

# PAC 2600 E

# EN

**OPERATING MANUAL**

PORTABLE AIR  
CONDITIONER



 **TROTEC**  
AT WORK.



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## 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 damage to property.

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



PAC 2600 E



<http://download.trotec.com/?sku=1210002005&id=1>

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## 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 cases, entitlements to a warranty are then also forfeited.

## Safety

**Carefully read the operating manual before using the device and keep it within reach!**

- Do not use the device in potentially explosive rooms and do not install it there.
- Do not use the device in aggressive atmosphere.
- This appliance is not a toy! Do not leave the device running unattended with children nearby.
- Set the device in an upright and stable position.
- 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.
- Never reach or put objects into the device.
- Do not cover or transport the device during operation.
- Do not use the device with wet or damp hands.
- Ensure that all electric cables outside of the device are protected from damage (e.g. from animals). Never use the device if the cable or power connection is damaged!
- Only use extensions to the connecting cable which are appropriate to the device power consumption, the length of its cable and its use. Completely unroll extension cables. Avoid electrical overload.
- Pull the plug from the socket if the device is not in use.
- Unplug the device from the mains before starting with maintenance, service or repair work.

### Intended use

Only use the portable air conditioner PAC 2600 E for cooling, ventilating and dehumidifying room air indoors, while adhering to and following the technical data.

### Improper use

Do not place the portable air conditioner PAC 2600 E on damp or wet ground. Do not use the device outdoors. Do not place any objects, e.g. clothing, on the device.

Any unauthorised changes, modifications or alterations to the device are forbidden.

### Personnel qualifications

People who use this device must:

- be aware of the dangers that occur when using electric appliances.
- have read and understood the operating manual, especially the Safety chapter.

### Residual risks



#### **Hazardous electric voltage!**

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



#### **Hazardous electric voltage!**

Before any work on the device, remove the mains plug from the mains socket!



#### **Danger!**

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



#### **Caution!**

To avoid damages to the device, only operate the device with an inserted air filter!

### Behaviour in the event of an emergency

1. Disconnect the device from the mains power in an emergency.
2. Do not reconnect a defective device to the mains power.

## Information about the device

### Description of the device

The primary purpose of the device is room cooling. 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.

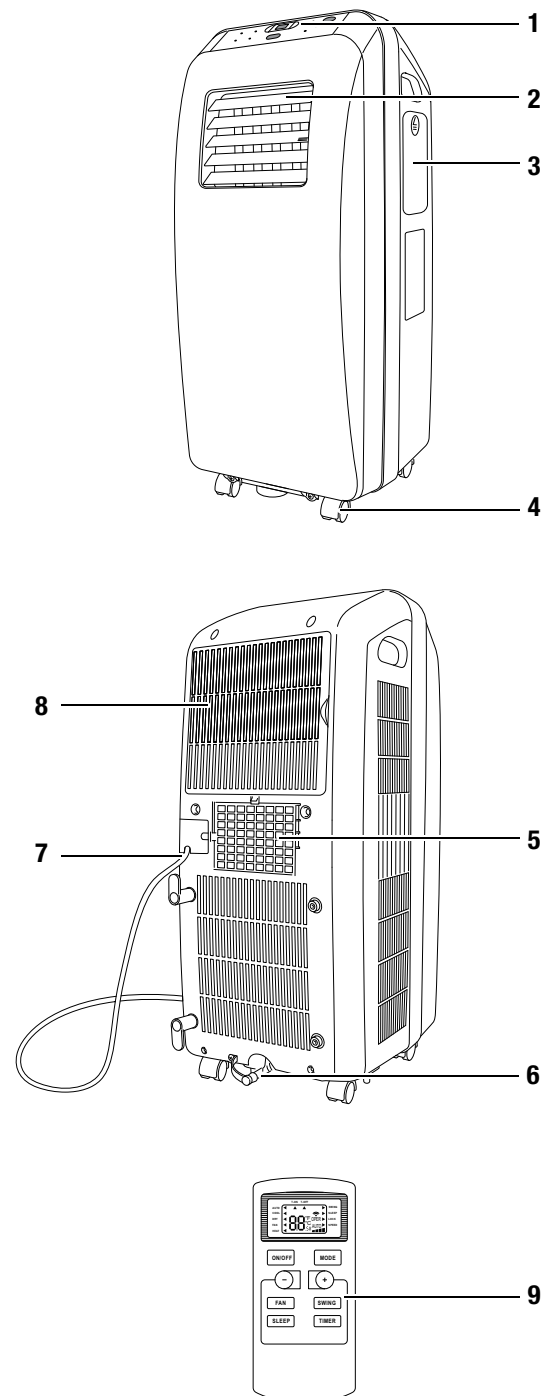
The device operates fully automatically and features further options, the device can, for instance, be switched on or off automatically with time delay via the timer function.

Handling the device can be accomplished via the control panel (1) at the device or the supplied infrared remote control (9).

