

**EN**

**INSTRUCTIONS**  
LOCAL AIR CONDITIONER

## Table of contents

Information on the use of these instructions .....	2
Safety .....	2
Information about the device .....	6
Transport and storage .....	7
Assembly and start-up .....	8
Operation .....	11
Errors and faults .....	16
Maintenance .....	18
Technical annex.....	21
Disposal .....	25
Simplified EU Declaration of Conformity .....	25

## Information on the use of these instructions

### Symbols



#### **Danger**

This signal word indicates a hazard with a high risk level which, if not avoided, will result in serious injury or death.



#### **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 2020 E



<https://hub.trotec.com/?id=47565>

PAC 2620 E



<https://hub.trotec.com/?id=47566>

## 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.
- Only install the device in compliance with the national installation regulations.
- Only install, operate and store the device PAC 2020 E in a room measuring more than 7 m<sup>2</sup>.
- Only install, operate and store the device PAC 2620 E in a room measuring more than 9 m<sup>2</sup>.
- Store the device in a way that no mechanical damage can occur.
- 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 instructions for servicing the refrigerant circuit:

- 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.
- 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.
- Do not store the device together with ignition sources in rooms without ventilation.
- Do not use any means other than those recommended by the manufacturer for accelerating the defrosting process.
- Do not drill into or burn.
- Please note that the refrigerant is odourless.
- Observe the national regulations for gas installations.
- Observe the maximum refrigerant capacity in the technical data.
- R290 is a refrigerant that complies with European environmental regulations. No part of the cooling circuit may be perforated.

### 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 basic knowledge of how to safely handle electrical equipment.
- 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:

#### PAC 2020 E

#### WARNING • WARNUNG • ATTENTION

DE Das Gerät muss in einem Raum mit einer Grundfläche größer als 7 m<sup>2</sup> aufgestellt, betrieben und gelagert werden.  
 EN Appliance shall be installed, operated and stored in a room with floor area larger than 7 m<sup>2</sup>.  
 FR L'appareil doit être installé, utilisé et entreposé dans une pièce avec une surface supérieure à 7 m<sup>2</sup>.



#### PAC 2620 E

#### WARNING • WARNUNG • ATTENTION

DE Das Gerät muss in einem Raum mit einer Grundfläche größer als 9 m<sup>2</sup> aufgestellt, betrieben und gelagert werden.  
 EN Appliance shall be installed, operated and stored in a room with floor area larger than 9 m<sup>2</sup>.  
 FR L'appareil doit être installé, utilisé et entreposé dans une pièce avec une surface supérieure à 9 m<sup>2</sup>.



#### 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.

### !!! ACHTUNG !!!

1. Vor Inbetriebnahme MIND. 12 STUNDEN aufrecht und still stehen lassen! Das schützt den Kompressor, verlängert die Lebensdauer erheblich und verhindert so einen Verlust der Kühlleistung.
2. Das Klimagerät muss immer BESONDERS VORSICHTIG auf den Boden gestellt werden! Ansonsten können Mikrorisse in der Bodenplatte und der Kondensatwanne entstehen, was dazu führt, dass Kondenswasser auf den Boden tropft.

Für Schäden, die durch unsachgemäßen Gebrauch entstehen, übernehmen wir KEINE GEWÄHRLEISTUNG!

### !!! WARNING !!!

1. Before operation, stand upright and rest for MIN 12 HOURS! This protects the compressor, greatly extending its life and preventing loss of cooling performance.
2. The air conditioner must always be placed on the floor with CAUTION! Otherwise, microcracks may form in the bottom plate and the condensate pan, causing condensation to drip onto the floor.

For damages caused by improper use, WARRANTY WILL BE NULL AND VOID!

### !!! ATTENTION !!!

1. Avant la mise en service, laissez immobile en position verticale PENDANT AU MOINS 12 HEURES ! Cela protège le compresseur, prolonge sensiblement la durée de vie et évite ainsi une diminution des performances de refroidissement.
2. Le climatiseur doit toujours être posé sur le sol AVEC LES PLUS GRANDES PRÉCAUTIONS ! Sinon, des micro-fissures risquent de se former dans le socle ou le bac de récupération de l'eau de condensation, ce qui entraînerait que cette dernière coule sur le sol.

Toute utilisation incorrecte ou non conforme entraîne L'EXTINCTION DE LA GARANTIE !

## Residual risks



### Danger

#### Natural refrigerant propane (R290)!

H220 – Extremely flammable gas.

H280 – Contains gas under pressure; may explode if heated.

P210 – Keep away from heat, sparks, open flames and other ignition sources. No smoking.

P377 – Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

P410+P403 – Protect from sunlight. Store in a well-ventilated place.



### Danger

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.



### 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 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 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.

