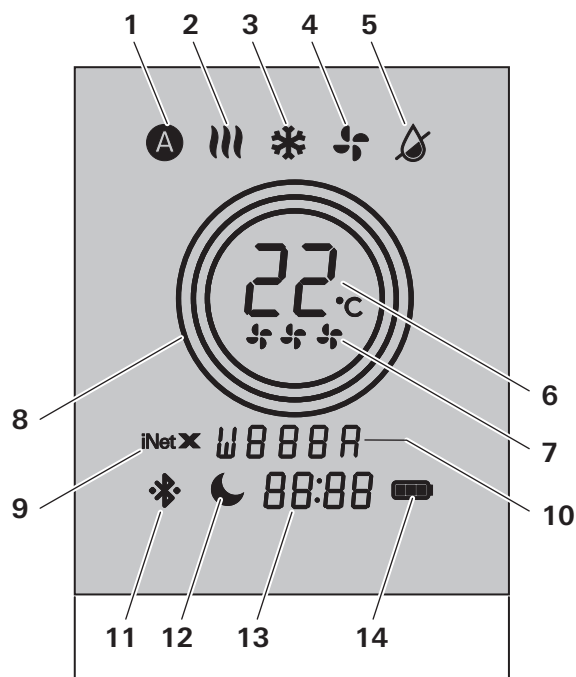


Fig. 10

- 1 Automatic mode
- 2 Heating mode
- 3 Cooling mode
- 4 Circulation mode
- 5 Dehumidification mode
- 6 Target temperature (°C)
- 7 Ventilation level
- 8 Activity indicator, cooling / heating / ventilation
- 9 iNet X status
- 10 Fault code
- 11 Bluetooth status
- 12 Night mode
- 13 Time
- 14 Battery status

① The symbols in the display become visible depending on the respective setting.

5.2 Other control panels

In addition to the Aventa 2.G remote control (Bluetooth), the Aventa can also be controlled using the following control panels:

- Truma iNet X Panel, iNet X Pro Panel (optional)
- Truma App via Truma iNet X Interface (optional)
- Vehicle manufacturer's control unit (CAN bus)

Observe the relevant operating instructions for operation.

6 Initial start-up

6.1 Information about initial start-up

- If a new or replacement remote control is required, it must be paired with the air conditioning system.

6.2 Pairing the remote control with the air conditioning system

- Insert batteries in the remote control.
- Press the pairing button on the air distributor.
- ① The pairing button on the air distributor starts to flash.
- Then press the pairing button on the remote control.
- ① When the pairing button on the air distributor lights up continuously for 10 seconds, the remote control is paired with the air conditioning system.

7 Operation

7.1 Notes on using air conditioning systems

7.1.1 Check current consumption

Truma recommends a power supply designed for 10A. During operation under standard conditions, the current consumption is below this value.

- ▶ Before switching on, check that the fuses at the campsite are adequate.
- ▶ Check whether the voltage source used for combined operation of the air conditioning system and the other connected devices is sufficiently fused.

7.1.2 Operation with generator or power inverter

The air conditioning system can be operated with a power inverter or generator. The following specifications are recommended:

- Power inverter type: Pure sine wave voltage curve
- Nominal voltage: 230 V AC
- Frequency: 50 Hz. +/- 10 %
- Loads: resistive and inductive
- Recommended power: min. 2000 W (at max.. 45 °C ambient temperature)

NOTICE

An incorrect power supply can lead to damage and malfunctions in the air conditioning system.

- ▶ Only sources with a pure sine wave (e.g. voltage transformer, generator) and without voltage peaks should be used for the power supply.

7.1.3 Inclined position

To prevent the compressor from running dry and premature wear, the air conditioning system must not be operated on inclines greater than 8 % / 4.5°.

NOTICE

Material damage caused by parking the vehicle on a sideways incline.

Condensate drainage is not guaranteed. The service life and function of the compressor are impaired.

- ▶ Park the vehicle with a maximum transverse and longitudinal inclination of 8 %.

