PAC 2010 E / PAC 2610 E

EN

OPERATING MANUAL
LOCAL AIR CONDITIONER

TROTEC

TRT-BA-PAC2010E-PAC2610E-TC-001-EN

Table of contents

Notes regarding the operating manual 1
Safety 2
Information about the device 4
Transport and storage 5
Assembly and installation 5
Operation 10
Errors and faults 16
Maintenance 18
Technical annex 22
Disposal 25

Notes regarding the operating manual

Symbols

Warning of electrical voltage
This symbol indicates dangers to the life and health of persons due to electrical voltage.

Warning
This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.

Caution
This signal word indicates a hazard with a low risk level which, if not avoided, can result in minor or moderate injury.

Notice
This signal word indicates important information (e.g. material damage), but does not indicate hazards.

Info
Information marked with this symbol helps you to carry out your tasks quickly and safely.

Follow the manual
Information marked with this symbol indicates that the operating manual must be observed.

You can download the current version of the operating manual and the EU declaration of conformity via the following link:

PAC 2010 E

http://hub.trotec.com/?id=40010

PAC 2610 E

http://hub.trotec.com/?id=40011

Legal notice

Warranty and liability

The device complies with the fundamental health and safety requirements of the applicable EU regulations and was tested at the factory for perfect functionality multiple times.

However, if faults in the functionality occur and cannot be remedied with the measures in the chapter Errors and faults, please get in touch with your dealer or distributor.

When making a warranty claim, supply the device number (see label on the device).

When manufacturer's instructions or legal regulations have not been followed, or after unauthorised changes to the device are made, the manufacturer is not responsible for the resulting damages. Changes to the device or unauthorised replacement of individual parts can drastically impact the electrical safety of this product and will result in the loss of the warranty. Liability does not extend to damages to people or property caused by the device being used other than as described in the instructions in this operating manual. Subject to changes to technical design and model changes as part of constant development and product improvement without prior notice.

No liability is accepted for damages resulting from improper use. In such a case, any warranty claims will be voided also.

Safety

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use!

Warning

Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and / or serious injury.
Save all warnings and instructions for future reference.
This appliance can be used by children aged from 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.
Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

- Do not use the device in potentially explosive rooms.
- Do not use the device in aggressive atmosphere.
- Set the device up in an upright and stable position.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not use the device with wet or damp hands.
- Do not expose the device to directly squirting water.
- Never insert any objects or limbs into the device.
- Do not cover or transport the device during operation.
- Do not sit on the device.
- This appliance is not a toy! Keep away from children and animals. Do not leave the device unattended during operation.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.
- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The electrical connection must correspond to the specifications in chapter Technical data.
- Insert the mains plug into a properly secured mains socket.
- Observe the technical data when selecting extensions to the power cable. Completely unroll the extension cable. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.

- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable.
  If the supply cord is damaged, it must be replaced by the manufacturer, his service agent or similarly qualified persons in order to avoid a hazard.
  Defective power cables pose a serious health risk.
- Observe the storage and operating conditions (see chapter Technical data).
- Ensure that the air inlet and outlet are not obstructed.
- Ensure that the side of the device where the air inlet is found is kept free of dirt and loose objects.
- Only transport the device in an upright position with an emptied condensation tank or drain hose.
- Discharge the collected condensate before transport and storage. Do not drink it. Health hazard!

Intended use

Only use the device for cooling, ventilating and dehumidifying indoor air whilst adhering to the technical data.

Improper use

- Do not place the device on wet or flooded ground.
- Do not place any objects, e.g. clothing, on the device.
- Do not use the device outdoors.
- Any unauthorised modifications, such as alterations or structural changes to the device, are forbidden.
- Any operation other than as described in this manual is prohibited. Non-observance renders all claims for liability and guarantee null and void.

Personnel qualifications

People who use this device must:

- be aware of the dangers that occur when working with electric devices in damp areas.
- have read and understood the operating manual, especially the Safety chapter.

Maintenance tasks which require the housing to be opened must only be carried out by specialist companies for cooling and air-conditioning or by Trotec.

Residual risks

Warning of electrical voltage
Work on the electrical components must only be carried out by an authorised specialist company!

Warning of electrical voltage
Before any work on the device, remove the mains plug from the mains socket!
Hold onto the mains plug while pulling the power cable out of the mains socket.

Warning
Dangers can occur at the device when it is used by untrained people in an unprofessional or improper way!
Observe the personnel qualifications!

Warning
The device is not a toy and does not belong in the hands of children.

Warning
Risk of suffocation!
Do not leave the packaging lying around. Children may use it as a dangerous toy.

Notice
Do not operate the device without an inserted air filter!
Without an air filter the inside of the device will be heavily contaminated, which could reduce the dehumidification performance and result in damage to the device.

Behaviour in the event of an emergency

1. In an emergency, disconnect the device from the mains feed-in: Switch the device off and disconnect the power cable from the mains socket. Hold onto the mains plug while doing so.
2. Do not reconnect a defective device to the mains.

Information about the device

Device description

The device serves the purpose of cooling the room air. It further filters and dehumidifies the air thus creating an agreeable room climate.

The unit cools the room air by withdrawing warmth. The absorbed warmth is emitted to the outside via the exhaust air hose; cooled air is fed to the installation site by means of a fan.

Accumulating condensate drips from the evaporator onto the hot condenser, there it evaporates and then is transported to the outside via the exhaust air hose.

In *ventilation* mode the device provides the opportunity of air circulation without cooling effect.

In *dehumidification* mode moisture is withdrawn from the air.

The device comes with a self-cleaning function for internal drying to prevent mould formation or the likes due to residual moisture on the inside of the device.

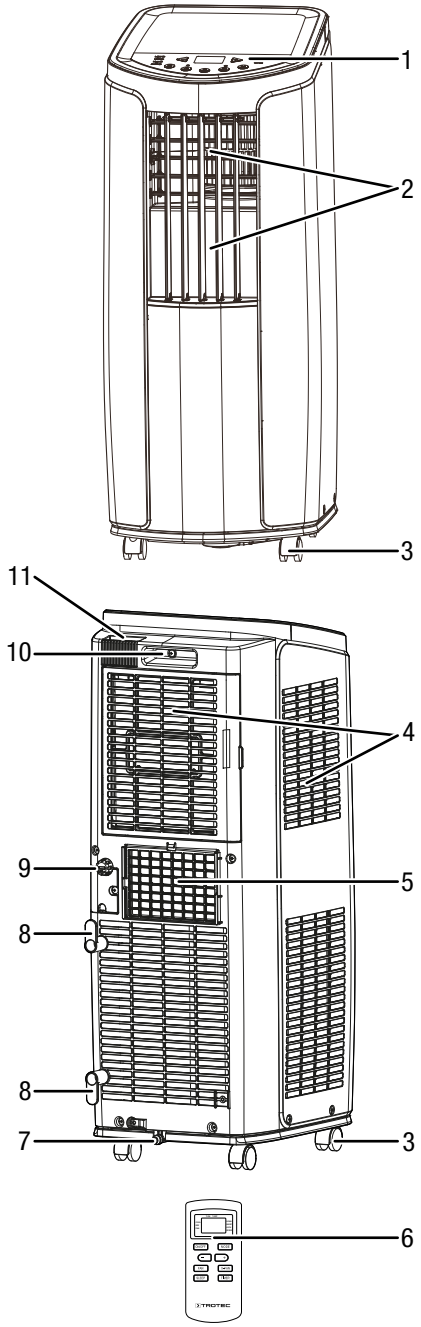
The device operates fully automatically and features a variety of further options. The device can, for instance, be switched on or off automatically with time delay via the timer function.

Operation of the device is possible either via the control panel at the device or via the supplied infrared remote control.

The device was designed for universal and flexible application.

Due to its compact dimensions it can be easily transported and used in all interior spaces.

Device depiction



No.	Designation
1	Control panel
2	Air outlet with ventilation flaps
3	Wheels
4	Air inlet with air filter
5	Exhaust air hose connection
6	Remote control
7	Condensate outlet with rubber cap
8	Power cable holder
9	Hose connector with sealing cap and rubber stopper
10	Handle
11	Compartment for remote control

Transport and storage

Notice

If you store or transport the device improperly, the device may be damaged.
Note the information regarding transport and storage of the device.

Transport

Before transporting the device, proceed as follows:

- Switch off the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Drain the remaining condensate from the device and the condensation drain hose (see chapter Maintenance).
- To make the device easier to transport, it is fitted with wheels.
- Do not use the power cable to drag the device.
- Only wheel the device on a level and smooth surface.

After transporting the device, observe the following:

- Set up the device in an upright position after transport.
- Leave the device to rest for 12 - 24 hours, so the refrigerant can accumulate within the compressor. Wait 12 - 24 hours before switching the device back on! Acting contrary might lead to compressor damage and a malfunctioning device. If so, any warranty claims will be voided.

Storage

Before storing the device, proceed as follows:

- Drain the remaining condensate from the device and the condensation drain hose (see chapter Maintenance).
- Carry out the self-cleaning function to prevent the formation of moisture within the device during a longer period of non-use.

When the device is not being used, observe the following storage conditions:

- dry and protected from frost and heat
- in an upright position where it is protected from dust and direct sunlight
- with a cover to protect it from invasive dust if necessary
- Place no further devices or objects on top of the device to prevent it from being damaged.
- Remote batteries from the remote control.

