PAC 3500 E

EN

OPERATING MANUAL
LOCAL AIR CONDITIONER

TRT-BA-PAC3500E-TC-001-EN

TROTEC

table of contents

Notes regarding the operating manual

Symbols

Hazardous electric current!
Warns about hazards from electric current which can lead to injuries or even death.

Danger!
Warns of a hazard which can lead to personal injury.

Caution!
Warns of a hazard which can lead to property damage.

The current version of the operating manual can be found at:

PAC 3500 E

http://download.trotec.com/?sku=1210002103&id=1

Legal notice

Warranty and liability

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

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

When making a warranty claim, supply the device number (see the rear of the device).

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

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

Safety

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

- 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. Defective power cables pose a serious health risk.
- Observe the storage and operating conditions (see chapter Technical data).
- Ensure that the air inlet and outlet are not obstructed.
- Ensure that the side of the device where the air inlet is found is kept free of dirt and loose objects.
- Only transport the device in an upright position with an emptied condensation tank or drain hose.
- Discharge the collected condensate before transport and storage. Do not drink it. Health hazard!

Intended use

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

Improper use

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

Personnel qualifications

People who use this device must:

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

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

Residual risks

Hazardous electric current!
Work on the electrical components must only be carried out by an electrically skilled person or an authorised specialist company.

Hazardous electric current!
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.

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

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

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

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

Behaviour in the event of an emergency

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

Information about the device

Device description

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

In *ventilation* mode the device also 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.

Handling the device can be accomplished via the control panel at the device or the supplied infrared remote control.

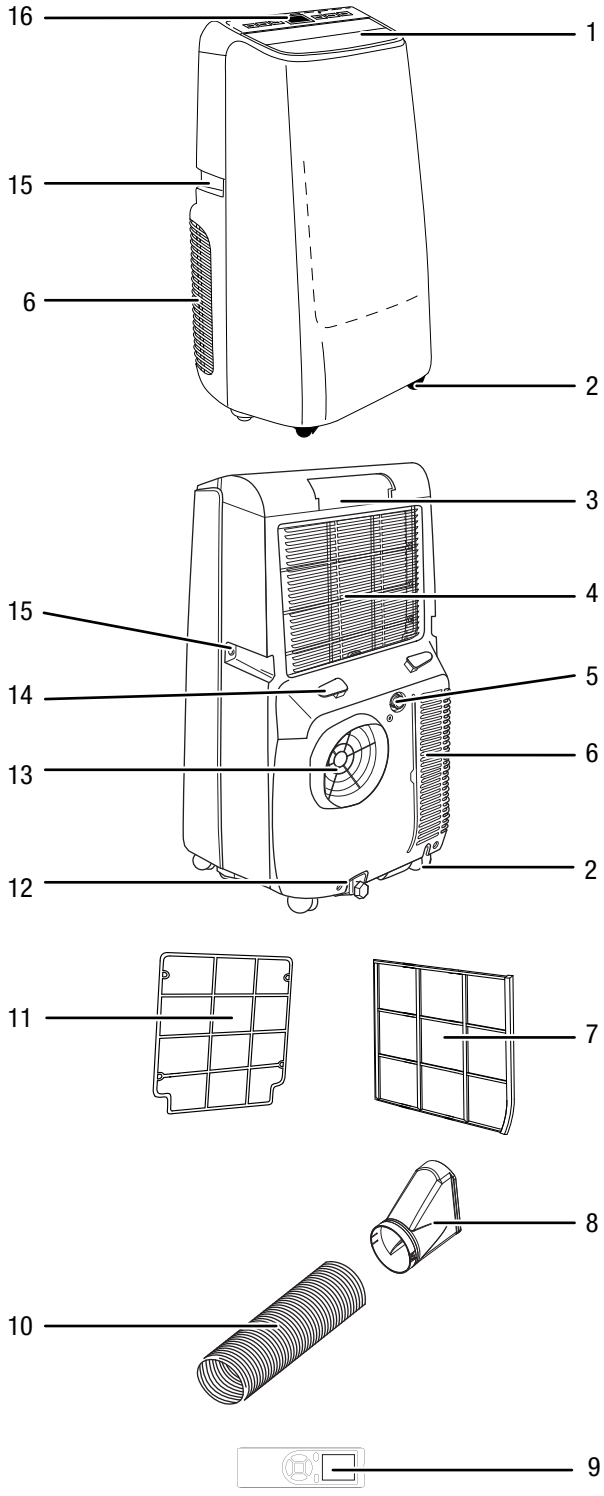
The device was designed for universal and flexible application.

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

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

Device depiction



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

Transport and storage

Transport

Before transporting the device, proceed as follows:

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

After transporting the device, observe the following:

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

Storage

Before storing the device, proceed as follows:

- Drain the remaining condensate from the device and the condensation drain hose (see chapter Maintenance).

