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Symbols used



The appliance must only be installed and repaired by an expert.



Symbol indicates possible hazards.



Note containing information and tips.

The appliance is not accessible to the general public

You can also download the installation and operating instructions from our web site. Use the following link for the respective instructions:
<https://www.truma.com/int/en/service/downloads.html>

Safety instructions



Only competent and trained persons (experts) may install, repair or perform the function check on the Truma product in accordance with the installation and operating instructions and the currently accepted technical regulations. Experts are persons who, based on their specialist instruction and training, their knowledge and experience with Truma products and the relevant standards, can carry out the necessary work properly and identify potential hazards.

The appliance must be installed in accordance with the national installation regulations.

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.

To avoid transportation damage, the appliance may only be dispatched if the Truma Service Centre has been consulted beforehand.

When transporting on trailers with lowered drawbars, the openings on the rear side of the air conditioning system must be taped up in order to prevent water from entering.

The power supply must be disconnected from the mains (all poles) before opening the housing.

The appliance fuses and connection cables must only be replaced by experts.

The appliance fuse can be found on the electronic control unit in the appliance and must always be replaced with an identical fuse.

Only original Truma parts, spare parts and accessories may be used.

In particular, the following will render warranty and guarantee claims void and lead to exemption from liability claims:

- Modifications to the appliance (including accessories),
- Using replacement and accessory parts other than original Truma parts,
- Failure to follow the installation and operating instructions.

The appliance's operating permit, and consequently also the vehicle's operating permit in some countries, are also rendered void.

The refrigerant circuit contains R 407C refrigerant and must only be opened **in the factory**.

The air inlets / outlets at the external unit and the air distributor must not be obstructed under any circumstances. This is essential in order to ensure that your appliance operates correctly.

To prevent damage to the appliance, it should not be operated continuously at an incline of more than 8 %.

Do not operate the appliance in cooling mode for long periods with the vehicle at an angle, since the condensation that is produced may not be able to run away and may penetrate the vehicle under unfavourable circumstances.

In order to ensure that the equipment works perfectly and to avoid damage, only power supply sources with a purely sinusoidal waveform (e.g. generator) and without voltage peaks may be used.

Operation of the air conditioning system is only permitted on a primary voltage source.

When the vehicle is being cleaned it must be ensured that no water gets into the appliance when spraying with a high-pressure cleaner, for example (do not spray directly into the openings of the appliance).

Hot cleaners and steam cleaners must **not** be used.

The condensation traps must be clear at all times during operation.

Notes on using air conditioning systems

You should still check whether the camp site has adequate fuse protection before starting the equipment up:

Aventa compact: min. 4 A

Aventa compact plus : min. 6 A

Park the vehicle in the shade if possible.

Darkening with blinds reduces the amount of heat insolation.

Clean your roof at regular intervals (a dirty roof heats up more than a clean roof).

The vehicle must be properly ventilated before starting the equipment in order to remove accumulated warm air from the vehicle.

In order to obtain a healthy room climate, the difference between the inside and outside temperatures should not be too great. The recirculated air is cleaned and dehumidified during operation. A pleasant room climate is produced by drying the moist air, even with small temperature differences.

Keep all doors and windows closed when in cooling mode so that no condensation forms on the air distributor.

For faster cooling:

- Set fan level to high,
- Set front / rear air distribution to centre position,
- Set floor / ceiling air distribution to ceiling.

