PAC 2016 E

EN

INSTRUCTIONS
LOCAL AIR CONDITIONER

TROTEC

TRT-BA-PAC2016E-TC26TRT10020-HS-003-EN

Table of contents

Information on the use of these instructions 2

Safety 2

Information about the device 5

Transport and storage 6

Assembly and start-up 7

Operation 11

Errors and faults 16

Maintenance 17

Technical annex 20

Disposal 24

Simplified EU Declaration of Conformity 24

Information on the use of these instructions

Symbols

Danger
This symbol indicates dangers to the life and health of persons due to extremely flammable gas.

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

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

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 instructions must be observed.

You can download the current version of these instructions via the following link:

PAC 2016 E

https://hub.trotec.com/?id=47712

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 done by children without supervision.

- Do not use the device in potentially explosive rooms or areas and do not install it there.
- Do not use the device in an aggressive atmosphere.
- Place the device in an upright and stable position on a horizontal and stable surface.
- 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 the device during operation.
- Do not sit on the device.
- This appliance is not a toy. Keep away from children and animals.
- 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 mains connection must correspond to the specifications in the Technical annex.
- Insert the mains plug into a properly fused 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 a special cord or assembly available from the manufacturer or its service agent.
  Defective power cables pose a serious health risk!
- When positioning the device, observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical annex.
- Make sure that the air inlet and outlet are not obstructed.
- Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.
- Make sure that the suction side is kept free of dirt and loose objects.
- Only transport the device in an upright position with an emptied condensation tray or drain hose.
- Discharge the collected condensate before transport and storage. Do not drink it. Health hazard!
- Use batteries of type AAA.
- Do not insert rechargeable batteries into the remote control.
- Never charge batteries that cannot be recharged.
- Different types of batteries and new and used batteries must not be used together.
- Insert the batteries into the battery compartment according to the correct polarity.
- Remove discharged batteries. Batteries contain materials hazardous to the environment. Dispose of the batteries according to the national regulations.
- Remove the batteries from the remote control if you will not be using the device for a longer period of time.
- Never short-circuit the terminals of batteries!
- Do not swallow batteries! If a battery is swallowed, it can cause severe internal burns within 2 hours! These burns can lead to death!
- If you think batteries might have been swallowed or otherwise entered the body, seek medical attention immediately!
- Keep new and used batteries and an open battery compartment away from children.
- If the battery compartment does not close securely, stop using the product via the remote control.

Safety warnings for devices containing flammable refrigerants

Warning
Do not drill into or burn.

Warning
Do not use any means other than those recommended by the manufacturer for accelerating the defrosting process or cleaning the device.

Warning
Every person working with or at the refrigerant circuit must be able to provide a certificate of qualification issued by a body accredited by the industry, demonstrating their competence in the safe use of refrigerants based on a procedure well-known in the industry.

- Do not store the device together with ignition sources in rooms without ventilation.
- Store the appliance in a room without continuously operating open flames (for example an operating gas appliance) or other potential ignition sources (for example an operating electric heater, hot surfaces);
- Please note that the refrigerant is odourless.
- Only install the device in compliance with the national installation regulations.
- Please observe the local regulations.
- Observe the national regulations for gas installations.
- Only install, operate and store the device in a room measuring more than 6 m^2.
- Store the device in a way that no mechanical damage can occur.
- R290 is a refrigerant that complies with European environmental regulations. No part of the cooling circuit may be perforated.
- Observe the maximum refrigerant capacity in the technical data.

- Service work may only be carried out in accordance with the manufacturer's specifications. If maintenance and repair work require the support of additional persons, the person trained in handling flammable refrigerants shall continuously supervise the work carried out.
- 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 the manufacturer.

Intended use

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

Any use other than the intended use is regarded as misuse.

Reasonably foreseeable misuse

- Do not place the device on wet or flooded ground.
- Do not place any objects, e.g. clothing, on the device.
- Do not use outdoors.
- Never immerse the device in water.
- Do not make any unauthorised modifications, alterations or structural changes to the device.
- Do not use the device in the immediate vicinity of swimming pools, bathtubs and showers.

Personnel qualification

People who use this device must:

- have read and understood the instructions, especially the Safety chapter.

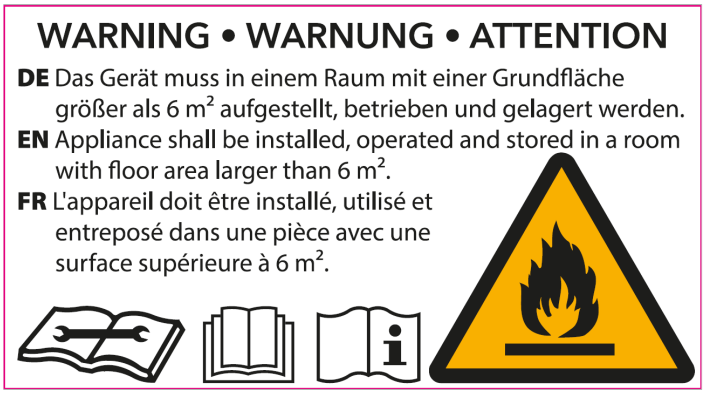
Maintenance tasks which require the housing to be opened must only be carried out by specialist companies for cooling and air-conditioning or by the manufacturer.

Safety signs and labels on the device

Notice

Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.

The following safety signs and labels are attached to the device:



Follow the manual

This symbol indicates that the instructions must be observed.

Follow the repair manual

Disposal, maintenance and repair work of the refrigerant circuit may only be carried out in accordance with the manufacturer's specifications and by persons having a certificate of qualification.
A corresponding repair manual is available from the manufacturer upon request.



Residual risks



Danger

Natural refrigerant propane (R290)!

H220 – Extremely flammable gas.
H280 – Contains gas under pressure; may explode if heated.
P377 – Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P410+P403 – Protect from sunlight. Store in a well-ventilated place.



Warning of electrical voltage

Risk of electric shock!
Risk of an electric shock if the device comes into contact with water!
Do not use this device in the immediate vicinity of bathtubs, showers or swimming pools!



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!
Do not touch the mains plug with wet or damp hands.
Hold onto the mains plug while pulling the power cable out of the mains socket.

Notice

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

Behaviour in the event of an emergency

1. Switch the device off.
2. Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.
3. 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 device 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 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.