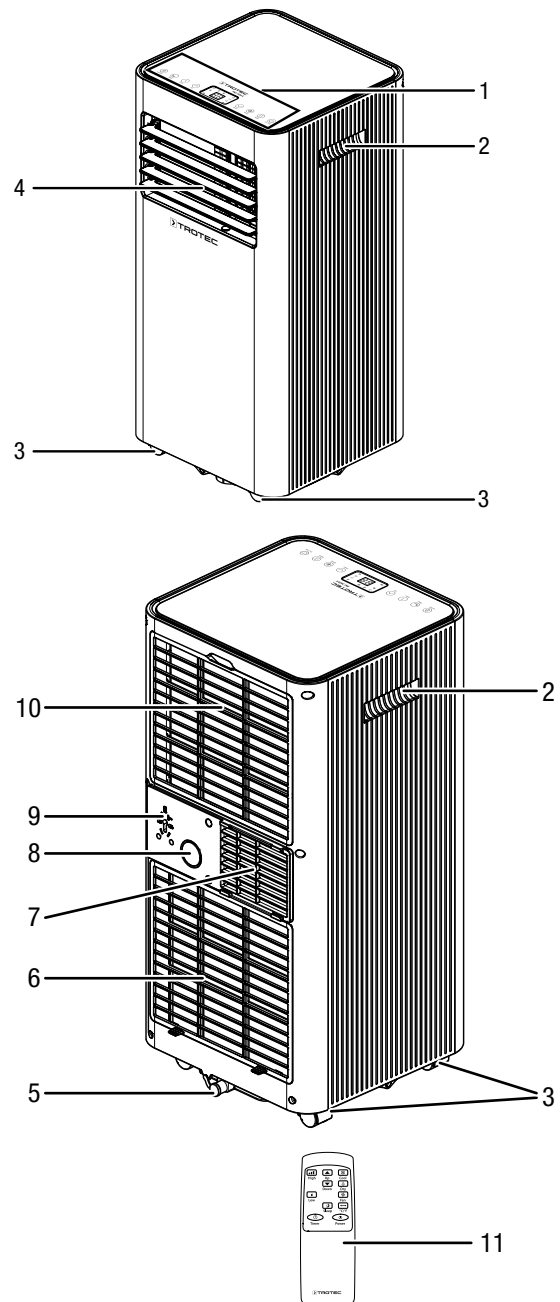
Operation of the device is possible either via the control panel at the device or via the supplied infrared remote control.

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 dripping water (IPX1).

## Device depiction



No.	Designation
1	Control panel
2	Handle
3	Wheels
4	Air outlet with ventilation flaps
5	Condensate outlet with rubber stopper
6	Air inlet with air filter
7	Exhaust air hose connection
8	Hose connection with rubber stopper
9	Mains plug holder
10	Air inlet with air filter
11	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.

**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 PAC 2020 E in a room measuring more than 7 m<sup>2</sup>.
- Only store the device PAC 2620 E in a room measuring more than 9 m<sup>2</sup>.
- Only position the device in rooms where there is no source of ignition (e.g. open flames, an active gas appliance or an electric heater).
- 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 Window seal
- 1 x Remote control (without batteries)
- 1 x Manual

### Unpacking the device



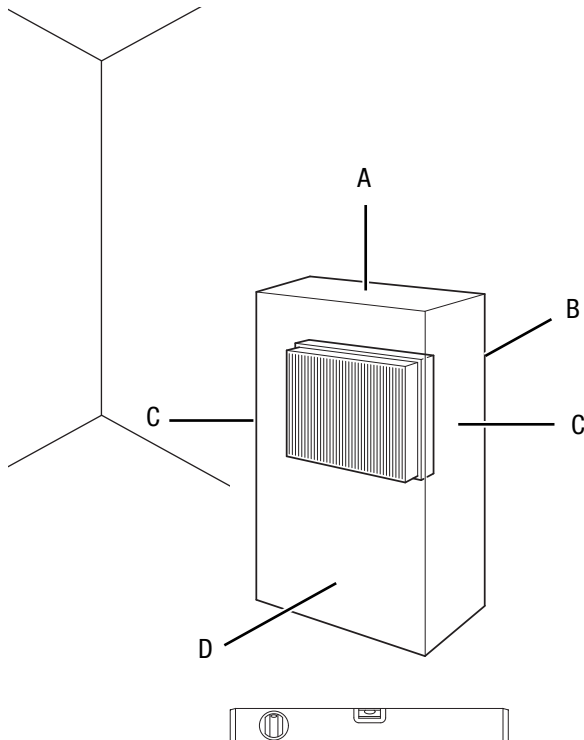
#### Danger

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.
- The device should only be stored in rooms where there is no permanent source of ignition (e.g. open flames, an active gas appliance or an electric heater).
- 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.
- Ensure that the 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!

Please proceed as follows to insert or exchange the batteries:

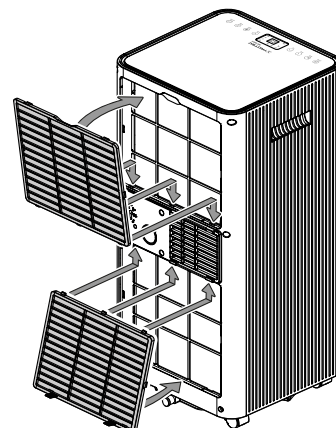
1. Press the upper part on the back of the remote control and pull the battery cover off the remote control.
2. Insert two batteries into the battery compartment according to the correct polarity.
3. Slide the battery cover back onto the remote control.

### Inserting the air filter

#### Notice

Do not operate the device without 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.

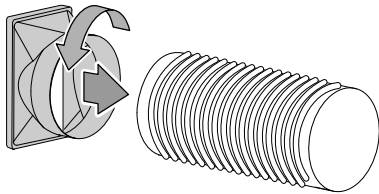
- Make sure that the air filter is installed before switching the device on.