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 air handling 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.

### Device depiction



No.	Operating element
1	Control panel
2	Air outlet with ventilation flaps
3	Compartment for remote control
4	Wheels
5	Exhaust air hose connection
6	Hose connection for drip protection
7	Mains power cable with holding fixture
8	Air inlet with air filter
9	Remote control

## Transport and storage

### Transport

To make the device easier to transport, it is fitted with wheel. Before transporting the device, proceed as follows:

1. Switch off the device.
2. Remove the mains plug from the mains socket. Do not use the power cable to drag the device!
3. Only wheel the device on a level and smooth surface.

### Storage

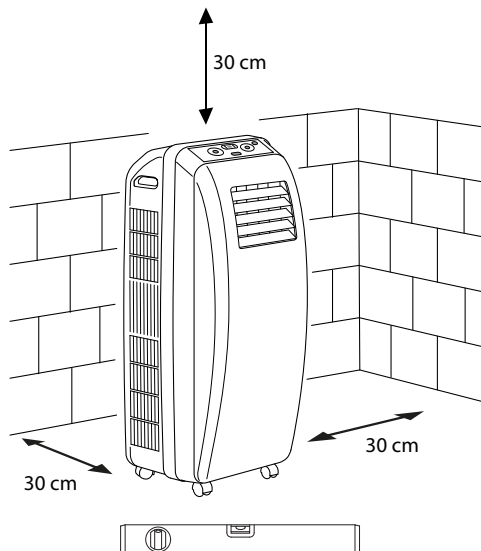
Drain any remaining condensate (see chapter Maintenance). When the device is not being used, observe the following storage conditions:

- dry,
- protected from dust and direct sunlight,
- with a plastic cover to protect it from invasive dust, if necessary.
- Remove the batteries from the remote control.

## Set-up and installation

### Installation of the device

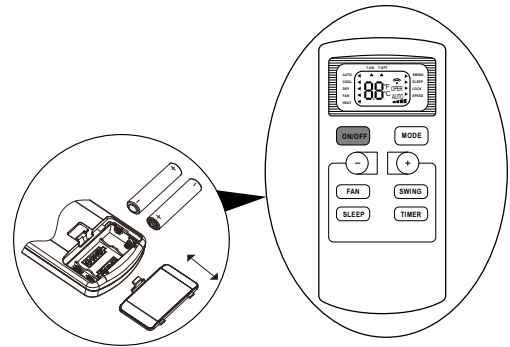
When positioning the device, observe the minimum distance from walls or other objects according to the technical data (see chapter Technical annex).



- Put the device up in a level, upright and stable position.
- Do not create tripping hazards when laying the power cable.
- Keep air inlets and outlets (2 and 8) as well as the exhaust air hose connection (5) free.

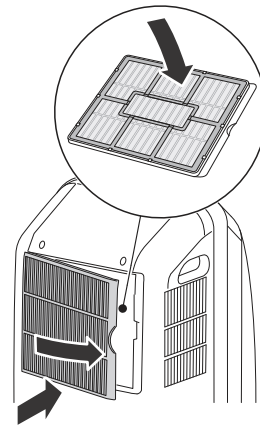
## Start-up

- Prior to initial start-up, insert the batteries (2 x type AAA) in the remote control:

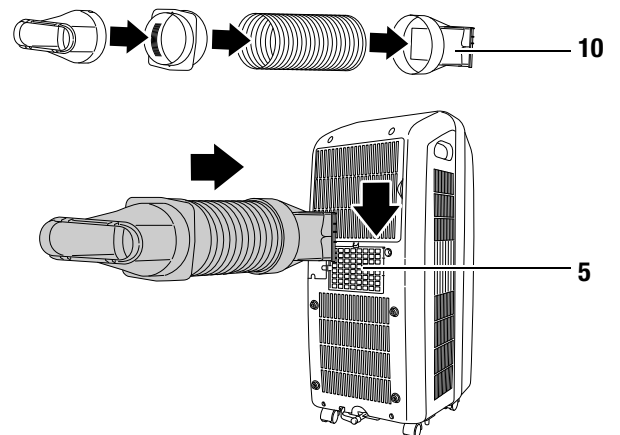


### Inserting the air filter

- Insert the air filter before first use:



### Connecting the exhaust air hose

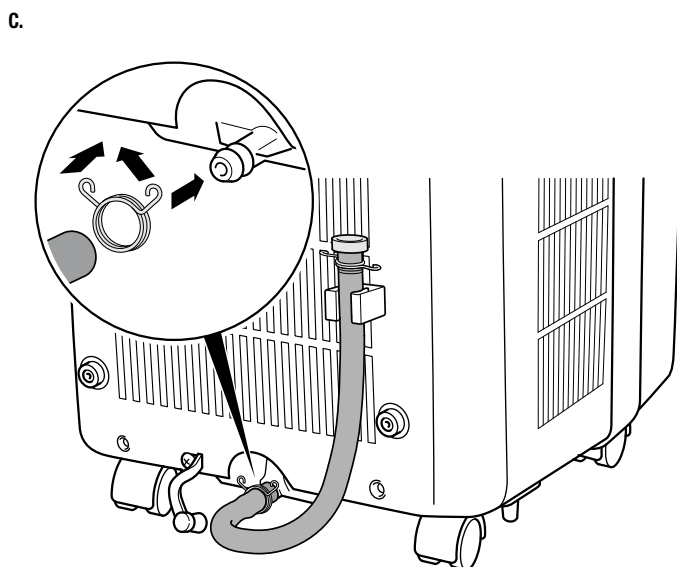
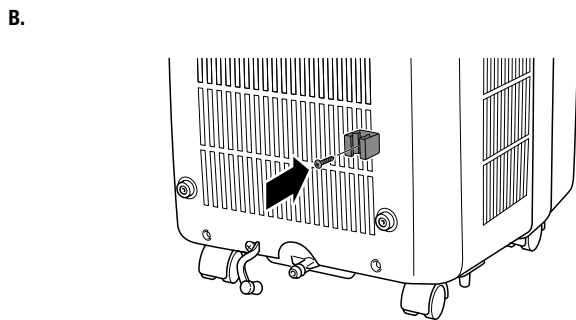
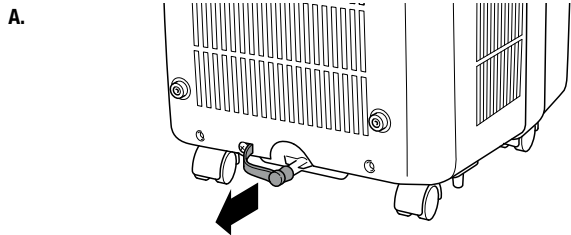


1. Connect the individual hose components until their tight fit is ensured.
2. Put the adapter (10) from above onto the exhaust air connection (5) at the device.
  - The adapter (10) snaps into place.

### Connecting the condensation hose

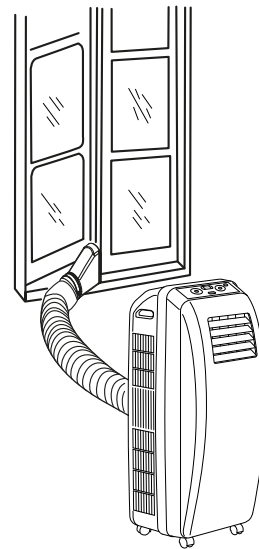
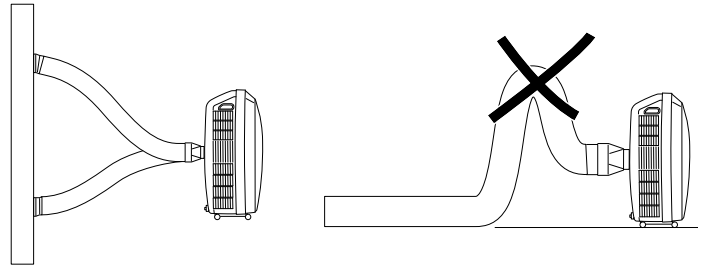
The condensation hose serves as drip protection and, if required, for discharging remaining condensate.

1. Remove the stopper from the condensate outlet (see fig. A).
2. Screw down the retaining clip for the condensation hose (see fig. B).
3. Attach the sealed condensation hose to the condensate outlet (see fig. C).
4. Affix the condensation hose by means of the hose clip and snap it into the retaining clip (see fig. C).



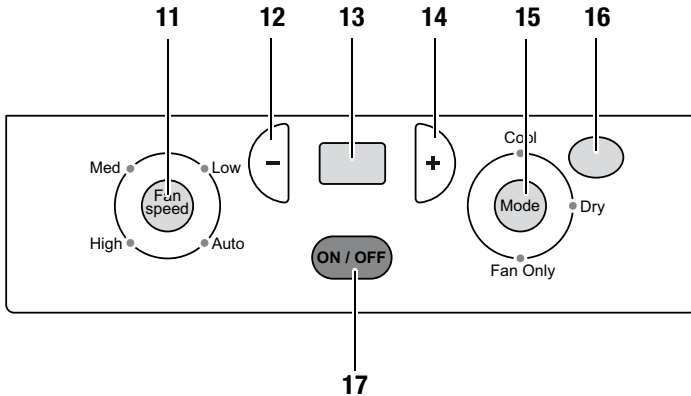
### Discharge of exhaust air

- The exhaust air coming from the device contains waste heat and residual moisture from the room to be cooled. For this reason it is advisable to discharge the exhaust air outside into the open air.
- The flat nozzle can be hooked into the open wing of a window or into a tilted bottom-hung window.