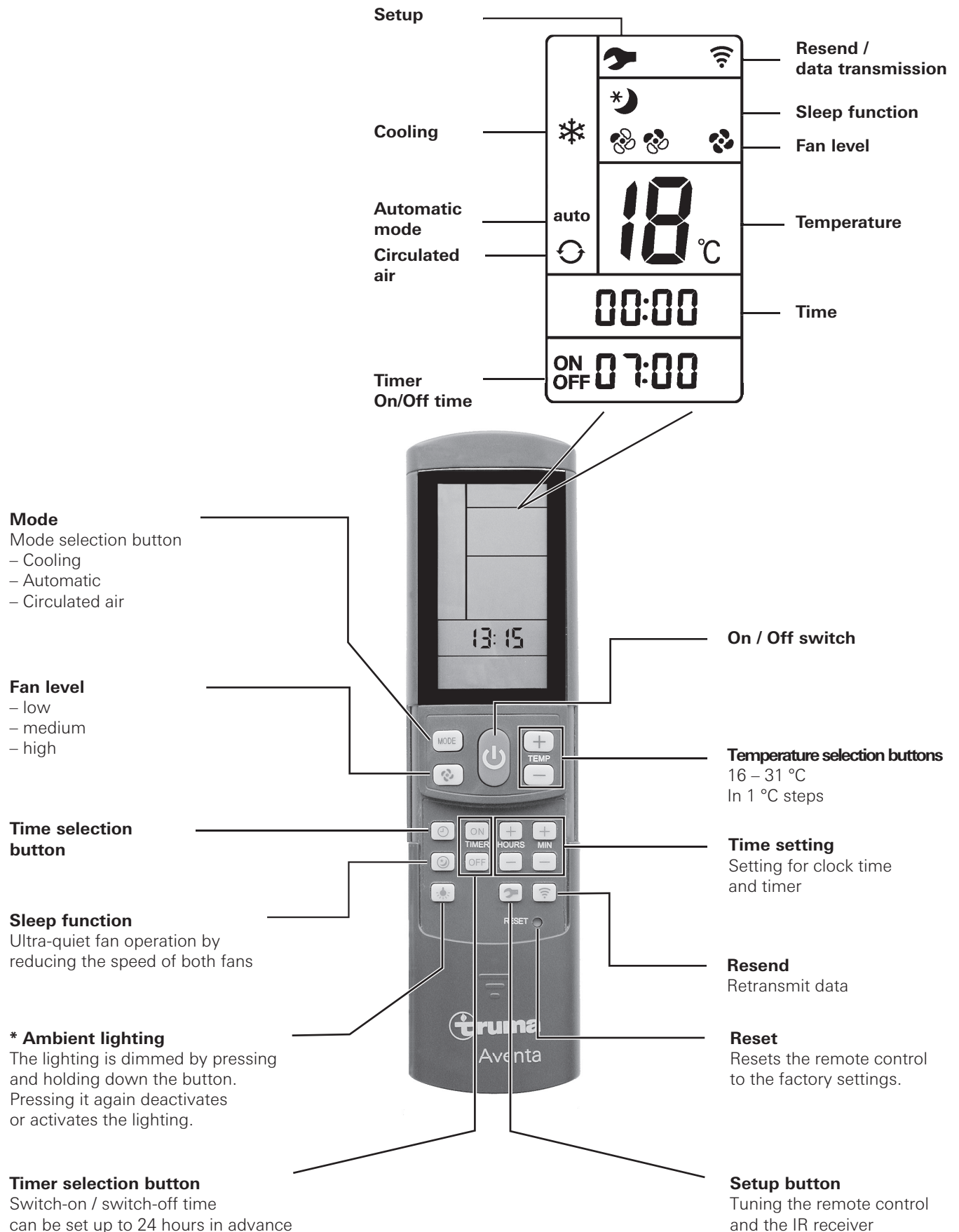
The remote control should no longer be used when operating the air conditioning system in conjunction with the Truma CP plus control panel and/or a Truma iNet Box (App). You can use the Truma App for remote control.

Operating instructions

i Operating instructions can be viewed in offline mode with a mobile device and the Truma App. Download the operating instructions when you have a WiFi connection and save them on your mobile device.

i The symbols shown in the display become visible depending on the setting

Remote control




* No function in the case of air distributor small

Figure 1

Start-up

Before switching on, be sure to check that the camp site has adequate power supply fusing (230 V).

 In order to prevent the power cable of the recreational vehicle from overheating (minimum cross-section 3 x 2.5 mm²) the cable drum must be fully unwound.

The remote control must always be pointed at the infrared receiver in order to perform the individual switching commands.


Before switching on for the first time, the remote control must be tuned to the IR receiver.