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

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

Assembly and installation

Scope of delivery

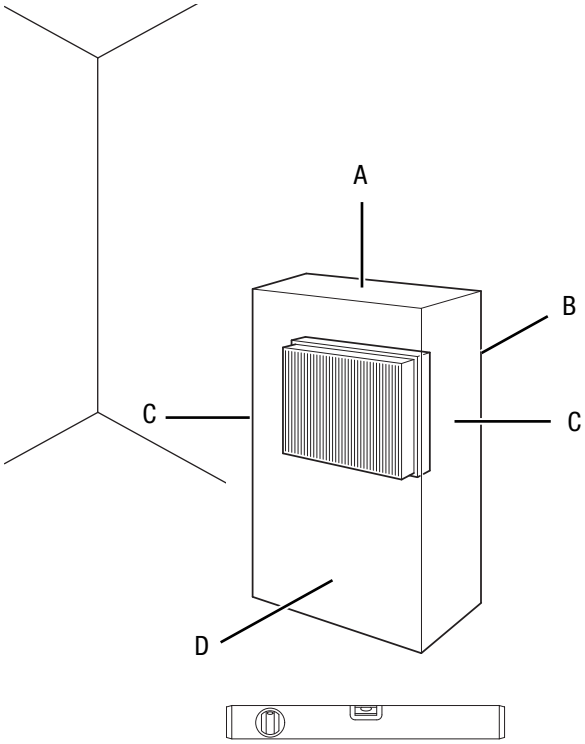
- Device
- Exhaust air hose
- EVA filter
- CON filter
- Insert for sliding window
- Shade for sliding window
- Remote control
- Flat nozzle
- Manual

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 chapter Technical Data.



- 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.

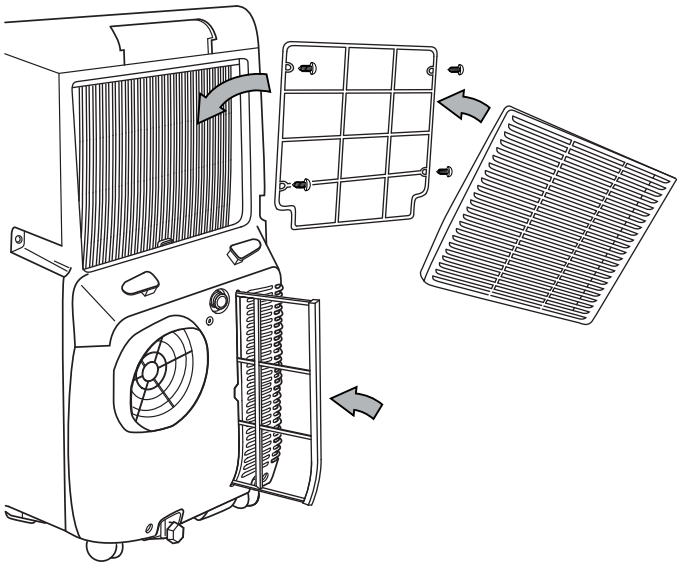
Prior to initial start-up, insert the batteries in the remote control.

Inserting the air filter

Caution!

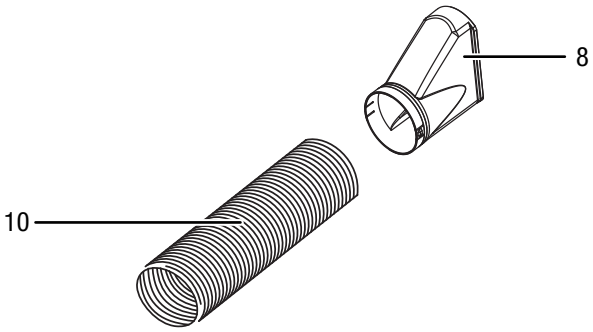
Do not operate the device without an inserted air filter! Without air filter the inside of the device will be heavily contaminated, this could reduce the dehumidification performance and result in damage to the device.

- Make sure that the EVA air filter and the CON air filter are installed before switching the device on.

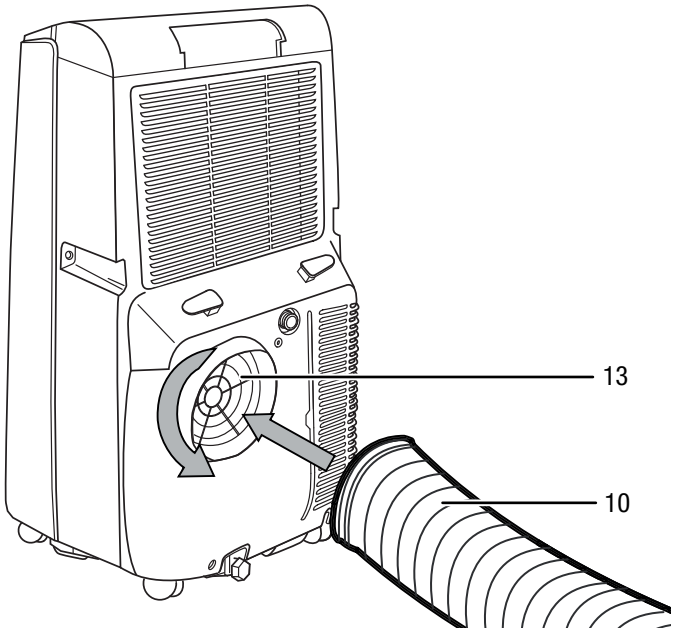


Connecting the exhaust air hose

1. Connect the flat nozzle (8) to one end of the exhaust air hose (10).



2. Screw the other end of the exhaust air hose (10) into the air conditioner's exhaust air hose connection (13) in the direction of the arrow (see figure below).