Assembly and installation

Scope of delivery

- 1 x device
- 1 x exhaust air hose
- 1 x hose adapter
- 1 x condensation drain hose, length: 0.3 m, diameter: 14 mm
- 1 x hose connector
- 1 x two-part flat nozzle
- 2 x clamping piece
- 1 x rubber stopper
- 1 x retaining clip
- 1 x remote control
- 2 x power cable holder
- 3 x screw
- 1 x manual

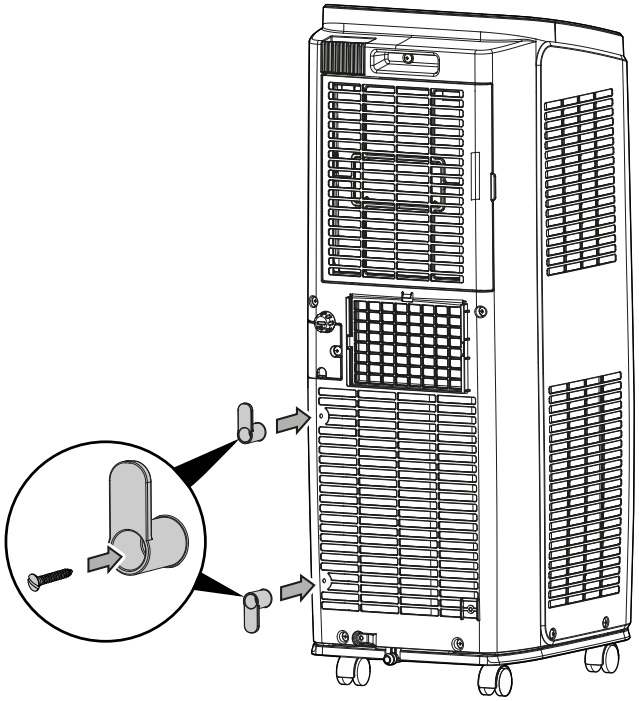
Unpacking the device

1. Open the cardboard box and take the device out.
2. Completely remove the packaging.
3. Fully unwind the power cable. Make sure that the power cable is not damaged and that you do not damage it during unwinding.

Assembly

Mounting the power cable holder

1. Assemble the power cable holding fixture by screwing down the power cable holders at the back of the device.
   ⇨ Observe the lug direction of the power cable holder. The lug of the upper power cable holder points upwards, the bottom one towards the bottom.



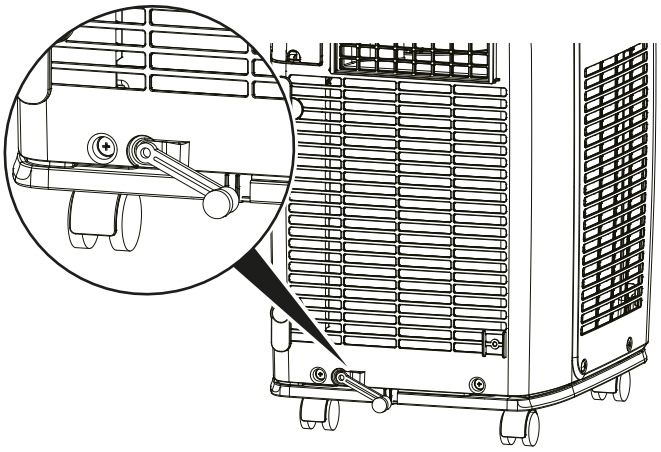
⇨ If required, the power cable can be reeled around the holding fixture.

Mounting the condensation drain hose (optional)

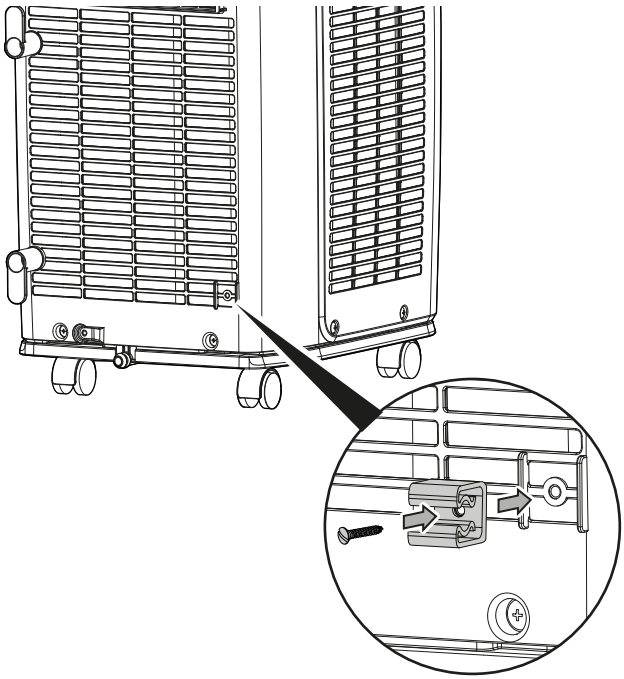
The condensation drain hose serves as drip protection and, if required, for discharging remaining condensate.

✓ The device is switched off.
✓ The device is disconnected from the mains.

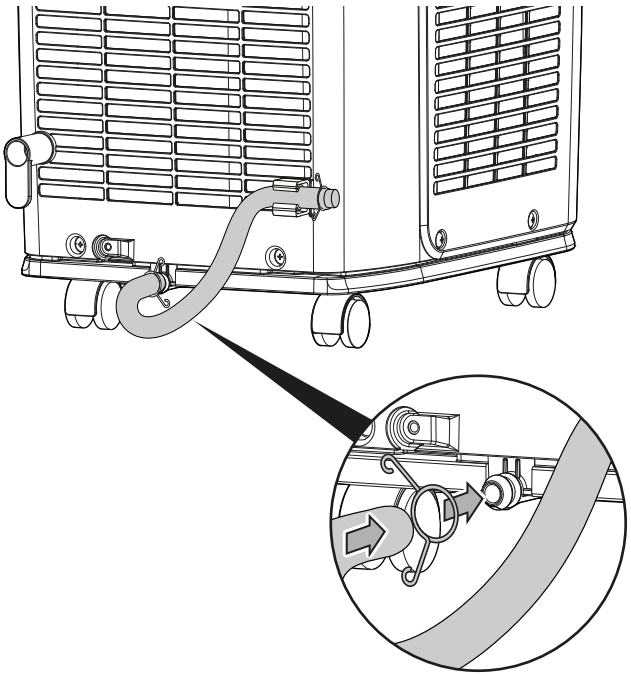
1. Remove the rubber cap from the condensate outlet.



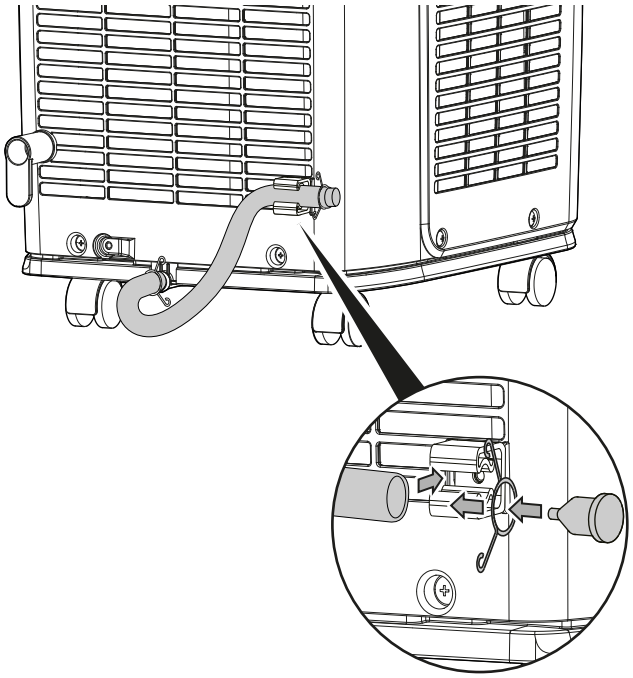
2. Screw the retaining clip to the device.



3. Place one end of the condensation drain hose into the retaining clip.
4. Push the other end of the condensation drain hose onto the condensate outlet. Fix the condensation drain hose in place by means of a clamping piece.

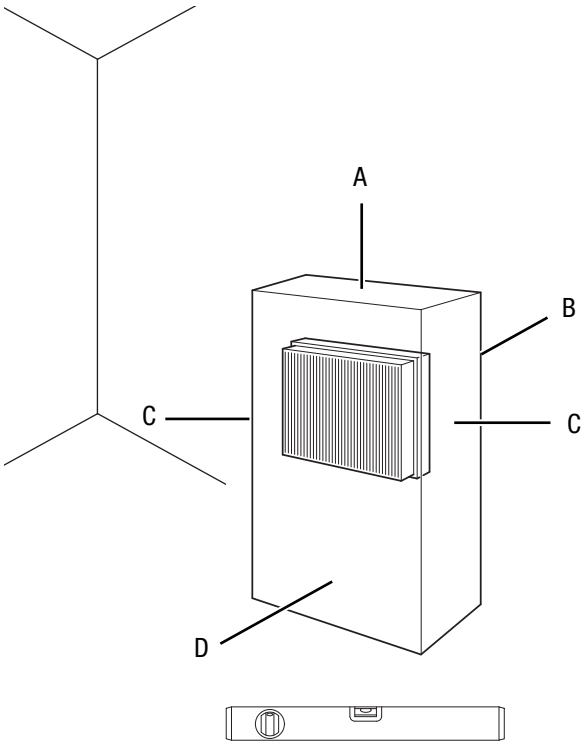


5. Plug the rubber stopper into the other end of the condensation drain hose. Secure the rubber stopper by means of a clamping piece.



