

TTK 54 E / TTK 66 E

EN

OPERATING MANUAL
DEHUMIDIFIER



Table of contents

Notes regarding the operating manual..... 1

Safety 1

Information about the device..... 3

Transport and storage..... 4

Assembly and installation..... 5

Operation 6

Errors and faults..... 9

Maintenance 11

Technical annex..... 15

Disposal 15

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.

Notice

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



Info

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



Follow the manual

Information marked with this symbol indicates that the 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:



TTK 54 E



<http://hub.trotec.com/?id=40260>

TTK 66 E



<http://hub.trotec.com/?id=40261>

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 device's power input, cable length and intended use when selecting extensions to the power cable. Completely unroll extension cables. 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.
- 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 drying and dehumidifying room air, while adhering to and following the technical data.

In addition, the device may also be used as a kind of clothes dryer to dry wet laundry.

Intended use comprises:

- dehumidifying and drying:
 - living rooms, bedrooms, bathrooms and basements
 - laundries, holiday homes, camper vans, boats
- maintaining the dryness of:
 - storage spaces, archives, laboratories, garages
 - bathrooms, wash rooms, changing rooms etc.

Improper use

The device is not intended for industrial 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, 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.

Notice

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

Behaviour in the event of an emergency

1. Switch the device off.
2. 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

Description of the device

The device has an ionization function that can be switched on in any operating mode. The released ions remove pollen, dust, viruses and bacteria from the room air. Thanks to this air purification method, the quality of the room air can be additionally improved.

The device uses the principle of condensation to automatically dehumidify rooms.

The fan sucks damp room air through the air inlet, the air filter, the evaporator and to the condenser located behind it. The air is cooled at the cold evaporator until it is below the dew point. Water vapour contained in the room air precipitates on the evaporator fins as condensation or rime. The dehumidified, cooled air is slightly warmed at the condenser and blown out again. The drier air thus conditioned mixes with the air in the room. The humidity in the room where the device is positioned is reduced as air constantly circulates through the device.

Depending on the air temperature and the relative humidity, the condensed water either drops continuously or only during the defrost phase through the integrated drain nozzle into the condensation tank below. It is fitted with a float to measure the filling level.

The device has a control panel for operating and controlling the functions.

Once the maximum filling level of the condensation tank is reached or if the tank is not installed correctly, the condensation tank indicator light on the control panel will be illuminated and an error code will be displayed as well (see chapter Operating elements). The device switches off. The indications only disappear once the emptied condensation tank is reinserted.

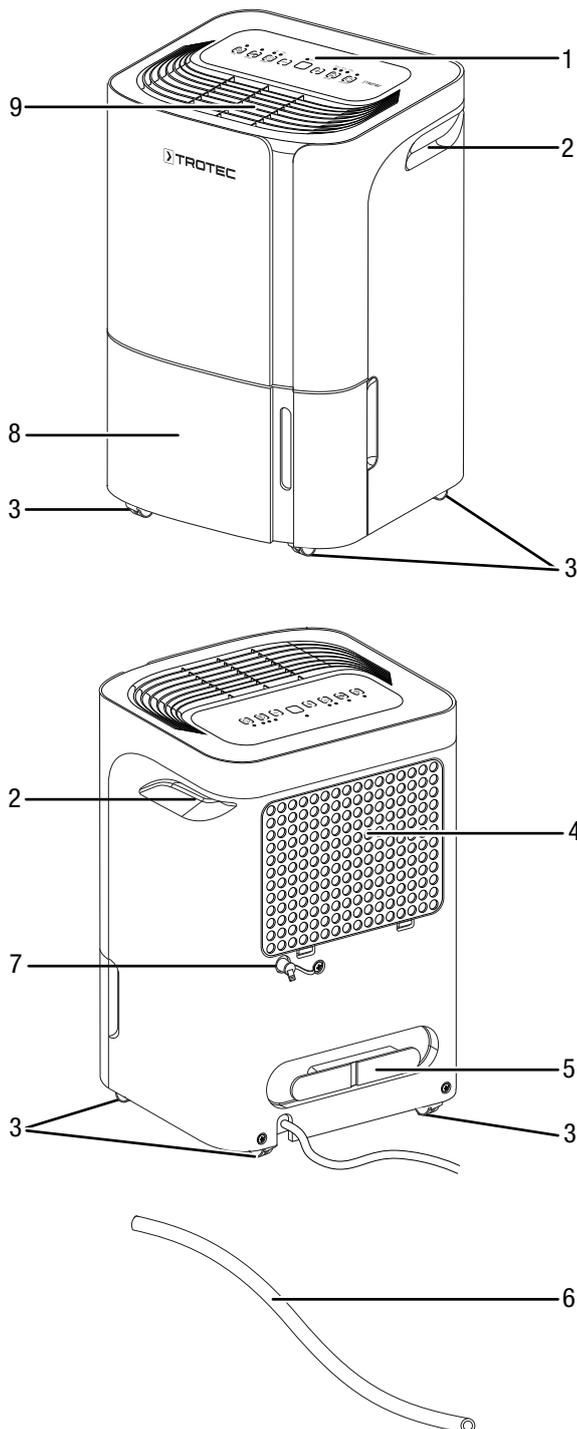
Optionally, the condensed water can be drained by attaching a hose at the condensation connection.