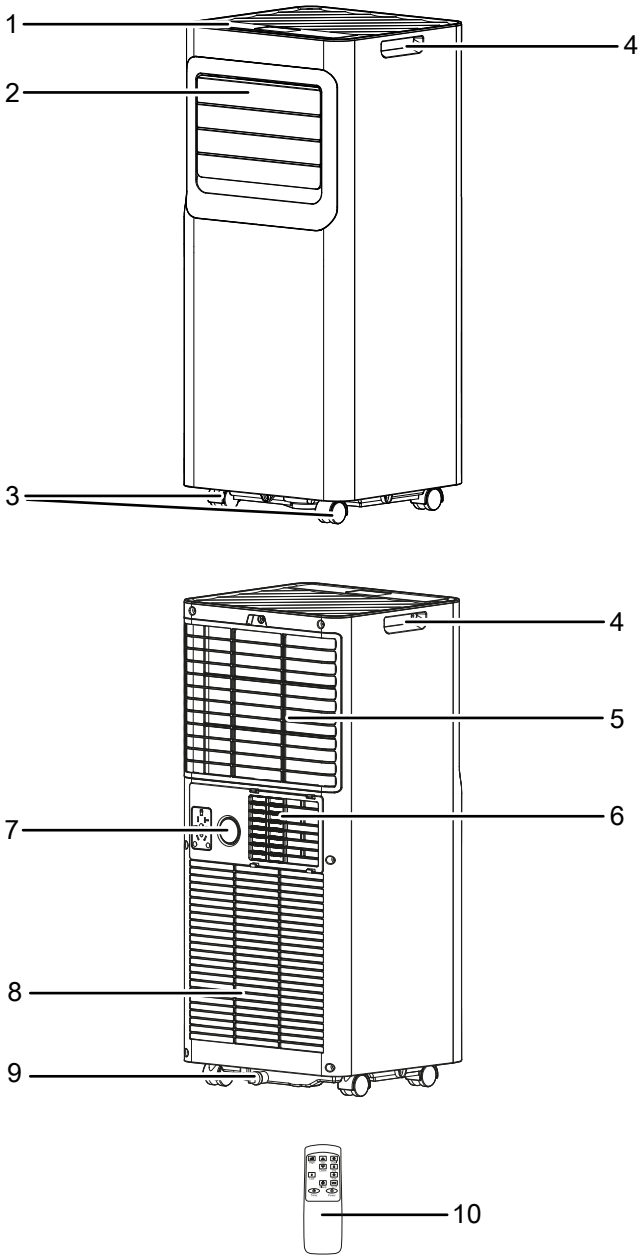
Operation of the device is possible either via the control panel at the device or via the supplied infrared remote control.

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.

The device is protected against vertically dripping water (IPX1).

Device depiction



No.	Designation
1	Control panel
2	Air outlet with manually adjustable ventilation flaps
3	Wheels
4	Handle
5	Air inlet with air filter
6	Exhaust air hose connection
7	Hose connection with rubber stopper
8	Air inlet
9	Condensate outlet with rubber stopper
10	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

Please note that additional transport regulations might apply to devices containing flammable refrigerants. The equipment's arrangement and the maximum number of components to be transported together can be gathered from the applicable transport regulations.

To make the device easier to transport, it is fitted with wheels.

To make the device easier to transport, it is fitted with a handle.

Before transporting the device, observe the following:

- Switch the device off.
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.
- Drain the remaining condensate from the device.
- Do not use the power cable to drag the device.
- Only wheel the device on firm and level surfaces.

After transporting the device, proceed as follows:

- Set up the device in an upright position after transport.
- Leave the device to rest for at least 12 hours, so the refrigerant can accumulate within the compressor. Wait 12 hours before switching the device back on! Acting contrary might lead to compressor damage and a malfunctioning device.

Storage

Before storing the device, observe the following:

- Drain the remaining condensate from the device.
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.

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

- Only store the device in a room measuring more than 6 m^2.
- Store the appliance in a room without continuously operating open flames (for example an operating gas appliance) or other potential ignition sources (for example an operating electric heater, hot surfaces);
- Store the device in a dry location and protected from frost and heat.
- Store the device in an upright position where it is protected from dust and direct sunlight.
- If required, use a cover to protect the device from invasive dust.
- Place no further devices or objects on top of the device to prevent it from being damaged.
- Remove the batteries from the remote control.

Assembly and start-up

Scope of delivery

- 1 x Device
- 1 x Exhaust air hose
- 1 x Hose adapter
- 1 x Hose connector
- 1 x Condensation drain hose
- 1 x Window shade
- 1 x Fixing set for window shade
- 1 x Remote control (without batteries)
- 1 x Manual

Unpacking the device

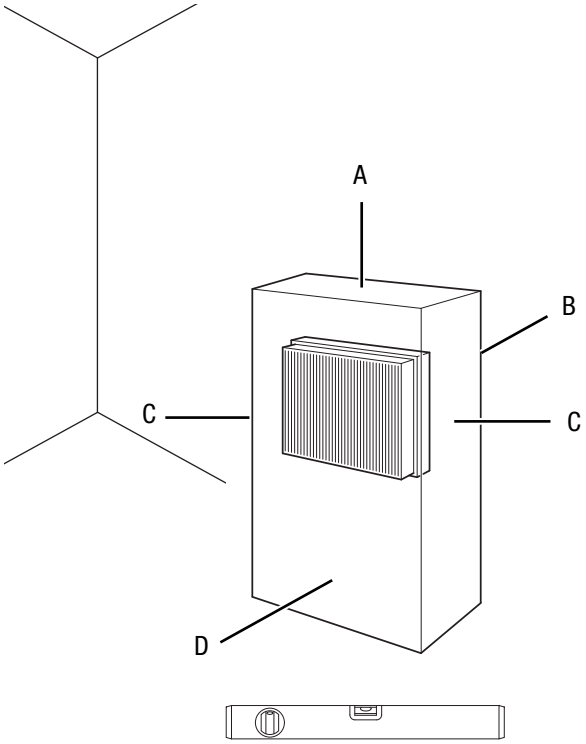
Warning

There is a danger of suffocation for children due to packaging material! Keep packaging films and parts away from children. There is a risk of death due to suffocation.

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.

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.
- Only position the device in rooms where potentially leaking refrigerant cannot accumulate.
- Place the device in an upright and stable position on a horizontal and stable surface.
- 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.

Inserting batteries into the remote control

Notice

Do not use rechargeable batteries! Observe the Technical data for start-up.

Please proceed as follows to insert or exchange the batteries:

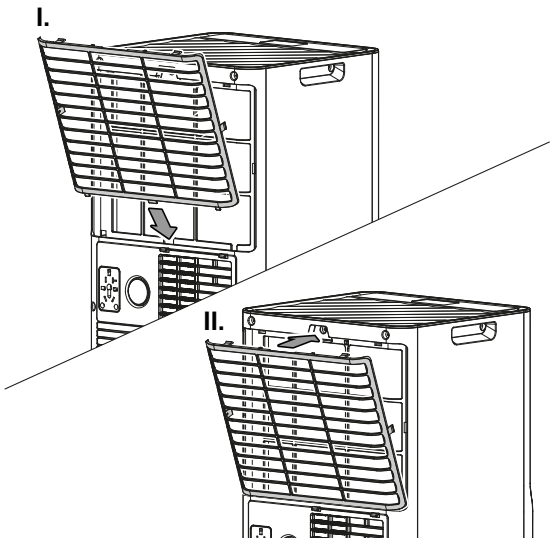
1. Remove the battery cover from the rear of the remote control.
2. Insert two AAA batteries into the battery compartment adhering to the correct polarity.
3. Slide the battery cover back onto the remote control.

Inserting the air filter

Notice

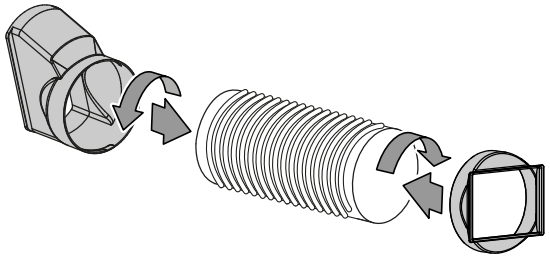
Do not operate the device without the air filters inserted! Without the air filter, the inside of the device will be heavily contaminated. This could reduce the performance and result in damage to the device.