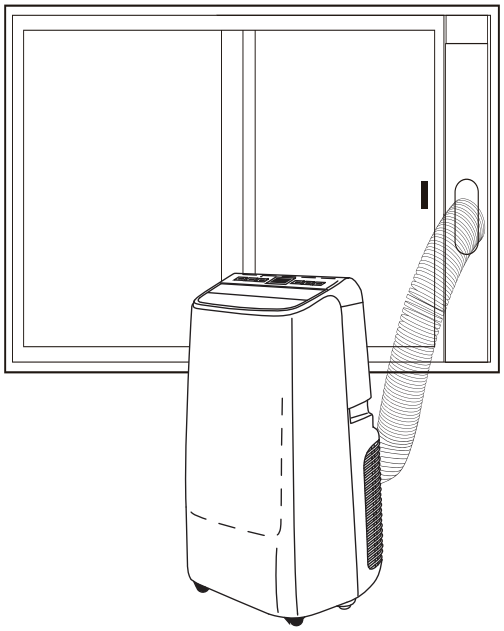
Discharging exhaust air

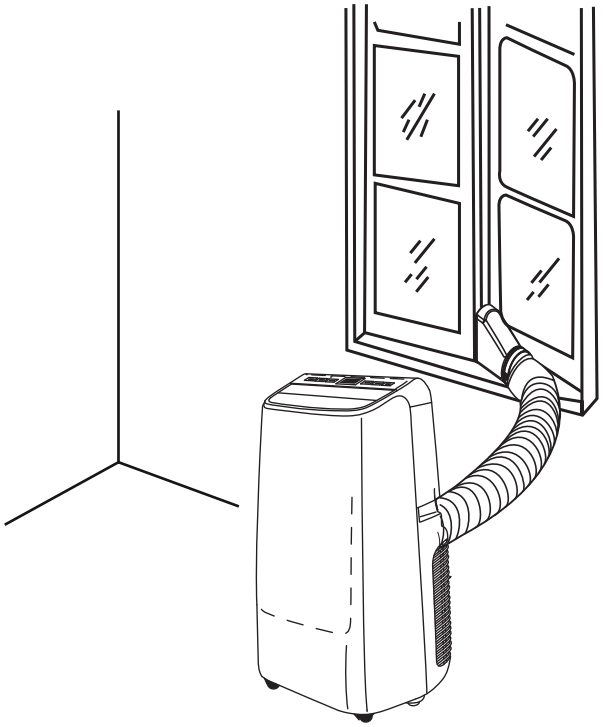
- The exhaust air coming from the device contains waste heat from the room to be cooled. For this reason it is advisable to discharge the exhaust air outside into the open air.
- The end of the exhaust air hose can be fed through the open window. If required, secure the open window with the corresponding means, so that the end of the exhaust air hose stays put.
- The end of the exhaust air hose can also be hooked into a tilted bottom-hung window.

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

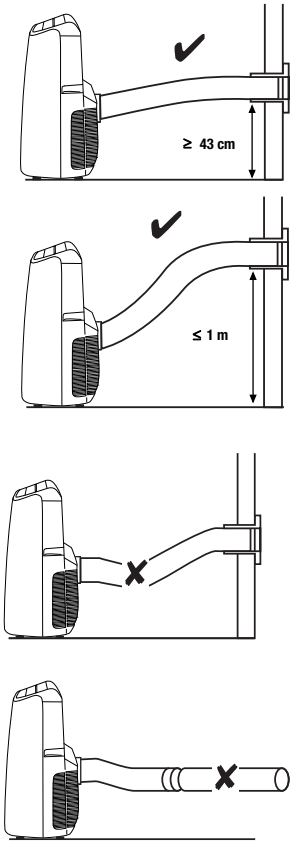
How to use the insert

- Affix the insert in the window gap and adjust the length as needed. If required, use the extension piece.
- Connect the flat nozzle to the insert.
- Connect the end of the exhaust air hose to the flat nozzle in the insert.
- Close the window until the insert is held securely.





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.

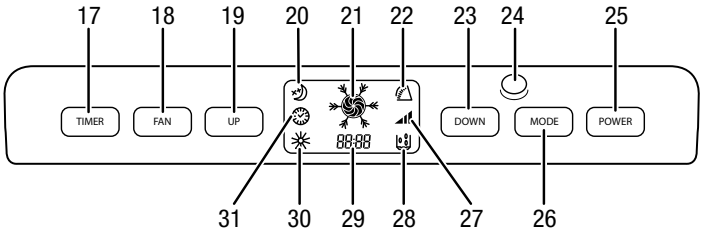
Connecting the power cable

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

Operation

- Avoid open doors and windows.

Operating elements



No.	Designation	Meaning
17	TIMER button	Switching the timer function on or off: 1 to 24 hours in increments of 1 h
18	FAN button	Setting the fan speed in 3 levels: high, medium and low
19	Increase value button (UP)	Increasing the target temperature for cooling: value range from 16 to 30 °C Increasing the number of hours for the timer: 1 to 24 hours in increments of 1 h
20	Night mode indication	Night mode active
21	*Cooling* and *ventilation* mode indication	Operating mode *cooling* or *ventilation* active
22	Swing function indication	Swing function active Control via remote control, SWING button (34)
23	Reduce value button (DOWN)	Reducing the target temperature for cooling: value range from 16 to 30 °C Reducing the number of hours for the timer: 1 to 24 hours in increments of 1 h
24	Remote control transmitter / receiver	Communication between device and remote control
25	POWER button	On/Off button: to switch the device on or off
26	MODE button	selection button for the mode of operation
27	Fan speed indication	Low = ◢ Medium = ◢◧ High = ◢◧▌
28	*Dehumidification* mode indication	Operating mode *dehumidification* active
29	Segment display	Display of current room temperature Display of target temperature while setting it Display of timer Display of error codes
30	Automatic defrost indication	Automatic defrost active
31	TIMER indication	Timer function active

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 POWER button (25).
   ⇨ The device switches on.
4. Select the desired operating mode.