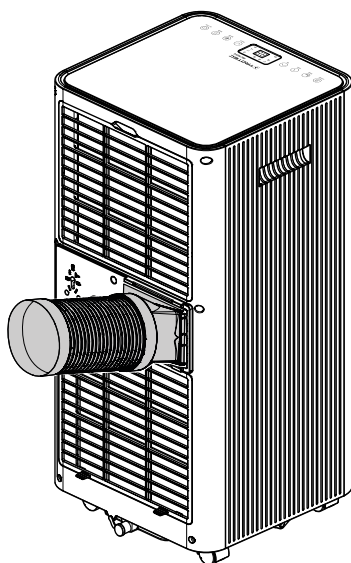
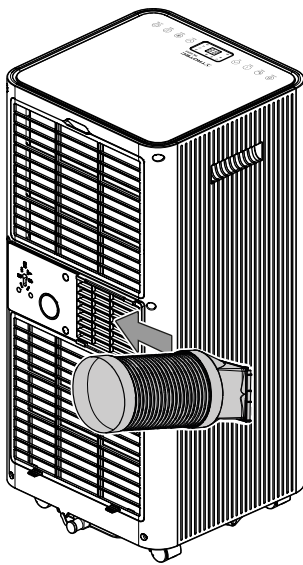


## Connecting the exhaust air hose

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



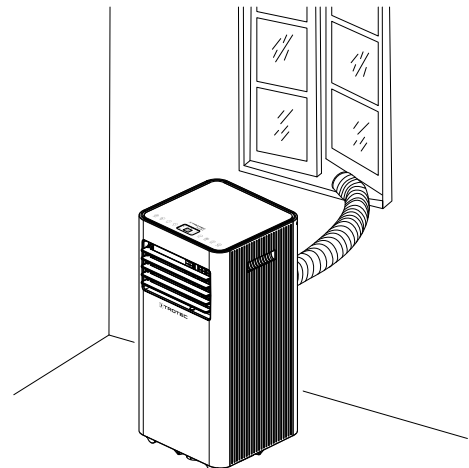
2. Shove the hose adapter with exhaust air hose sideways into the air conditioner's exhaust air hose connection.



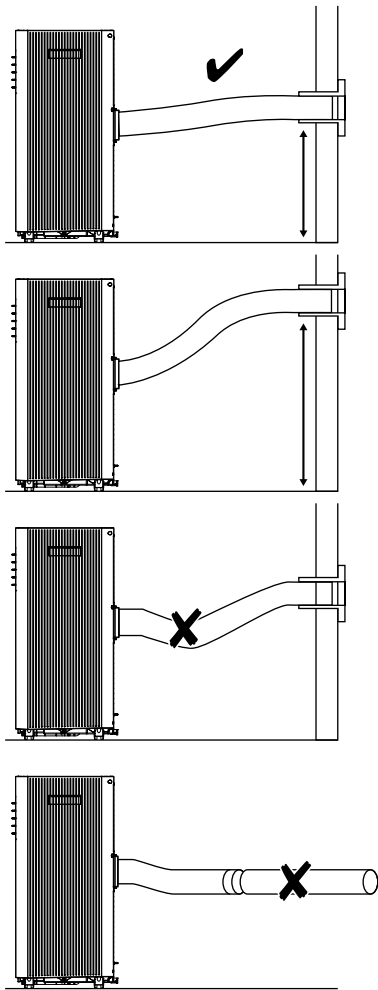
## Discharging exhaust air

- 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. To do so, attach the hose connector to the exhaust air hose and connect it to the window seal.
- 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:*

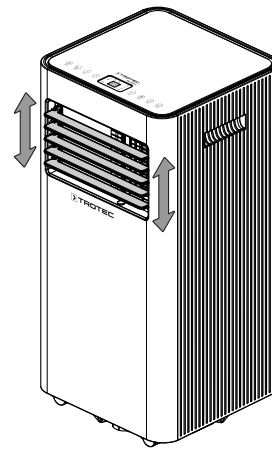


For installing the exhaust air hose please observe the following:



### Opening the ventilation flaps

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



### Connecting the power cable

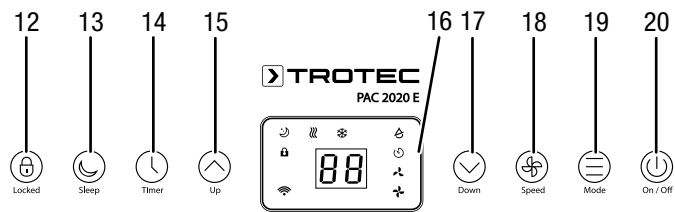
- Connect the mains plug to a properly secured socket.

- 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.

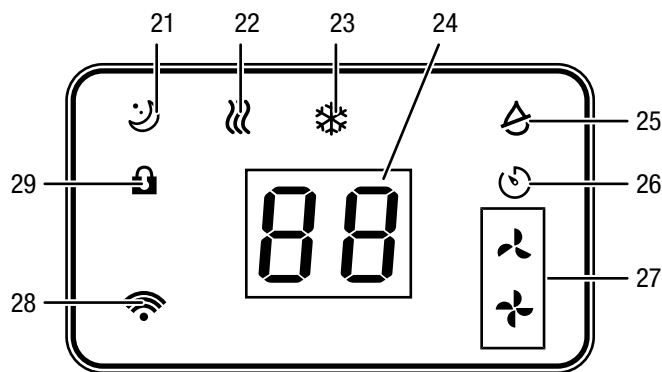
## Operation

- Avoid open doors and windows.

