PAC 2000 E

EN

OPERATING MANUAL
LOCAL AIR CONDITIONER

TRT-BA-PAC2000E-TC2018-51-005-EN

TROTEC

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Notes regarding the operating manual

Symbols

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

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

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

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

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

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

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

PAC 2000 E

https://hub.trotec.com/?id=39643

Safety

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

Warning
Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and / or serious injury.
Save all warnings and instructions for future reference.
This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

- Do not use the device in potentially explosive rooms.
- Do not use the device in aggressive atmosphere.
- Set the device up in an upright and stable position.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not use the device with wet or damp hands.
- Do not expose the device to directly squirting water.
- Never insert any objects or limbs into the device.
- Do not cover or transport the device during operation.
- Do not sit on the device.
- This appliance is not a toy! Keep away from children and animals. Do not leave the device unattended during operation.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.

- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The electrical connection must correspond to the specifications in chapter Technical data.
- Insert the mains plug into a properly secured mains socket.
- Observe the technical data when selecting extensions to the power cable. Completely unroll the extension cable. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable.
  If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
  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 data chapter.
- 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!

Intended use

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

Improper use

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

Personnel qualifications

People who use this device must:

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

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

Residual risks

Warning of electrical voltage

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

Warning of electrical voltage

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

Warning

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

Warning

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

Warning

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

Note

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

Behaviour in the event of an emergency

1. Switch off the device.
2. In an emergency, disconnect the device from the mains feed-in: Hold onto the mains plug while pulling the power cable out of the mains socket.
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.

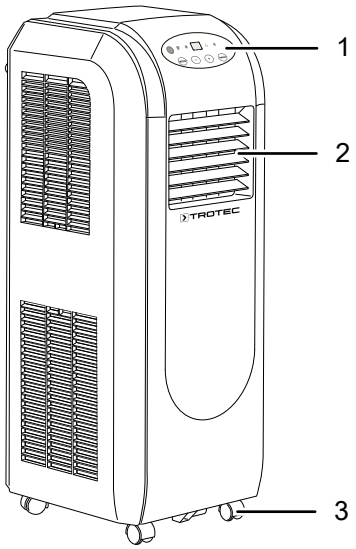
The device operates fully automatically and features a variety of further options. The device can, for instance, be switched on or off automatically with time delay via the timer function.

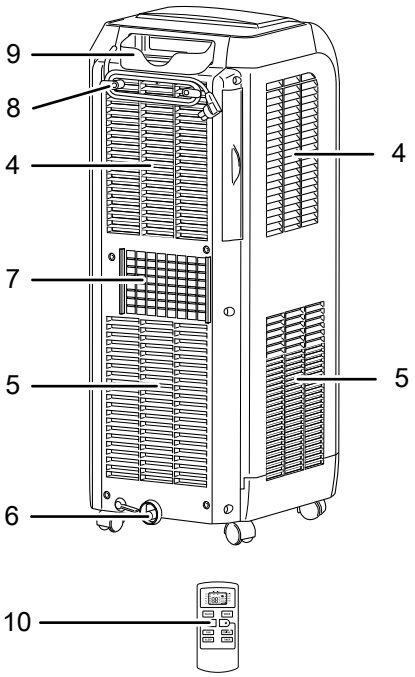
Operation of the device is possible either via the control panel at the device or via the supplied infrared remote control.

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.

Device depiction





No.	Designation
1	Control panel
2	Air outlet with ventilation flaps
3	Wheel
4	Air inlet with air filter
5	Air inlet
6	Condensate outlet with rubber stopper
7	Exhaust air hose connection
8	Power cable holder
9	Compartment for the remote control
10	Remote control

Transport and storage

Note

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

Transport

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

Before transporting the device, observe the following:

- Switch off the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Do not use the power cable to drag the device.
- Drain the remaining condensate from the device.
- Only wheel the device on a level and smooth surface.

After transporting the device, observe the following:

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

Storage

Before storing the device, proceed as follows:

- Drain the remaining condensate from the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.

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

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

Assembly and installation

Scope of delivery

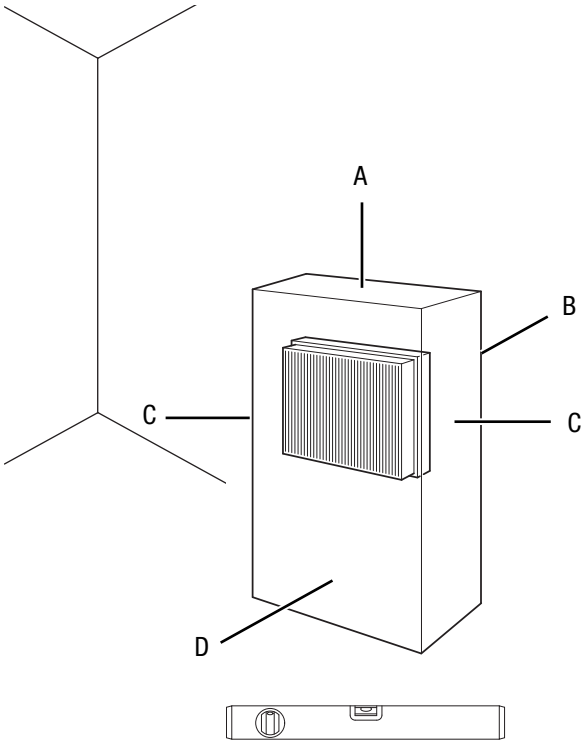
- 1 x Device
- 1 x Exhaust air hose
- 1 x Hose adapter
- 1 x Hose connector
- 1 x Condensation drain hose
- 1 x Retaining clip for condensation drain hose
- 1 x Remote control
- 2 x Battery for the remote control
- 2 x Air filter
- 1 x Manual