Start-up

When positioning the device, observe the minimum distance from walls or other objects as described in the Technical data chapter.



- Before restarting the device, check the condition of the power cable. If there are doubts as to the sound condition, contact the customer service.
- Set the device up in an upright and stable position.
- Do not create tripping hazards when laying the power cable or other electric cables, especially when positioning the device in the middle of the room. Use cable bridges.
- Make sure that extension cables are completely unrolled.
- Keep air inlets and outlets as well as the exhaust air hose connection free.
- Make sure that no curtains or other objects interfere with the air flow.

Prior to initial start-up, insert the batteries in the remote control.

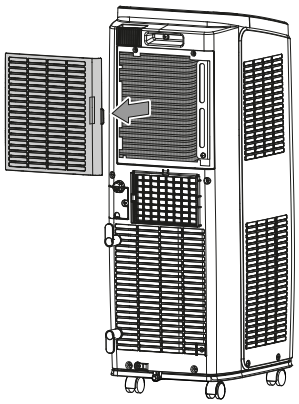
Inserting the air filter

Notice

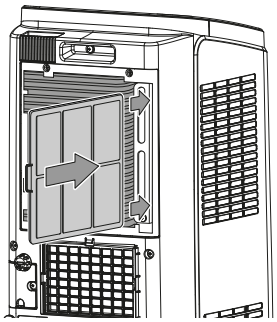
Do not operate the device without an inserted air filter! Without an air filter the inside of the device will be heavily contaminated, which could reduce the dehumidification performance and result in damage to the device.

- Make sure that both air filters are installed before switching the device on.

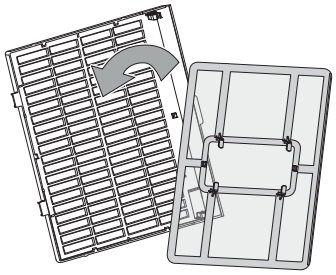
A.



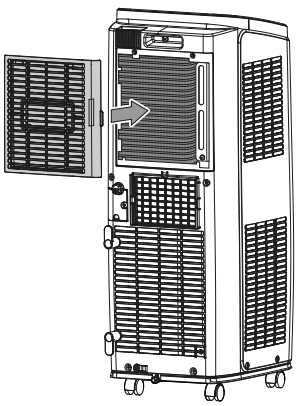
B.



C.

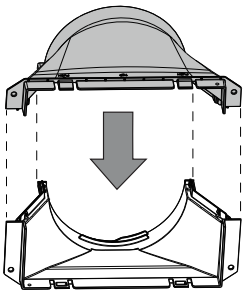


D.

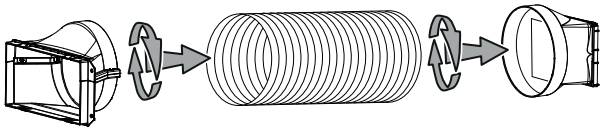


Connecting the exhaust air hose

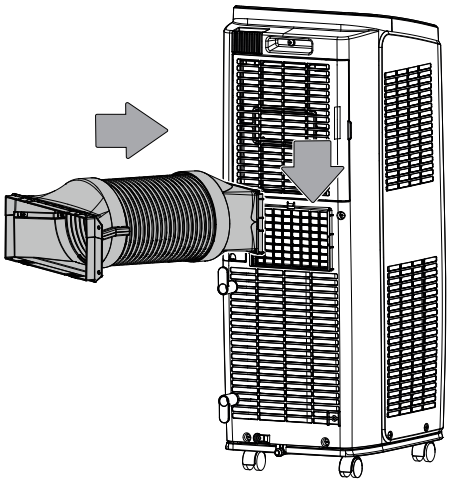
1. Assemble the two-part flat nozzle by pushing the top connection piece onto the bottom one until they click into place.

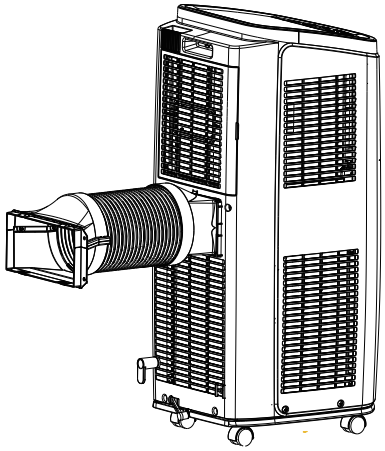


2. Screw the flat nozzle onto one end of the exhaust air hose in the direction of the arrow.
3. Screw the hose adapter onto the other end of the exhaust air hose in the direction of the arrow.



4. Insert the hose adapter with exhaust air hose into the air conditioner's exhaust air hose connection. The side labelled *TOP* must face upwards.



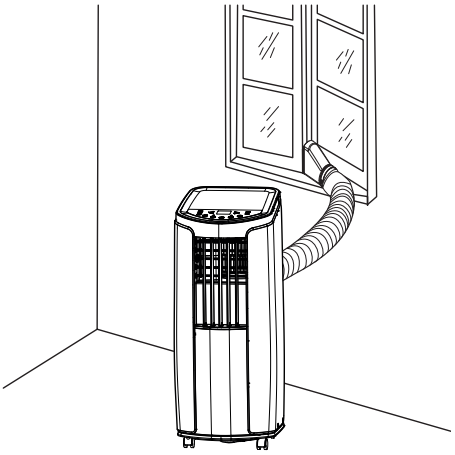


Discharging exhaust air

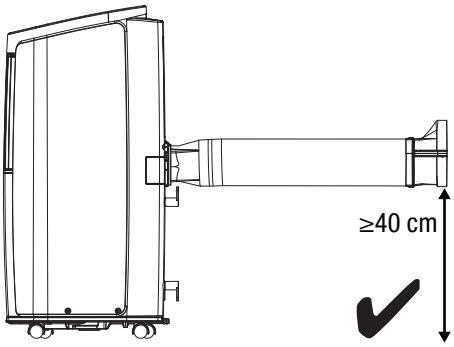
- The exhaust air coming from the device contains waste heat from the room to be cooled. For this reason it is recommended to discharge the exhaust air to the outside.
- The end of the exhaust air hose can be fed through the open window. If required, secure the open window with the corresponding means, so that the end of the exhaust air hose cannot shift.
- The end of the exhaust air hose can also be hooked into a tilted window.

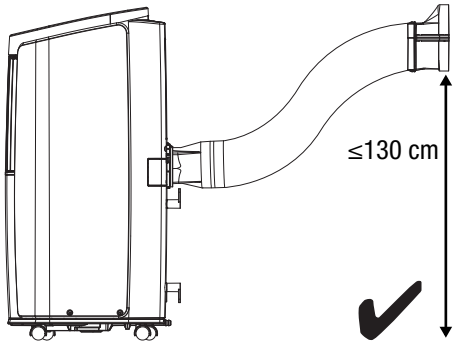
  For this purpose, we recommend using a window seal (optional).
- Install the exhaust air hose inclined with the air direction.

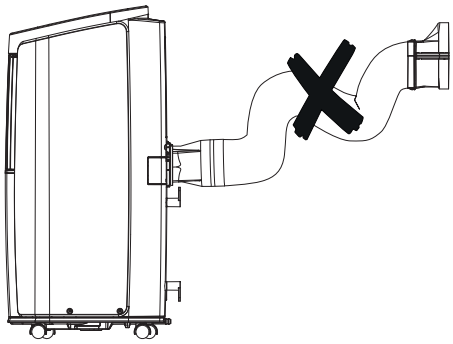
Example with exhaust air hose:



For installing the exhaust air hose please observe the following:



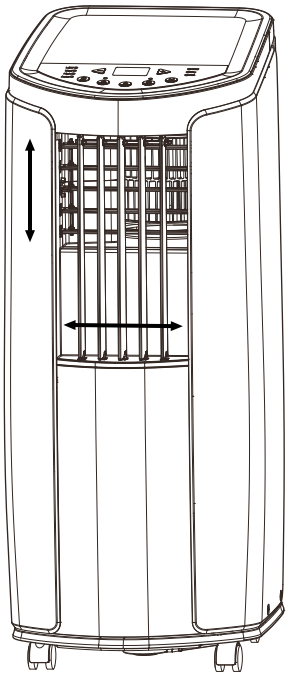




- Avoid kinks and bends in the exhaust air hose, as they would lead to an accumulation of emitted humid air causing the device to overheat and shut down.
- The dimensions of the exhaust air hose were especially made to fit the device. Do not replace or extend the hose, for it could cause a malfunction.