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

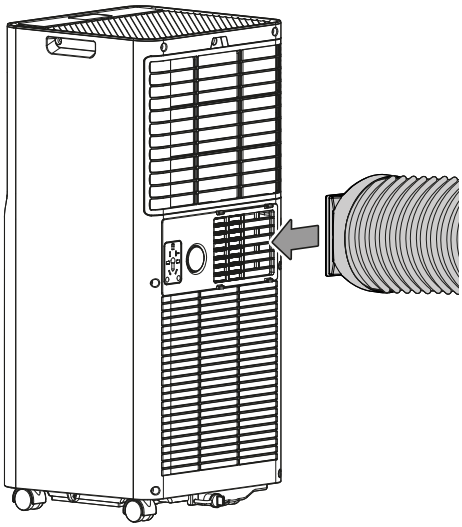


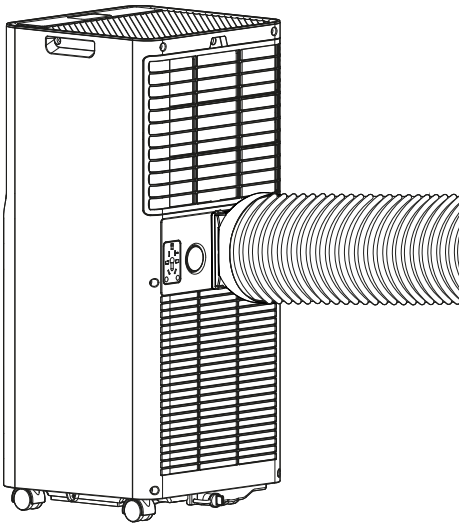
Connecting the exhaust air hose

1. Connect the hose adapter and the hose connector to one end of the exhaust air hose each.



2. Connect the suitable end of the exhaust air hose to the exhaust air hose connection (6) located at the device.



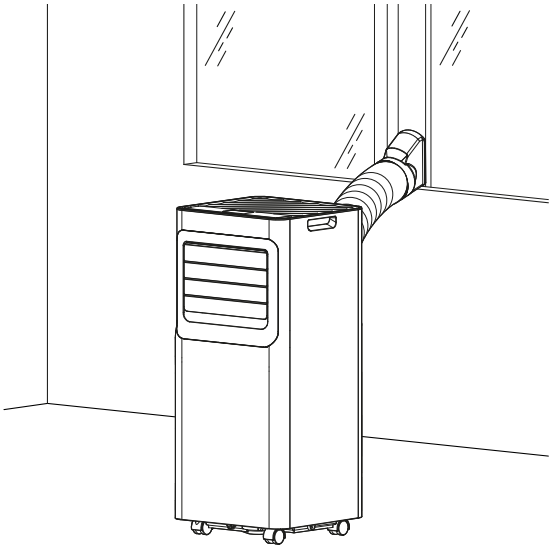


Discharging exhaust air

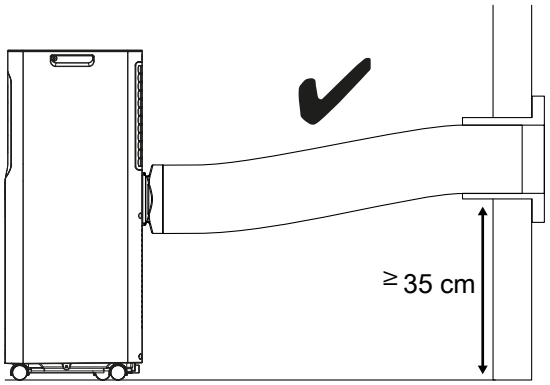
- The exhaust air coming from the device contains waste heat from the room to be cooled. For this reason it is recommended to discharge the exhaust air to the outside.
- The end of the exhaust air hose can be fed through the open window. If required, secure the open window with the corresponding means, 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.

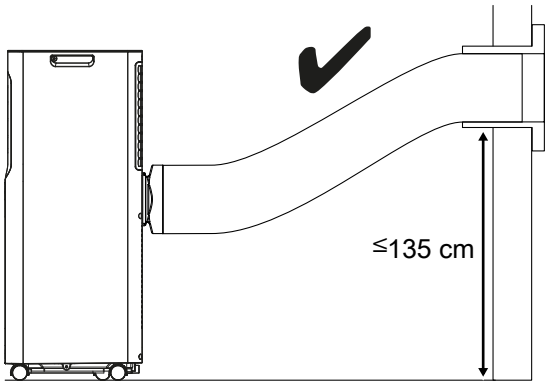
  For this purpose, we recommend using a window seal (optional).
- Install the exhaust air hose inclined with the air direction.
- The connected hose must not contain any source of ignition.

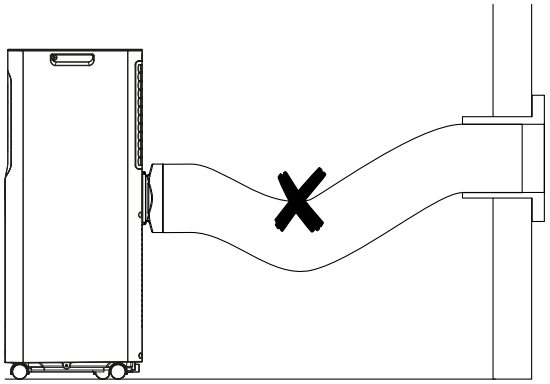
Example with exhaust air hose:

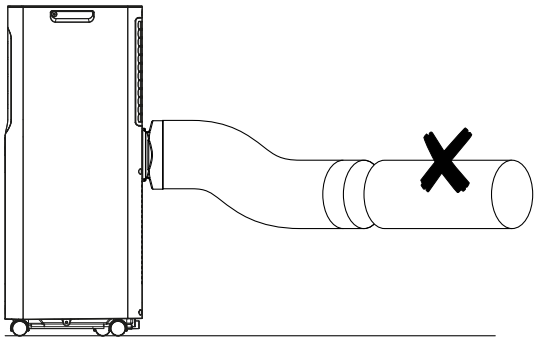


For installing the exhaust air hose please observe the following:





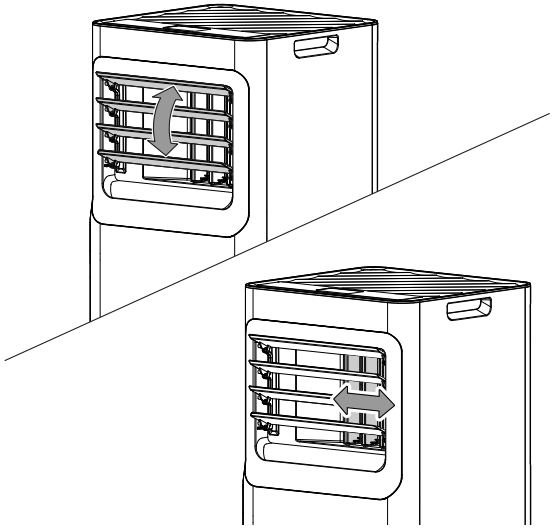




- Avoid kinks in the exhaust air hose. Kinks and bends would lead to an accumulation of emitted humid air causing the device to overheat and shut down.
- The dimensions of the exhaust air hose were especially made to fit the device. Do not replace or extend the hose. This could cause a malfunction of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

Opening the ventilation flaps

- Prior to switching the device on, open the horizontal ventilation flaps at the air outlet. Adjust the horizontal ventilation flaps and the vertical slats behind them to the desired position.