The device switches off automatically when the condensation tank is full. *FL* appears in the segment display (29) and an acoustic signal is emitted.

Cooling

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

The fan speed can be set as required, see Ventilation chapter.

1. Press the MODE button (26) until the *cooling* mode indication (21,) appears on the display.
2. Press the UP button (19) for increasing or the DOWN button (23) for reducing the temperature to set the desired target temperature.
   ⇨ The target temperature is indicated on the segment display (29).

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.

Note:
The compressor only starts at a room temperature of ≥ 15 °C.

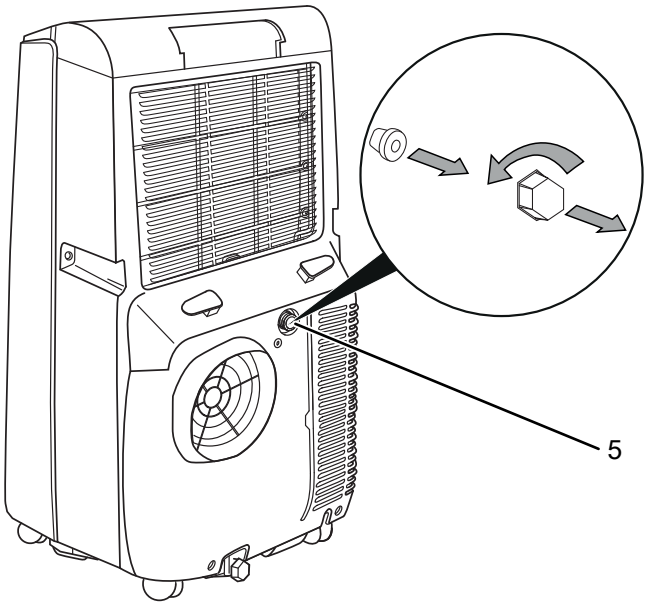
1. Press the MODE button (26) until the *dehumidification* mode indication (28,) appears on the display.
   ⇨ The current room temperature is indicated on the segment display (29).

Note on cooling and dehumidification

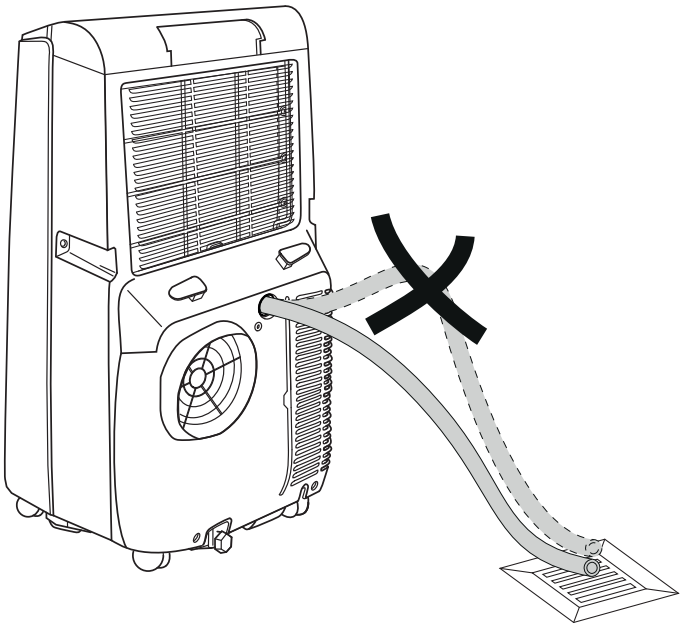
If the device is operated in a very humid environment, the condensation tank must be emptied at regular intervals (see Emptying the condensation tank in the Maintenance chapter).

If you use the device for an extended period of time or you do not want to empty the tank all the time, you can connect a condensation drain hose to the hose connector for continuous condensate discharge.

1. Switch the device off.
2. Hold onto the mains plug while pulling the power cable out of the mains socket.
3. Carefully transport or wheel the device to a suitable location for discharging the condensate (e.g. a drain) or provide a suitable collection container.
4. Unscrew the sealing cap from the hose connector (5).
5. Remove the rubber stopper from the hose connection.



6. Connect a suitable hose (Ø = 13 mm) to the hose connector. Check the hose for tight fit.
7. Lead the hose to a drain or sufficiently dimensioned collection container. To ensure that the condensate can run off, the hose must not be kinked, nor should it have to overcome an uphill incline towards the drain.



8. Insert the mains plug into a properly secured mains socket.
9. Switch the device on.

Ventilation

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

Possible fan speed settings are:

- low fan speed = ◢
- medium fan speed = ◢▮
- high fan speed = ◢▮▮

1. Press the MODE button (26) until the *ventilation* mode indication (21,) appears on the display.
2. Press the FAN button (18) to set the desired fan speed.
   ⇨ The selected fan speed (27) is displayed.
   ⇨ The current room temperature is indicated on the segment display (29).