### Operating elements



### Display



No.	Designation	Meaning
12	<i>Locked</i> button	Switching the locking function on or off
13	<i>Sleep</i> button	Switching the <i>night</i> mode on or off
14	<i>Timer</i> button	Switching the timer function on or off
15	<i>Up</i> button	Increasing the target temperature for cooling (16 °C to 32 °C) Increasing the number of hours for the timer function (1 hour to 24 hours)
16	Display	Indication of different device functions
17	<i>Down</i> button	Decreasing the target temperature for cooling (16 °C to 32 °C) Decreasing the number of hours for the timer function (1 hour to 24 hours)
18	<i>Speed</i> button	Setting the fan stage: stage 1 = low fan speed stage 2 = high fan speed
19	<i>Mode</i> button	For selecting the operating mode: <i>Fan only</i> <i>Dehumidification</i> <i>Cooling</i>
20	<i>On/Off</i> button	Switching the device on or activating standby mode
21	<i>Night mode</i> LED	illuminated when night mode is activated
22	<i>Ventilation</i> LED	illuminated when the ventilation mode is active
23	<i>Cooling</i> LED	illuminated when the cooling mode is active
24	Segment display	Indication of the target temperature in <i>Cooling</i> mode Indication of the current room temperature Indication of the set number of hours during timer programming Indication of the error code, see chapter Errors and faults Indication of the room temperature in °C / °F
25	<i>Dehumidification</i> LED	illuminated when the dehumidification mode is active
26	<i>Timer</i> LED	illuminated when the timer is active
27	<i>Fan speed</i> LEDs	🌀: low fan speed 🌀🌀: high fan speed
28	<i>Wifi</i> LED	illuminated when WLAN is active
29	<i>Key lock</i> LED	illuminated when the key lock is active

## Remote control

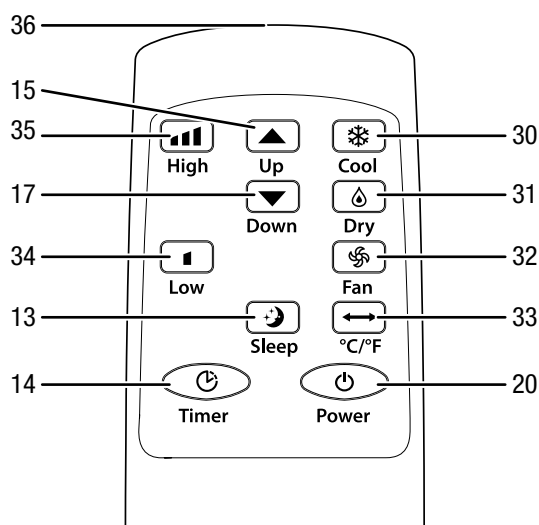
All settings of the device can also be made using the remote control included in the scope of delivery.

Insert suitable batteries in the remote control (see chapter Technical annex).



### 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 (20) on the remote control. The device automatically uses the current settings entered via the remote control.



No.	Designation	Meaning
13	<i>Sleep</i> button	Switching the <i>Night</i> mode on or off
14	<i>Timer</i> button	Switching the timer function on or off
15	<i>Up</i> button	Increasing the target temperature for cooling (16 °C to 32 °C) Increasing the number of hours for the timer function (1 hour to 24 hours)
17	<i>Down</i> button	Decreasing the target temperature for cooling (16 °C to 32 °C) Decreasing the number of hours for the timer function (1 hour to 24 hours)
20	<i>Power</i> button	Switching the device on or activating standby mode
30	<i>Cooling</i> button	Switching the <i>cooling</i> mode on or off
31	<i>Dehumidification</i> button	Switching the <i>dehumidification</i> mode on or off
32	<i>Ventilation</i> button	Switching the <i>ventilation</i> mode on or off
33	<i>Temperature unit</i> button	Changing the temperature unit between °C and °F

No.	Designation	Meaning
34	<i>Fan speed 1</i> button	Setting fan speed 1
35	<i>Fan speed 2</i> button	Setting fan speed 2
36	Remote control transmitter/receiver	Communication between device and remote control

## Switching the device on

1. Leave the device to rest for 24 hours if it has previously been tilted by more than 45°.
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 (20).  
⇒ The device switches on and automatically starts in *Ventilation* mode.
4. Select the desired operating mode.

The device switches off automatically when the condensation tank is full. *Ft* is displayed on the segment display (24).

## Setting the operating mode

### Cooling

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

1. Press the *Mode* button (19) until the *Cooling* LED (23) is illuminated.  
⇒ *Cooling* mode is selected.
2. Select the desired target temperature by use of the *Up* (15) or *Down* (17) buttons. Temperatures between 16 °C and 32 °C can be selected.  
⇒ The target temperature flashes in the segment display (24).  
⇒ After a short time, the target temperature stops flashing and the target temperature value is saved.
3. Press the *Speed* button (18) to set the desired fan stage.  
⇒ The fan stage is indicated on the display (16).
4. Adjust the ventilation flaps on the air outlet by hand (4) to align the air current.

## Dehumidification

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

The target temperature is preset to a fixed value of 22 °C and cannot be changed manually. The ventilation runs at minimum speed.



### Info

Remove the exhaust air hose during *Dehumidification*, otherwise the performance will be insufficient.

1. Press the *Mode* button (19) until the *Dehumidification* LED (25) is illuminated.

⇒ *Dehumidification* mode is selected.