7.1.4 Reducing heat radiation

To save energy and cool the living space more quickly:

- ▶ Park the vehicle in the shade.
- ▶ Close blinds or curtains.
- ▶ Clean the vehicle roof regularly, as dirty roofs heat up more.

7.1.5 Optimising the room climate

In order to obtain a healthy room climate, the difference between the inside and outside temperatures should not be too great.

During operation, the circulated air is cleaned and dehumidified. Dehumidifying moist air creates a pleasant indoor climate even if the temperature differences are not great.

- ▶ The vehicle must be properly ventilated before starting the air conditioning system in order to remove accumulated warm air from the vehicle.
- ▶ Keep all doors and windows closed during operation to prevent condensation forming on the air distributor. This also minimises energy consumption.
- ▶ Direct the air flow in the room so that it keeps the air in the room moving.

7.1.6 Settings for rapid cooling

- Set the fan to the highest level
- Move horizontal air distribution to centre position between front and rear
- Place vertical air distribution on ceiling

7.2 Switching the air conditioning system on and off

The air conditioning system can be switched on and off using the remote control.

- ① The air conditioning system can also be controlled via control panels installed in the vehicle, e.g. the optional iNetX Panel. If a third-party control panel is installed, refer to the operating instructions.

If the remote control is not at hand or the batteries in the remote control are flat, the air conditioning system can also be switched on and off manually using the on/off switch on the air distributor. The air conditioning system runs at 22 °C after switching on in automatic mode.

7.2.1 Switching on the air conditioning system (remote control)

- ▶ Press the  button on the remote control. (If the remote control is in standby mode: Press the  button on the remote control twice)

The set symbols are shown on the remote control display.

The air conditioning system is switched on. The last settings are active.

7.2.2 Switching off the air conditioning system (remote control)

- ▶ Press the  button on the remote control. Only the time is now shown on the remote control display.

The air conditioning system is switched off.

7.2.3 Switching on the air conditioning system (air distributor)

- Press the  button on the air distributor (Fig. 5-1) for one second.

The LED on the  button lights up for 30 seconds and then goes out.

The air conditioning system is switched on.

The air conditioning system starts with the following settings: Automatic mode, temperature: 22 °C.

7.2.4 Switching off the air conditioning system (air distributor)

- Press the  button on the air distributor (Fig. 5-1) for one second

The LED on the  button goes out.

The air conditioning system is switched off.

7.2.5 Automatic restart after an interruption to the power supply

If the air conditioning system is disconnected from the power supply without being switched off manually, it switches on again automatically the next time it is connected to the power supply.

Even after a device-related switch-off due to an unstable power supply, the device restarts automatically as soon as a stable power supply is restored.

7.3 Operating modes

Operation using the Bluetooth remote control is described below. Operation with the Truma iNet X Panel or the Truma App is described in the respective operating instructions.

The air conditioning system has the following operating modes:

Symbol	Operating mode
	Cooling mode
	Heating mode
	Automatic mode
	Air circulation mode
	Dehumidify
	Night mode

7.3.1 Cooling mode

In cooling mode, the room air is dehumidified and cooled.

- Press the **MODE** button once or several times until the  symbol appears on the display.

The activity indicator (Fig. 10-8) changes to blue while the air conditioning system is in cooling mode.

The activity indicator changes to white when the set room temperature is reached.

The circulated air fan continues to run in order to provide ventilation.

- ❗ Cooling mode can be activated with a slight time delay once cooling mode has been activated.

The air is dehumidified during cooling. If the air humidity in the vehicle is extremely high at the beginning of the cooling procedure, moisture can build up on the underside of the air distributor. In this case:

- Keep doors and windows closed
- Select the highest power level

7.3.2 Heating mode

In heating mode, the air conditioning system is operated as a heat pump and heats the interior.

- Press the **MODE** button once or several times until the  symbol appears on the display.

The activity indicator (Fig. 10-8) changes to red while the air conditioning system is in heating mode.

The activity indicator changes to white when the set room temperature is reached.

The circulated air fan continues to run in order to provide ventilation.