Setting the timer

The timer has two modes of operation:

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

The number of hours can be between 1 and 24 and can be adjusted in increments of 1 h.

Automatic switch-on

1. Switch off the device.
2. Press the TIMER button (17).
3. Press the UP (19) or DOWN button (23) until the desired number of hours is displayed.
   ⇨ The number of hours flashes on the segment display (29).
4. Wait for approx. 5 seconds in order to save the setting.

⇨ The TIMER indication (31) appears on the display.
⇨ The timer setting equals the desired number of hours.
⇨ The hours are indicated on the segment display (29).
⇨ The device starts in the previously selected operating mode after the set time has elapsed.

Notes regarding automatic switch-on:

- The settings are retained even if the power supply is disconnected.
- 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 (17).
2. Press the UP (19) or DOWN button (23) until the desired number of hours is displayed.
   ⇨ The number of hours flashes on the segment display (29).
3. Wait for approx. 5 seconds in order to save the setting.

⇨ The display changes back to the previous indication.
⇨ The TIMER indication (31) appears on the display.
⇨ The timer setting equals the desired number of hours.
⇨ The device switches off after the set period of time.

Night mode

Night mode can only be activated in *cooling* mode. Night mode comes with the following settings:

- After 2 hours the preset temperature is increased by 1 °C.
- After another 2 hours the temperature is again increased by 1 °C, thus the preset temperature is increased by a total of 2 °C within 4 hours. Afterwards, the temperature is kept at this value.
- The fan speed is automatically lowered to the the min. level and cannot be changed manually.
- The swing function can be switched on via the remote control if required.

To deactivate night mode, please proceed as follows:

1. Press the MODE button (26) until the *cooling* mode indication (21,) appears on the display.
2. Simultaneously press the TIMER (17) and FAN (18) buttons.
   ⇨ The night mode indication (20) appears on the display.
   ⇨ The fan speed is automatically adjusted to the lowest level.
3. In order to switch the night mode off, press the TIMER (17) and FAN (18) buttons once again.
   ⇨ The night mode indication (20) disappears.
   ⇨ Fan speed and temperature will return to the level that was set before night mode was activated.

Changing the unit °C / °F

The temperature in the segment display (29) can be indicated in °C or °F.

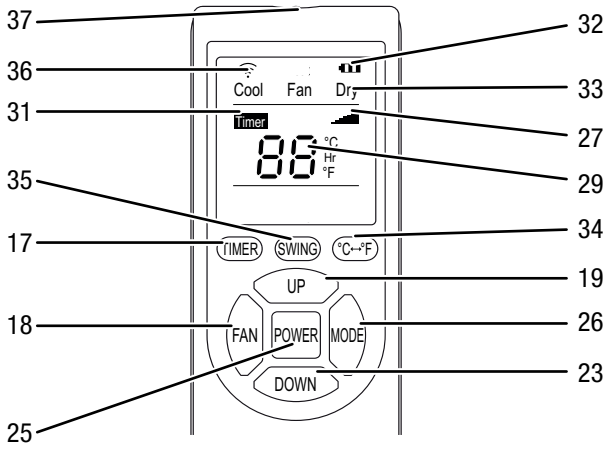
Please proceed as follows to change the temperature unit:

1. Simultaneously press the UP (19) and DOWN (23) buttons. Alternatively, you can press the °C / °F button (34) on the remote control.

⇨ The displayed temperature is converted to the other unit.

Remote control

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



No.	Designation	Meaning
17	TIMER button	Switching the timer function on or off, 1 to 24 hours in increments of 1 h
18	FAN button	Setting the fan speed in 3 levels: high, medium and low
19	Increase value button (UP)	Setting the target temperature for cooling: value range from 16 to 30 °C Setting the number of hours for the timer: 1 to 24 hours in increments of 1 h
23	Reduce value button (DOWN)	
25	POWER button	On/Off button: Switching the device on or off
26	MODE button	Selection button for the mode of operation
27	Fan speed indication	Low = Medium = High =
29	Segment display	Display of current room temperature when in operation Display of target temperature while setting it Display of timer Display of error codes
31	TIMER indication	Timer active
32	Battery indication	Charging status of the batteries for the remote control
33	Operating mode indication	Cool = *cooling* Fan = *ventilation* Dry = *dehumidification*
34	°C / °F button	Switching temperature indication between °C and °F
35	SWING button	Adjusting the position of the ventilation flaps
36	Transmitter indication	Indicates transmission to the device when the button is pressed
37	Remote control transmitter / receiver	Communication between device and remote control

Note:
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 on the remote control Please note that the device automatically takes over the current settings from the remote control.

Swing function

The swing function can only be activated via the remote control.

Using the swing function, you can adjust the position of the ventilation flaps or activate continuous movement of the ventilation flaps.

1. Press the SWING button (35).
   ⇨ The ventilation flaps move up and down continuously.
2. Press the SWING button (35) again to stop the ventilation flaps in a certain position and to switch off the swing function.

Automatic defrost

At low ambient temperatures, ice may form at the evaporator. The device will then carry out an automatic defrost. The automatic defrost indication (30) appears on the display and disappears again when automatic defrosting is finished.