Opening the ventilation flaps

1. Prior to switching the device on, open the ventilation flaps at the air outlet.



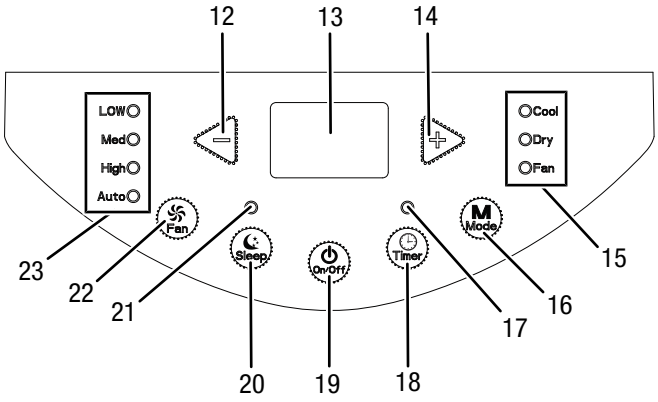
Connecting the power cable

- Insert the mains plug into a properly secured mains socket.

Operation

- Avoid open doors and windows.

Operating elements



No.	Designation	Function
12	*Minus* arrow button	Decreasing the target temperature (16 °C to 30 °C) or the number of hours of the timer (0.5 to 24 h).
13	Segment display	Indication of the target temperature in *cooling* mode Indication the number of hours during timer programming Indication of the error code, see chapter Errors and faults °C / °F indication
14	*Plus* arrow button	Increasing the target temperature (16 °C to 30 °C) or the number of hours of the timer (0.5 to 24 h).
15	Operating mode LED	Indicates the selected operating mode: Cool = *cooling* Dry = *dehumidification* Fan = *ventilation*
16	*Mode* button	Selecting the operating mode: *cooling* *dehumidification* *ventilation*
17	*Timer* LED	Illuminated when the timer is activated
18	*Timer* button	Switching the timer function on and off: in increments of 0.5 hours (0.5 to 10 h) or in increments of 1 hour (11 to 24 h)
19	*On/Off* button	Power button: Switching the device on and off
20	*Sleep* button	Switching night mode on and off
21	*Sleep* LED	Illuminated when night mode is activated
22	*Fan* button	Setting the fan stage: *Low* = lowest level *Med* = medium level *High* = highest level *Auto* = automatic speed regulation
23	Fan stage LED	Indicates the current fan stage

Info

An acoustic signal is emitted each time a setting is activated.

Switching the device on

1. Allow the device to rest for a time.
2. Once you have completely installed the device as described in the Start-up chapter, you can switch it on.
3. Press the *On/Off* button (19).
   ⇨ The device switches on.
4. Select the desired operating mode.

The device switches off automatically when the condensation tank is full. *H8* is displayed on the segment display (13).

Setting the operating mode

Cooling

In *cooling* mode the room will be cooled down to a certain preselected temperature.

Upon reaching the target temperature, the device switches to standby, i.e. the fan keeps running at the preselected level, but the device does not resume cooling until the preselected value is exceeded again.

The automatic stage depends on the current room temperature and the set target temperature. The fan speed increases with a high room temperature. The fan speed decreases in case of a low room temperature.

1. Use the *Mode* button (16) to select *cooling* mode.
   ⇨ The operating mode LED *Cool* (15) is illuminated.
2. Select the desired target temperature by use of the arrow buttons (12 or 14). The temperature can be adjusted in increments of 1 °C in a range between 16 °C and 30 °C.
   ⇨ The desired target temperature is indicated on the segment display (13).
3. Select the desired fan stage by use of the *Fan* button (22).
   ⇨ The fan stage LED (23) indicates the desired fan stage.

Dehumidification

In *dehumidification* mode the humidity level in the room is reduced.

The temperature cannot be adjusted and the fan runs at the lowest speed level.

Info
Remove the exhaust air hose during dehumidification, otherwise the performance will be insufficient.

1. Press the *Mode* button (16) until the operating mode LED *Dry* (15) is illuminated.

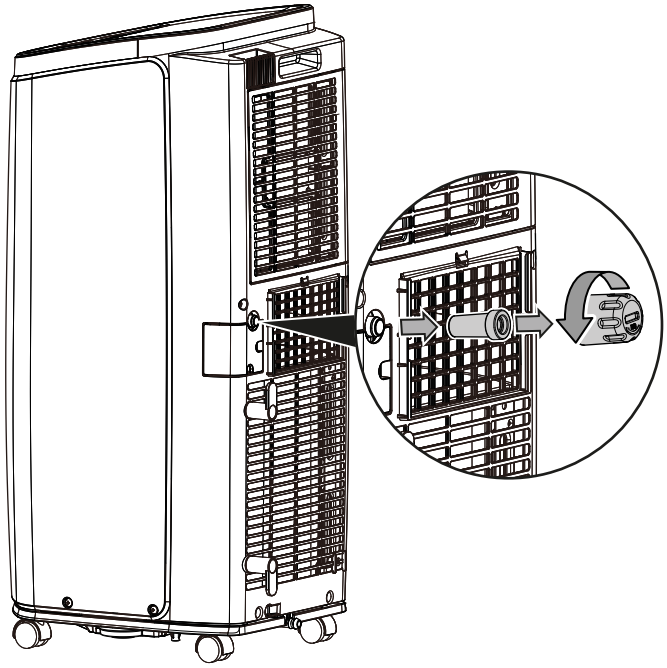
Info
If the device is operated in a very humid environment, the accumulating condensate must be discharged at regular intervals (see chapter Condensate discharge).

Connecting the condensation hose

If you use the device for an extended period of time or you don't want to empty the condensation tank all the time, you can connect the condensation drain hose to the hose connection.

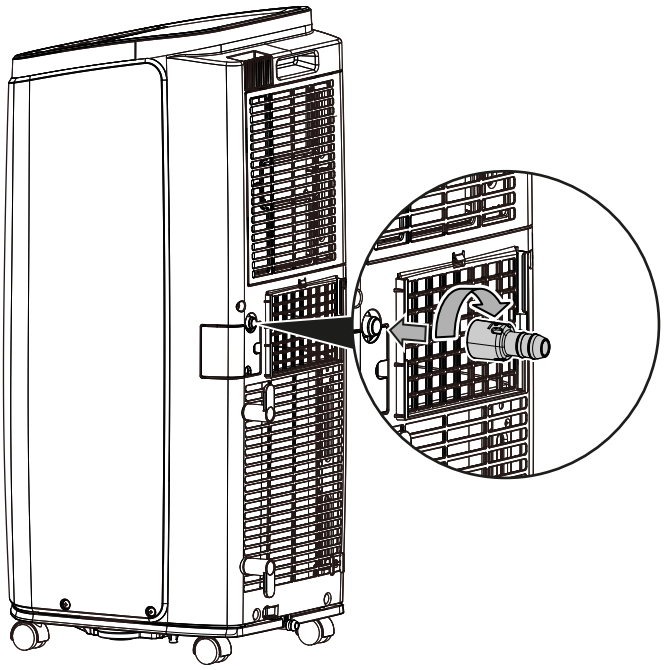
✓ The device is switched off.
✓ The device is disconnected from the mains.

1. Carefully transport or wheel the device to a suitable location for discharging the condensate (e.g. a drain) or position a suitable collection container under the condensate outlet.
2. Unscrew the sealing cap counter-clockwise from the hose connection (9).

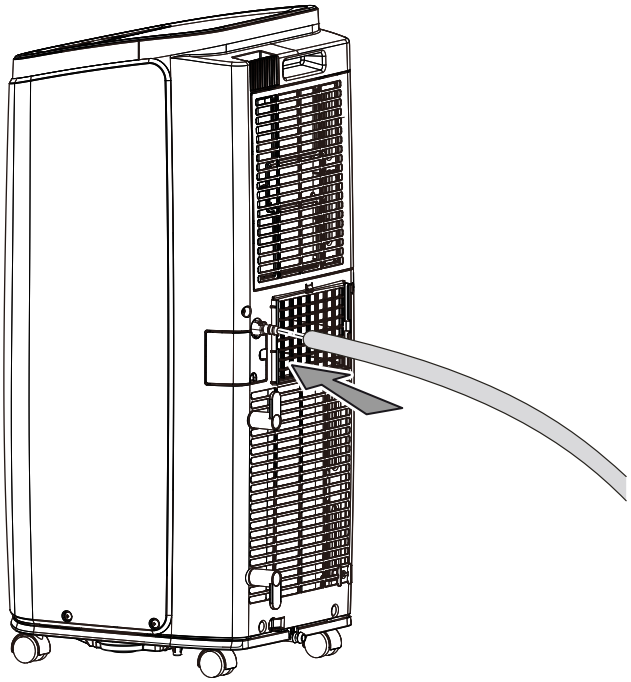


3. Remove the rubber stopper from the hose connection.
4. Keep sealing cap and rubber stopper for later use.

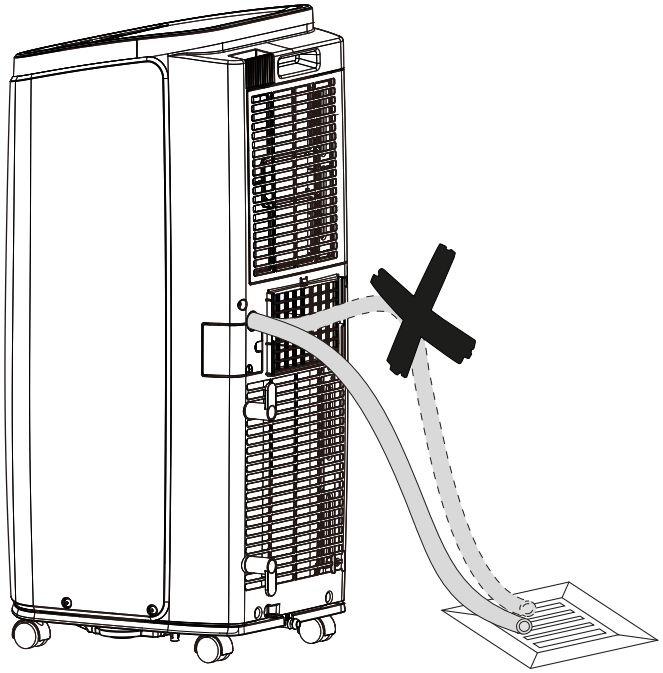
5. Turn the connector clockwise to screw it onto the hose connection.