Unpacking the device

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

Start-up

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



- Before restarting the device, check the condition of the power cable. If there are doubts as to the sound condition, contact the customer service.
- Set the device up in an upright and stable position.

- Do not create tripping hazards when laying the power cable or other electric cables, especially when positioning the device in the middle of the room. Use cable bridges.
- Make sure that extension cables are completely unrolled.
- Keep air inlets and outlets as well as the exhaust air hose connection free.
- Make sure that no curtains or other objects interfere with the air flow.

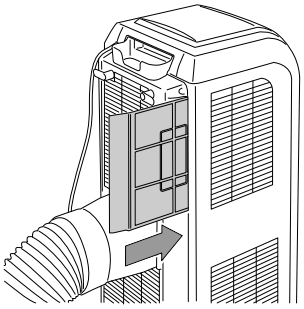
Prior to initial start-up, insert the batteries in the remote control.

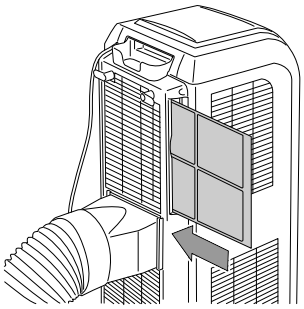
Inserting the air filter

Note

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

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

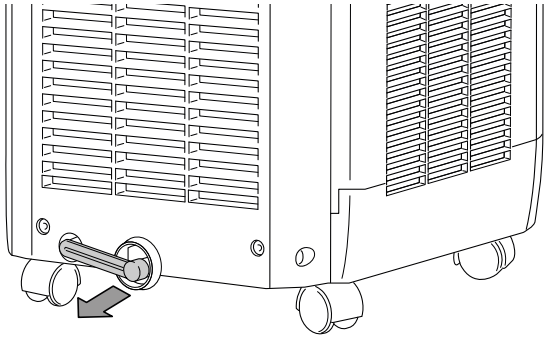




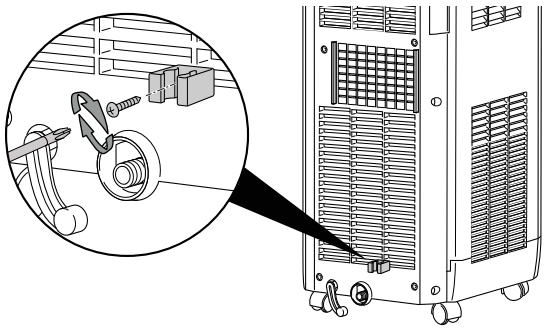
Connecting the condensation hose

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

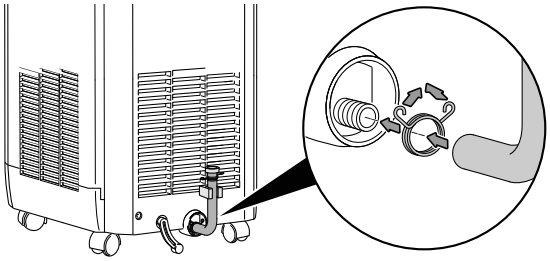
1. Remove the stopper from the condensate outlet (6).