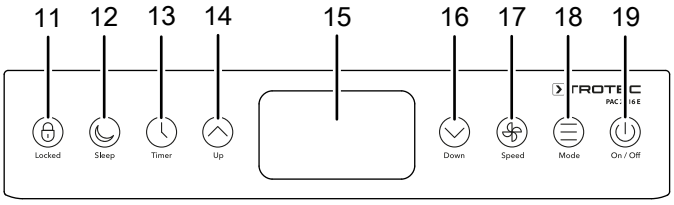
Connecting the power cable

- Connect the mains plug to a properly secured socket.

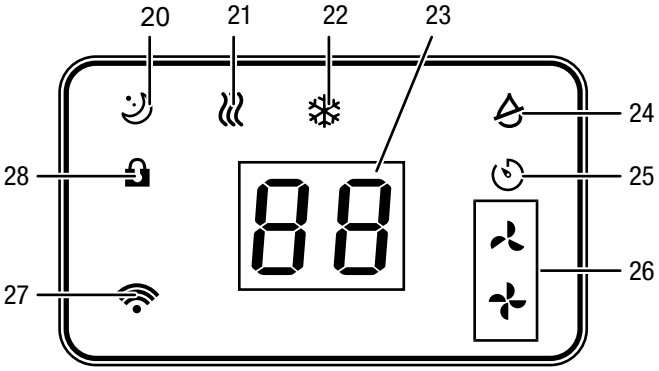
Operation

- Avoid open doors and windows.

Operating elements



Display



No.	Designation	Meaning
11	*Locked* button	Switching the locking function on or off
12	*Sleep* button	For switching *night mode* on or off
13	*Timer* button	Switching the timer functions on or off
14	*Up* button	Increasing the target temperature (16 °C to 32 °C) for cooling Increasing the number of hours (1 hour to 24 hours) when programming the timer
15	Display	Indication of different device functions
16	*Down* button	Reducing the target temperature (16 °C to 32 °C) for cooling Reducing the number of hours (1 hour to 24 hours) when programming the timer
17	*Speed* button	Setting the fan speed
18	*Mode* button	Selecting the operating mode: = *Ventilation* = *Cooling* = *Dehumidification*
19	*On/Off* button	Switching the device on or activating standby mode
20	*Night mode* LED	Illuminated when night mode is activated

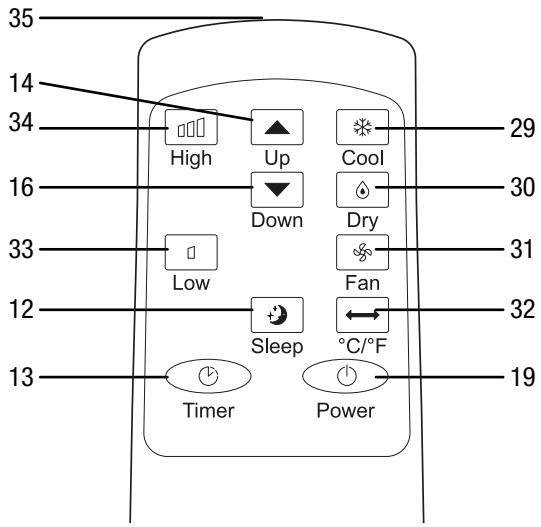
No.	Designation	Meaning
21	*Ventilation* LED	Illuminated when *ventilation* mode is activated
22	*Cooling* LED	Illuminated when *cooling* mode is activated
23	Segment display	Indication of the current room temperature Indication of the target temperature in *cooling* and night mode Indication of the set number of hours during timer programming Indication of the error code, see chapter Errors and faults
24	*Dehumidification* LED	Illuminated when *dehumidification* mode is activated
25	*Timer* LED	Illuminated when the timer is activated
26	*Fan speed* LEDs	= low fan speed = high fan speed
27	*WiFi* LED	Illuminated when WiFi is activated
28	*Key lock* LED	Illuminated when the key lock is activated

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 *Power* button (19) on the remote control. The device automatically uses the current settings entered via the remote control.



No.	Designation	Meaning
12	*Sleep* button	Switching *night mode* on or off
13	*Timer* button	Switching the timer function on or off
14	*Up* button	Increasing the target temperature (16 °C to 32 °C) for cooling Increasing the number of hours (1 hour to 24 hours) when programming the timer
16	*Down* button	Reducing the target temperature (16 °C to 32 °C) for cooling Reducing the number of hours (1 hour to 24 hours) when programming the timer
19	*Power* button	Switching the device on or activating standby mode
29	*Cool* button	Switching *cooling* mode on or off
30	*Dry* button	Switching *dehumidification* mode on or off
31	*Fan* button	Switching *ventilation* mode on or off
32	*°C/°F* button	Changing the temperature unit between °C and °F
33	*Low button*	Setting a low fan speed
34	*High button*	Setting a high fan speed
35	Remote control transmitter/receiver	Communication between device and remote control

Warning of electrical voltage

Risk of electric shock!

The device is only protected against vertically dripping water (IPX1).

It is not protected against spray water, splash water or water jets.

Do not use the device in areas where water can enter the device. Never immerse the device in water.

Info

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

Switching the device on

1. Once you have completely installed the device as described in the Start-up chapter, you can switch it on.
2. Press the *On/Off* button (19).
   - ⇨ The device starts in *ventilation* mode.
   - ⇨ The *Ventilation* LED is illuminated.
   - ⇨ The *Fan speed* LED is illuminated.
3. Select the desired operating mode.

Setting the operating mode

The device has the following operating modes:

- Cooling
- Dehumidification
- Ventilation

Cooling

In *cooling* mode the room will be cooled down to the desired target temperature.

1. Press the *Mode* button (18) on the control panel until the *Cooling* LED (22) is illuminated, or press the *Cool* button (29) on the remote control.
   ⇨ *Cooling* mode is selected.
2. Repeatedly press the *Up* (14) or *Down* (16) button to select the desired target temperature. The temperature can be adjusted in increments of 1 °C in a range between 16 °C and 32 °C.
   ⇨ The segment display (23) briefly indicates the desired target temperature, then the current room temperature appears.
   ⇨ If the room temperature is lower than the set temperature, cooling operation is switched off.
3. Press the *Speed* button (17) on the control panel or the *Low* (33) or *High* (34) button on the remote control to set the desired fan speed.
   ⇨ The *Fan speed* LED (26) for the desired fan stage will be illuminated.
4. Adjust the ventilation flaps on the air outlet (2) by hand to align the air current.

Dehumidification

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

Info

During *dehumidification* mode, the exhaust air hose must be connected so that the condensate can escape from the room to be dehumidified.

1. Press the *Mode* button (18) on the control panel until the *Dehumidification* LED (24) is illuminated, or press the *Dry* button (30) on the remote control.
   ⇨ *Dehumidification* mode is selected.
   ⇨ The current room temperature is indicated on the segment display (23).
   ⇨ The ventilation runs at minimum speed. In *Dehumidification* mode, the fan stage cannot be changed.