6. Connect the condensation drain hose.



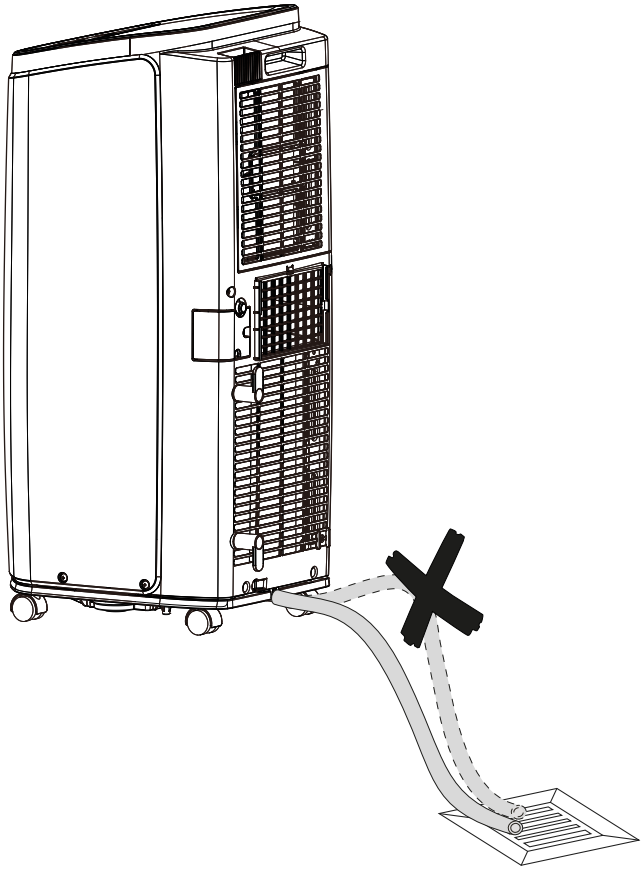
7. Guide the other end of the condensation drain hose to a suitable drain or sufficiently dimensioned collection container. To ensure that the condensate can run off, the hose must not be kinked, nor should it have to overcome an uphill incline towards the drain.



Info

If during assembly you mounted the condensation drain hose at the bottom, you can let the condensate drain off there.

1. Remove the rubber stopper from the condensation drain hose.
2. Detach the condensation drain hose from the retaining clip and guide the hose to a drain or collection container. To ensure that the condensate can run off, the hose must not be kinked, nor should it have to overcome an uphill incline towards the drain.



Ventilation

In *ventilation* mode the room air is circulated, it will neither be cooled nor dehumidified.

The automatic stage depends on the current room temperature and the set target temperature. The fan speed increases with a high room temperature. The fan speed decreases in case of a low room temperature.

Info

Remove the exhaust air hose during ventilation.

1. Press the *Mode* button (16) until the operating mode LED *Fan* (15) is illuminated.
2. Press the *Fan* button (22) to set the fan stage.
   ⇨ The *fan stage* LED (23) for the selected fan stage will be illuminated.

Setting the timer

The timer has two modes of operation:

- automatic switch-on upon expiry of a preset number of hours
- automatic switch-off upon expiry of a preset number of hours

The timer can be programmed in increments of 0.5 hours (0.5 to 10 h) or in increments of 1 hour (11 to 24 h).

The function can be set in all operating modes and also during stand-by.

Notice

Do not leave the operating device unattended in a freely accessible room with an activated timer.

Automatic switch-on

✓ The device is switched off.

1. Press the *Timer* button (18) to activate the timer.
   ⇨ The *Timer* LED (17) flashes.
   ⇨ The segment display (13) indicates the number of hours until automatic switch-on (default: *0.5*).
2. Press the *plus / minus* arrow buttons (12, 14) until the desired number of hours until automatic switch-on has been set.
   ⇨ The number of hours is indicated on the segment display (13) for approx. 5 s.
3. Press the *Timer* button (18) to confirm the desired number of hours until automatic switch-on.
   ⇨ The segment display (13) switches off. The *Timer* LED (17) is illuminated.
   ⇨ After the predefined time, the device switches itself on.
4. Press the *Timer* button (18) again to deactivate the timer.

Notes regarding automatic switch-on:

- If the device is disconnected from the power supply, all settings for automatic switch-on are deleted.
- Manually switching the device on disables the automatic switch-on function.
- Pressing the *Timer* button (18) again deactivates the timer.

Automatic switch-off

✓ The device is switched on.

1. Press the *Timer* button (18) to activate the timer.
   ⇨ The *Timer* LED (17) flashes.
   ⇨ The segment display (13) indicates the number of hours until automatic switch-off (default: *0.5*).
2. Press the *plus / minus* arrow buttons (12, 14) until the desired number of hours until automatic switch-off has been set.
   ⇨ The number of hours is indicated on the segment display (13) for approx. 5 s.
3. Press the *Timer* button (18) to confirm the desired number of hours until automatic switch-off.
   ⇨ The segment display (13) switches off. The *Timer* LED (17) is illuminated.
   ⇨ The device keeps running until the given switch-off time has expired.
4. Press the *Timer* button (18) again to deactivate the timer.

Night mode

The night mode can be activated when in *cooling mode*. Night mode comes with the following settings:

- After one hour the preset temperature is increased by 1 °C.
  After 2 hours the preset temperature will again be increased by 1 °C. Then the temperature is kept constant.

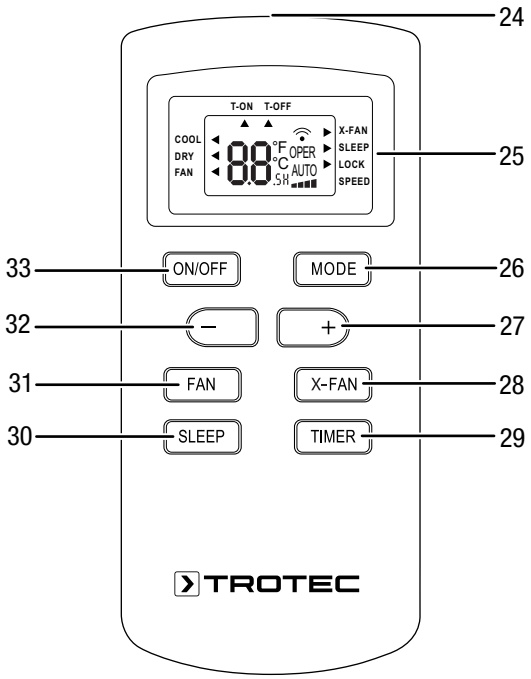
Proceed as follows to activate night mode:

1. Select *cooling* mode.
2. Press the *Sleep* button (20).
   ⇨ The *Sleep* LED (21) is illuminated.
   ⇨ The fan stage will automatically be set to *Low*.
3. In order to switch the night mode off, press the *Sleep* button (20) once again.
   ⇨ The *Sleep* LED (21) goes out.

Remote control

All settings of the device can also be made using the remote control included in the scope of delivery.

Info
After a longer period of non-use, the remote control will switch to standby mode. Standby mode can be terminated by pressing the *ON/OFF* button (33) on the remote control. The device automatically uses the current settings entered via the remote control.



No.	Designation	Meaning
24	Remote control transmitter / receiver	Communication between device and remote control using infrared
25	Display	Indication of the target temperature during setting Indication of the number of hours during timer programming Indication of the operating mode Indication of the fan stage Indication of the self-cleaning function (*X-FAN*) Timer on / off indication °C / °F indication Key lock indication Night mode indication
26	*MODE* button	Selection button for the mode of operation
27	*Plus* button	Setting the target temperature for cooling Setting the number of hours for the timer function
28	*X-FAN* button	Self-cleaning function / internal drying during stand-by
29	*TIMER* button	Switching the timer function on and off: in increments of 0.5 hours (0.5 to 10 h) or in increments of 1 hour (11 to 24 h)
30	*SLEEP* button	Switching night mode on and off
31	*FAN* button	Setting the fan stage
32	*Minus* button	Setting the target temperature for cooling Setting the number of hours for the timer function
33	*ON/OFF* button	On/Off button: Switching the device on and off

Info
An acoustic signal is emitted each time a setting is activated.

Changing the unit °C / °F

The temperature can be indicated in either °C or °F on the remote control's display (25) and on the segment display (13) of the device.

The temperature unit can only be changed in standby mode.

Please proceed as follows to change the temperature unit:

1. Press the *minus* (32) and *MODE* (26) buttons simultaneously.

⇨ The displayed temperature is converted to the other unit.

Key lock (remote control only)

The function can be activated via the remote control both during operation and in standby mode.