The device can reduce the relative humidity of a room to approx. 35 %.

In addition, the device may also be used as a kind of clothes dryer to dry wet laundry in living or working spaces.

Because of the heat radiation generated during operation, the room temperature may rise slightly.

Device depiction



No.	Designation
1	Control panel
2	Transport handle
3	Wheels
4	Air inlet with air filter
5	Power cable holder
6	Condensation drain hose
7	Condensation drain hose connection
8	Condensation tank with filling level indicator
9	Air outlet

Transport and storage

Notice

If you store or transport the device improperly, the device may be damaged.

Note the information regarding transport and storage of the device.

Transport

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

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

Before transporting the device, observe the following:

- Switch the device off.
- 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).
- 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 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, observe the following:

- Drain the remaining condensate from the device and the condensation drain hose (see chapter Maintenance).
- Empty and clean the condensation tank prior to storage.
- Drain any possibly remaining condensate.

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.

Assembly and installation

Scope of delivery

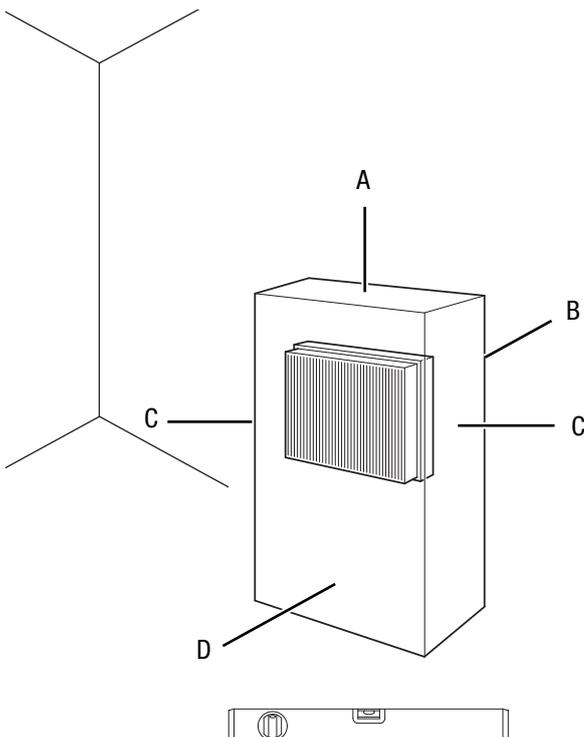
- 1 x device
- 1 x condensation drain hose, length: 0.6 m, diameter: 14 mm
- 1 x air filter
- 1 x manual

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.