### Info

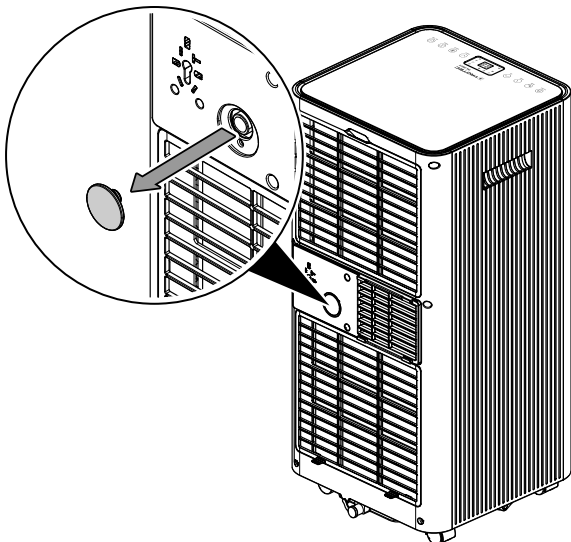
If the device is operated in a very humid environment, the accumulating condensate must be discharged at regular intervals (see Condensate discharge).

## Connecting the condensation drain hose

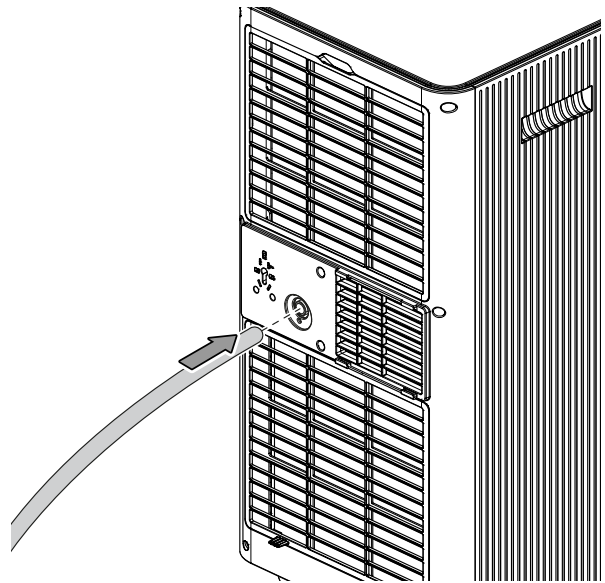
If you use the device for an extended period of time or you don't want to empty the condensation tank regularly, you can connect a condensation drain hose to the hose connection.

✓ The device is switched off.

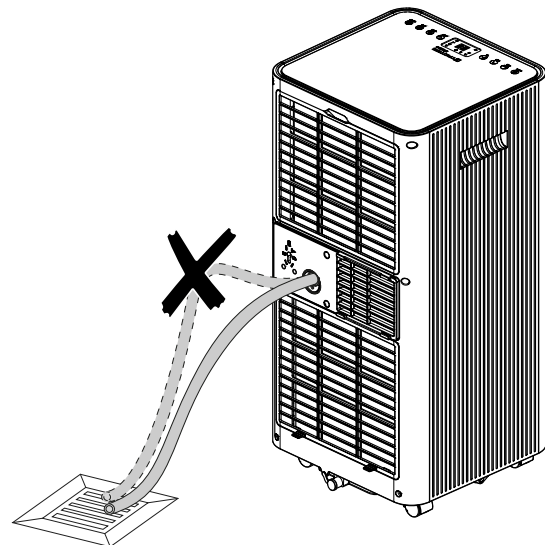
1. Check whether there is a drain at the installation site or provide a suitable collection container under the condensate outlet.
2. Pull the rubber stopper out of the hose connection.



4. Connect a suitable hose (Ø 16 mm) to the hose connector.



5. 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.



3. Keep the rubber stopper for later use.

### Fan only

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

The target temperature is preset to a fixed value of 22 °C and cannot be changed manually.



#### Info

Remove the exhaust air hose during *Ventilation*.

1. Press the *Mode* button (19) until the *Ventilation* LED (22) is lit.  
⇒ *Ventilation* mode is selected.
2. Press the *Speed* button (18) to set the desired fan stage.  
⇒ The selected operating mode and fan stage are indicated on the display (16).

### Night mode

The night mode can be activated when in *Cooling* 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 (13).  
⇒ The *Cooling* LED (23), *Fan speed* LED (27) and *Night mode* LED (21) are illuminated.  
⇒ The display becomes darker.
3. In order to switch the night mode off, press the *Sleep* button (13) once again.  
⇒ The *Night mode* LED (21) 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

The locking function prevents the buttons on the control panel from being used.

Please proceed as follows to lock the control panel:

- ✓ The device is switched on.
1. Press the *Locked* button (12) for approx. 5 seconds.  
⇒ The *Key lock* LED (29) is illuminated.  
⇒ The locking function is activated.  
⇒ The buttons on the control panel cannot be used.
  2. Press the *Locked* button (12) for approx. 5 seconds to switch off the function.  
⇒ The *Key lock* LED (29) disappears.  
⇒ The buttons on the control panel can be used again.

### Timer function

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 (14) to activate the timer.  
⇒ 00 flashes on the segment display (24).
  2. Press the *Up* (15) or *Down* (17) button to select the desired number of hours until automatic switch-on/switch-off.
  3. Wait a moment to save the set number of hours.  
⇒ The timer LED (26) is illuminated.  
⇒ After the predefined time, the device switches itself on/off.  
⇒ Manually switching the device on/off disables the automatic switch-on/switch-off function.
  4. To delete the setting, press the *Timer* button (14) and select 00 hours.  
⇒ The timer LED (26) goes out.

### Changing the unit °C / °F

The temperature in the segment display (24) can be indicated in °C or °F.

Please proceed as follows to change the temperature unit:

1. Press the °C/°F button (33).  
⇒ The displayed temperature is converted to the other unit.



#### Info

You can also change the temperature unit in standby mode. To do so, press the *Mode* button (19) in standby mode.