- ❗ Heating mode can be activated with a slight time delay after heating mode has been activated.

7.3.3 Automatic mode

In automatic mode, the air conditioning system is operated in cooling or heating mode depending on the room temperature in order to achieve the set room temperature.

- Press the **MODE** button once or several times until the  symbol appears on the display.
- Alternatively, press the  button for direct selection.

- The activity indicator (Fig. 10-8) changes to red while the air conditioning system is in heating mode.
- The activity indicator changes to blue while the air conditioning system is in cooling mode.
- The activity indicator changes to white when the set room temperature is reached.

- ❗ In automatic mode, the cooling/fan levels are automatically adjusted so that the vehicle is initially cooled down quickly and then, as the target temperature is approached, is reduced to such an extent that the air conditioning system operates as quietly as possible.

- ❗ Automatic mode can be activated with a slight time delay once cooling mode has been activated.

7.3.4 Air circulation mode

In circulation mode, the interior air is circulated.

- Press the **MODE** button once or several times until the  symbol appears on the display.

7.3.5 Night mode

In night mode, the inside and outside fans run at a low speed and are therefore very quiet.

Night mode deactivates the selected fan level setting (low, medium, high) and activates cooling or heating mode.

► Press the  button.

The display shows the symbols  and .

Night mode is set.

Press the button again to switch off night mode. The air conditioning system is then operated again with the previous settings.

7.3.6 Dehumidify

Dehumidifying mode reduces the humidity in the room. The selected fan level setting (low, medium, high) is deactivated and cooling mode is activated.

► Press the **MODE** button once or several times until the symbols  and  appear on the display.

The air conditioning system dehumidifies the room.

Dehumidification is ended by pressing the **MODE** button. The air conditioning system is operated with the previous settings.

7.4 Setting the fan

The fan for the indoor air has three operating levels.

Symbol	Operating level
(none)	Automatic fan control
	low
	medium
	high

► Press the  or  button once or several times to select the desired operating level. The  button reduces the fan speed and the  button increases it.

The desired operating level of the fan is shown on the display. The desired operating level is set.

i In cooling / heating mode, not only the fan speed is adjusted, but also the compressor speed.

i In "Automatic fan control" mode, the fan speed is automatically controlled by the air conditioning system depending on the temperature difference to the room air.

7.5 Setting the room temperature

The room temperature can be set in a range from 16 °C to 30 °C in increments of one degree.

► Set the room temperature with the  and  temperature selection buttons.

The desired room temperature is shown on the display.

The desired room temperature is set.

7.6 Switching on and dimming ambient lighting (Premium air distributor only)

Ambient lighting can be switched on and off and dimmed using the remote control:

- To switch on, press the "Ambient lighting on" button (Fig. 9-8) once.
- To dim up, press and hold the "Ambient lighting on" button (Fig. 9-8) until the desired dimming level is reached, then release.
- To dim down, press and hold the "Ambient lighting off" button (Fig. 9-7) until the desired dimming level is reached, then release.
- To switch off, press the "Ambient lighting off" button (Fig. 9-7) once.

The dimming level is saved when the light is switched off.

7.7 Setting the time

The time on the remote control is set automatically when the Truma App is connected to the Aventa.

7.8 Setting the timer

The timer is programmed via the Truma App.

8 Cleaning and care



WARNING

There is a risk of falling when working on vehicle roofs.

Vehicle roofs can be very slippery due to wetness, icing or dirt (e.g. damp leaves).

- ▶ Wear fall protection / safety harness.
- ▶ Work from a scaffold or a stable ladder next to the vehicle.
- ▶ Wear sturdy, non-slip shoes.
- ▶ Get a second person to help.

When cleaning the vehicle with a high-pressure hose, for example, make sure that you do not spray any water into the air conditioning system.

NOTICE

Water in the air conditioning system can cause damage and malfunctions.

- ▶ Do not clean the air conditioning system with a hot or steam cleaner or high-pressure cleaner.
- ▶ When cleaning the vehicle with a hot/steam cleaner or high-pressure cleaner, do not spray directly into the openings of the air conditioning system.