- Insert batteries (pay attention to polarity)
- Setup symbol flashes (if symbol does not flash, perform Reset)
- Point remote control at IR receiver
- Press Setup button and hold down
- When the red LED on the IR receiver starts to flash, release the Setup button.

The remote control is tuned to the IR receiver, the Setup symbol goes off and the air conditioning system starts in circulated air mode, at low fan level and with no timer set.

Switching on

Switch on the air conditioning system using the **“On / Off switch”** of the remote control. The last selected settings are taken over.

 The circulated air fan runs after switching on. The compressor switches itself on after no more than 3 minutes, and the blue LED flashes.

Temperature


If necessary, use the **“Temperature selection buttons”** to set the required room temperature with **“+”** and **“–”**.

Mode

Select the required operating mode by pressing the **“MODE”** button one or more times.

- Cooling
- Automatic
- Circulated air

When the room temperature that was selected using the remote control is reached in **cooling mode**, the compressor switches off and the blue LED in the IR receiver goes off. The circulated air fan continues to run in order to provide ventilation. If the room temperature setting is exceeded, the appliance automatically reverts to cooling mode.

 . 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. The doors and windows should therefore be kept closed and the highest fan level selected.

In **automatic mode**, the fan level is selected automatically depending on the room temperature.

In **circulated air mode**, the interior air is recirculated and cleaned by the filters / panels. No LED's illuminate in the IR receiver.

Fan

Select the required fan level by pressing the **“Fan level”** button one or more times.

Fan level (not functional in automatic mode):

- low
- medium
- high


Sleep function

In **“Sleep function”** the internal and external fans operate at slow speed and are therefore extremely quiet.

Switching off

To switch off, press the **“On / Off switch”** on the remote control. The remote control and the appliance are switched off. * The light can still be switched on and off using the **“Ambient lighting”** button.

* No function in the case of air distributor small

 The blue LED flashes when the air conditioning system is switched back on. The circulated air fan runs, and the compressor switches on after no more than 3 minutes.

Time

Press the **“Time selection button”** and set the current time using the **“Time setting”** buttons.

The time is always shown on the display (exception with ON / OFF timer).

The time must be reset after changing the batteries or after a daylight saving time change.

Timer ON / OFF

The On / Off time of the air conditioning system can be set in advance for a minimum of 15 minutes to a maximum of 24 hours, starting from the current time, using the integrated timer.

The appliance must be switched on using the remote control in order to program it.

Set required operating mode and room temperature.

Then select TIMER ON or TIMER OFF using the **“TIMER selection buttons”**. Set the required On / Off time using the **“Time setting”** buttons (15 minutes to 24 hours) and **confirm** with TIMER ON or TIMER OFF.

Pressing the relevant timer button again deactivates the timer function.

* Ambient lighting

Irrespective of whether the air conditioning system is operating, the lighting in the air distributor can be switched on or off by pressing the **“Ambient lighting”** button. The lighting is dimmed by pressing and holding down the **“Ambient lighting”** button. The previous setting is activated when it is switched on again.

* No function in the case of air distributor small

Reset

Resets the settings of the remote control to the factory settings when pressed using a ballpoint pen, for example. Setup symbol flashes.

Resend

The previous settings are resent.

Setup

Tune the remote control to the air conditioning system that is going to be operated.

IR receiver and manual on / off

There is an additional pushbutton on the IR receiver (m), with which the unit can also be switched on and off without the remote control (e.g. with a ballpoint pen).

If the unit is switched on using this pushbutton, the system is automatically reset to the factory settings (automatic mode, 22 °C).

IR receiver / function display

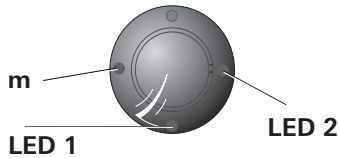


Figure 2

- LED 1 blue – illuminated – (cooling mode)
- LED 1 blue – flashing – (cooling mode compressor start-up)
- LED 2 red – flashing – (data transfer in progress)
- LED 2 red – illuminated – (fault)
- LED 1 and LED 2 illuminated (230 V interrupted \sim , compressor switches off)

Red LED illuminated

The appliance is indicating a fault. Switch the appliance off, wait for a short time and switch on again. If red light stays on, contact Truma Service.