The key lock applies to the remote control only – the control panel at the device is not affected and can be used nonetheless.

1. Simultaneously press the *plus / minus* buttons (27, 32) on the remote control.
   ⇨ The key lock is activated. The remote control cannot send signals to the device.
   ⇨ The *LOCK* indication can be seen on the remote control's display (25).
2. Simultaneously press the *plus / minus* buttons (27, 32) once more.
   ⇨ The key lock is deactivated.
   ⇨ The *LOCK* indication on the remote control's display (25) disappears.

Switching the control panel illumination on and off

The illumination of the control panel can be switched on or off via the remote control both during operation and in standby mode.

1. Simultaneously press the *plus* button (27) and the *FAN* button (31) on the remote control for 3 s.
   ⇨ The control panel illumination will be switched off.
   ⇨ The device continues to run with the selected settings.
2. Simultaneously press the *plus* button (27) and the *FAN* button (31) again for 3 s.
   ⇨ The control panel illumination will be switched back on.

Self-cleaning function / Internal drying

This function serves to dry the interior of the device in order to prevent the formation of mould or similar inside the device due to residual moisture.

The self-cleaning function should be used if the device is not operated or is stored for a longer period of time.

This function can be activated via the remote control during *cooling* and *dehumidification*.

The fan continues to run at low speed for a while after the device has been switched off.

Please proceed as follows to activate the self-cleaning function / internal drying:

1. Select the operating mode *cooling* or *dehumidification*.
2. Press the *X-FAN* button (28) on the remote control.
   ⇨ The *X-FAN* indication can be seen on the remote control's display (25).
3. Press the *ON/OFF* button (33) to switch the device off.
   ⇨ The fan continues to run at low speed for a while. Then the fan switches off as well.
4. You can deactivate the self-cleaning function / internal drying at any time by pressing the *X-FAN* button (28) again.

Memory function

After a power failure during operation the device will automatically be switched back on. The chosen operating mode settings will be saved, a possibly programmed timer will not.

All the chosen settings (incl. timer) remain saved on the remote control. As soon as the device receives an input from the remote control, the settings will be transmitted from the remote control to the device.

The compressor may start up with a delay of 3 min, as it is provided with an internal protection against direct restart.

Automatic defrost

At low ambient temperatures, ice may form at the evaporator. The device will then carry out an automatic defrost.

The compressor switches off and the fan keeps running until defrosting is completed. The duration of the defrost process can vary.

Do not switch the device off during automatic defrost. Do not remove the mains plug from the mains socket.

Shutdown

Warning of electrical voltage
Do not touch the mains plug with wet or damp hands.

- Switch off the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- If necessary, remove the condensation drain hose and any residual fluid from it.
- Empty the condensation tank, if need be.
- If necessary, carry out self-cleaning (see chapter Self-cleaning function).
- Clean the device according to the Maintenance chapter.
- Store the device according to the Storage chapter.

Errors and faults

The device has been checked for proper functioning several times during production. If malfunctions occur nonetheless, check the device according to the following list.

The device does not start:

- Check the power connection.
- Check the power cable and mains plug for damages.
- Check the on-site fusing.
- Observe the operating temperature according to the Technical data chapter.
- Check the filling level of the condensation tank and empty it if necessary. The error code H8 must not be indicated on the segment display.
- Wait for 10 minutes before restarting the device. If the device is not starting, have the electrics checked by a specialist company or by Trotec.

The device works with reduced or no cooling capacity:

- Check whether *cooling* mode is selected.
- Check the proper fit of the exhaust air hose. In case of kinks, bends or blockage in the hose, exhaust air cannot be discharged. Clear the way for the exhaust air.
- Check the position of the ventilation flaps. They should be opened to the maximum.
- Check the air filter(s) for dirt. If necessary, clean or replace the air filter(s).
- Check the minimum distance to walls or other objects. Position the device a little more in the room's centre if required.
- Check whether any windows and/or doors of the room are open. If so, close them. The window for the exhaust air hose has to remain open nonetheless.
- Check the temperature setting at the device. Reduce the set temperature if it is higher than the room temperature.

The device is loud or vibrates:

- Check whether the device is set up in a stable and upright position.

Condensate is leaking:

- Check the device for leaks.

The compressor does not start:

- In *cooling* mode the compressor will only start at a room temperature of at least 16 °C.
- Check whether the overheating protection of the compressor has tripped. Disconnect the device from the mains and let it cool down for approx. 10 minutes before reconnecting it.
- Check whether the ambient temperature equals the target temperature (in *cooling* mode). The compressor will not switch on unless the respective temperature is reached.
- The compressor may start up with a delay, as it is provided with an internal protection against direct restart.

The device gets very warm, is loud or loses power:

- Check the air inlets and air filter for dirt. Remove external dirt.
- From the outside, check the device for dirt (see chapter Maintenance). If the inside of the device is dirty, have it cleaned by a specialist company for cooling and air-conditioning or by Trotec.

The device does not respond to the infrared remote control:

- Check whether the distance between remote control and device is too large and reduce it if necessary.
- Make sure there are no obstacles, such as furniture or walls, between the device and the remote control. Ensure visual contact between device and remote control.
- Check the charging status of the batteries and change them if required.
- If the batteries have only just been changed, check them for correct polarity and change them if required.
- After a longer period of non-use, the remote control will switch to standby mode. Standby mode can be terminated by pressing the *ON/OFF* button (33) on the remote control.

> **Notice**
> Wait for at least 3 minutes after maintenance and repair work. Only then switch the device back on.

Your device still does not operate correctly after these checks?

Please contact the customer service. If necessary, bring the device to a specialist company for cooling and air-conditioning or to Trotec for repair.

Error codes

The following error messages can be displayed on the segment display (13):

Error code	Cause	Remedy
F0	Leaking cooling agent	Disconnect the device from the mains for approx. 30 min. Should the error still be displayed after the restart, please contact the customer service.
	System blocked	
F1	Defective room temperature sensor	Please contact the customer service.
F2	Defective temperature sensor of evaporator	
F4	Defective exhaust air temperature sensor	
H3	Tripped overload protection of compressor	Check whether the ambient conditions are outside the range specified in the technical data. Wait until temperature and humidity level are back within the operating range before switching the device back on. Check whether air inlet and outlet are obstructed by any objects and remove these before switching the device back on. Should the error still be displayed, please contact the customer service.
E8	Malfunction due to overload	
H8	Condensation tank full	Discharge condensate (manual draining) according to the Maintenance chapter.

Maintenance

Maintenance intervals

Maintenance and care interval	before every start-up	as needed	at least every 2 weeks	at least every 4 weeks	at least every 6 months	at least annually
Empty condensation tank and drain hose		X				
Check the air inlets and outlets for dirt and foreign objects and clean if necessary	X			X		
Clean the exterior		X				X
Visually check the inside of the device for dirt		X				X
Check the air filter for dirt and foreign objects and clean or replace if necessary	X		X			
Replace air filter					X	
Check for damage	X					
Check the attachment screws		X				X
Test run						X

Maintenance and care log

Device type: .....

Device number: .....

Maintenance and care interval	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Empty condensation tank and drain hose																
Check the air inlets and outlets for dirt and foreign objects and clean if necessary																
Clean the exterior																
Visually check the inside of the device for dirt																
Check the air filter for dirt and foreign objects and clean or replace if necessary																
Replace air filter																
Check for damage																
Check the attachment screws																
Test run																
Remarks:																

1. Date: ..... Signature:	2. Date: ..... Signature:	3. Date: ..... Signature:	4. Date: ..... Signature: .....
5. Date: ..... Signature:	6. Date: ..... Signature:	7. Date: ..... Signature:	8. Date: ..... Signature: .....
9. Date: ..... Signature:	10. Date: ..... Signature:	11. Date: ..... Signature:	12. Date: ..... Signature: .....
13. Date: ..... Signature:	14. Date: ..... Signature:	15. Date: ..... Signature:	16. Date: ..... Signature: .....

Activities required before starting maintenance

Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch off the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.

Warning of electrical voltage

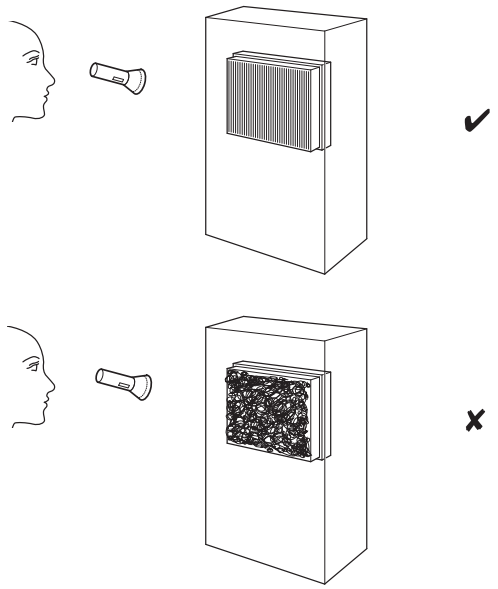
Tasks which require the housing to be opened must only be carried out by authorised specialist companies or by Trotec.

Cleaning the housing

Clean the device with a soft, damp and lint-free cloth. Ensure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

Visual inspection of the inside of the device for dirt

1. Remove the air filter.
2. Use a torch to illuminate the openings of the device.
3. Check the inside of the device for dirt.
4. If you see a thick layer of dust, have the inside of the device cleaned by a specialist company for cooling and air-conditioning or by Trotec.
5. Put the air filter back in.