**Operation**

**Control panel**



No.	Function
11	Fan speed button: Setting and display of fan stages: <ul style="list-style-type: none"> <li>• Auto (automatic)</li> <li>• Low (low speed)</li> <li>• Med (medium speed)</li> <li>• High (high speed)</li> </ul> The selected fan stage is indicated by means of a green LED.
12	Minus key Reduces the target temperature value in COOLING mode.
13	Display In COOLING mode indicates the set target temperature.
14	Plus key Increases the target temperature value in COOLING mode.
15	MODE button Setting and display of the operating mode: <ul style="list-style-type: none"> <li>• COOLING (COOL)</li> <li>• DEHUMIDIFICATION (DRY)</li> <li>• VENTILATION (FAM)</li> </ul> The selected operating mode is indicated by means of a green LED.
16	Remote control receiver
17	ON/OFF button Switches the device on or off.

**Switching the device on**

1. Insert the mains plug into a properly secured mains power socket.
2. Use the ON/OFF button (17) to switch the device on.
3. Select the desired operation mode by pressing the MODE button (15).

**Setting the operating mode**

- Press the MODE button (15) to switch between the operating modes.
  - COOLING (COOL)
  - DEHUMIDIFICATION (DRY)
  - VENTILATION (FAM)

**COOLING mode (COOL)**

In COOLING mode the air is cooled down to the set target temperature.

The setting range for the target temperature lies between 16 °C and 30 °C.

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

1. Press the MODE button (15) until the LED beside **COOL** lights up.
2. Set the target temperature by means of the Plus (14) and Minus (12) keys.
  - The target temperature will be indicated on the display (13).

**DEHUMIDIFICATION mode (DRY)**

The device comes with a light dehumidification function.

In DEHUMIDIFICATION mode moisture is withdrawn from the air, but there is no cooling. A target temperature cannot be set, the Plus (14) and Minus (12) keys as well as the display (13) are disabled.

In this operating mode the fan stage is automatically adjusted to low speed and cannot be changed.

1. Press the MODE button (15) until the LED beside **DRY** lights up.

**VENTILATION mode (FAM)**

The device circulates the room air, there will be no cooling. A target temperature cannot be set, the Plus (14) and Minus (12) keys as well as the display (13) are disabled.

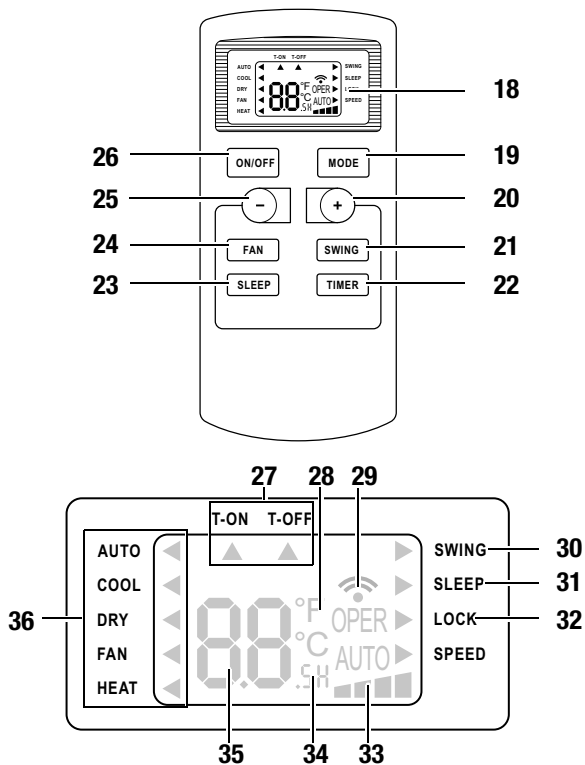
1. Press the MODE button (15) until the LED beside **FAN ONLY** lights up.
2. Press the FAN SPEED button (11) until the LED for the desired fan stage lights up.

**Remote control**

The device can also be operated via the supplied remote control (9).

- When connected to the mains, the device can be operated by means of both the control panel and the remote control.
- The operating range of the remote control amounts to approx. 8 m.
- Always direct the remote control towards the receiver (16) at the control panel.
- Change the batteries if the display of the remote control is only faintly illuminated or no longer visible.