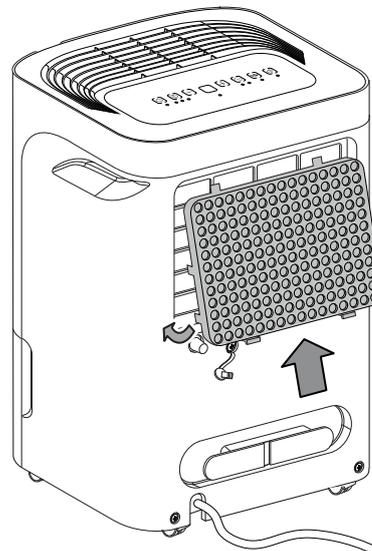
- Before restarting the device, check the condition of the power cable. If there are doubts as to the sound condition, contact the customer service.
- Set the device up in an upright and stable position.
- Do not create tripping hazards when laying the power cable or other electric cables, especially when positioning the device in the middle of the room. Use cable bridges.
- Make sure that extension cables are completely unrolled.
- When positioning the device, keep a sufficient distance to heat sources.
- Make sure that no curtains or other objects interfere with the air flow.
- When positioning the device, particularly in wet areas, secure it locally with an RCD (residual current device) which complies with the respective regulations.

Inserting the air filter

Notice

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

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



Inserting the condensation tank

- Ensure that the float inside the condensation tank is inserted correctly.
- Ensure that the condensation tank is empty and inserted correctly.

Connecting the power cable

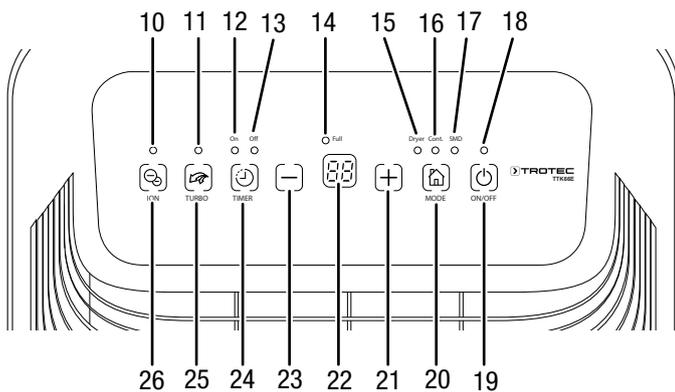
- Insert the mains plug into a properly secured mains socket.

Operation

Notes:

- Avoid open doors and windows.
- After being switched on, the device operates fully automatically.
- The fan permanently runs in dehumidification mode until the set nominal value is reached. The fan keeps running for approx. 3 minutes and then switches off.

Operating elements



No.	Designation	Meaning
10	<i>Ionization</i> indication	Indicates air purification by ionization
11	<i>TURBO</i> indication	Indicated at the highest fan speed
12	<i>Timer On</i> indication	Automatic switch-on activated
13	<i>Timer Off</i> indication	Automatic switch-off activated
14	<i>Full</i> indication	Is displayed when the condensation tank is full or not installed correctly
15	<i>Dryer</i> indication	<i>Laundry drying</i> mode is active
16	<i>Cont.</i> indication	<i>Continuous operation</i> is active
17	<i>SMD</i> indication	<i>Comfort</i> mode is active
18	Operating light	Illuminated during operation
19	<i>ON/OFF</i> button	Power button: Switches the device on or off
20	<i>MODE</i> button	Selection button for operating modes: <i>Dehumidification</i> (not indicated) <i>Dryer</i> = <i>Laundry drying mode</i> <i>Cont.</i> = <i>continuous operation</i> <i>SMD</i> = <i>comfort mode</i>
21	<i>Plus</i> button	Setting the relative room humidity Setting the number of hours for the timer function

No.	Designation	Meaning
22	Segment display	Indicates the current relative room humidity Indicates the desired relative room humidity during setting Indicates the number of hours during timer programming Indicates the error code in the event of a fault
23	<i>Minus</i> button	Setting the relative room humidity Setting the number of hours for the timer function
24	<i>TIMER</i> button	Switches the timer function on or off
25	<i>TURBO</i> button	Setting the highest or a low fan speed
26	<i>ION</i> button	Activates additional air purification by way of ionization

Switching the device on

Once you have completely installed the device as described in the Start-up chapter, you can switch it on.