Do not use aggressive cleaning agents or sharp objects. Use a soft, damp cloth to clean the air conditioning system.

Do not use petrol, diesel, solvents, chemical cleaners, alcohol, surfactants or plasticisers as cleaning agents.

8.1 Cleaning the panels in the air distributor

Depending on the intensity of use, the panels in the air distributor must be cleaned. We recommend that this is done at least every 12 months.

NOTICE

Operation without panels in the air distributor leads to damage and loss of performance of the air conditioning system

For trouble-free operation, operate the air conditioning system only with panels.

- ▶ Before operation, ensure that panels are inserted in the air distributor.
- ▶ Pull both panels off the side of the air distributor (Fig. 11-1).

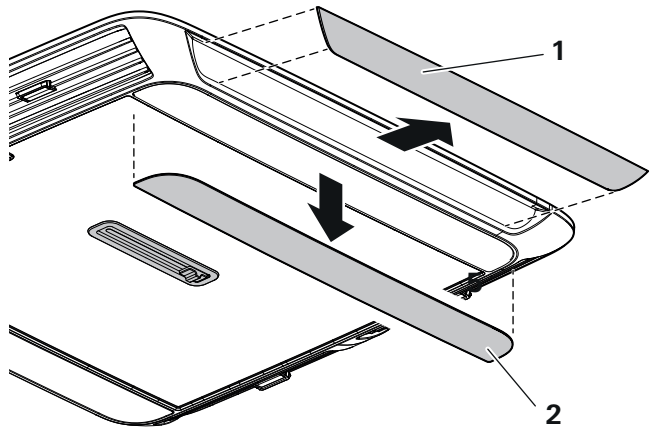


Fig. 11

- ▶ Remove both panels from the bottom of the air distributor (Fig. 11-2). To do this, reach into the opening in the side panel and push the lower panel out from the inside.
- ▶ Wash the panels under running water.
- ▶ Allow the panels to dry.
- ▶ Reattach the panels to the air distributor. To do this, push the panels onto the side and bottom of the latches and clip them into place. First insert the lower panels on the inside of the air distributor (Fig. 12-1), then press in on the outside and snap into place (Fig. 12-1).

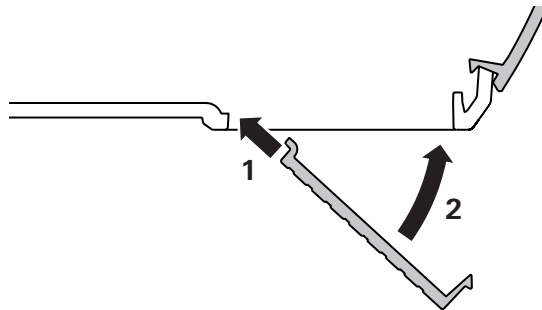


Fig. 12

8.2 Keeping air inlets and outlets clear

8.2.1 External unit clearance

The air conditioning system draws in cooling air on both sides of the roof and blows it out to the rear after it has passed through the heat exchanger. To ensure safe operation, the air inlets and outlets must not be obstructed or adjusted. They must be kept free of dirt or leaves, for example, to ensure optimum performance and air flow. Otherwise, the function of the air conditioning system will be impaired and damage may occur.

Keep openings clear of snow during winter operation.

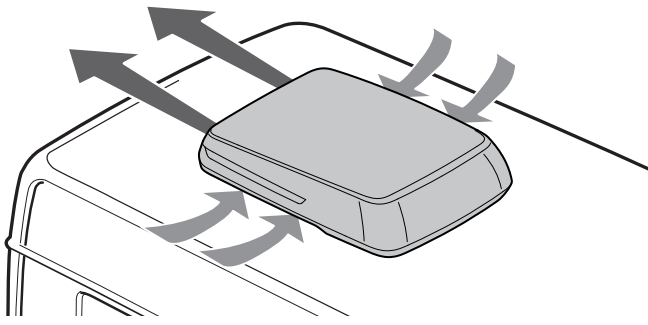


Fig. 13

The clearance around the **external unit** must be 20 mm at the front and 100 mm at the side. At least 30 mm of clearance must be left at the rear. Truma recommends clearance of 200 mm so that the exhaust air can blow out freely.