Info

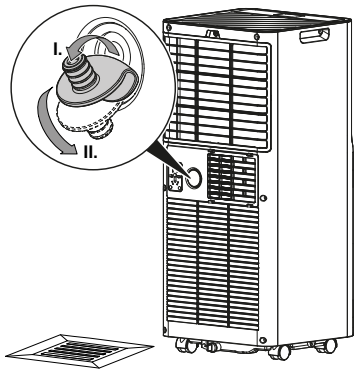
If the device is operated in a very humid environment, the accumulating condensate must be discharged at regular intervals (see Condensate discharge).

Connecting the condensation drain hose

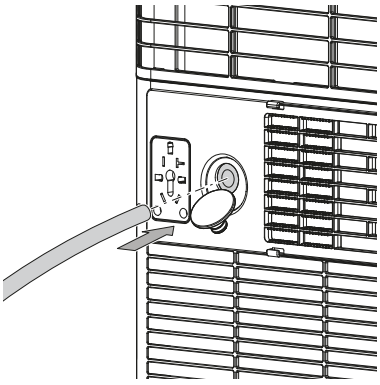
If you use the device for an extended period of time or you don't want to empty the tank all the time, you can connect a condensation drain hose to the hose connection.

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

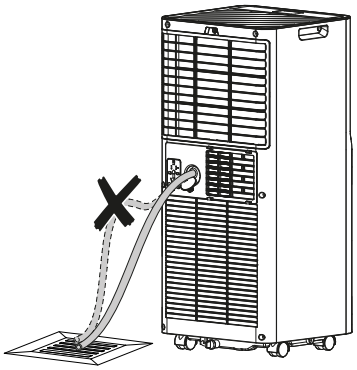
1. Carefully transport or wheel the device to a suitable location for discharging the condensate (e.g. a drain) or position a suitable collection container under the condensate outlet.
2. Remove the rubber stopper from the hose connection (7).



3. Connect the condensation drain hose to the hose connection (7).



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



Ventilation

Info
Remove the exhaust air hose during *Ventilation*.

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

1. Press the *Mode* button (18) on the control panel until the *Ventilation* LED (21) is illuminated, or press the *Fan* button (31) on the remote control.
   ⇨ *Ventilation* mode is selected.
   ⇨ The current room temperature is indicated on the segment display (23).
2. Press the *Speed* button (17) on the control panel or the *Low* (33) or *High* (34) button on the remote control to set the desired fan speed.
   ⇨ The *Fan speed* LED (26) for the selected fan stage will be illuminated.

Night mode

Night mode comes with the following settings:

- After 1 hour the preset temperature is increased by 1 °C. After another hour the preset temperature will again be increased by 1 °C.
- The fan speed is preset to the lowest stage and cannot be adjusted.

To activate night mode, please proceed as follows:

1. Select *cooling* mode.
2. Press the *Sleep* button (12).
   ⇨ The *Cooling* LED (22), *Fan speed* LED (26) and *Night mode* LED (20) are illuminated.
   ⇨ The display becomes darker.
3. In order to switch the night mode off, press the *Sleep* button (12) once again.
   ⇨ The *Night mode* LED (20) disappears.
   ⇨ The display becomes bright.
   ⇨ Cooling operation remains active.
   ⇨ The fan speed may switch over to the previously set fan speed.

Switching the locking function on and off (control panel only)

The locking function prevents the buttons on the control panel from being used. The function cannot be activated in standby mode.

Please proceed as follows to lock the control panel:

✓ The device is switched on.

1. Press the *Locked* button (11) for approx. 3 seconds.
   ⇨ The *Key lock* LED (28) is illuminated.
   ⇨ The locking function is activated.
   ⇨ The buttons on the control panel cannot be used. The remote control cannot send signals to the device.
2. Press the *Locked* button (11) for approx. 3 seconds to switch off the function.
   ⇨ The *Key lock* LED (28) disappears.
   ⇨ The buttons on the control panel can be used again.

Setting the timer

The timer function switches the device off after the set time has elapsed.

The number of hours of the timer can range from 1 to 24. The timer can be set in increments of 1 hour.

The function can be set in all operating modes.

✓ **Automatic switch-on**: The device is in standby mode.
✓ **Automatic switch-off**: The device is switched on.

1. Press the *Timer* button (13) until the *Timer* LED (25) is illuminated.
2. Repeatedly press the *Up* (14) or *Down* (16) button to select the desired number of hours until automatic switch-on or switch-off.
   ⇨ The number of hours will be indicated on the segment display (23) for approx. 6 seconds.
   ⇨ The timer setting equals the desired number of hours.
   ⇨ After the predefined time, the device switches itself on or off.
   ⇨ The *Timer* LED (25) is illuminated as long as the timer is active.
   ⇨ Setting the number of hours to 00 switches the timer function off.
   ⇨ Manually switching the device on/off disables the automatic switch-on/switch-off function.

Changing the unit °C / °F (remote control only)

The temperature in the segment display (23) can be indicated in °C or °F.

Please proceed as follows to change the temperature unit:

1. Press the *°C/°F* button (32).

⇨ The displayed temperature is converted to the other unit.

Memory function

After a power failure during operation the device will switch back on automatically. The settings selected for the operating mode are saved. Any activated timer will not be saved in the device.

The compressor may start up with a delay of 3 minutes, 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.

Operation with WiFi

Trotec Assistent App



All settings can also be made via the Trotec Assistant App. The settings of the timer functions that are operated via the app are not additionally displayed on the control panel of the device.

Install the Trotec Assistant App on the terminal device you want to use in combination with the device.

Info

Some of the app's functions require access to your location and an active Internet connection.

The app is available for download in the Google Play Store as well as in Apple's app store and via the following link:

https://hub.trotec.com/?id=45093

Activating WiFi

Proceed as follows to establish a WiFi connection:

✓ The device is in standby mode.

1. Download the Trotec Assistant App and open it on a smartphone.
2. Select *Add Device* by pressing the + sign in the top right corner.
3. Select *Large household appliances* and *Air conditioning (Wi-Fi)* among them.
4. Press the *Timer* button (13) on the control panel of the device for approx. 5 seconds.
   ⇨ The *WiFi* LED (27) flashes.
   ⇨ The device is in *Quick Connect* mode.
5. Follow the instructions of the app on the smartphone.
   ⇨ Once the *WiFi* LED (27) is permanently illuminated, the connection is established.

   Info

   If the WiFi connection is interrupted, the device may not automatically reconnect to the network. If this is the case, re-establish the connection with the *Speed* button (17).

Shutdown

- Switch the device to standby mode by pressing the *On/Off* button (19).
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.
- Empty the condensation tray if necessary.
- If necessary, remove the condensation drain hose and any residual fluid from it.
- If required, clean the device according to the "Maintenance" chapter.
- Store the device according to the Transport and 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.

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

The device does not start:

- Check the power connection.
- Check the power cable and mains plug for damage. If you notice damages, do not try to take the device back into operation.
  If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Check the on-site fusing.
- Observe the operating temperature according to the chapter Technical annex.
- The condensation tank may be full. Empty the condensation tank, if need be. The error code *Ft* must not be indicated on the segment display.
- If the device is not starting, have the electrics checked by a specialist company or by the manufacturer.

The device works with reduced or no cooling capacity:

- Check whether *cooling* mode is selected.
- Check the position of the ventilation flaps at the air outlet (2). The ventilation flaps at the air outlet (2) must be opened as far as possible.
- 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 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:

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

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

- Check the air inlet 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 the manufacturer.

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.

The 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 the manufacturer for repair.