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

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

Shutdown

Danger!
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 tank, if need be.
- 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 fuse (home).
- Observe the operating temperature according to the Technical data chapter.
- Check the filling level of the condensation tank and empty it, if necessary. The *FL* indication must not be shown on the segment display (29).
- 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 there are opened windows and/or doors of the room. Close these, if any. The window for the exhaust air hose has to remain open nonetheless.
- Check the temperature setting at the device. Reduce the set temperature if it is higher than the room temperature.

The device is loud or vibrates:

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

Condensate is leaking:

- Check the device for leaks.

The compressor does not start:

- Check whether the overheating protection of the compressor has tripped. Disconnect the device from the mains and let it cool down for approx. 10 minutes before reconnecting it.
- The compressor has a built-in protective function. After switch-off, a restart of the compressor is delayed for 3 minutes.
- In *dehumidification* mode, the compressor only starts at a room temperature of ≥ 15 °C.

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

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

The device does not respond to the infrared remote control:

- Check whether the distance between remote control and device is too large and reduce it, if necessary.
- Make sure there are no obstacles, such as furniture or walls, between the device and the remote control. Ensure visual contact between device and remote control.
- Check the charging status of the batteries and change them, if required.
- If the batteries have only just been changed, check them for correct polarity and change them if required.

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 codes can be displayed:

Error code	Cause	Remedy
FL	Condensation tank full	Discharge condensate (manual draining) according to the Maintenance chapter.
E1	Defective exhaust air temperature sensor	Disconnect the device briefly from the mains. Should the error still be displayed after the restart, please contact the customer service.
E2	Defective room temperature sensor	Disconnect the device briefly from the mains. Should the error still be displayed after the restart, 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
Empty condensation tank and drain hose		X				
Check the air inlets and outlets for dirt and foreign objects and clean if necessary	X			X		
Clean the exterior		X				X
Visually check the inside of the device for dirt		X				X
Check the air filter for dirt and foreign objects and clean or replace if necessary	X		X			
Replace air filter					X	
Check for damage	X					
Check the attachment screws		X				X
Test run						X

Maintenance and care log

Device type: .....

Device number: .....

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

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

Activities required before starting maintenance

Danger!
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.

Danger!

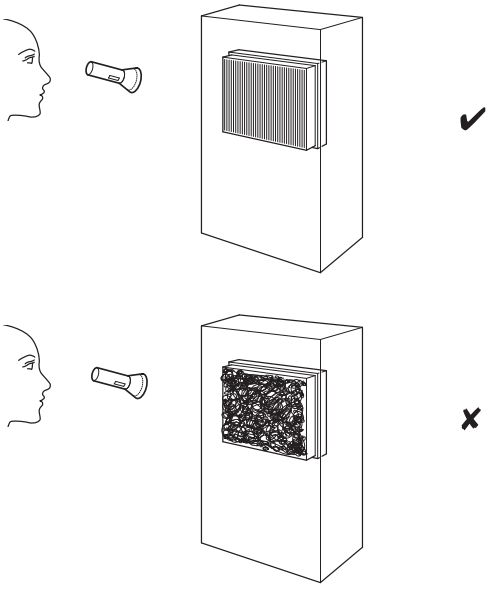
Maintenance tasks which require the housing to be opened must only be carried out by authorised specialist companies or by Trotec.

Cleaning the housing

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

Visual inspection of the inside of the device for dirt

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

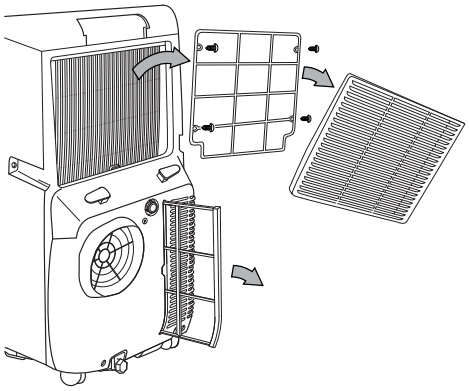


Cleaning the air filter

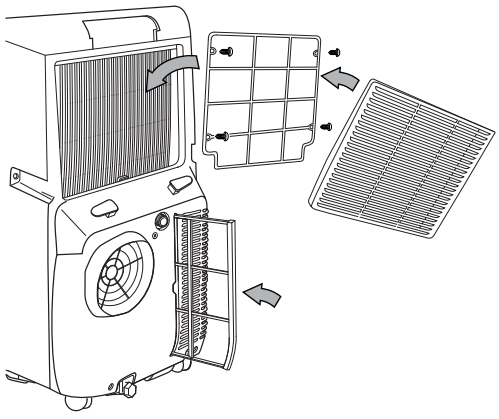
The EVA air filter and the CON air filter must be cleaned as soon as they are dirty. This is brought to light e.g. by a reduced capacity (see chapter Errors and faults).

Caution!
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 EVA air filter and the CON air filter from the device.