2. Screw down the retaining clip for the condensation drain hose.

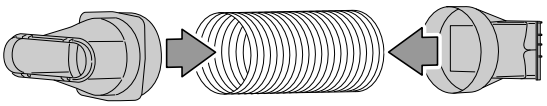


3. Attach the sealed condensation drain hose to the condensate outlet (6) and put the hose into the retaining clip.

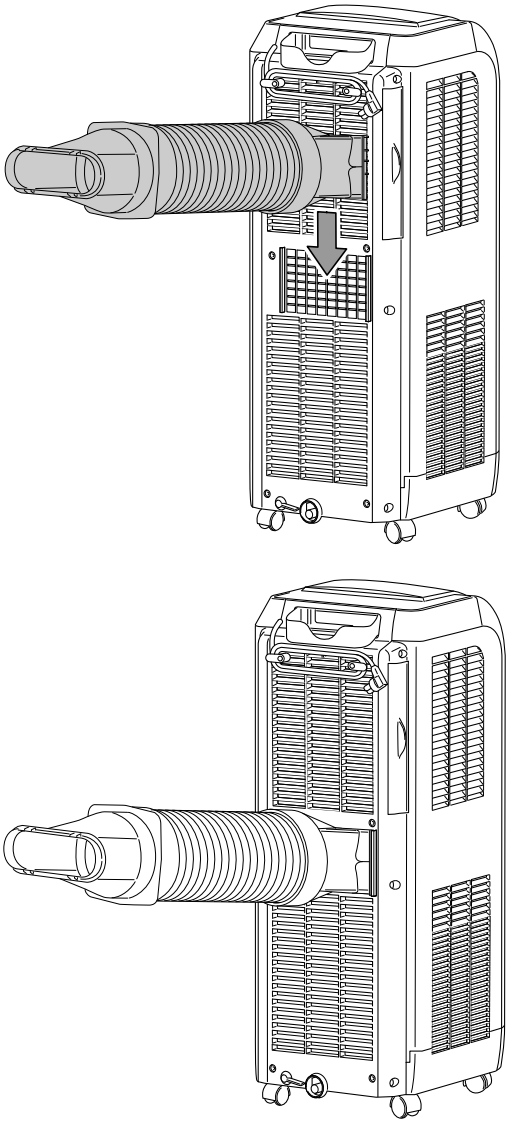


Connecting the exhaust air hose

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 (7) located at the device.

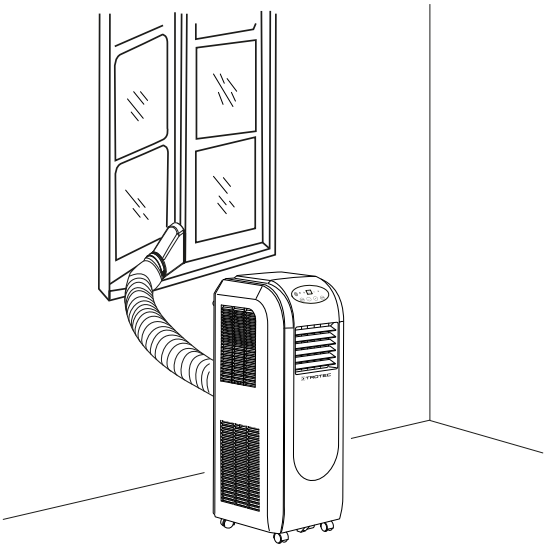


Discharging exhaust air

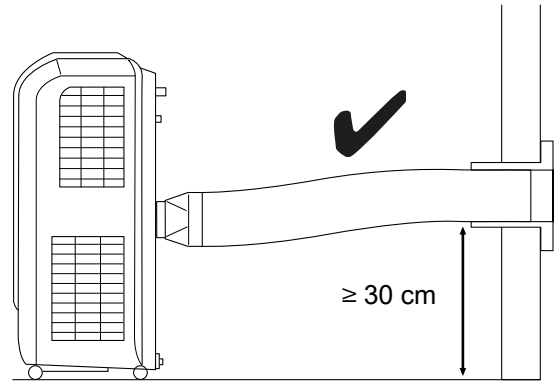
- The exhaust air coming from the device contains waste heat from the room to be cooled. For this reason it is recommended to discharge the exhaust air to the outside.
- The end of the exhaust air hose can be fed through the open window. If required, secure the open window with the corresponding means,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

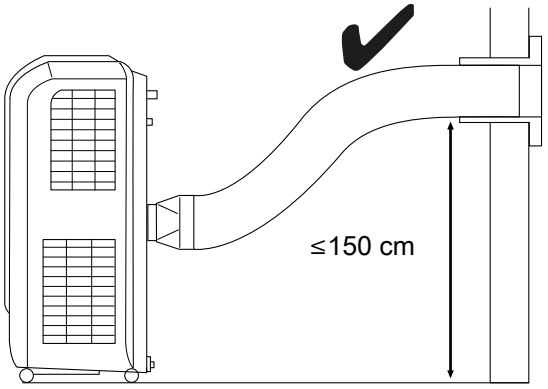
  For this purpose, we recommend using a window seal (optional).
- Install the exhaust air hose inclined with the air direction.

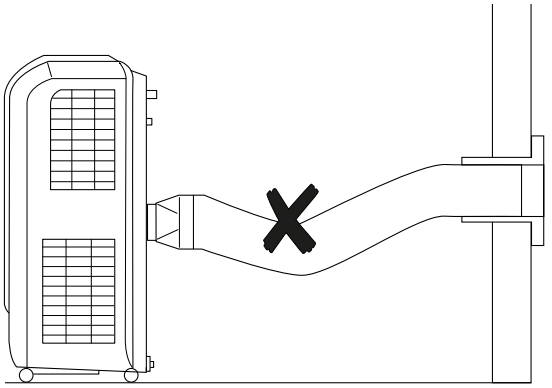
Example with exhaust air hose:

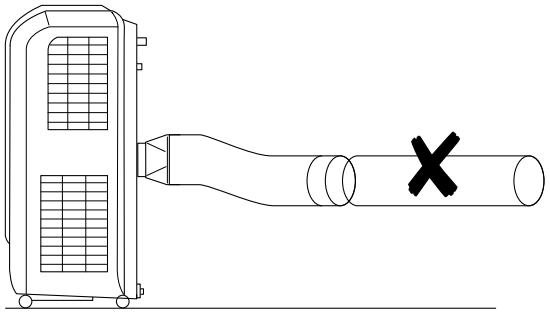


For installing the exhaust air hose please observe the following:





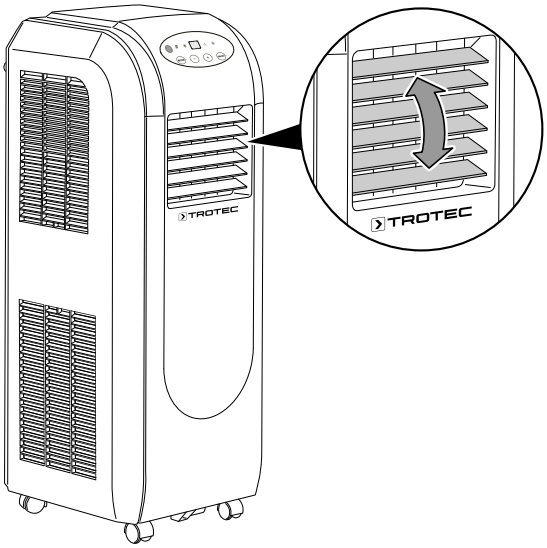




- Avoid kinks and bends in the exhaust air hose, as they would lead to an accumulation of emitted humid air causing the device to overheat and shut down.
- The dimensions of the exhaust air hose were especially made to fit the device. Do not replace or extend the hose, for it could cause a malfunction.

Opening the ventilation flaps

- Prior to switching the device on, open the horizontal ventilation flaps at the air outlet (2). Adjust the ventilation flaps to the desired position.



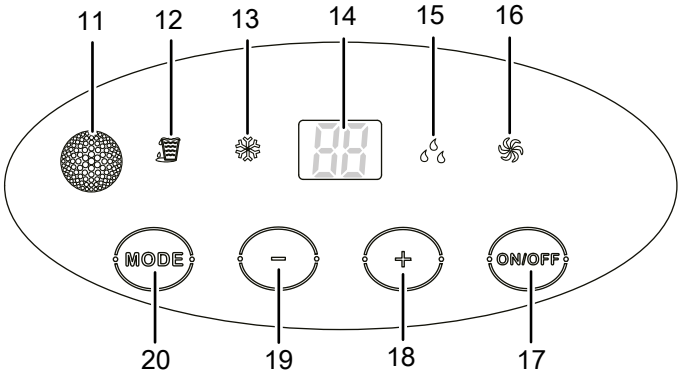
Connecting the power cable

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

Operation

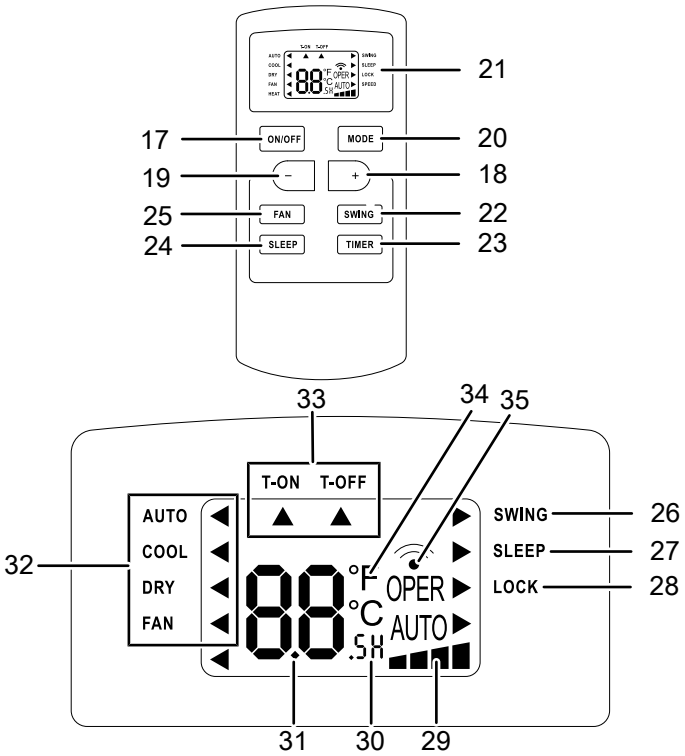
- Avoid open doors and windows.

Operating elements



Remote control

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



No.	Designation	Meaning
11	Remote control receiver	Receives the infrared signal from the remote control
12	*Water filling level* LED	Empty condensation tray indication
13	LED for *cooling operation*	Indication of the operating mode cooling
14	Segment display	Indication of target temperature Indication of error messages
15	*Dehumidification* LED	Indication of the operating mode dehumidification
16	*Ventilation* LED	Indication of the operating mode ventilation
17	*ON/OFF* button	For switching the device on and off
18	*Plus* button	Increasing the target temperature (16 °C to 30 °C) for cooling
19	*Minus* button	Reducing the target temperature (16 °C to 30 °C) for cooling
20	*MODE* button	Selecting the operating mode *automatic operation* (can only be activated via the remote control) *cooling* *dehumidification* *ventilation*
21	Display	Indication of different device functions
22	*SWING* button	Switching the swing function on or off Not available for this device.
23	*TIMER* button	*Automatic switch-on* timer function in increments of 0.5 hours (0.5 h to 24 h) *Automatic switch-off* timer function in increments of 0.5 hours (0.5 h to 24 h)
24	*SLEEP* button	Switching night mode on and off
25	*FAN* button	Setting the fan speed
26	*SWING* indication	Is displayed when the swing function is activated Not available for this device.
27	*SLEEP* indication	Is displayed when the SLEEP function is activated
28	*LOCK* indication	Is displayed when the key lock is activated
29	*Fan speed* indication	Indicates the fan stage
30	Timer setting indication	Flashes during timer setting
31	Segment display 2	Indication of the target temperature Indication of the number of hours during timer programming
32	*Operating mode* indication	Indicates the currently set operating mode
33	*T-ON* and *T-OFF* indication	Indication of the timer functions *T-ON*: Automatic switch-on activated *T-OFF*: Automatic switch-off activated
34	Temperature unit indication	Indicates the currently set temperature unit (degrees Celsius or Fahrenheit)
35	*Transmission* indication	Displayed during communication between device and remote control