1. Press the *ON/OFF* button (19).
⇒ The device starts in *dehumidification* mode.



Info

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

Setting the operating mode

Setting the desired relative room humidity

You can only change the relative room humidity in *dehumidification* mode.

1. Press the *plus / minus* buttons (21, 23) to adjust the relative room humidity. Setting is possible in the range between 35 % and 85 % in steps of 5 %.

⇒ The desired relative room humidity is indicated in the segment display (22) for approx. 5 seconds. Then the current relative room humidity is displayed again.

Setting the fan speed

Using this function you can choose between a low fan speed or the maximum. The fan speed can only be adjusted in *dehumidification* mode. The default setting for the *laundry drying function* is the highest level.

1. Press the *TURBO* button (25) to select the highest fan speed.

⇒ The *TURBO* indication (11) is illuminated.

Dehumidification

The device keeps running until reaching the desired relative room humidity. Once the desired relative room humidity is exceeded, the compressor and ventilation switch back on.

In this operating mode, the desired relative room humidity can be set at any time in increments of 5 % within a setting range of 35 % to 85 %.

1. Press the *MODE* button (20) until nothing but the operating light (18) is illuminated.
 2. Press the *plus / minus* buttons (21, 23) to select the relative room humidity.
- ⇒ The desired relative room humidity is indicated in the segment display (22) for approx. 5 seconds. Then the current relative room humidity is displayed again.

Continuous operation

The device dehumidifies the air constantly and regardless of the relative room humidity. The desired relative room humidity cannot be adjusted in this operating mode.

1. Press the *MODE* button (20) until the *Cont.* indication (16) is illuminated.
- ⇒ *Continuous operation* is selected.



Info

For continuous operation the condensation drain hose can be connected in order to continuously drain the accumulating condensate.

Setting the timer

For the device to switch on or off automatically after a predefined number of hours (max. 24 hrs) you can programme the timer. It is possible for the switch-on time and the switch-off time to be activated at the same time, if so, both indications (12 and 13) will be illuminated.

The timer can be programmed in increments of 0.5 hours (0 to 10 h) or in increments of 1 hour (10 to 24 h).

The timer can be set in all operating modes.

You can activate the function regardless of the device being switched on or off.

Notice

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

1. Press the *TIMER* button (24) to activate the timer.
 - ⇒ The *Timer Off* indication (13) is illuminated.
 - ⇒ The segment display (22) indicates the number of hours until automatic switch-off (default: 0.0).
2. Press the *plus / minus* buttons (21, 23) to choose the number of hours until automatic switch-off.
3. Alternatively, press the *TIMER* button (24) again to programme automatic switch-on.
 - ⇒ The *Timer On* indication (12) is illuminated.
 - ⇒ The segment display (22) indicates the number of hours until automatic switch-on (default: 0.0).
4. Press the *plus / minus* buttons (21, 23) until the desired number of hours until automatic switch-on has been set.
 - ⇒ The number of hours is indicated on the segment display (22) for approx. 5 s. Then the current humidity level of the room will be indicated.

5. The device keeps running until the given switch-off time has expired or until the device is switched off manually.
 - ⇒ The device switches off or on after the predefined time.
 - ⇒ The corresponding indication (*Off* (13) for automatic switch-off or *On* (12) for automatic switch-on) is illuminated.

Notice

You can deactivate automatic switch-on and switch-off by setting the respective number of hours back to 0 or by manually switching the device on or off.