Error codes

The following error messages can be displayed on the segment display (23):

Error code	Cause	Remedy
E0	PCB communication error	Disconnect the device briefly from the mains. Should the error still be displayed, please contact the customer service.
E1	Fault at temperature sensor	Disconnect the device briefly from the mains. Should the error still be displayed, please contact the customer service.
E2	Error at the sensor for the coil	Disconnect the device briefly from the mains. Should the error still be displayed, please contact the customer service.
Ft	Condensation tank full	Empty the condensation tank. Should the error still be displayed, please contact the customer service.

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
Check 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 the air filter					X	
Check for damage	X					
Check the attachment screws		X				X
Test run						X
Empty the condensation tray and drain hose		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
Check air inlets and outlets for dirt and foreign objects and clean if necessary																
Check 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																
Replace the air filter																
Check the attachment screws																
Test run																
Empty the condensation tray and drain hose																
Comments																

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 the device off.
- Disconnect the device from the mains by removing the mains plug from the socket. When doing so, be sure to hold the plug, not the cable.

Warning of electrical voltage
Tasks which require the device to be opened must only be carried out by authorised specialist companies or by the manufacturer.

Refrigerant circuit

Danger
Natural refrigerant propane (R290)!
H220 – Extremely flammable gas.
H280 – Contains gas under pressure; may explode if heated.
P377 – Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P410+P403 – Protect from sunlight. Store in a well-ventilated place.

- 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 the manufacturer.

Safety signs and labels on the device

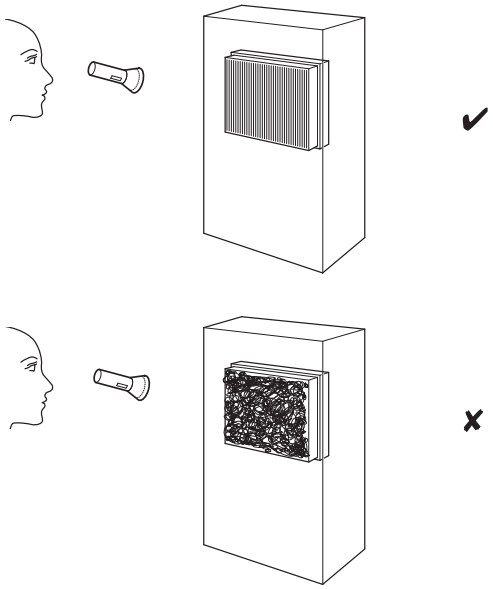
Check the safety signs and labels attached to the device at regular intervals. Replace illegible safety signs!

Cleaning the housing

Clean the housing with a soft, damp and lint-free cloth. Make sure 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 the manufacturer.
5. Put the air filter back in.

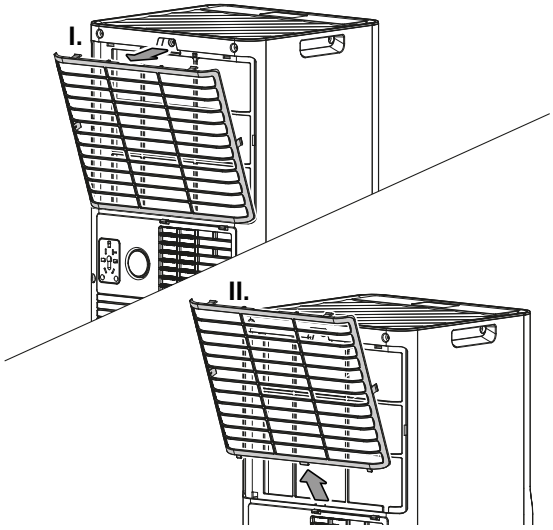


Cleaning the air filter

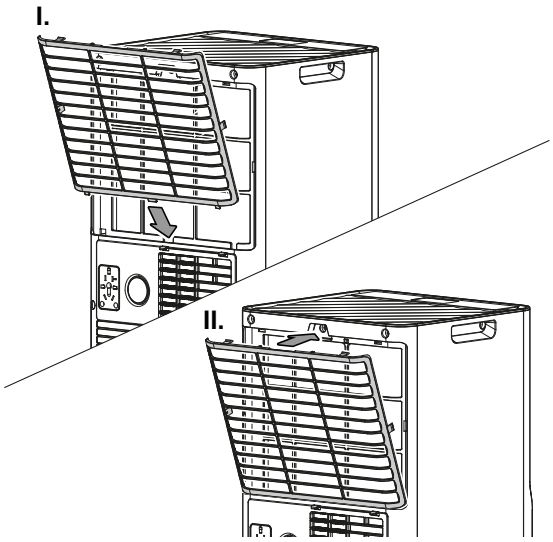
The air filter has to be cleaned as soon as it is dirty. This is brought to light e.g. by a reduced capacity (see chapter Errors and faults).

Warning
Ensure that the air filter is not worn or damaged. The corners and edges of the air filter must not be deformed or rounded. Before reinserting the air filter, make sure that it is undamaged and dry!

1. Remove the air filter from the device.



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



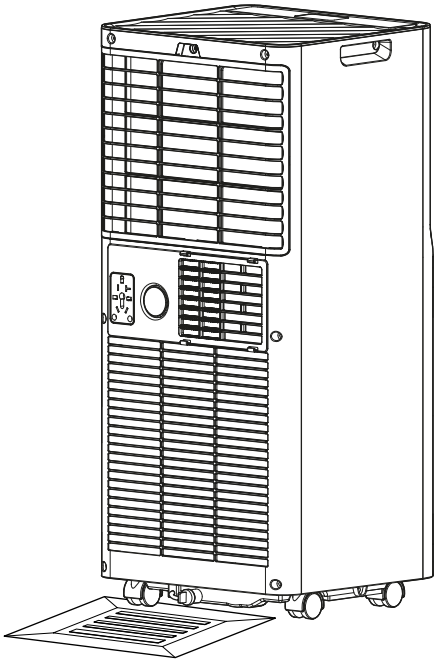
Condensate discharge (manual draining)

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

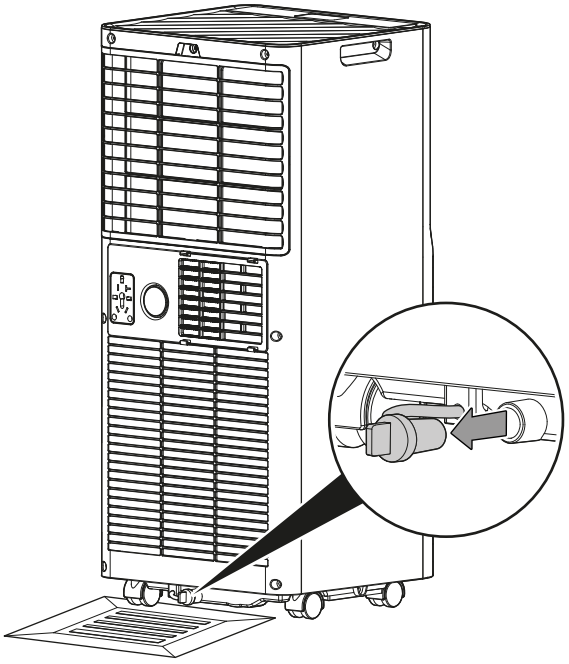
The remaining condensate is collected in a condensation tray within the housing. The condensate must be drained regularly.