Switching the device on

1. Allow the device to rest for a time.
2. Once you have completely installed the device as described in the Start-up chapter, you can switch it on.
3. Press the *ON/OFF* button (17).
4. Select the desired operating mode.

The device switches off automatically when the condensation tray is full. The *water filling level* LED (12) is illuminated.

Setting the operating mode

The device has the following operating modes:

- automatic operation
- cooling
- dehumidification
- ventilation

Automatic operation

In *automatic operation* mode the *cooling* process will be regulated depending on the ambient temperature and a preset target temperature.

This setting can be made using the remote control.

1. Press the *MODE* button (21) until the arrow of the *AUTO mode* indication (32) appears on the remote control.
2. Set the desired fan speed using the *FAN* button (25).
   ⇨ The *fan speed* indication (29) indicates the selected fan stage.

Cooling

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

1. Press the *MODE* button (20) until the LED for *cooling operation* (13) is illuminated.
   ⇨ *Cooling* mode is selected.
   ⇨ The target temperature is indicated on the segment display (14).
2. Select the desired target temperature by use of the *Plus* (18) or *Minus* (19) buttons. Temperatures between 16 °C and 30 °C can be selected.
   ⇨ The desired target temperature is indicated on the segment display (14).

Dehumidification

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

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

Info

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

1. Press the *MODE* button (20) until the *dehumidification* LED (15) is illuminated.
   ⇨ *Dehumidification* mode is selected.
   ⇨ The temperature and the fan stage are preset in this operating mode and cannot be changed.

Info

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

Ventilation

Info

Remove the exhaust air hose during *ventilation*.

In *ventilation* mode the room air is circulated, but not cooled.

1. Press the *MODE* button (20) until the *ventilation* LED (16) is illuminated.
   ⇨ *Ventilation* mode is selected.
   ⇨ The current room temperature is indicated on the segment display (14).
2. Press the *FAN* button (25) to set the desired fan stage.
   ⇨ The *fan speed* indication (29) indicates the selected fan stage.
   ⇨ The *ventilation* LED (16) will be illuminated to indicate ventilation mode.

Setting the timer

The timer has two modes of operation:

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

This setting can only be made using the remote control.

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

The number of hours can be set in increments of 0.5 hours (0.5 h to 24 h).

Note

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

Automatic switch-on

✓ The device is switched off.

1. Press the *TIMER* button (23) until the arrow of the *T-ON* indication (33) flashes on the remote control.
2. Select the desired number of hours by use of the *Plus* (18) or *Minus* (19) buttons.
3. Press the *TIMER* button (23) again to save the setting.

⇨ The number of hours will be indicated on the segment display (31) for approx. 5 s.
⇨ The arrow of the *T-ON* indication (33) appears on the remote control.
⇨ The timer setting equals the desired number of hours.
⇨ After the predefined time, the device switches itself on.

Notes regarding automatic switch-on:

- If the device is disconnected from the power supply, all settings for automatic switch-on are deleted.
- Manually switching the device on disables the automatic switch-on function.
- If you select **0** hours, the timer will be off.

Automatic switch-off

✓ The device is switched on.

1. Press the *TIMER* button (23) until the arrow of the *T-OFF* indication (33) flashes on the remote control.
2. Select the desired number of hours by use of the *Plus* (18) or *Minus* (19) buttons.

⇨ The number of hours will be indicated on the segment display (31) for approx. 5 s.
⇨ The arrow of the *T-OFF* indication (33) appears on the remote control.
⇨ The timer setting equals the desired number of hours.
⇨ After the predefined time, the device switches itself off.

Notes regarding automatic switch-off:

- Pressing the *ON/OFF* button (17) deactivates the automatic switch-off function.

Deleting the timer

1. Press the *TIMER* button (23).
   ⇨ The remaining time is indicated on the display.
2. Press the *TIMER* button (23) again within 5 s to delete the timer setting.

Night mode

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 2 hours the preset temperature will be increased by 2 °C. Then the temperature is kept constant.
- 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 (24).
   ⇨ The arrow of the *SLEEP* indication (27) appears on the remote control.
3. In order to switch the night mode off, press the *SLEEP* button (24) once again.
   ⇨ The arrow of the *SLEEP* indication (27) disappears.
   ⇨ The selected operating mode remains active.