If the error code *P2* is indicated on the segment display (22), the timer is also deactivated.

A full condensation tank can cause the device to be switched off before the set number of hours until automatic switch-off have elapsed.

Laundry drying function

The device may be used to dry clothes in a more timely manner. When positioning the device or a clothes horse, please observe the minimum distances specified in the technical data.

The device dehumidifies the air constantly and regardless of the relative room humidity. The fan runs at the highest speed.

The relative humidity cannot be adjusted in this operating mode.

The maximum operating time in this mode amounts to 10 hours.

1. Press the *MODE* button (20) until the *Dryer* indication (15) is illuminated.
- ⇒ The *function for drying laundry* is activated.

Ionization

This function serves to purify the air using ions. The released ions remove pollen, dust, viruses and bacteria from the room air.

The *ionization* function can be selected in any operating mode.

1. Press the *ION* button (26) to start the ionization.
- ⇒ The *ionisation* indication (10) is illuminated.

Comfort mode

Comfort mode ensures an agreeable humidity level ranging between 45 % and 55 %. Depending on the room temperature the device automatically regulates the convenient humidity level choosing a value from 45 % – 50 % – 55 %.

In this operating mode it is not possible to regulate the humidity level manually.

1. Press the *MODE* button (20) until the *SMD* indication is illuminated to switch comfort mode on or off.

Memory function

After a power failure during operation the device will automatically be switched back on after a while. The selected settings are saved. Any programmed timer settings will not be saved.

Auto stop function

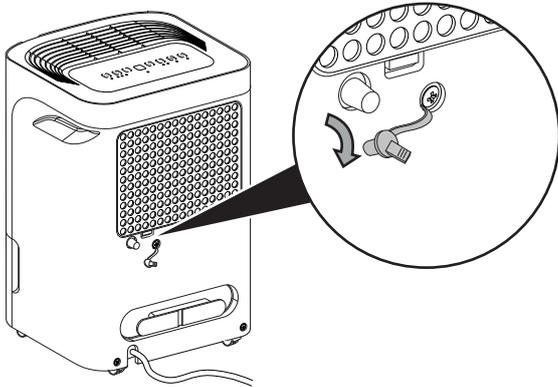
If the water tank is full, not inserted correctly or the relative room humidity has been reached, the device will stop automatically.

Operation with hose attached to the condensation connection

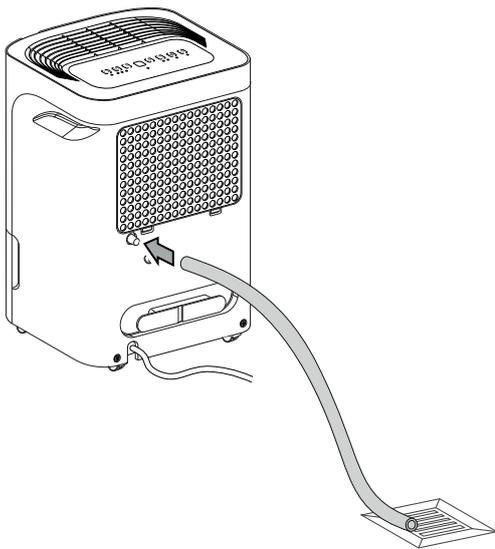
For continuous operation or unattended dehumidification, please connect the supplied condensation drain hose to the device.

- ✓ A suitable hose (diameter: 14 mm) is ready for use.
- ✓ The device is switched off.