### 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 Assistant 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>

### WiFi connection

Proceed as follows to establish a WiFi connection:

- ✓ The device is now in standby mode.
- 1. Download the Trotec Assistant App and open it on a smartphone.
- 2. Select *Add Device* by pressing the “+” symbol in the top right corner.
- 3. Select *Large household appliances* and *Air conditioning (Wi-Fi)* among them.
- 4. Press the *Timer* button (14) on the control panel of the device for approx. 5 seconds.
  - ⇒ The *WiFi* LED (28) flashes.
  - ⇒ The device is in *Quick Connect* mode.
- 5. Follow the instructions of the app on the smartphone.
  - ⇒ Once the *WiFi* LED (28) 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 (18).

## Shutdown



### Warning of electrical voltage

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

- Switch the device to standby mode by pressing the *On/Off* button (20).
- 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 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 must 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. One window has to remain open for the exhaust air hose 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:

- 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 only switches on if the ambient temperature is higher than the target temperature.
- 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.
- Check the charging status of the batteries and change them if required.
- If the batteries have just been changed, check them for correct polarity.
- Check whether the remote control is still in standby mode. Standby mode can be terminated by pressing the *Power* button (20) on the 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 (24).

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

P210 – Keep away from heat, sparks, open flames and other ignition sources. No smoking.

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

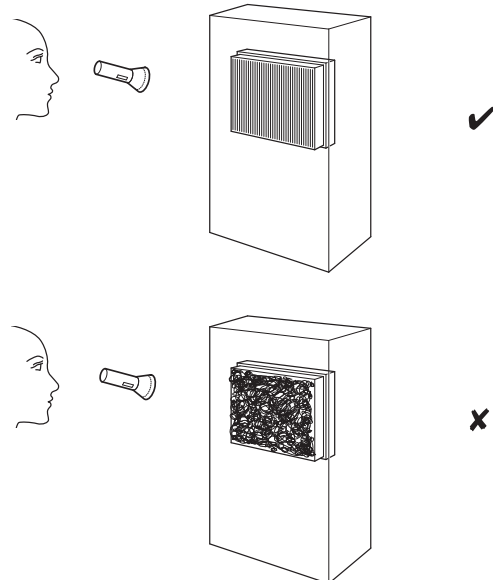
Check the safety signs and labels attached to the device at regular intervals. Replace illegible safety signs!

## 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

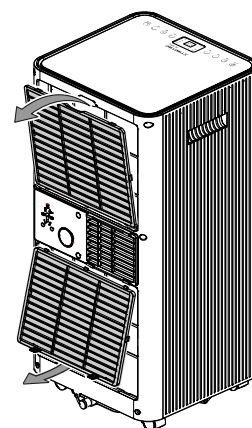
The air filter has to be cleaned as soon as it is dirty. This is brought to light e.g. by a reduced capacity (see chapter Errors and faults).



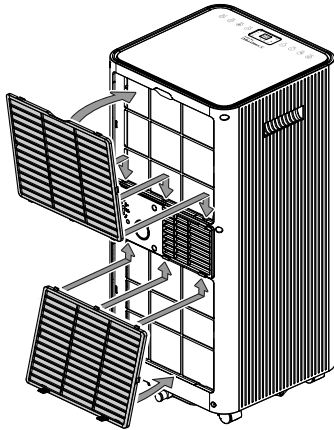
### Warning

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.



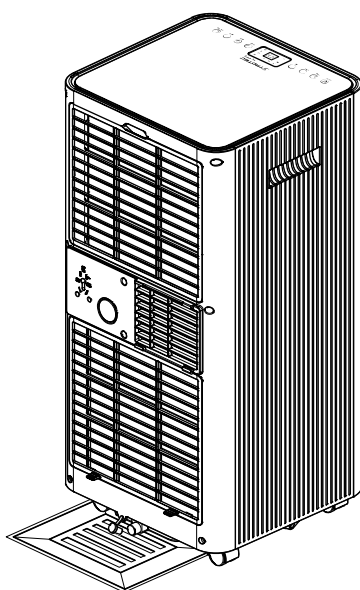
### Condensate discharge (manual draining)

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

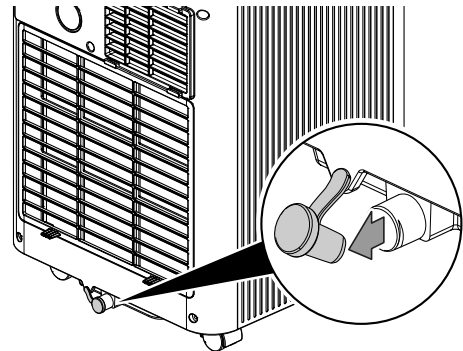
The remaining condensate is collected in a condensation tray within the housing. The condensate must be drained regularly.

If too much condensate accumulates, the device switches to standby mode and indicates this via the *Ft* error code on the segment display (24).

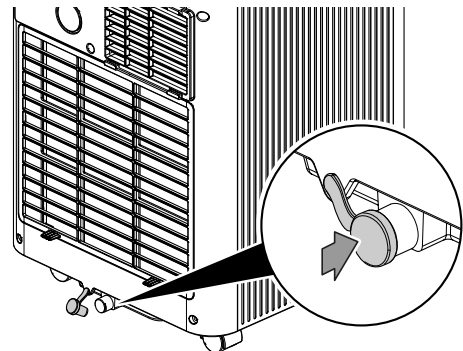
1. Check whether there is a drain at the installation site or provide a suitable collection container under the condensate outlet.