Key lock (remote control only)

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

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

1. Simultaneously press the *plus / minus* buttons (18, 19) on the remote control.
   ⇨ The key lock is activated. The remote control cannot send signals to the device.
   ⇨ The arrow of the *LOCK* indication (28) can be seen on the remote control's display (21).
2. Simultaneously press the *plus / minus* buttons (18, 19) once more.
   ⇨ The key lock is deactivated.
   ⇨ The arrow of the *LOCK* indication (28) on the remote control's display (21) disappears.

Memory function

If you switch the device back on from standby mode, the previously selected operating mode and fan stage are saved.

Shutdown

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

- Switch off the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Empty the condensation tray if necessary.
- If necessary, remove the condensation drain hose and any residual fluid from it.
- Clean the device according to the Maintenance chapter.
- Store the device according to the Storage chapter.

Errors and faults

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

The device does not start:

- Check the power connection.
- Check the power cable and mains plug for damages.
- Check the on-site fusing.
- Observe the operating temperature according to the Technical data chapter.
- The condensation tray may be full. Empty the condensation tray if necessary. The *water filling level* LED (12) must not be illuminated.
- Wait for 10 minutes before restarting the device. If the device is not starting, have the electrics checked by a specialist company or by Trotec.

The device works with reduced or no cooling capacity:

- Check whether *cooling* mode is selected.
- Check the proper fit of the exhaust air hose. In case of kinks, bends or blockage in the hose, exhaust air cannot be discharged. Clear the way for the exhaust air.
- Check the position of the ventilation flaps. They should be opened to the maximum.
- Check the air filter(s) for dirt. If necessary, clean or replace the air filter(s).
- Check the minimum distance to walls or other objects. Position the device a little more in the room's centre if required.
- Check whether any windows and/or doors of the room are open. If so, close them. 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 will not switch on unless the respective temperature is reached.
- The compressor may start up with a delay of 3 min, as it is provided with an internal protection against direct restart.

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

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

The device does not respond to the infrared remote control:

- Check whether the distance between remote control and device is too large and reduce it if necessary.
- Make sure there are no obstacles, such as furniture or walls, between the device and the remote control. Ensure visual contact between device and remote control.
- Check the charging status of the batteries and change them if required.
- If the batteries have only just been changed, check them for correct polarity and change them if required.
- After a longer period of non-use, the remote control will switch to standby mode. Standby mode can be terminated by pressing the *ON/OFF* button (17) on the remote control.

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

Your device still does not operate correctly after these checks?

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

Error codes

The following error messages can be displayed on the segment display (14):

Error code	Indication	Fault	Cause	Remedy
F1	LED for *cooling operation* (13) lights up briefly in a 3-second cycle	Temperature sensor for ambient temperature	The terminals at the temperature sensor for the ambient temperature and at the mainboard are loose or have no contact	Contact Trotec
			Short circuit at the mainboard	
			Temperature sensor for the ambient temperature defective	
			Mainboard defective	
F2	LED for *cooling operation* (13) lights up briefly twice in a 3-second cycle	Temperature sensor for the evaporator	The terminals at the temperature sensor for the evaporator and at the mainboard are loose or have no contact	Contact Trotec
			Short circuit at the mainboard	
			Temperature sensor for the evaporator defective	
			Mainboard defective	
F4	LED for *cooling operation* (13) lights up briefly four times in a 3-second cycle	Temperature sensor for the condenser	The terminals at the temperature sensor for the condenser and at the mainboard are loose or have no contact	Contact Trotec
			Short circuit at the mainboard	
			Temperature sensor for the condenser defective	
			Mainboard defective	
E5	*ON/OFF* button (17) lights up briefly five times in a 3-second cycle	Overvoltage protection	The power supply is unstable and deviates from the values on the nameplate by more than 10 %	Connect the device to a power supply conforming to the data on the nameplate.
			Power supply is too low or load is too high	Disconnect unnecessary loads in the same grid from the power supply.
			Voltage at the mainboard is higher than the overvoltage protection value	Contact Trotec
			The inside of the device is heavily contaminated	Contact Trotec
			Air inlet or air outlet is blocked	Remove any foreign objects and dirt from the air inlet and outlet. Observe the minimum distances specified in the technical data.
			The fan does not run or runs too slowly	Contact Trotec
			Compressor malfunction: Temperature at the housing is very high, compressor makes unusual noises or refrigerant leaks	Disconnect the device from the power supply and contact Trotec.
			The system is blocked on the inside	Contact Trotec
H8	Acoustic signal 8 x in quick succession	Condensate overflow protection	Too much condensate has accumulated in the device	Discharge condensate, see chapter Maintenance