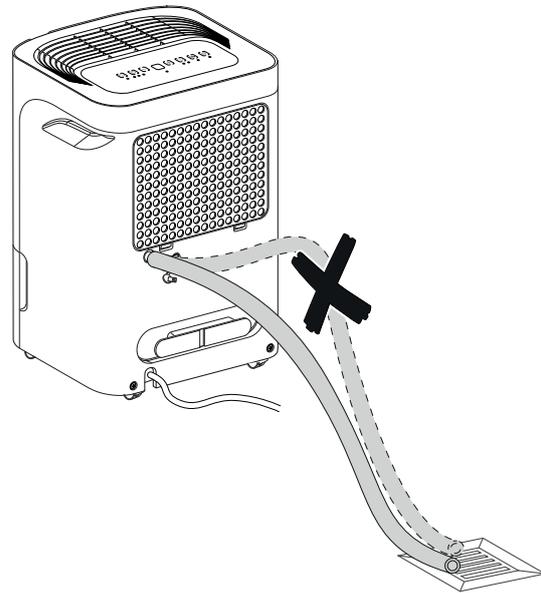
1. Remove the rubber plug.



2. Push one end of the hose onto the hose connection.



3. Guide the other hose end to a suitable drain or sufficiently dimensioned collection container. Please observe that the hose must not be kinked.



Remove the hose if you want to collect the condensate in the condensation tank again. Allow the hose to dry prior to storage. The hose can be connected in any operating mode for continuous operation.

Automatic defrost

At low ambient temperatures, ice may form at the evaporator during dehumidification. The device will then carry out an automatic defrost. Dehumidification is briefly interrupted during defrosting. The fan keeps running. The error code *P1* for automatic defrost will be indicated on the segment display (22).

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.

Drying laundry

In addition, the device may also be used as a kind of clothes dryer to dry wet laundry in living or working spaces.

When positioning the device or a clothes horse, please observe the minimum distances specified in the technical data.

For drying laundry the following values should be selected:

- cupboard dry = 46 % relative humidity
- iron dry = 58 % relative humidity
- slightly dried = 65 % relative humidity

If necessary, use a measuring device to determine the humidity level.

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.
- If necessary, remove the condensation drain hose and any residual fluid from it.
- Empty the condensation tank, if need be.
- 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.
- Check the filling level of the condensation tank and empty it if necessary. The *Full* indication (14) must not light up. The error code *P2* must not be indicated on the segment display (22).
- Check the condensation tank for correct seating.
- Check the room temperature. Observe the device's permissible operating range according to the technical data. Possibly, the device does not start because the ambient temperature is too low ($< 5\text{ °C}$).
- Wait for 10 minutes before restarting the device. If the device is not starting, have the electricians checked by a specialist company or by Trotec.

The device is running, but there is no formation of condensate:

- Check the float in the condensation tank for dirt. If necessary, clean the condensation tank. The float must be able to move freely.
- Check the room temperature. Observe the device's permissible operating range according to the technical data. Possibly, the device does not start because the ambient temperature is too low ($< 5\text{ °C}$).
- Ensure that the relative room humidity complies with the technical data.
- Check the preselected relative room humidity. The humidity in the room must be above the selected range.
- Check the air filter for dirt. If necessary, clean or replace the air filter.
- Check whether the device is running in *comfort mode*. In this case, the compressor switches off automatically once the relative room humidity is below 45 %.
- From the outside, check the condenser for dirt (see chapter Maintenance). If the condenser is dirty, have it cleaned by a specialist company or by Trotec.
- The device might carry out an automatic defrost. During automatic defrost, the device does not dehumidify.

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 the room temperature. Observe the device's permissible operating range according to the technical data. Possibly, the device does not start because the ambient temperature is too low ($< 5\text{ °C}$).
- Ensure that the relative room humidity complies with the technical data.
- Check the preselected relative room humidity. The humidity in the room must be above the selected range.
- Check whether the device is running in *comfort mode*. In this case, the compressor switches off automatically once the relative room humidity is below 45 %.
- 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 device might carry out an automatic defrost. During automatic defrost, the device does not dehumidify.

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.

Notice

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 in the segment display (22):

Error code	Cause	Remedy
AS	Fault at humidity sensor	Disconnect the device briefly from the mains. Should the error still be displayed after the restart, please contact the customer service.
ES	Fault at temperature sensor	
E3	General fault at the device	
EC	Leaking refrigerant	Switch the device off and contact the customer service.
P1	Automatic defrost	This is not a fault. Wait for a brief period. The indication will disappear the moment the automatic defrost process is completed.
P2	Condensation tank full or not inserted correctly	Empty the condensation tank or check the condensation tank for correct fit.