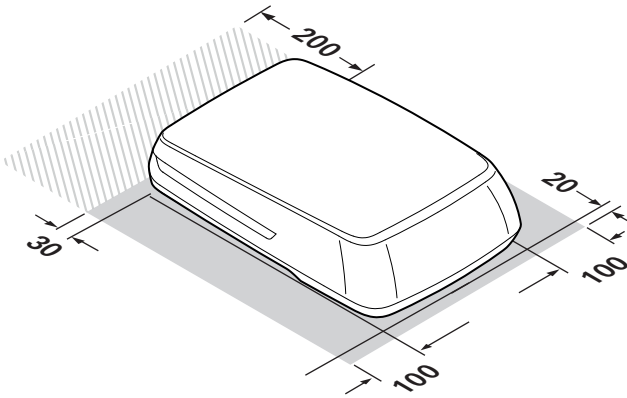
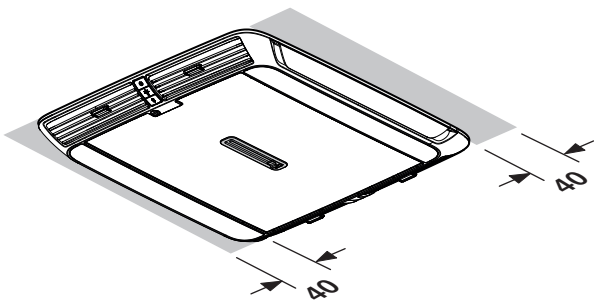


Fig. 14

8.2.2 Internal unit clearance

The clearance around the **air distributor** must allow the air to blow out freely. The side clearance must be at least 40 mm. The pivoting range of flaps and doors must be taken into consideration.



8.3 Keep the condensation trap clear

On the roof, the condensate outlets of the air conditioning system must be kept free of obstructions, such as dirt or leaves. If the condensate outlets are dirty, water can enter the interior. Otherwise, the function of the air conditioning system will be impaired and may lead to damage.

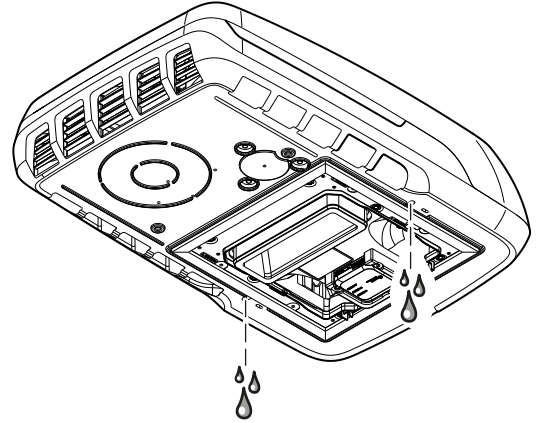


Fig. 15

9 Repair



DANGER **Electrical voltage**

Live parts (capacitors) are installed in the air conditioning system; these can still contain life-threatening residual voltages even after the system has been switched off. Contact with internal capacitors can lead to death or life-threatening injuries even after the system has been switched off.

- Do not open the air conditioning system.



Capacitors may only be discharged by experts.



WARNING **Burns from hot parts**

The air conditioning system contains parts that can become very hot during operation.

- Do not open the air conditioning system.
- Do not install the air conditioning system, do not install it in other locations and do not install it in other vehicles.
- Do not dismantle the air conditioning system or attempt to repair it yourself.
- Have the system installed, dismantled and repaired only by an expert.

10 Maintenance and servicing

10.1 Replacing the batteries in the remote control

The battery compartment is on the back of the remote control (Fig. 16).