Error code	Indication	Fault	Cause	Remedy
F0	n. a.	Refrigerant leakage protection	The inside of the device is heavily contaminated	Contact Trotec
			Air inlet or air outlet is blocked	Remove any foreign objects and dirt from the air inlet and outlet. Observe the minimum distances specified in the technical data
			Compressor malfunction: Temperature at the housing is very high, compressor makes unusual noises	Contact Trotec
			The system is blocked on the inside	Contact Trotec
			Refrigerant leaks	Contact Trotec
H3	n. a.	Compressor overload protection	The inside of the device is heavily contaminated	Contact Trotec
			Air inlet or air outlet is blocked	Remove any foreign objects and dirt from the air inlet and outlet. Observe the minimum distances specified in the technical data
			The fan does not run or runs too slowly	Contact Trotec
			Compressor malfunction: Temperature at the housing is very high, compressor makes unusual noises or refrigerant leaks	Contact Trotec
			The system is blocked on the inside	Contact Trotec
			Pump does not operate or condensate cannot be discharged	Contact Trotec
			The rubber stopper at the condensate outlet is not properly attached	Check the rubber stopper for tight fit
			Refrigerant leaks	Contact Trotec
E8	n. a.	Overload malfunction	The inside of the device is heavily contaminated	Contact Trotec
			Air inlet or air outlet is blocked	Remove any foreign objects and dirt from the air inlet and outlet. Observe the minimum distances specified in the technical data
			The fan does not run or runs too slowly	Contact Trotec
			Compressor malfunction: Temperature at the housing is very high, compressor makes unusual noises or refrigerant leaks	Contact Trotec
			The system is blocked on the inside	Contact Trotec
			The temperature sensor on the mainboard cannot determine temperature	Contact Trotec

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 the air inlets and outlets for dirt and foreign objects and clean if necessary	X			X		
Clean the exterior		X				X
Visually check the inside of the device for dirt		X				X
Check the air filter for dirt and foreign objects and clean or replace if necessary	X		X			
Replace 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																
Clean the exterior																
Visually check the inside of the device for dirt																
Check the air filter for dirt and foreign objects and clean or replace if necessary																
Replace the air filter																
Check for damage																
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.
- Hold onto the mains plug while pulling the power cable out of the mains socket.

Warning of electrical voltage

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

Refrigerant circuit

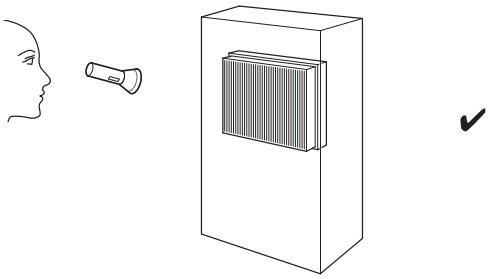
- The entire refrigerant circuit is a maintenance-free, hermetically sealed system and may only be maintained or repaired by specialist companies for cooling and air-conditioning or by Trotec.

Cleaning the housing

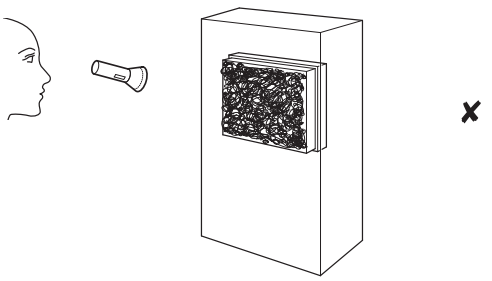
Clean the housing with a soft, damp and lint-free cloth. Ensure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

Visual inspection of the inside of the device for dirt

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



✔



✘

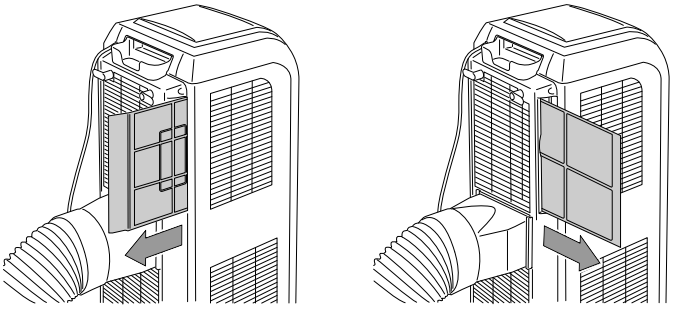
Cleaning the air filter

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

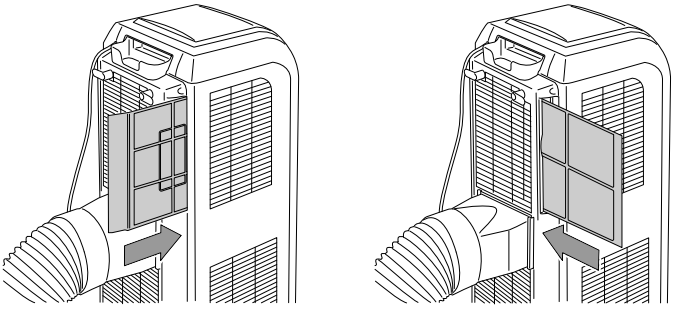
Warning

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

1. Remove the air filters from the device.



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



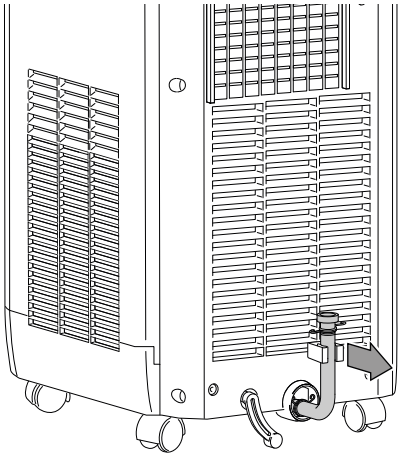
Condensate discharge (manual draining)