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 (24) 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 24 hours if it has been tilted by more than 45° during maintenance. During this time, the lubricating oil can be returned to the compressor. Wait 24 hours before switching the device back on! Acting contrary might lead to compressor damage and a malfunctioning device.

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

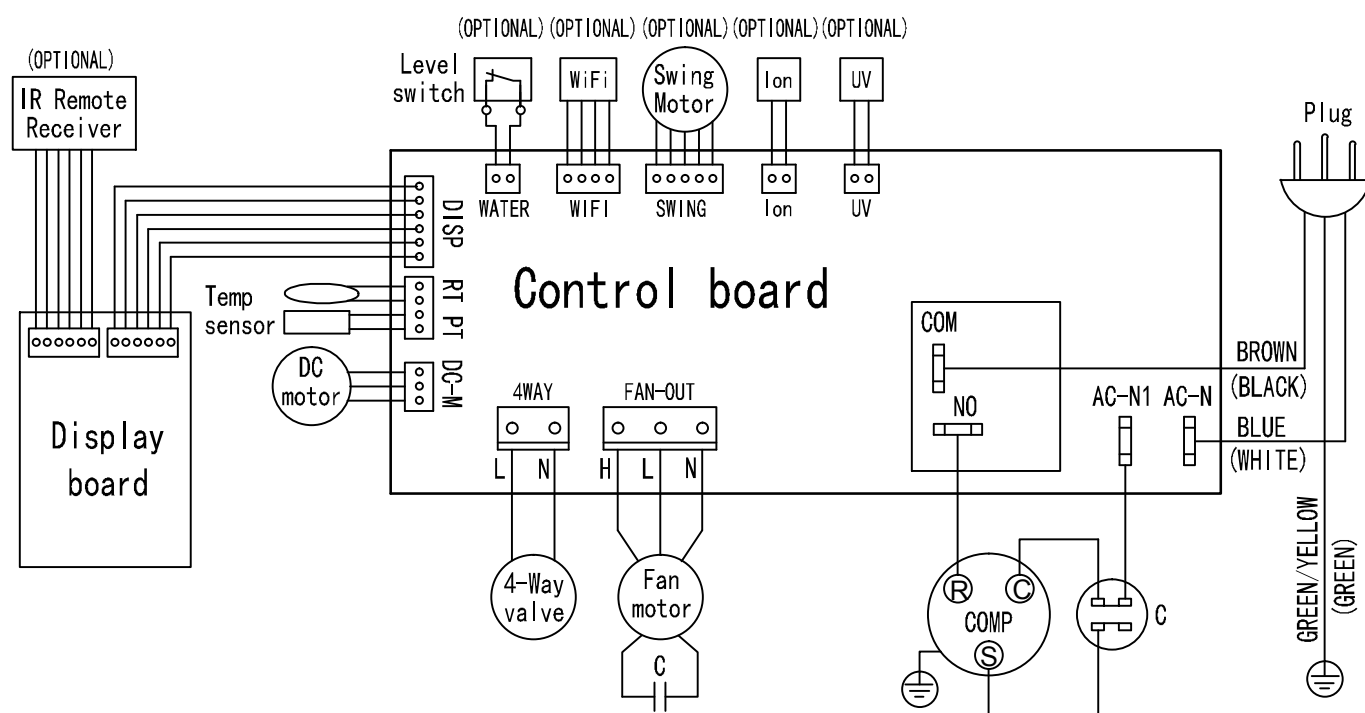
- Store the device according to the Transport and storage chapter.

## Technical annex

## Technical data

Model	PAC 2020 E	PAC 2620 E
Cooling capacity	2.0 kW	2.6 kW
Dehumidification performance	1.5 l/h	1.75 l/h
Operating temperature	5 °C to 35 °C	5 °C to 35 °C
Temperature setting range	16 °C to 32 °C	16 °C to 32 °C
Max. air volume flow	300 m³/h	330 m³/h
Fusing 	10 A	10 A
Type of protection	IPX1	IPX1
Mains connection	220 – 240 V / 50 Hz	220 – 240 V / 50 Hz
Nominal current	3.5 A	4.5 A
Power input (cooling operation)	780 W	1003 W
Sound pressure level at a distance of 1 m (stage 1)	55 dB(A)	55 dB(A)
Refrigerant	R290	R290
Amount of refrigerant	0.14 kg	0.18 kg
GWP factor	3	3
CO <sub>2</sub> equivalent	0.00042 t	0.00054 t
Suction side pressure	0.7 MPa	0.7 MPa
Pressure outlet side	3.2 MPa	3.2 MPa
Max. permissible pressure	3.2 MPa	3.2 MPa
Cable length	1.8 m	1.8 m
Dimensions (length x width x height)	348 x 350 x 701 mm	348 x 350 x 701 mm
Minimum distance to walls and other objects:	top (A): 30 cm rear (B): 30 cm sides (C): 30 cm front (D): 30 cm	30 cm 30 cm 30 cm 30 cm
Weight	21 kg	24 kg
Remote control batteries	Type LR03 / AAA – 1.5 V (2 pcs.)	Type LR03 / AAA – 1.5 V (2 pcs.)