No.	Designation	Function
18	Display	Indication of various values and settings of the device.
19	MODE button	Setting the operating mode: <ul style="list-style-type: none"> <li>• COOLING (COOL)</li> <li>• DEHUMIDIFICATION (DRY)</li> <li>• VENTILATION (FAN)</li> </ul>
20	Plus key	Increases the target temperature value in COOLING mode or the number of hours for the timer.
21	SWING button	Not available for this device.
22	TIMER button	By use of the timer function you can set the switch-on or switch-off time at 30-minute intervals from 0.5 to 24 hours.
23	SLEEP button	Setting the sleep function (only in COOLING mode).
24	FAN button	Setting the fan stages.
25	Minus key	Reduces the target temperature value in COOLING mode.
26	ON/OFF button	Switches the device on or off.
27	T-ON and T-OFF indication	T-ON: Activates the switch-on time if the device is switched off. T-OFF: Activates the switch-off time if the device is switched on.
28	Indication of the temperature unit	°C or °F
29	Transmitter indication	Is illuminated, when the remote control sends a signal to the device.
30	SWING indication	Not available for this device.
31	SLEEP indication	Is illuminated, when the sleep function is activated.
32	LOCK indication	Indicates, that the remote control's key lock (child lock) is activated.
33	SPEED indication	Indicates the selected fan stage.
34	Timer setting indication	Flashes during timer setting.
35	Temperature/hour indication	Indicates the target temperature or the select number of hours in timer operation.
36	Operating mode indication (MODE)	Indicates the selected operating mode.

## Settings using the remote control

### Setting the fan stage

- Using the FAN button (24) on the remote control, you can set the desired fan stage in COOLING and VENTILATION mode.

### Time preselection (timer)

The timer has two modes of operation:

- automatic switch-on after a pre-set number of hours (T-ON).
- automatic switch-off after a pre-set number of hours (T-OFF).

The number of hours can be between 0.5 and 24.

### Automatic switch-on

- For programming the time until switch-on, the device must be switched off.

1. Press the TIMER button (22) on the remote control.
  - The T-ON (27) arrow flashes.
2. Press the Plus (20) or Minus (25) key within 5 s in order to set the desired number of hours.
3. Press the TIMER button (22) again to save the setting.
  - The T-ON (27) indication is illuminated.
  - The timer is set for automatic switch-on.

### Automatic switch-off

- For programming the time until switch-off, the device must be switched on.

1. Press the TIMER button (22) on the remote control.
  - The T-OFF (27) arrow flashes.
2. Press the Plus (20) or Minus (25) key within 5 s in order to set the desired number of hours.
3. Press the TIMER button (22) again to save the setting.
  - The T-OFF (27) indication is illuminated.
  - The timer is set for automatic switch-off.

### Deleting the timer

1. Press the TIMER button (22) on the remote control.
  - The remaining time is indicated on the display.
2. Press the TIMER button (22) again within 5 s to delete the timer setting.

### Setting the sleep function (SLEEP)

- The sleep function is only available in COOLING mode.
1. Press the SLEEP button (23) on the remote control.
    - The device is now in SLEEP mode.
    - After one hour the temperature is increased by 1 °C. After another hour the target temperature is automatically raised by another degree. Then the target value remain unaltered, the permissible maximum value is 30 °C.
    - The preselected fan stage remains unaltered.
  2. Press the SLEEP button (23) again to exit SLEEP mode.
    - The device will restart in COOLING mode with the previously set target value.

### Enabling the key lock of the remote control

1. Press the Plus (20) and Minus (25) keys simultaneously to enable the key lock (child lock).
  - The LOCK indication (32) is illuminated.
2. Again press the Plus (20) and Minus (25) keys simultaneously to disable the key lock.
  - The LOCK indication (32) disappears.

### Switching between °C and °F

- You can switch between °C and °F by simultaneously pressing the MODE (19) and Minus (25) keys, whilst the device is switched off.

### Shutdown

1. Use the ON/OFF button (17 or 26) to switch the device off.
2. Remove the mains plug from the mains socket.
3. Clean the device, and especially the air filter, according to chapter Maintenance.
4. Drain the remaining condensate from the housing (see chapter Maintenance).
5. Store the device according to chapter Transport and storage.

## Errors and faults

The accurate functionality of the device was tested during production a number of times. However, if functionality faults do occur, then check the device according to the following list.

### Note:

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 (230 V/1~/50 Hz).
- Check the mains plug for damages.
- Observe the operating temperature of 16 to 35 °C.
- Check whether the error code H8 is displayed (13). If required, discharge the condensate (see chapter Maintenance).
- Have an electrical inspection carried out 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 air filter for dirt. If required, clean the air filter (see chapter Maintenance).
- 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.
- Should your device be connected to a wall bushing, there might be a slight underpressure in the room. Briefly open a door or window to compensate this.

### The device is loud or vibrates; condensate is leaking:

- Check whether the device is standing upright and on an even surface.
- Check the stopper of the condensate drain for proper fit or damage. Plug the stopper in correctly or replace it as appropriate.

### The device gets very warm, is loud or is losing performance:

- Check the air inlets and air filter are not dirty. Remove external dirt.
- 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 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 device and 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.