Air distribution

Right / left

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

Front / rear

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

Ceiling / floor

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

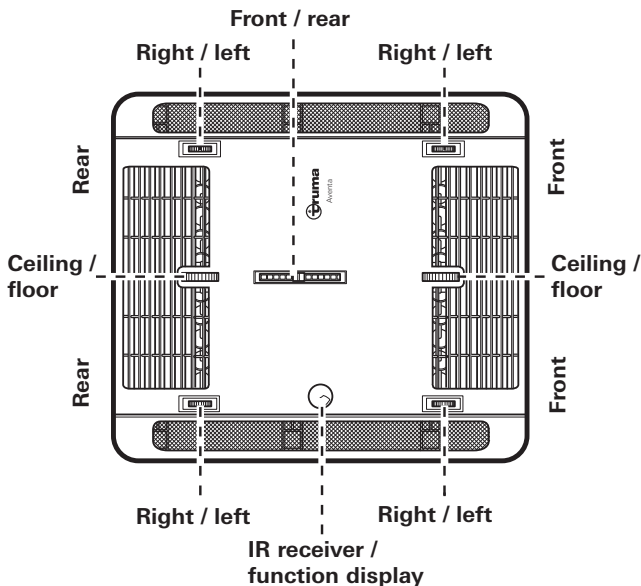
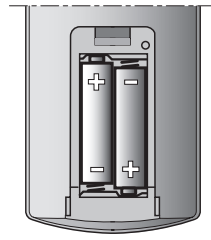


Figure 3

IR remote control battery change

Only use micro-batteries that will not leak, type LR 3, AM4, AAA, MN 2400 (1.5 V).

The battery compartment is on the back of the remote control.



When inserting new batteries, make sure the positive / negative terminals are connected correctly.



Empty, used batteries can leak and damage the remote control! Remove the batteries if the remote control is not being used for a long period of time.

Figure 4

No warranty is given for damage caused by leaking batteries.

Disposal



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



The tuning between the remote control and the air conditioning system is retained if the batteries are removed.

Maintenance

Maintenance, repairs and cleaning must not be done by children.

Carry out filter changes depending on the amount of use, but at least every 12 months. On the air distributor small, remove the panels and clean under clear / lukewarm water. Never operate the air conditioning system without a filter / panels. This can lead to loss of power. Keep the air inlets / outlets and the condensation traps on the roof free of obstructions such as leaves at all times. The air conditioning system should only be cleaned with a soft, damp cloth.

Disposal

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, for example, the End-of-life Vehicle Regulation) must be observed.

The relevant regulations must be observed in other countries.

Accessories

Aventa air filter kit, 2 pcs
for air distributor, **not** for **air distributor small**
(Part. No. 40091-16800)



Figure 5

Truma CP plus

Truma CP plus digital control panel with automatic climate control for the iNet-capable Truma heaters Combi and Truma air conditioning systems Aventa eco, Aventa comfort (from serial number 24084022 – 04/2013), Saphir comfort RC and Saphir compact (from serial number 23091001 – 04/2012)

- The automatic climate control function automatically controls the heater and the air conditioning system until the required temperature is reached in the vehicle.
- Can be extended with the Truma iNet Box. With this, all TIN bus-capable Truma appliances can also be controlled via the Truma App



Figure 6

Truma iNet Box

The Truma iNet Box for simple networking and control of Truma appliances with a smartphone or tablet computer using the app.