If too much condensate accumulates, the device switches off and indicates this via the *Ft* error code on the segment display (23).

1. Check whether there is a drain at the installation site or provide a suitable collection container under the condensate outlet.

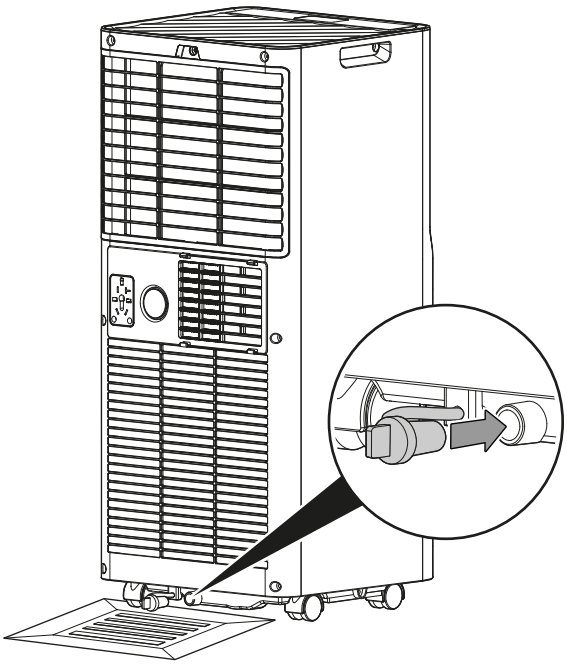


2. Remove the rubber stopper from the condensate outlet.



3. Drain the condensate.

4. Reattach the rubber stopper to the condensate outlet. Ensure the tight fit of the rubber stopper, for otherwise there might be uncontrolled water leakage.



⇨ The *Ft* error code on the segment display (23) will disappear as soon as the condensate has been drained.

Activities required after maintenance

If you want to continue using the device:

- Leave the device to rest for at least 12 hours, so the refrigerant can accumulate within the compressor. Wait 12 hours before switching the device back on! Acting contrary might lead to compressor damage and a malfunctioning device.
- Reconnect the device to the mains.

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

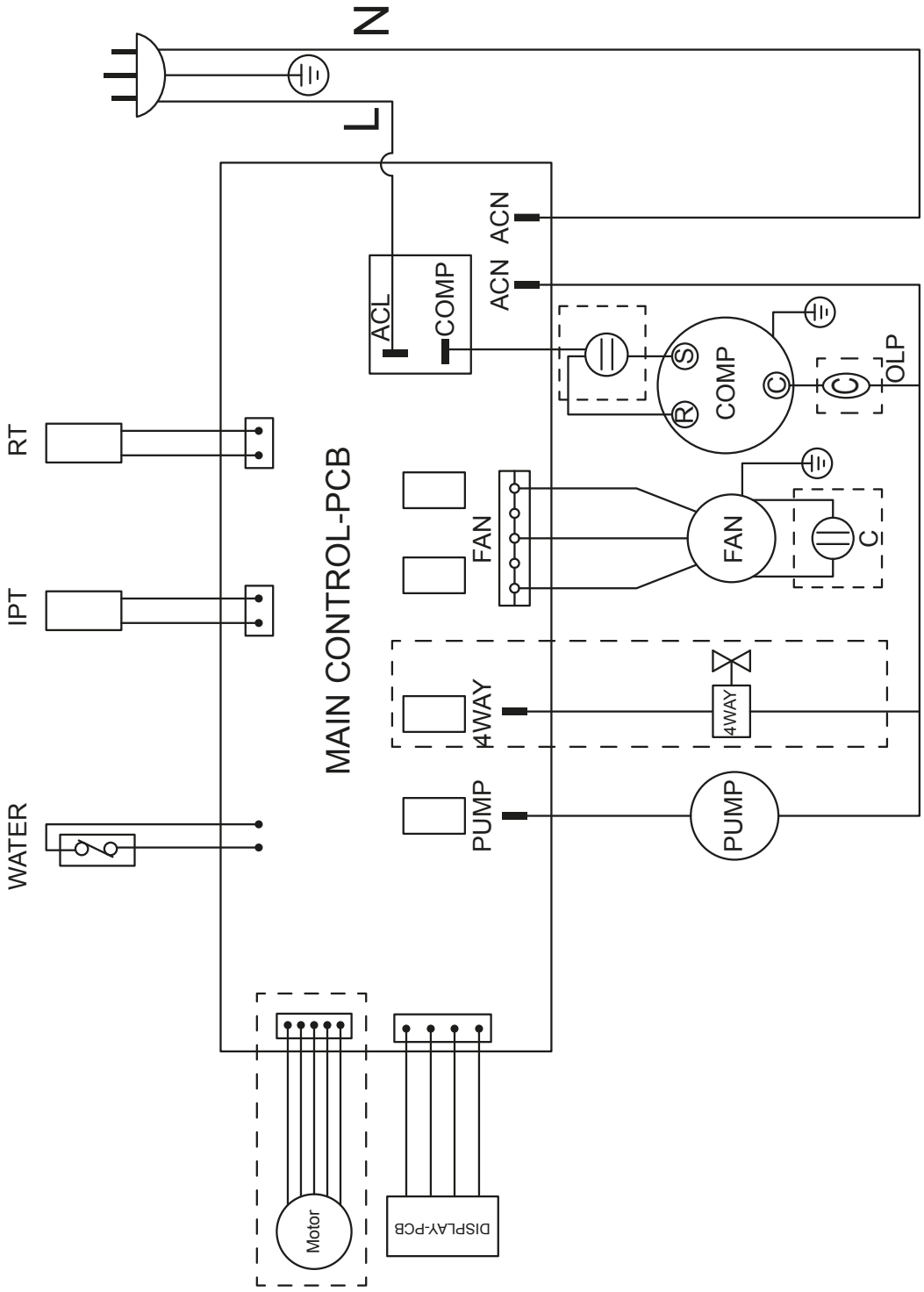
- Store the device according to the Transport and storage chapter.