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



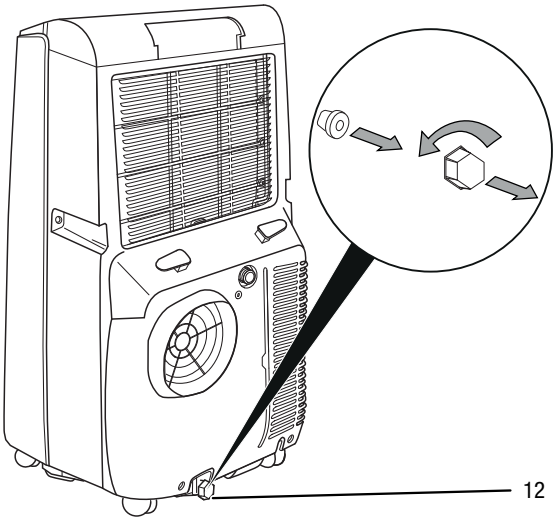
Condensate discharge (manual draining)

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

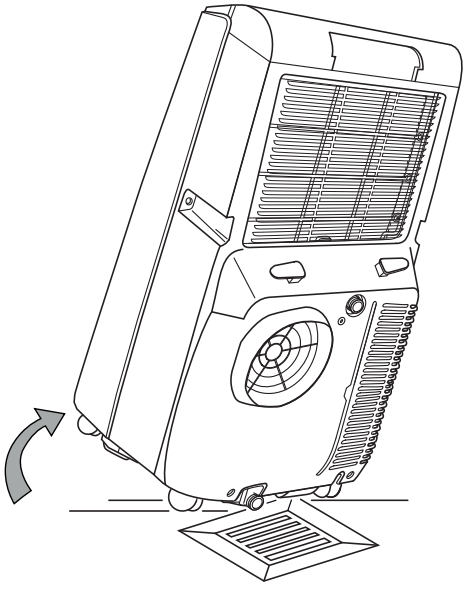
The remaining condensate is collected in a container within the housing. The condensate should be drained manually on a regular basis.

If too much condensate accumulates, the device switches off and indicates this via the *FL* indication on the segment display (29).

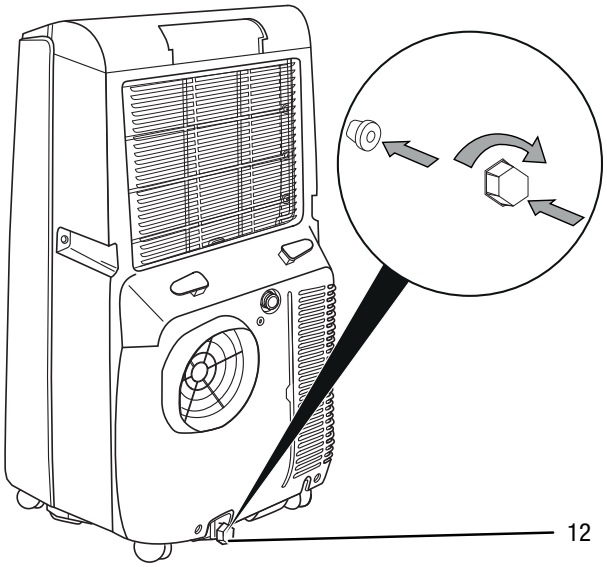
1. Carefully transport or wheel the device to a suitable location for discharging the condensate (e.g. a drain) or position a suitable collection container under the condensate outlet (12).
2. Unscrew the sealing cap from the condensate outlet (12).
3. Remove the rubber plug.



4. Slightly tilt or incline the device towards the drain or collection container.



5. Let the condensate run off completely.
6. Reattach the rubber stopper to the condensate outlet (12). Check the rubber plug for tight fit.
7. Screw the sealing cap onto the condensate outlet (12).



⇨ The *FL* indication on the segment display (29) will go out as soon as the condensate has been drained.

Refrigerant circuit

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

Activities required after maintenance

If you want to continue using the device:

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

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

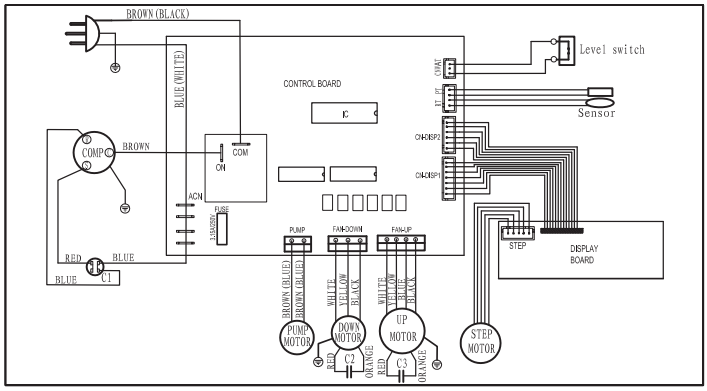
- Store the device according to the Storage chapter.