- Simple installation and start-up via the Truma App
- Can be extended with the update function, which ensures that it is always up to date



Figure 7

Troubleshooting

Fault	Cause / Remedy
Appliance not cooling	<ul style="list-style-type: none"> – Thawing procedure in progress – Remote control temperature setting reached or too high
Appliance providing insufficient cooling or no cooling at all	<ul style="list-style-type: none"> – Filter / panels dirty, replace filter / clean panels – External air routes soiled / blocked
Moisture on underside of air distributor	<ul style="list-style-type: none"> – Close windows and doors and select high fan level
Water dripping out of air distributor	<ul style="list-style-type: none"> – Condensation trap on external unit blocked – Seal between appliance and roof not intact – System at too much of an angle
Remote control not working	<ul style="list-style-type: none"> – Check batteries in remote control and replace if necessary
Appliance not reacting to remote control commands	<ul style="list-style-type: none"> – Check whether there are obstructions between the remote control and the IR receiver – Is the remote control tuned to the IR receiver / Tune remote control to IR receiver.
Compressor switches off and back on again after approx. 3 minutes	<ul style="list-style-type: none"> – Voltage drop at 230 V ~ power supply / check 230 V ~ power supply

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

Technical data

Determined on the basis of EN 14511 or Truma test conditions

Power supply

230 V – 240 V ~, 50 Hz

Power consumption

Aventa compact: 2.8 A
Aventa compact plus: 4.4 A

Starting current

Aventa compact: 20 A (150 ms)
Aventa compact plus: 28 A (150 ms)

Appliance fuse (230 V)

Aventa compact: T 5 A H (slow)
Aventa compact plus: T 6.3 A H (slow)

Cooling power

Aventa compact: 1.7 kW (T35 / T35)
Aventa compact plus: 2.2 kW (T35 / T35)

Air volume flow

Aventa compact: max. 370 m³/h
Aventa compact plus: max. 400 m³/h

Usage limits

+16 °C to 40 °C

Maximum angle during operation

8 %

Weight

inclusive installation materials
Aventa compact: 27,5 kg
Aventa compact plus: 29.5 kg

Dimensions (W x H x D)

External: 560 x 265 x 785 mm
Internal: 523 x 46 x 670 mm (air distributor)
Internal: 496 x 46 x 556 mm (air distributor small)

Refrigerant

Aventa compact: R 407C / 0.38 kg
Aventa compact plus: R 407C / 0.47 kg

Contains fluorinated greenhouse gases covered by the Kyoto Protocol. Hermetically sealed.

Global Warming Potential (GWP)

1774

CO₂ equivalent

Aventa compact: 638.6 kg
Aventa compact plus: 833.3 kg



Subject to technical changes.

Installation dimensions (in mm)

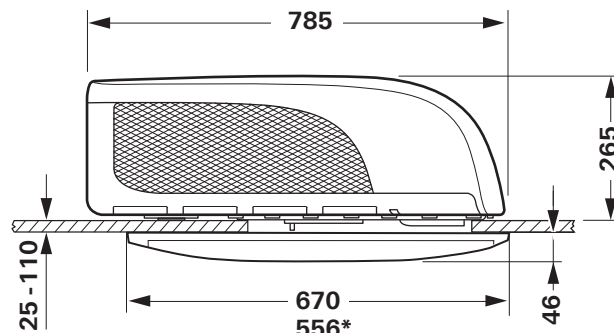


Figure 8

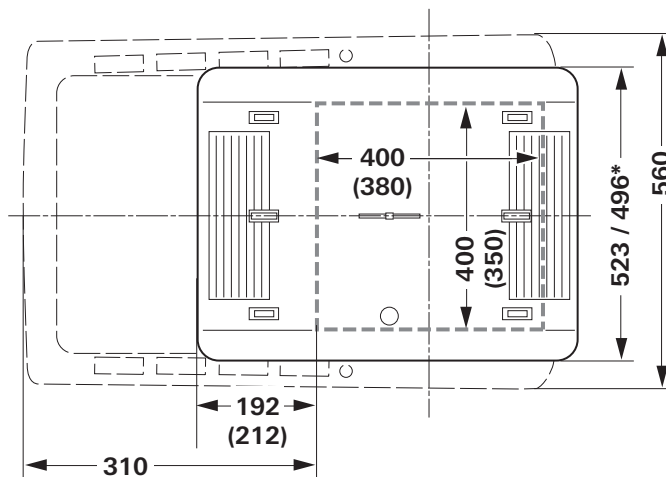


Figure 9

*air distributor small

Clearance around the air conditioning system

The clearance around the **external unit** must be 20 mm at the front and 50 mm at the side. At least 20 mm of clearance must be left at the rear. Truma recommends clearance of 50 mm so that the exhaust air can blow out freely.