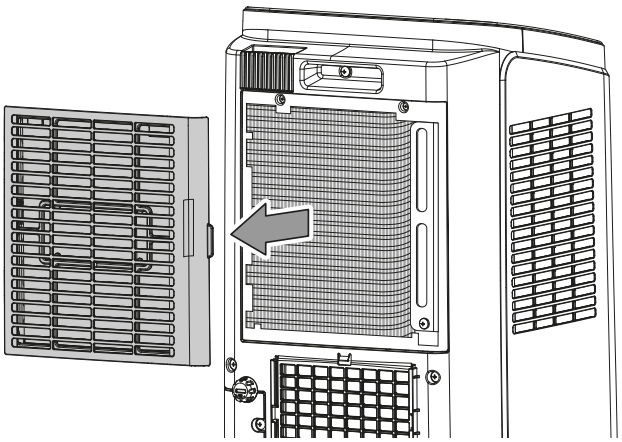


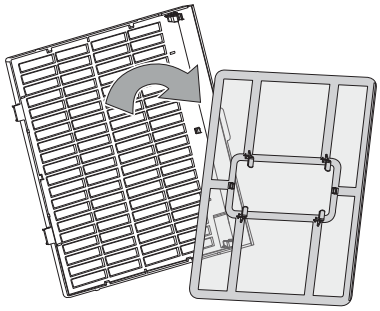
Cleaning the air filter

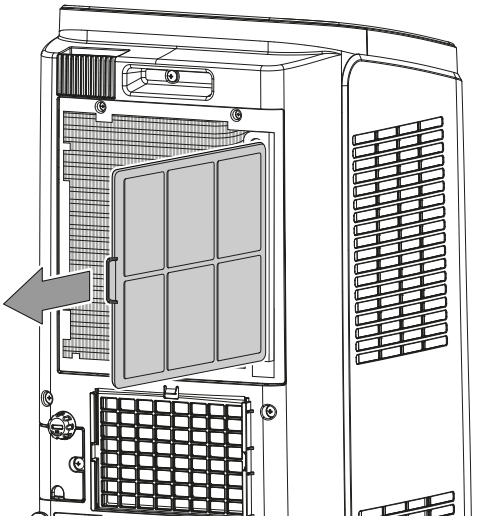
The air filters have to be cleaned as soon as they are dirty. This is brought to light e.g. by a reduced capacity (see chapter Errors and faults).

Warning
Ensure that the air filters are neither worn nor damaged. The corners and edges of the air filters must not be deformed or rounded. Before reinserting the air filters, make sure that they are undamaged and dry!

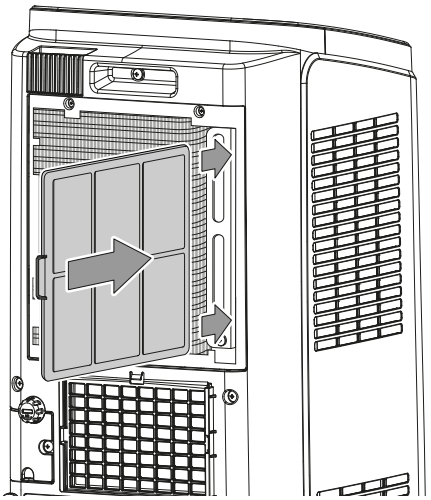
1. Remove the air filters from the device.

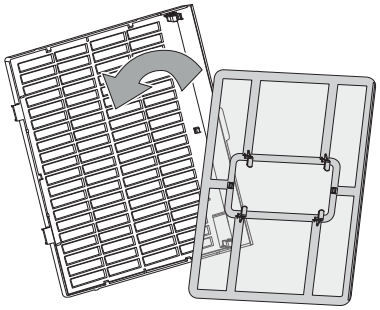


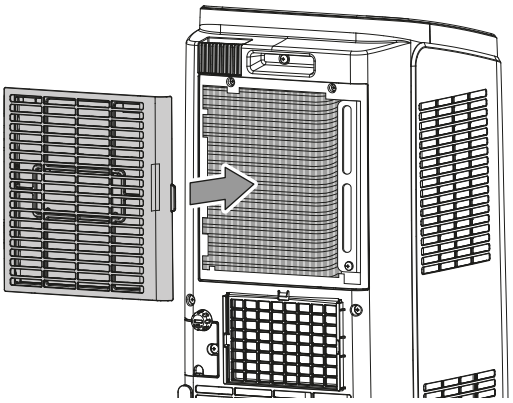




2. Clean the filters using a slightly damp, soft, lint-free cloth. If the filters are heavily contaminated, clean them with warm water mixed with a neutral cleaning agent.
3. Allow the filters to dry completely. Do not put any wet filters into the device!
4. Reinsert the air filters into the device.







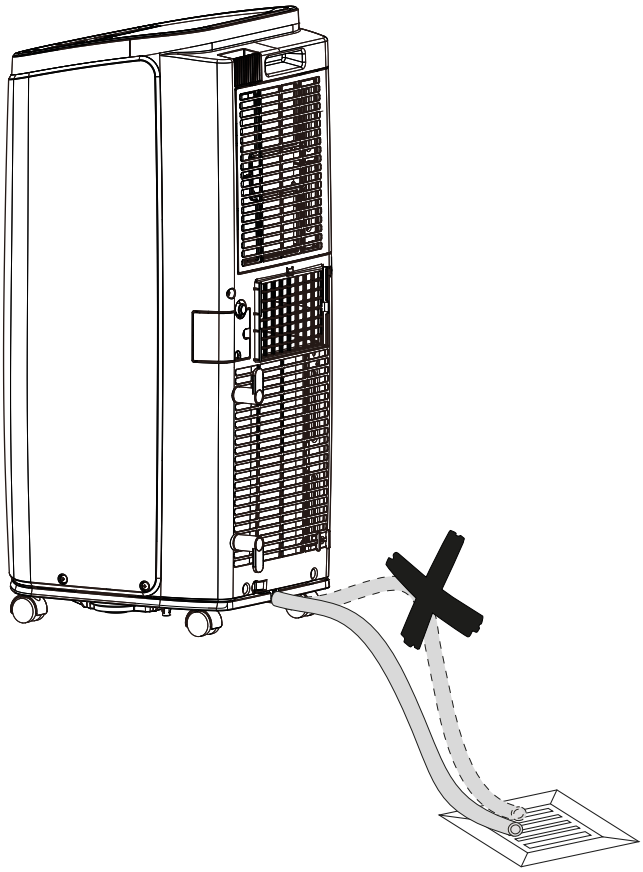
Condensate discharge (manual draining)

In *cooling* and *dehumidification* mode condensate is formed, which is mostly discharged via the exhaust air.

The remaining condensate is collected in a container within the housing. The condensate ought to be drained regularly.

If too much condensate accumulates, the device switches off and indicates this via the *H8* indication on the segment display (13).

1. Carefully transport or wheel the device to a suitable location for discharging the condensate (e.g. a drain) or position a suitable collection container underneath the lower condensate outlet.
2. Remove the rubber stopper from the condensation drain hose.
3. Detach the condensation drain hose from the retaining clip and guide the hose to a drain or collection container. To ensure that the condensate can run off, the hose must not be kinked, nor should it have to overcome an uphill incline towards the drain.



4. Let the condensate run, until the condensation drain hose is completely drained.
5. Reattach the rubber stopper to the condensation drain hose and put the hose back into the retaining clip. Ensure the tight fit of the rubber stopper, for otherwise there might be uncontrolled water leakage.
   ⇨ The *H8* error code on the segment display (13) will disappear as soon as the condensate has been drained.

Refrigerant circuit

- The entire refrigerant circuit is a maintenance-free, hermetically sealed system and may only be maintained or repaired by specialist companies for cooling and air-conditioning or by Trotec.

Activities required after maintenance

If you want to continue using the device:

- Leave the device to rest for 12 - 24 hours, so the refrigerant can accumulate within the compressor. Wait 12 - 24 hours before switching the device back on! Acting contrary might lead to compressor damage and a malfunctioning device. If so, any warranty claims will be voided.
- Reconnect the device to the mains.

If you do not intend to use the device for a considerable time:

- Store the device according to the Storage chapter.