Technical annex

Technical data

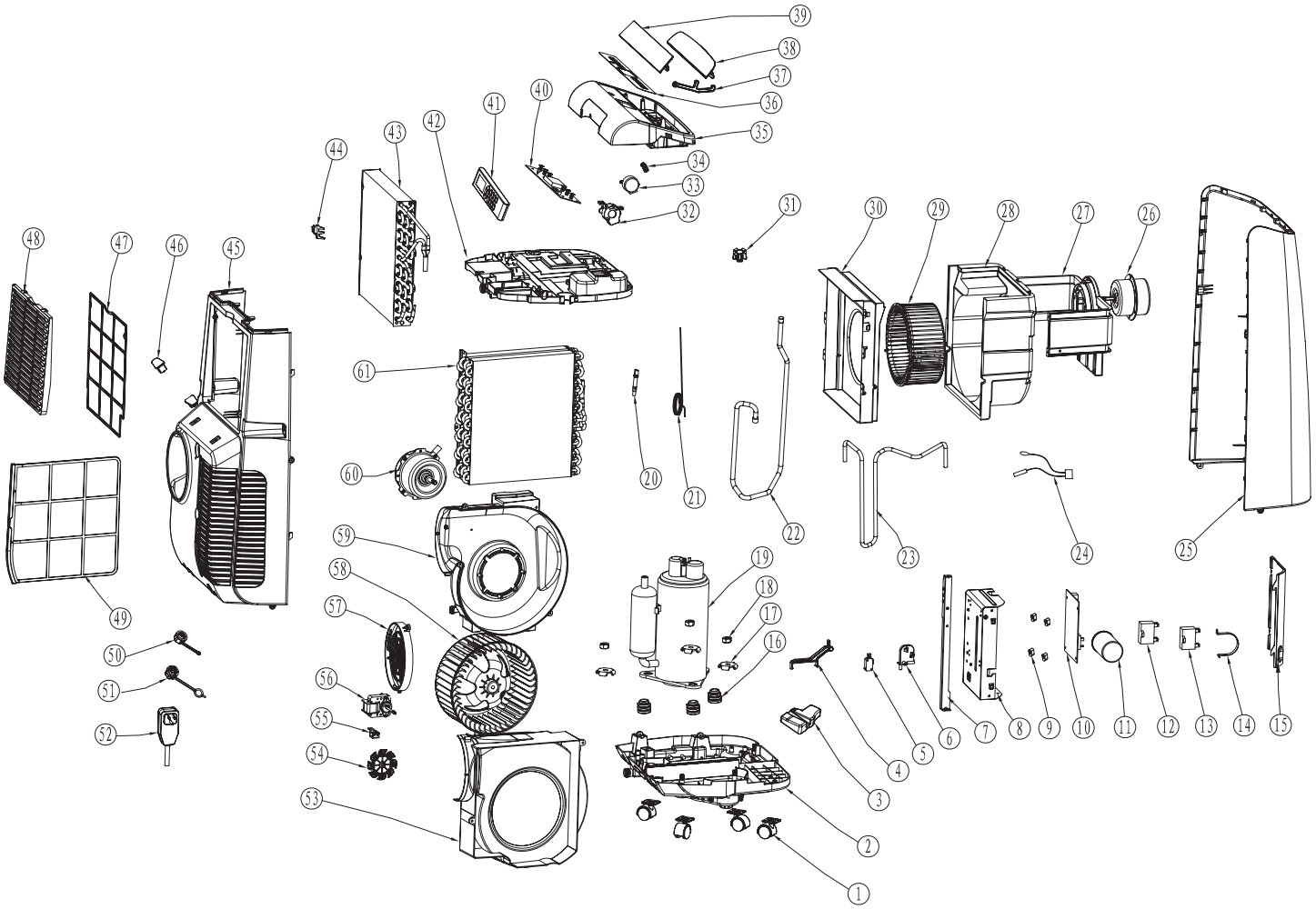
Parameter	Value
Model	**PAC 3500 E**
Cooling capacity	3.5 kW
Dehumidification performance	1.2 l/h
Operating temperature	7 to 35 °C
Temperature setting range	16 to 30 °C
Max. air volume flow	420 m^3/h
Mains connection	1/N/PE~ 230 V / 50 Hz
Nominal current	6 A
Power input	1.4 kW
Sound pressure level	56 dB(A)
Refrigerant	R410A
Amount of refrigerant	600 g
Weight	28 kg
Dimensions (width x height x depth)	430 x 730 x 360 (mm)
Minimum distance to walls and other objects: top (A): rear (B): sides (C): front (D):	 50 cm 50 cm 50 cm 50 cm

Wiring diagram



Spare parts drawing and list

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



No.	Spare part	No.	Spare part	No.	Spare part
1	Universal wheel	22	The suction pipe	43	Evaporator
2	Base pan	23	Delivery tube	44	Induction temperature head bracket
3	Floator	24	Sensor	45	The rear panel
4	Floater button	25	The front panel	46	Wrapping post
5	Water level switch	26	Blower motor	47	EVA filter
6	Switch stator	27	The motor bracket	48	EVA filter frame
7	The support frame	28	Before the upper air duct	49	CON filter
8	Electrical box base	29	Blowing wind wheel	50	The drain cover
9	Isolated column	30	After the upper air duct	51	The drain cover
10	Main control electric board	31	The positioning ring	52	Power cord
11	Compressor Capacitor	32	Stepper motor cover	53	lower air duct
12	Up fan capacitor	33	Stepper motor	54	Water wheel
13	Down fan capacitor	34	Rocker	55	Water motor bracket
14	Capacitance card	35	Cover	56	Water motor
15	The electric box cover	36	Facial mask	57	Safety net
16	Compressor mat	37	The connecting rod	58	The air exhaust wind wheel
17	Claw type gasket	38	The wind guide bar	59	lower air duct
18	Nut	39	The wind guide bar	60	Exhaust fan motor
19	Compressor	40	Display panel	61	Condenser
20	The four pass filter	41	Remote control		
21	Capillary	42	Baffle		

Disposal

In the European Union, electronic equipment must not be treated as domestic waste, but must be disposed of professionally in accordance with Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003 on waste electrical and electronic equipment (WEEE). At the end of its life, please dispose of this device according to the valid legal requirements.

The device uses an environmentally and ozone-neutral cooling agent (see Technical Data).

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

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