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



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

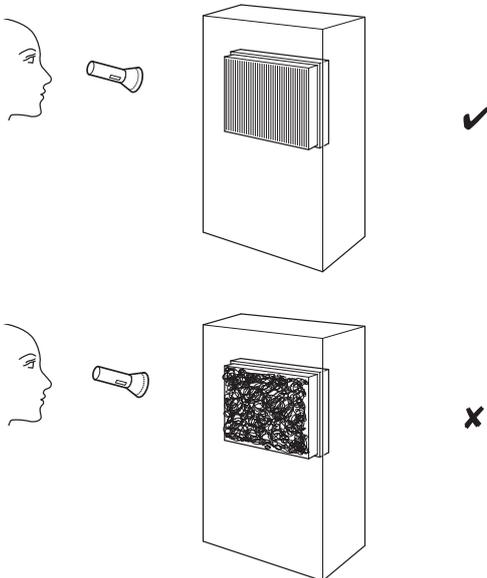
Tasks which require the housing to be opened must only be carried out by authorised specialist companies or by Trotec.

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.



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.

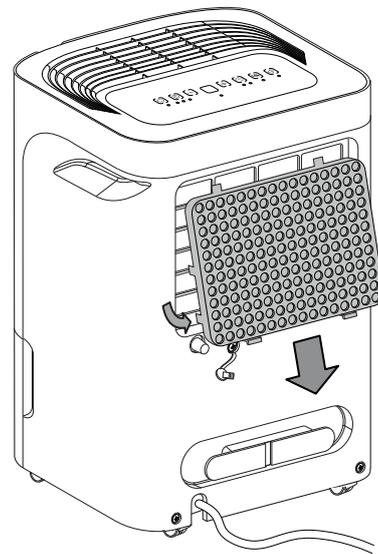
Cleaning the air filter

Notice

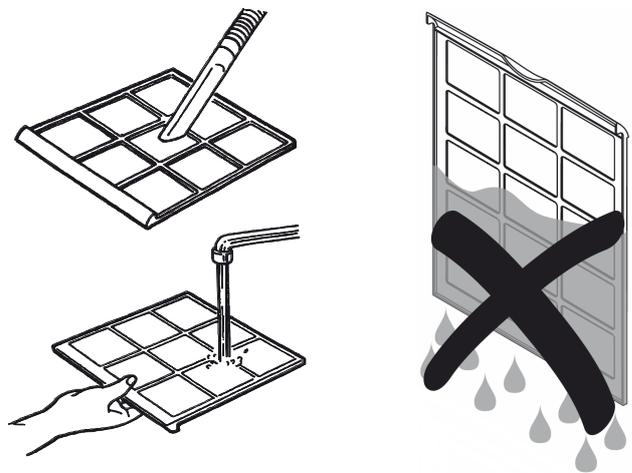
Ensure that the air filter is not worn or damaged. The corners and edges of the air filter must not be deformed or rounded. Before reinserting the air filter, make sure that it is undamaged and dry!

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

1. Remove the air filter from the device.

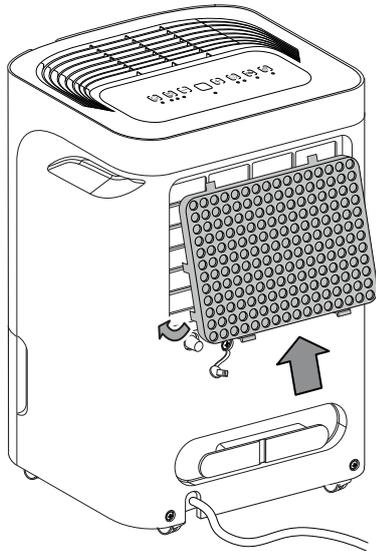


2. Clean the filter using a slightly damp, soft, lint-free cloth. If the filter is heavily contaminated, clean it with warm water mixed with a neutral cleaning agent.