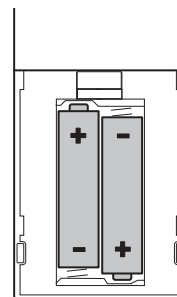


Fig. 16

① When the batteries have been replaced, the time is synchronised with the Truma App.

- Use only micro-batteries that will not leak, type LR 3, AM4, AAA, MN 2400 (1.5 V).
- When inserting new batteries, pay attention to the plus/minus poles.

NOTICE

Flat batteries can leak and damage the remote control.

- Remove the batteries if the remote control will not be used for a longer period.

No warranty is given for damage caused by leaking batteries.

11 Malfunctions

Measures to rectify malfunctions are listed below. If these actions do not produce the desired result, contact Truma Service.

11.1 Unstable supply voltage

If the air conditioning system is started on a stable power supply, the compressor switches on after 3 minutes.

If the power supply is not sufficiently stable (unstable voltage / frequency), the device switches off during operation.

Check the following possible sources of error:

- ▶ Check the mains power source.
- ▶ Check whether the power inverter/generator is one that fulfils the parameters recommended in the operating instructions.
- ▶ If other appliances are already connected to the mains (e.g. microwave), switch them off and try again.
- ▶ Check the mains power cable; keep it as short as possible.
- ▶ When operating with a power inverter, check the charge status of the battery.

❗ Once a stable power supply has been restored, the device restarts automatically without having to be switched on manually.

11.2 Troubleshooting

Error	Cause / remedy
Appliance not cooling	• Thawing process in progress • Remote control temperature setting reached or too high
Device not heating	• Thawing process in progress (outside temperature between 4 °C – 7 °C) • Outside temperature below 4 °C
Device cooling / heating inadequately or not at all	• Panels dirty, clean panels • External air routes soiled / blocked
Moisture on underside of air distributor	• Close windows and doors and select high fan level

Error	Cause / remedy
Water dripping out of air distributor	• Condensation trap on external unit blocked • Seal between appliance and roof not intact (e.g. faulty seal) • System at too much of an angle
Remote control not working	• Check the batteries in the remote control and replace if necessary
Appliance not reacting to remote control commands	• Remote control out of range • Remote control not paired with air conditioning system
Red LED on the button of the air distributor flashing 	• There is an error in the control system. • Switch the air conditioning system off, wait for a short time and then switch it on again. If the red LED remains lit, contact Truma Service. Make a note of the error code displayed on the control panel. • It may still be possible to continue operation in air circulation mode.
Device switches itself off during operation	• Check power supply
White LED on the  button of the air distributor flashing	• Bluetooth pairing not possible. Delete superfluous Truma apps and repeat pairing.

If these actions do not remedy the problem, please contact Truma Service.

12 Disposal and recycling



Neither the remote control nor the batteries may be disposed of with household waste; instead, they must be sent for recycling separately via a collection point. By doing this you are contributing towards reuse and recycling.

The appliance must be disposed of in accordance with the administrative regulations of the respective country in which it is used. National regulations and laws (in Germany, the End-of-life Vehicle Regulation, for example) must be observed.



WARNING

Fire hazard due to refrigerant leakage

- The refrigerant system contains the highly flammable and combustible R 290 refrigerant and may only be opened in the factory or service workshop.

13 Accessories

Truma iNetX Panel, Truma iNetX Panel Pro

Truma iNet X Panel/Truma iNet X Panel Pro with colour display and touchscreen operation to control all TiN bus-capable Truma appliances, also via the Truma App via Bluetooth.

- The automatic climate control function automatically controls the heater and the air conditioning system until the required temperature is reached in the vehicle.