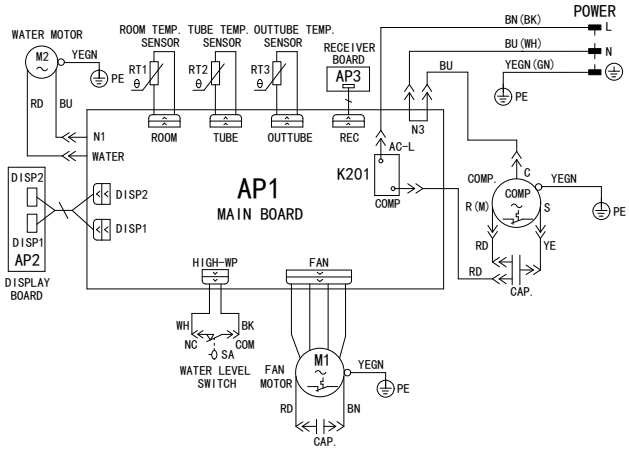
Technical annex

Technical data

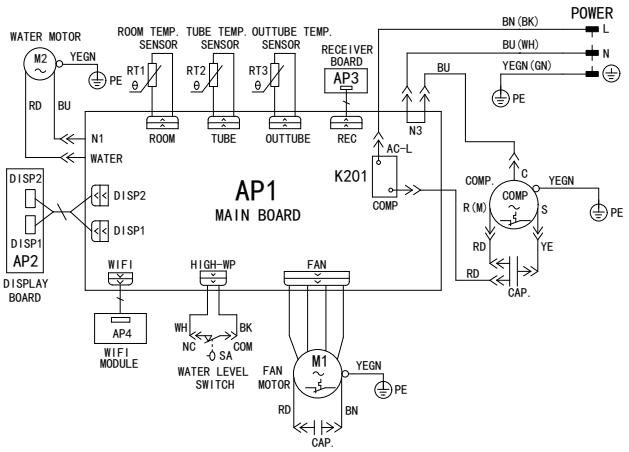
Model	PAC 2010 E	PAC 2610 E
Cooling capacity	2.1 kW	2.6 kW
Dehumidification performance	1.0 l/h	1.4 l/h
Operating temperature	16 to 35 °C	16 to 35 °C
Temperature setting range	16 to 30 °C	16 to 30 °C
Max. air volume flow	320 m^3/h	330 m^3/h
Mains connection	1/N/PE~ 220 V – 240 V / 50 Hz	1/N/PE~ 220 V – 240 V / 50 Hz
Nominal current	4.2 A	5.3 A
Power input (cooling operation)	0.8 kW	1.0 kW
Sound pressure level	51 dB(A)	53 dB(A)
Refrigerant	R410A	R32
Amount of refrigerant	410 g	350 g
GWP factor	2088	675
CO_2 equivalent	0.86 t	0.24 t
Dimensions (length x width x height)	370 x 380 x 770 (mm)	370 x 380 x 770 (mm)
Minimum distance to walls and other objects: top (A): rear (B): sides (C): front (D):	 30 cm 30 cm 30 cm 30 cm	 30 cm 30 cm 30 cm 30 cm
Weight	24.0 kg	27.5 kg

Wiring diagram

PAC 2010 E



PAC 2610 E

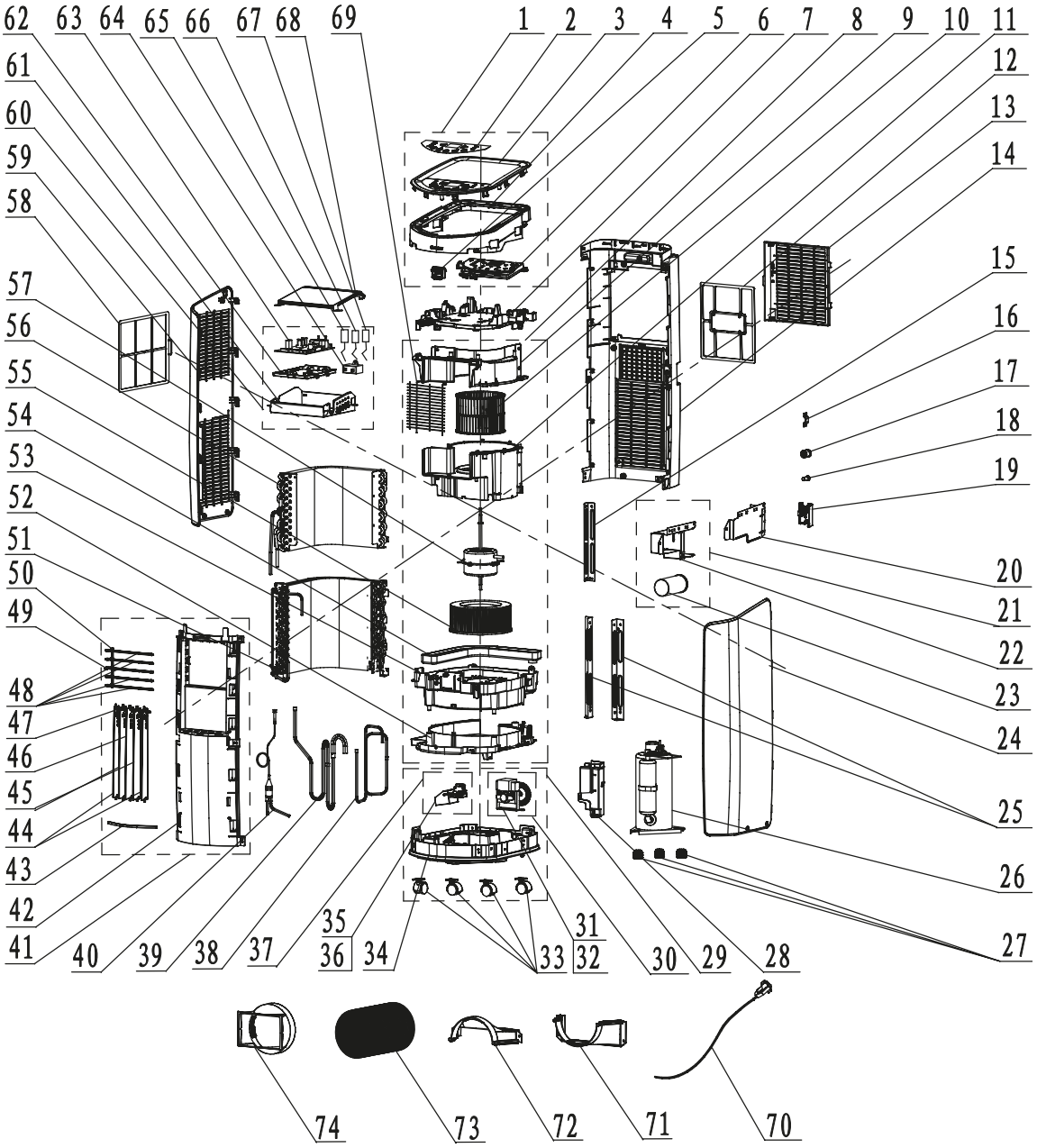


Spare parts drawing and list

PAC 2010 E / PAC 2610 E

Note!

The position numbers of the spare parts differ from those describing the positions of other parts mentioned in this operating manual.



No.	Spare part	No.	Spare part	No.	Spare part
1	Top Cover Assy	26	Compressor and Fittings	51	Condenser Assy
2	Membrane	27	Compressor Gasket	52	Diversion Circle
3	Coping	28	Water Retaining Box	53	Motor Holder
4	fixed support (top cover)	29	Chassis Assy	54	Foam (Water Tray)
5	Display Board	30	Motor Sub-assy(Flutter)	55	Centrifugal Fan
6	Display Board	31	Splash Water Flywheel	56	Evaporator Assy
7	Cover of Propeller Housing	32	Fan Motor	57	Fan Motor
8	Air Flue Assy	33	Castor	58	Filter Sub-assy 2
9	Propeller Housing(Upper)	34	Chassis Sub-assy	59	Left Side Plate
10	Centrifugal Fan	35	Water Level Switch	60	Electric Box Assy
11	Propeller Housing(Lower)	36	water Level Switch Base	61	Electric Box Sub-Assy
12	Filter Sub-assy 1	37	Water Level Switch Sub-assy	62	fixed support (mainboard)
13	Front Grill	38	Discharge Tube Sub-assy	63	Main Board
14	Rear Plate	39	Inhalation Tube Sub-assy	64	Capacitor CBB61S
15	Supporting Board 3	40	Capillary Sub-assy	65	Temperature Sensor
16	Wire Clamp	41	Front Panel Assy	66	Temperature Sensor
17	Cover of drainage hole	42	Front Panel	67	Tube sensor
18	Rubber Plug	43	Decorative Strip	68	Electric Box Cover
19	Cable Cross Plate	44	Air Louver 3	69	Rear Grill
20	Capacitor Box Sub-Assy	45	Air Louver 2	70	Power Cord
21	Capacitor Box Assy	46	Air Louver 1	71	Rear Clip (lower)
22	Capacitor Box	47	Swing Lever	72	Rear Clip (upper)
23	Capacitor CBB65	48	Guide Louver 2	73	Pipe
24	Right Side Plate	49	Guide Louver 1	74	Joint
25	Supporting Board 1	50	Guide Blade Lever		

Disposal

The icon with the crossed-out waste bin on waste electrical or electronic equipment stipulates that this equipment must not be disposed of with the household waste at the end of its life. You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration. For further return options provided by us please refer to our website www.trotec24.com.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.

You are responsible for deleting any personal data stored on the waste equipment to be disposed of.

The device is operated with fluorinated greenhouse gas which can be dangerous for the environment and contribute to global warming when emitted to the atmosphere.

Further information is provided on the nameplate.

Dispose of the refrigerant appropriately and according to the national regulations.

In the European Union, batteries and accumulators must not be treated as domestic waste, but must be disposed of professionally in accordance with Directive 2006/66/EC of the European Parliament and of the Council of 6 September 2006 on batteries and accumulators. Please dispose of batteries and accumulators according to the relevant legal requirements.

Trotec GmbH & Co. KG

Grebbener Str. 7
D-52525 Heinsberg
+49 2452 962-400
+49 2452 962-200

info@trotec.com
www.trotec.com