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

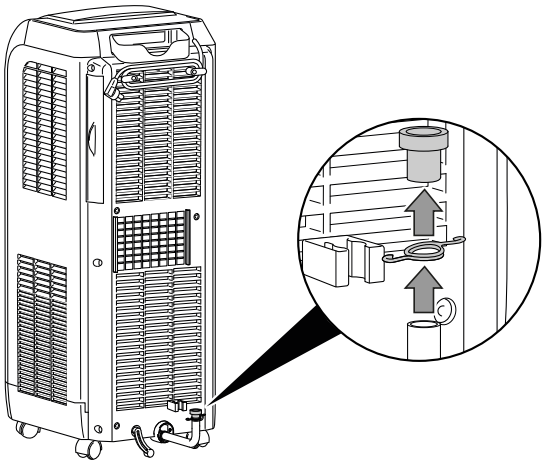
The remaining condensate is collected in a container within the housing. The condensate ought to be drained regularly.

If too much condensate accumulates, the device switches off and indicates this by displaying the error code H8 on the segment display (14). In addition, a brief acoustic signal is emitted 8 times.

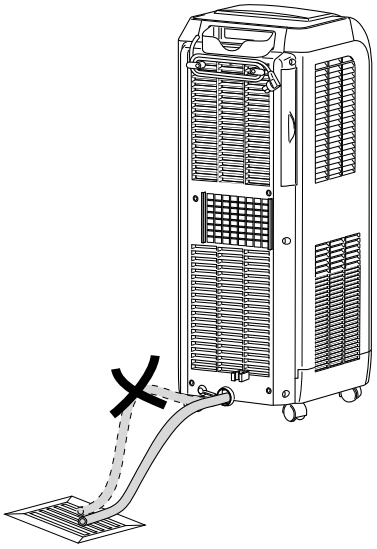
1. Carefully transport or wheel the device to a suitable location for discharging the condensate (e.g. a drain) or position a suitable collection container under the condensate outlet.
2. Pull the condensation drain hose out of the retaining clip.



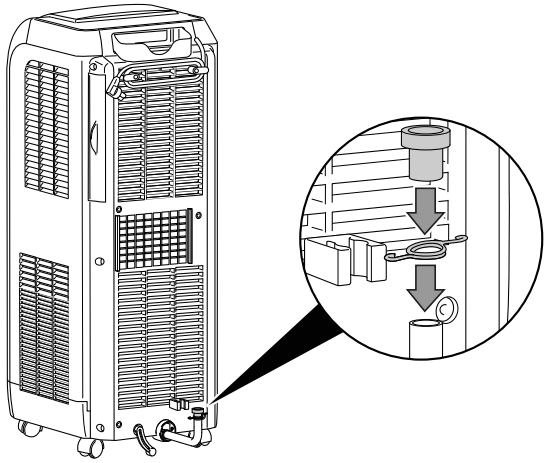
3. Remove the rubber stopper from the condensation drain hose.



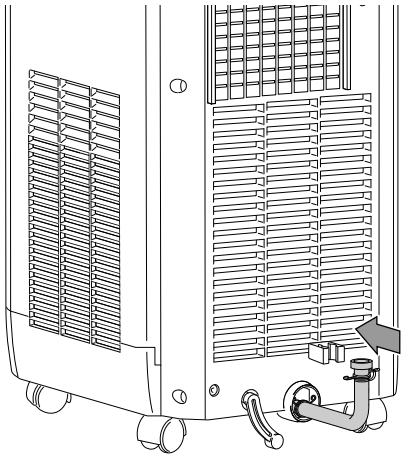
4. Drain the condensate.
   ⇨ The error code will disappear as soon as the condensate has been drained.



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



6. Reattach the condensation drain hose to the retaining clip.



Activities required after maintenance

If you want to continue using the device:

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

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

- Store the device according to the Storage chapter.

Technical annex

Technical data

Model	PAC 2000 E
Cooling capacity	2.05 kW
Dehumidification performance	0.75 l/h
Operating temperature	16 °C to 35 °C
Temperature setting range	16 °C to 30 °C
Max. air volume flow	330 m^3/h
Power supply	1/N/PE~ 230 V / 50 Hz
Nominal current	4.9 A
Power input (cooling operation)	0.95 kW
Sound pressure level	54 dB(A)
Refrigerant	R-410A
Amount of refrigerant	480 g
GWP factor	2,087.5
CO_2 equivalent	1 t
Dimensions (length x width x height)	375 x 300 x 807 mm
Minimum distance to walls and other objects: top (A): rear (B): sides (C): front (D):	 30 cm 30 cm 30 cm 30 cm
Weight	24 kg
Remote control batteries	Type LR03 / AAA – 1.5 V (2 pcs.)

Disposal

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

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

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

Further information is provided on the nameplate.

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

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

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