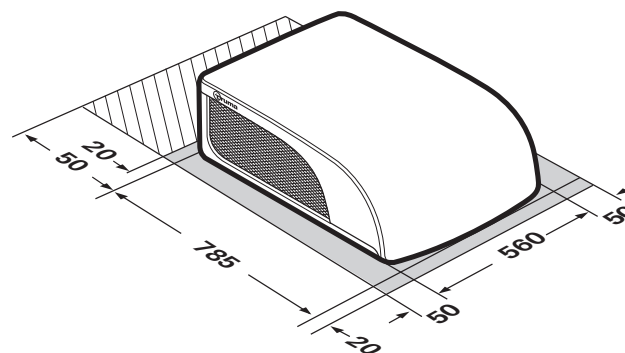


Figure 10

The clearance around the **air distributor** must allow the air to blow out without obstructions. The side clearance must be at least 40 mm (not in the case of the air distributor small). The pivoting range of flaps and doors must be taken into consideration.

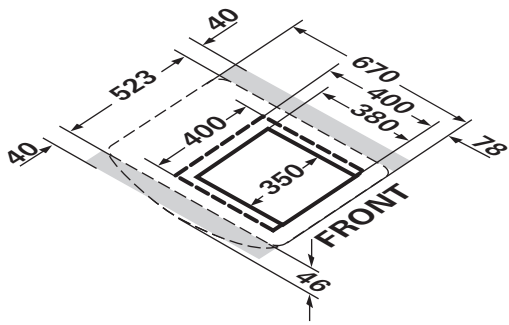


Figure 11 – Air distributor

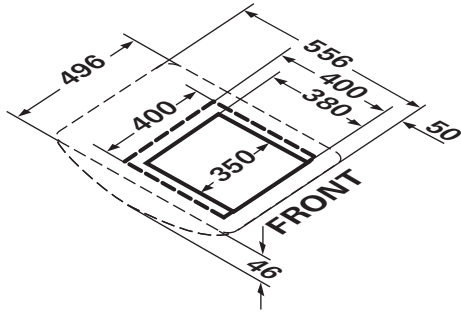


Figure 11 a – air distributor small

Air inlets / outlets

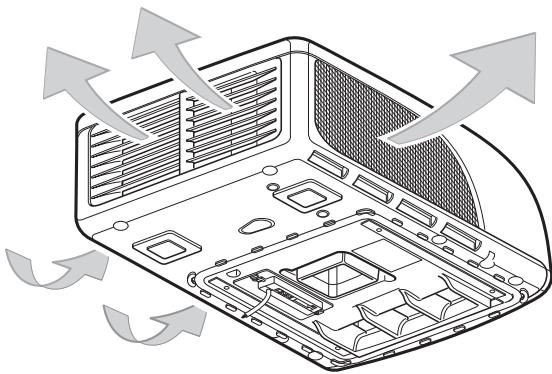


Figure 12

Condensation traps

The condensation is led away via the roof of the vehicle.

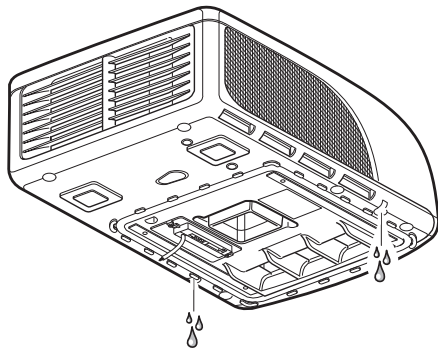


Figure 13

Subject to technical changes.

Manufacturer's Warranty (European Union)

1. Scope of Manufacturer's Warranty

As the Manufacturer of the appliance, Truma undertakes a warranty towards the Consumer that covers any material and/or manufacturing defects of the appliance.