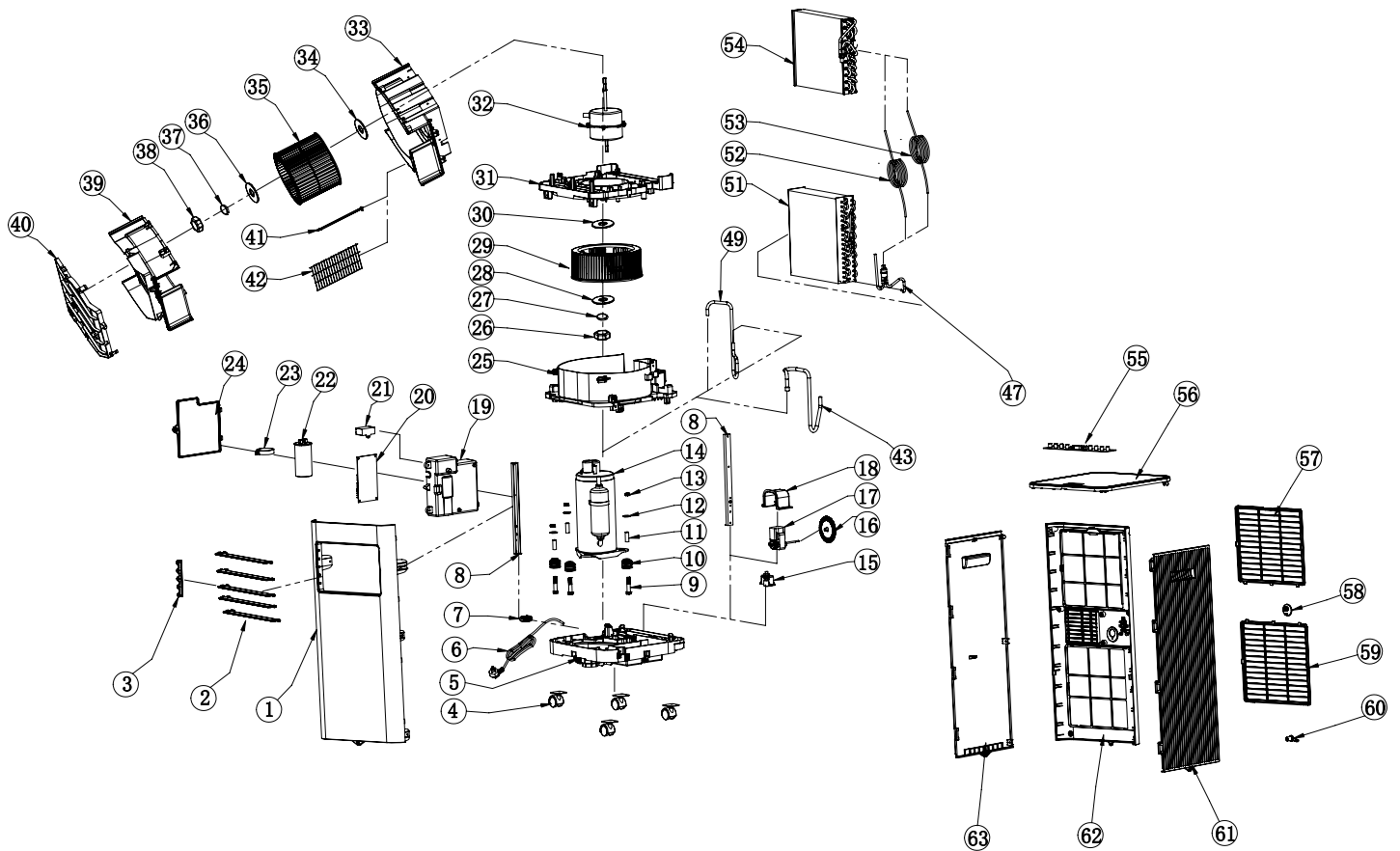
## Circuit diagram





## Overview and list of spare parts

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



No.	Spare part	Quantity	No.	Spare part	Quantity	No.	Spare part	Quantity
1	Front cover	1	21	Motor capacitor	1	40	Upper air duct cover plate	1
2	The wind guide bar	5	22	Compressor capacitor	1	41	Vertical guide wind bar	3
3	The wind guide bar connector	1	23	Capacitor card	1	42	Wire mesh	1
4	Castors	4	24	Electric box cover	1	43	Insulating sleeve	1
5	Base pan	1	25	Downwind cover	1	47	Four way filter assembly	1
6	Power cord	1	26	Nut	1	49	Delivery tube	1
7	Line cord	1	27	Spring washer	1	51	Condenser	1
8	Bracket	2	28	Washer	1	52	Capillary	1
9	Bolt	3	29	Rotor Blade	1	53	Capillary	1
10	Compressor pads	3	30	Washer	1	54	Evaporator	1
11	Sleeve	3	31	Downwind duct	1	55	Display PCB	1
12	Washer	3	32	Motor	1	56	Top cover	1
13	Nut	3	33	Upper duct	1	57	EVA filter frame	1
14	Compressor	1	34	Washer	1	58	Rubber plug	1
15	Floater switch	1	35	Rotor blade	1	59	CON filter frame	1
16	Water wheel	1	36	Washer	1	60	Rubber plug	1
17	Water motor	1	37	Spring washer	1	61	Right panel	1
18	Motor cover	1	38	Nut	1	62	Back cover	1
19	Electric box	1	39	Upper duct cover	1	63	Left panel	1
20	Main PCB	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 2020 E – WiFi module / PAC 2620 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:

PAC 2020 E: <https://hub.trotec.com/?id=47565>

PAC 2620 E: <https://hub.trotec.com/?id=47566>

Trotec GmbH

Grebbeener Str. 7  
52525 Heinsberg  
Germany

☎ +49 2452 962-0

☎ +49 2452 962-200

[online@trotec.com](mailto:online@trotec.com)

[www.trotec.com](http://www.trotec.com)