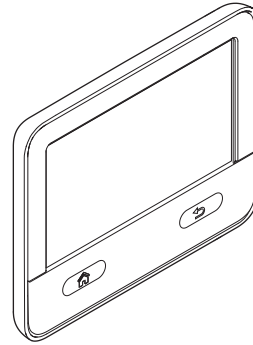


Fig. 17

14 Technical data

Determined in accordance with EN 14511 or Truma test conditions

Aventa comfort	
Power supply	230 V – 240 V AC, 50 Hz
Current consumption	4.9 A
Power consumption, heating	4.2 A
Nominal cooling capacity	2500 W
Nominal heating capacity (heat pump)	2000 W
Air flow volume	375 m ³ /h
Ambient temperature during operation	16 °C – 45 °C (cooling mode) 4 °C – 30 °C (heating mode)
Maximum angle during operation	8 % or 4.5°
Weight	26 kg
Dimensions (L x W x H)	1,008 x 665 x 243 mm
Air distributor dimensions (L x W x H)	550 x 497 x 45 mm
Refrigerant	R 290 (propane)
Refrigerant filling quantity	180 g
Global Warming Potential (GWP)	3
CO ₂ equivalent	540 g

14.1 Dimensions (in mm)

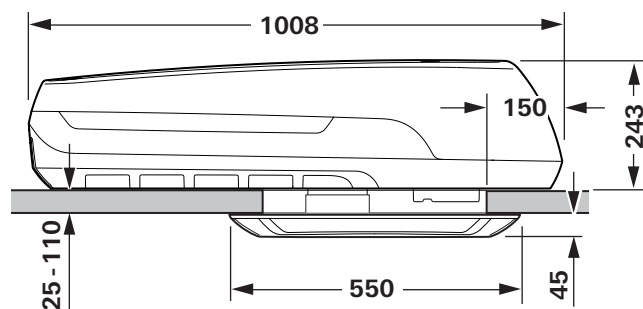


Fig. 18

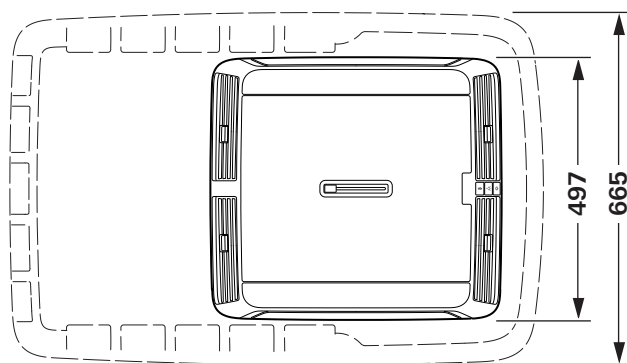


Fig. 19



Subject to technical changes.

Download general operating permit (ABE):

www.truma.com/de/service/download-center/

15 Guarantee

Manufacturer's guarantee
European Union, status 04/2024

15.1 Scope of the guarantee

Truma, as the manufacturer of the device designated in the operating instructions, voluntarily grants the consumer a guarantee that covers any material and/or manufacturing defects in the device.

This guarantee is valid in the member states of the European Union as well as in the United Kingdom, Iceland, Norway, Switzerland and Turkey.

This guarantee covers any of the aforementioned defects that occur within 24 months upon concluding the purchase agreement between the Seller and the Consumer. A Consumer is the natural person who was the first one to purchase the device from the manufacturer, OEM or dealer and who neither resold the device in a commercial or self-employed professional capacity nor installed it for a third party in such a capacity.

The manufacturer or a service partner authorised by Truma shall remedy such defects by means of subsequent fulfilment, i.e. at its discretion by repairing or replacement delivery, unless one of the reasons for exclusion listed below applies.

At the discretion of the manufacturer or a service partner authorised by Truma, the replacement of the product or parts thereof may also be replaced with previously installed or used parts that are equivalent in performance to new parts.

Defective or exchanged parts or devices shall become the property of the manufacturer or the service partner authorised by Truma. If the device is no longer manufactured at the time of defect notification and if replacement delivery has been opted for, then the manufacturer may deliver a similar product.

If the manufacturer remedies a defect under this guarantee, the term of the guarantee shall not start again with regard to the repaired or exchanged parts; rather, the original guarantee period shall continue to be applicable to the device. Only the manufacturer itself or a service partner authorised by Truma is entitled to conduct guarantee jobs. The costs incurred in the event of a guarantee case are settled directly between the service partner authorised by Truma and the manufacturer. The guarantee does not cover additional costs arising from complicated removal or installation jobs on the unit (e.g. dismantling of furnishings or parts of the vehicle body), and neither does it cover travel expenses incurred by the authorised service partner or Truma.