This Warranty is applicable in EU member states as well as in Iceland, Norway, Switzerland and Turkey. A Consumer is the natural person who was the first one to purchase the appliance from the Manufacturer, OEM or dealer and who neither resold the appliance in a commercial or self-employed professional capacity nor installed it for a third party in such a capacity.

The Manufacturer's Warranty covers any of the aforementioned defects that occur within 24 months upon concluding the purchase agreement between the seller and the Consumer. The Manufacturer or an authorised service partner undertakes to remedy such defects through subsequent fulfilment, i.e. at its discretion either by repairing or replacing the defective item. Defective parts shall become the property of the Manufacturer or the authorised service partner. If the appliance 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 its Warranty commitment, the term of the Warranty shall not start again with regard to the repaired or replaced parts; rather, the original warranty period shall continue to be applicable to the appliance. Only the Manufacturer itself and an authorised service partner shall be entitled to conduct a warranty job. Any costs that occur in the event of a warranty claim shall be settled directly between the authorised service partner and the Manufacturer. The Warranty does not cover additional costs arising from complicated removal or installation jobs on the appliance (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 the Manufacturer.

No further-reaching claims shall be permitted, especially damage claims presented by the Consumer or third parties. This shall not affect the provisions of the German Product Liability Act (Produkthaftungsgesetz).

The voluntary manufacturer's warranty does not affect the consumer's legally valid claims for defects against the seller in the relevant country of purchase. In individual countries there may be warranties that can be issued by the relevant dealer (official distributor, Truma Partner). In such cases the warranty can be implemented directly through the dealer from whom the Consumer bought the appliance. The warranty regulations of the country in which the appliance was purchased by the Consumer for the first time shall also be applicable.

2. Warranty exclusions

No warranty claim shall be applicable under the following circumstances:

- Improper, unsuitable, faulty or negligent use and any use that is not compliant with the intended purpose
- Improper installation, assembly or commissioning, contrary to operating or installation instructions
- Improper operation or operation contrary to operating or installation instructions, particularly any disregard for maintenance, care or warning notes,
- Instances where installations, repairs or any other procedures have been conducted by non-authorised parties

- Consumable materials and parts which are subject to natural wear and tear
- Installation of replacement, supplementary or accessory parts that are not original manufacturer's parts or which have not been approved by the manufacturer. This applies in particular if the appliance is subject to networked control, if the control units or the software have not been approved by Truma or if the Truma control unit (e.g. Truma CP plus or Truma iNet Box) has not been exclusively used for controlling Truma appliances or appliances approved by Truma.
- As a consequence of damage arising from foreign substances (e.g. oil, or plasticisers in the gas), chemical or electrochemical influences in the water, or cases when the appliance has come into contact with unsuitable substances (e.g. chemical products, flammable substances or unsuitable cleaning agents)
- Damage caused by abnormal environmental or unsuitable operating conditions
- Damage caused by force majeure or natural disasters or any other influences not within Truma's responsibility
- Damage resulting from improper transport
- End customer's or third-party modifications of the appliance, including any replacement, supplementary or accessory parts, or installation of the same, especially concerning the exhaust gas system or the cowl.

3. Making a warranty claim

The warranty must be claimed with an authorised service partner or at the Truma Service Centre. All the relevant addresses and phone numbers can be found at www.Truma.com, in the "Service" section.

The Manufacturer's address is:
 Truma Gerätetechnik GmbH & Co. KG
 Truma Servicezentrum
 Wernher-von- Braun-Straße 12
 85640 Putzbrunn, Germany

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 appliance
- Date of purchase

The authorised service partner or the Truma Service Centre will then specify the further procedure. To avoid transport damage, the affected appliance must only be shipped by prior arrangement with the authorised service partner or the Truma Service Centre.

If the warranty claim is recognised by the Manufacturer, then the transport expenses shall be borne by the same. If no warranty claim is applicable, the Consumer will be notified accordingly and any repair and transport expenses shall then be the Consumer's liability. We ask you not to send in an appliance without prior arrangement.