3. Allow the filter to dry completely. Do not insert a wet filter into the device!

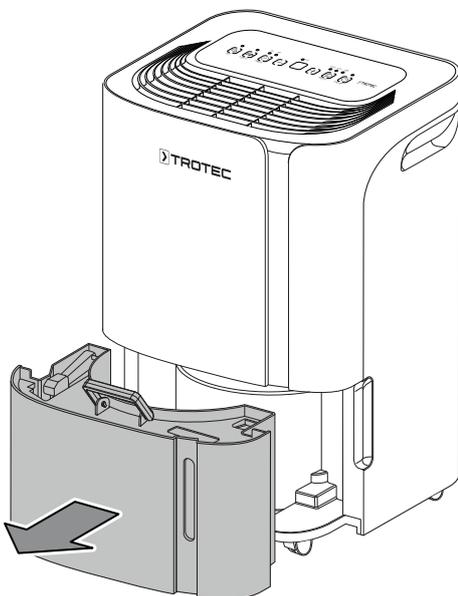
4. Reinsert the air filter into the device.



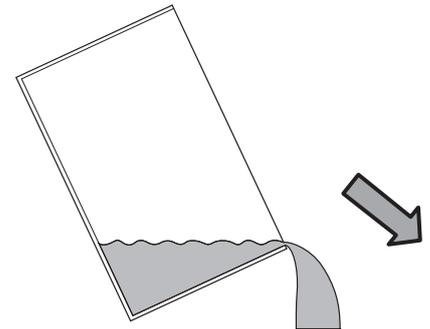
Emptying the condensation tank

If the condensation tank is full or not inserted correctly, an acoustic signal will be emitted. Moreover, the *Full* indication (14) will be illuminated and the error code *P2* will be indicated on the segment display (22). The compressor and fan will switch off.

1. Take the condensation tank out of the device.



2. Empty the condensation tank over a drain or sink.



3. Rinse the tank with clear water. Clean the tank regularly using a mild cleaning agent (no detergent!).
4. Refit the condensation tank into the device. Make sure not to damage the float when inserting or removing the condensation tank. In doing so, make sure that the float is positioned correctly. In doing so, make sure that the condensation tank is inserted correctly, for otherwise the device cannot be switched back on.



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	TTK 54 E	TTK 66 E
Max. dehumidification performance	16 l / 24 h	24 l / 24 h
Dehumidification performance @ 30 °C and 80 % RH	14 l / 24 h	20 l / 24 h
Air flow rate	170 m ³ /h	170 m ³ /h
Ambient temperature	5 °C to 35 °C	5 °C to 35 °C
Operating range	35 % to 85 % RH	35 % to 85 % RH
Power supply	220 V – 240 V / 50 Hz	220 V – 240 V / 50 Hz
Power consumption	0.35 kW	0.44 kW
Nominal current	2 A	2.1 A
Refrigerant	R-134a	R-134a
Amount of refrigerant	105 g	120 g
GWP factor	1430	1430
CO ₂ equivalent	0.15 t	0.17 t
Condensation tank capacity	3 l	3 l
Sound pressure level (1 m distance)	48 dB(A)	48 dB(A)
Dimensions (length x width x height)	245 x 350 x 510 mm	245 x 350 x 510 mm
Minimum distance to walls and other objects		
A: top:	40 cm	40 cm
B: rear:	20 cm	20 cm
C: side:	20 cm	20 cm
D: front:	20 cm	20 cm
Weight	14 kg	14 kg

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.

Trotec GmbH & Co. KG

Grebener Str. 7
D-52525 Heinsberg

☎ +49 2452 962-400

☎ +49 2452 962-200

info@trotec.com

www.trotec.com