## Overview of error codes

The following error codes can be indicated on the display (13):

Error code	Fault/cause	Remedy
H8	Condensate	Discharge condensate
F1	Temperature sensor ambient temperature	Contact Trotec
F2	Internal temperature sensor	Contact Trotec
F0	System failure	<ol style="list-style-type: none"> <li>Switch the device off and disconnect it from the mains. Leave the device switched off for at least 30 minutes.</li> <li>If the fault continues to be indicated, please contact Trotec.</li> </ol>
H3	Overload protection	<ol style="list-style-type: none"> <li>Check the ambient temperature and the relative humidity. The ambient temperature must not exceed 35 °C.</li> <li>Check whether the air inlets/outlets are free.</li> <li>Switch the device off for at least 3 minutes. If the overload messages continue to be displayed, please contact Trotec.</li> </ol>
E8	Overload	
F4	Temperature sensor outlet temperature	Contact Trotec

## Your device still does not operate correctly after these checks?

Bring the device to a specialist company for cooling and air-conditioning or to Trotec for repair.

## Maintenance

### Activities required before starting maintenance

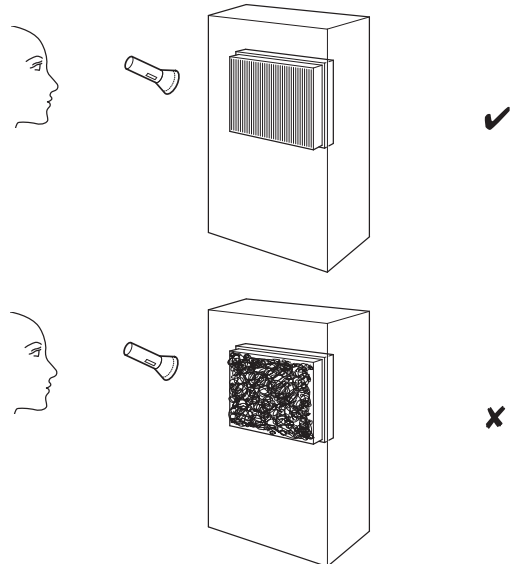
- Do not touch the mains plug with wet or damp hands.
- Before any work, detach the mains plug!



**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.**

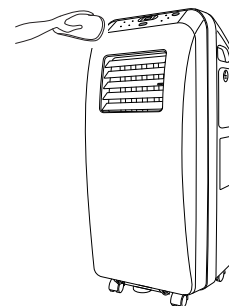
### Visual check for dirt in the inside of the device

1. Remove the air filter.
2. Use a torch to illuminate the openings of the device.
3. 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.
4. Put the air filter back in.



### Cleaning the housing

Clean the device with a soft, damp and lint-free cloth. Ensure that no moisture enters the housing. Do not use abrasive cleaners.



**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.

**Condensate discharge**

In COOLING and DEHUMIDIFICATION mode condensate is formed, which is mostly discharged via the exhaust air. Remaining condensate accumulates at the bottom of the housing and ought to be drained on a regular basis. If too much condensate accumulates, an acoustic signal will be emitted (8x briefly). The message *H8* is also displayed. When the indication flashes, condensate must be discharged. Proceed as follows to do so:

1. Switch the device off and disconnect it from the mains.
2. Carefully transport or wheel the device to a suitable location for discharging the condensate (e.g. a drain).
3. Remove the condensation hose from the retaining clip (see fig. A).
4. Remove the rubber stopper from the condensation hose.
5. Let the condensate run, until the condensation hose is completely drained.
6. Reattach the rubber stopper to the condensation hose and replace the hose in the retaining clip.
  - Ensure the tight fit of the rubber stopper, for otherwise there might be uncontrolled water leakage.
7. Wait for at least 3 minutes before switching the device back on.

**Cleaning the air filter**

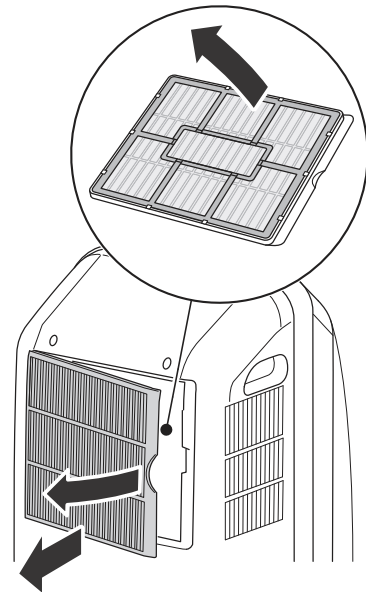
The air filter has to be cleaned as soon as it is dirty. This is brought to light e.g. by a reduced cooling capacity (see chapter Errors and faults).



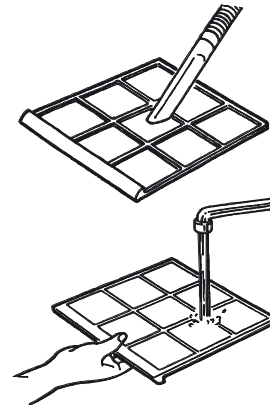
**Caution!**

Ensure that the air filter is not worn or damaged. The corners and edges of the air filter must not be rounded or misshaped. Before reinserting the air filter, ensure that it is dry and is not damaged!

A.



B.