Further claims arising from this guarantee, in particular claims for damages by the consumer or third parties, are excluded. This shall not affect the regulations of the German Product Liability Act (Produkthaftungsgesetz). The legal warranty claims for defects of the consumer against the Seller in the respective country of purchase are not limited by this guarantee and may be asserted free of charge independently of this guarantee.

In countries outside the European Union, these statutory guarantee claims are governed by the regulations of the country in which the consumer first purchased the device.

In individual countries, there may be additional guarantees issued by the respective specialist dealer (official distributor, Truma Partner). In such cases the guarantee can be implemented directly through the dealer from whom the consumer bought the device. The guarantee regulations of the country in which the device was purchased by the consumer for the first time shall also be applicable.

15.2 Exclusion of guarantee

There is no guarantee claim under this guarantee:

- as a result of improper, not suitable, faulty, negligent or not compliant with the intended use or handling of the device;
- Improper installation, assembly or commissioning, contrary to operating or installation instructions;
- as a result of improper operation, improper handling or operation contrary to the operating and installation instructions, in particular disregard of maintenance, care or warning notes, or the operation of defective devices;
- if installations, removals, repairs or other interventions are carried out by unauthorised persons or by the consumer themselves;
- Consumable materials and parts which are subject to natural wear and tear;
- if the device is fitted with spare, supplementary or accessory parts that are not original parts of the manufacturer or have not been approved by the manufacturer; this applies in particular in the case of networked control of the device, if the control units, operating parts and software have not been approved by Truma or if the Truma control unit or the Truma operating part (Truma CP plus, Truma iNet Box, Truma iNet X Pro Panel, Truma iNet X Panel, Truma iNet X Connect, Truma iNet X Interface, or similar) is not used exclusively for the control and operation of Truma devices or devices approved by Truma; similar) is not used exclusively for the control unit and operation of Truma devices or devices approved by Truma;
- as a result of damage caused by foreign substances (e.g. oils, plasticisers in the gas), chemical or electrochemical influences in the water or if the device has otherwise come into contact with substances that are not suitable (e.g. chemical products, flammable substances, not suitable cleaning agents);
- Damage caused by abnormal environmental or unsuitable operating conditions;
- as a result of damage caused by force majeure or natural disasters, as well as other influences for which the manufacturer is not responsible;
- Damage resulting from improper transport;
- as a result of modifications to the device, including spare, supplementary or accessory parts and their installation, modifications in particular to the exhaust

gas discharge or cowl by the consumer or third parties;

- As a consequence of intentional or negligent damage.

15.3 Making a guarantee claim

Name and address of the manufacturer and guarantor:

Truma Gerätetechnik GmbH & Co. KG
Truma Service Centre
Wernher-von-Braun-Straße 12
85640 Putzbrunn, Germany

The guarantee must be claimed at a service partner authorised by Truma or at the Truma Service Centre. All the relevant addresses and phone numbers can be found at www.truma.com, in the "Service" section. To ensure a smooth procedure, we would be grateful if you could have the following details ready before contacting us:

- Detailed description of the defect
- Serial number of the device
- Date of purchase

The service partner authorised by Truma or the Truma Service Centre will determine the further procedure in each case. To avoid possible transport damage, the affected device may only be shipped after prior consultation with the service partner authorised by Truma or the Truma Service Centre. We ask you not to send in a device without prior arrangement.

If the guarantee case is recognised by the manufacturer, then the transport expenses shall be borne by the same. If no guarantee case is applicable, the consumer will be notified accordingly and any repair and transport expenses shall then be the consumer's liability.

Truma Gerätetechnik GmbH & Co. KG
Wernher-von-Braun-Straße 12
85640 Putzbrunn
Deutschland

Service

Telefon +49 (0)89 4617-2020

www.truma.com