Technical annex

Technical data

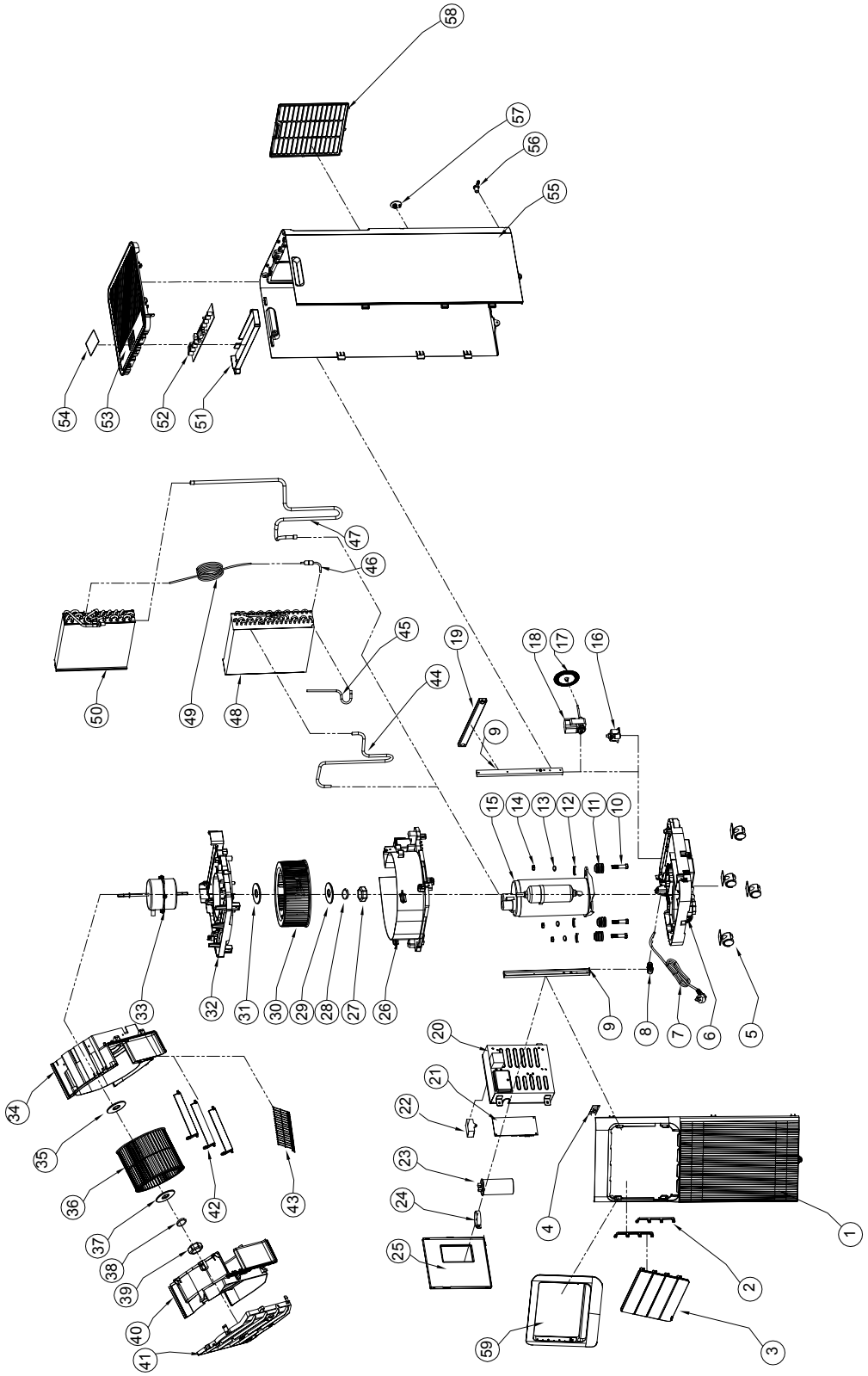
Model	**PAC 2016 E**
Max. cooling capacity	2.1 kW
Dehumidification performance	0.8 l/h
Operating temperature	3 °C to 35 °C
Temperature setting range	16 °C to 32 °C
Max. air volume flow	290 m^3/h
Mains connection	220 V – 240 V / 50 Hz
Nominal current	3.4 A
Fusing ⏤▭⏤	AC 250 V, 3.15 A, T type
Type of protection	IPX1
Max. power consumption	780 W
Sound pressure level at a distance of 1 m	53 dB(A)
Refrigerant	R290
Amount of refrigerant	115 g
GWP factor	3
CO_2 equivalent	0.000345 t
Suction side pressure	0.7 MPa
Discharge side pressure	3.2 MPa
Max. permissible pressure	3.2 MPa
Dimensions (length x width x height)	282 x 303 x 693 mm
Minimum distance to walls and other objects: top (A): rear (B): sides (C): front (D):	 50 cm 50 cm 50 cm 50 cm
Weight	20 kg
Remote control batteries	Type LR03 / AAA – 1.5 V (2 pcs.)

Circuit diagram



Overview and list of spare parts

Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Spare part	Quantity	No.	Spare part	Quantity	No.	Spare part	Quantity
1	Front Shell	1	21	Main PCB	1	41	Upper Wind Duct Cover	1
2	Horizontal Louver Link	2	22	Motor Capacitor	1	42	Vertical Louver	3
3	Horizontal Louver	4	23	Compressor Capacitor	1	43	Wire Mesh	1
4	Remoter Receive Board	1	24	Capacitor Clamp	1	44	High Pressure Pipe	1
5	Caster	4	25	Electric Box Cover	1	45	Refrigerant Charing Pipe	
6	Base Pan	1	26	Down Wind Duct Down Cover	1	46	Filter	1
7	Power Cord	1	27	Nut	1	47	Low Pressure Pipe	1
8	Cable Clamp	1	28	Spring Washer	1	48	Condensor	1
9	Bracket	2	29	Pad	1	49	Capillary	1
10	Compressor Bolt	3	30	Down Fan Wheel	1	50	Evaporator	1
11	Compressor Pad	3	31	Pad	1	51	Display PCB	1
12	Star Washer	3	32	Down Wind Duct Upper Cover	1	52	Control Panel	1
13	Spring Washer	3	33	Motor	1	53	Top Panel	1
14	Nut	3	34	Upper Wind Duct Down Cover	1	54	Sticker	1
15	Compressor	1	35	Pad	1	55	Back Shell	1
16	Floater	1	36	Upper Fan Wheel	1	56	Down Rubber Plug	1
17	Water Fan	1	37	Pad	1	57	Upper Rubber Plug	1
18	Water Motor	1	38	Spring Washer	1	58	Upper Filter Frame	1
19	Support Bar	1	39	Nut	1	59	Front Shell Decorative Ring	1
20	Electric Box	1	40	Upper Wind Duct Upper Cover	1			

Disposal

Always dispose of packing materials in an environmentally friendly manner and in accordance with the applicable local disposal regulations.



The icon with the crossed-out wheeled bin indicates that this device and any associated components (e.g. remote controls) must not be disposed of with household waste at the end of their life, in accordance with the Waste Electrical and Electronic Equipment Directive (2012/19/EU) and national laws.

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. You can also find out about other return options that apply for many EU countries on the website https://hub.trotec.com/?id=45090. Otherwise, please contact an official recycling centre for electronic and electrical equipment authorised for your country.

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.



This icon with the crossed-out wheeled bin indicates that batteries or accumulators must not be disposed of with household waste at the end of their life. If the device contains batteries or accumulators that contain mercury, cadmium or lead, the respective chemical symbol (Hg, Cd or Pb) is shown below the icon of the crossed-out wheeled bin. To prevent environmental pollution, do not carelessly leave batteries or electrical and electronic equipment containing batteries in public areas. In the European Union, batteries and accumulators must be returned to a designated collection point in accordance with REGULATION (EU) 2023/1542 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 12 July 2023 concerning batteries and waste batteries. Remove batteries/accumulators and dispose of them separately according to the relevant legal requirements.

Have the refrigerant (propane) disposed of appropriately and according to the national regulations by a company with the relevant certification (European Waste Catalogue 160504).

Only for United Kingdom

According to Waste Electrical and Electronic Equipment Regulations 2013 (SI 2013/3113) (as amended) and the Waste Batteries and Accumulators Regulations 2009 (SI 2009/890) (as amended), devices that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

Simplified EU Declaration of Conformity

Hereby, Trotec GmbH declares that the radio equipment type (PAC 2016 E – Wifi module) is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
https://hub.trotec.com/?id=47712

Trotec GmbH

Grebbener Str. 7
52525 Heinsberg
Germany
+49 2452 962-0
+49 2452 962-200

online@trotec.com
www.trotec.com