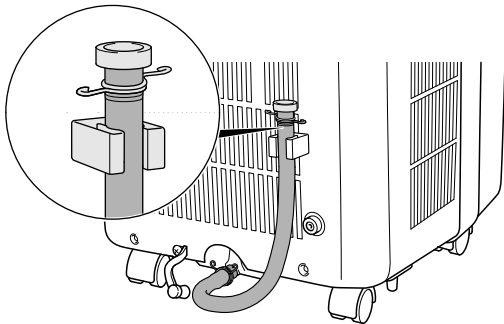


C.

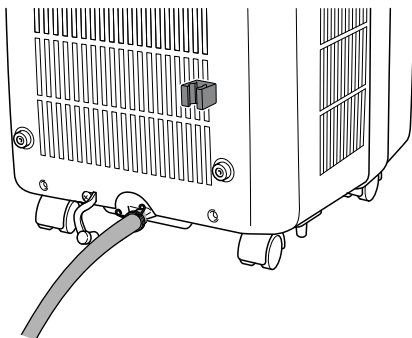


- Reinsert the cleaned, dry filter in the device in reverse order.

A.



B.

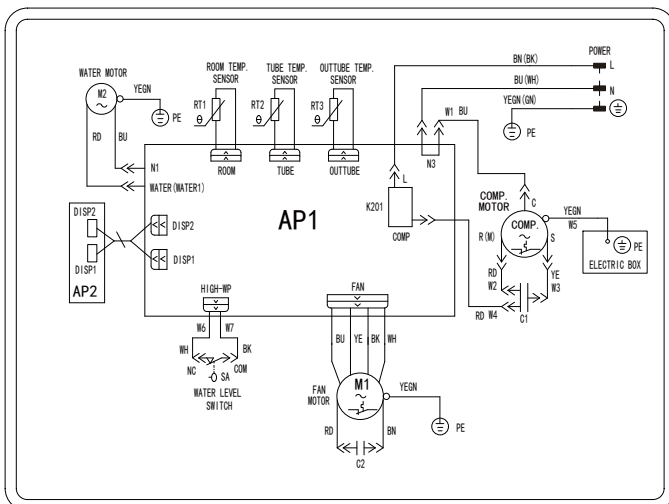


## Technical annex

### Technical data

Parameter	Value
Model	<b>PAC 2600 E</b>
Cooling capacity	2640 W
Dehumidification performance	0.95 l/h
Temperature, adjustable	16°C to 30°C
Air flow rate, max.	230 m <sup>3</sup> /h
Timer, adjustable	0.5 h to 24 h
Electric connection	230 V / 1~ / 50 Hz
Power consumption, max.	1010 W
Nominal current	4.5 A
Refrigerant	R410A
Amount of refrigerant	570 g
Operating temperature	18 °C to 35 °C
Weight	27 kg
Dimensions (width x height x depth)	340 x 780 x 394 (mm)
Minimum distance to walls or other objects	30 cm
Sound pressure level	max. 56 dB (A)

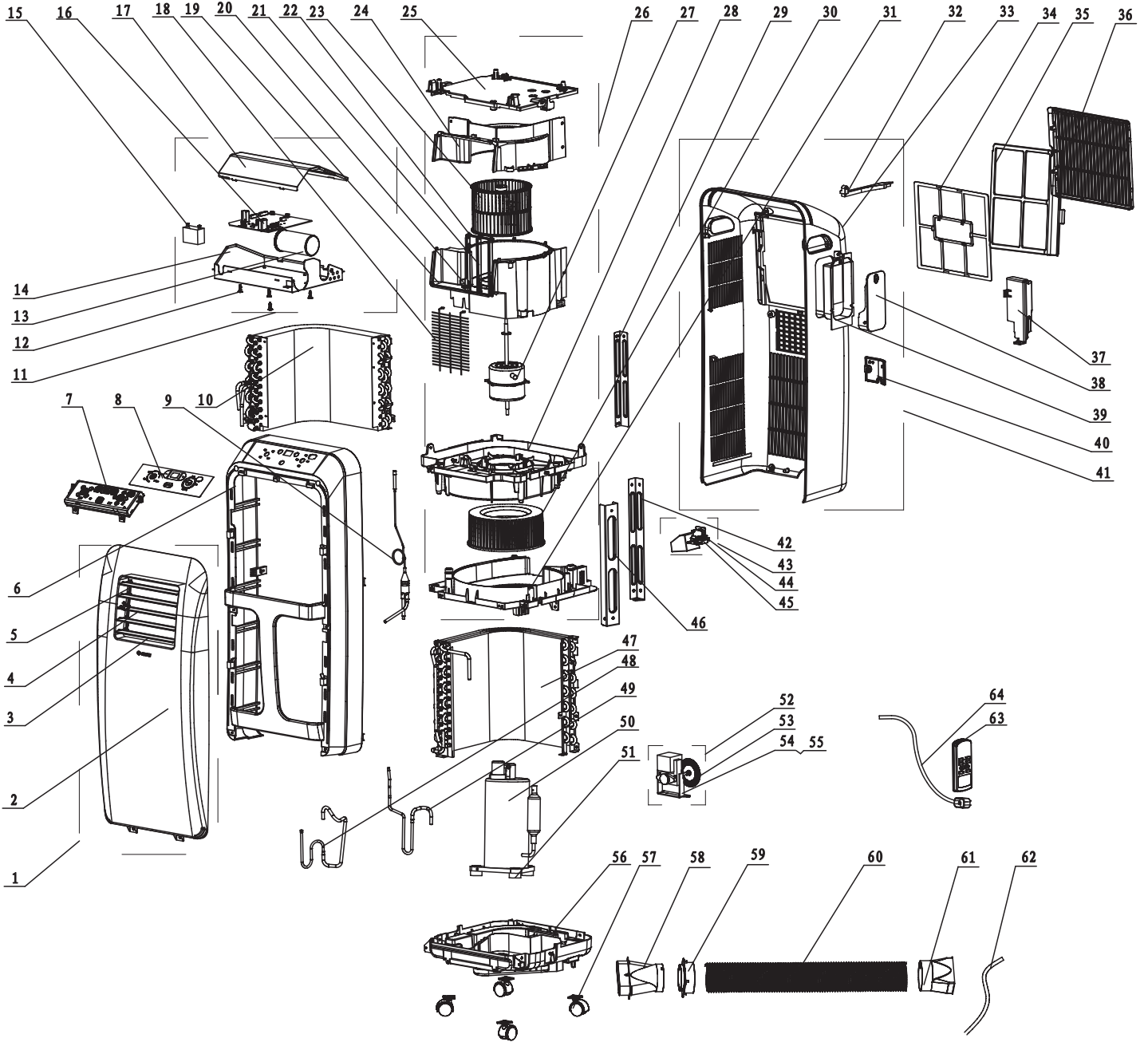
### Wiring diagram



**Exploded assembly drawing**

**Note!**

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



## List of spare parts

Pos. no.	Spare part	Pos. no.	Spare part	Pos. no.	Spare part
1	Front Panel Assy	23	Centrifugal Fan	45	Water Level Switch
2	Front Panel 2	24	Propeller Housing (upper)	46	Supporting Board 3
3	Guide Louver 7	25	Cover of Propeller Housing	47	Condenser Assy
4	Guide Louver 6	26	Air Flue Assy	48	Discharge Tube Sub-assy
5	Guide Blade Lever 2	27	Fan Motor	49	Inhalation Tube Sub-assy
6	Front Case	28	Motor Holder	50	Compressor and Fittings
7	Display Board	29	Supporting Board 1	51	Compressor Gasket
8	Membrane	30	Centrifugal Fan	52	Motor Sub-assy(Flutter)
9	Capillary Sub-assy	31	Diversion Circle	53	Splash Water Flywheel
10	Evaporator Assy	32	Filter Support	54	Motor holder (Shaded Pole Motor)
11	Electric Box Assy	33	Rear Plate	55	Fan Motor
12	Partition Pole (PC board)	34	Filter Sub-assy 1	56	Chassis
13	Capacitor CBB65	35	Filter Sub-assy 2	57	Castor
14	Electric Box Sub-Assy	36	Front Grill	58	Rear Clip
15	Capacitor CBB61	37	Water Retaining Box	59	Plastic Pipe End
16	Main Board	38	Cover of Remote Control Box	60	PP hose
17	Electric Box Cover	39	Remote Control Box	61	Joint
18	Rear Grill	40	Cable Cross Plate	62	Drainage Hose
19	Propeller Housing (lower)	41	Rear Plate Assy	63	Remote Controller
20	Air Louver 2	42	Supporting Board 2	64	Power cord
21	Air Louver 1	43	Water level switch sub-assy		
22	Swing Lever	44	Water level switch base		

**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 Council of 27th January 2003 concerning old electrical and electronic equipment. At the end of its life, please dispose of this instrument in a manner appropriate to the relevant legal requirements.

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

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

**Declaration of conformity**

in accordance with the EC Low Voltage Directive 2006/95/EC, Annex III, Section B and the EC Directive 2004/108/EC about electromagnetic compatibility.

Herewith, we declare that the portable air conditioner PAC 2600 E was developed, constructed and produced in compliance with the named EC directives.

Applied standards:

EN 55014-1:2006+A1:2009+A2:2011

EN 61000-3-2:2006+A1:2009+A2:2009

EN 61000-3-3:2008

EN 55014-2:1997+A1:2001+A2:2008

EN 60335-1:2002+A11:2004+A12:2006+A2:2006  
+A13:2008+A14:2010+A15:2011

EN 60335-2-40:2003+A11:2004+A12:2005+A1:2006+A2:2009

EN 62233:2008

The  $\text{C} \in$  marking is found on the device nameplate.

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