TAC XT 18 / TAC XT 27

EN

ORIGINAL INSTRUCTIONS
VERTICAL HEATER

TROTEC

TRT-BA-TAC-XT18-TAC-XT27-TC220209TTRT01-001-EN

Table of contents

Notes regarding the instructions

Symbols

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

Warning of hot surface
This symbol indicates dangers to the life and health of persons due to hot surface.

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

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

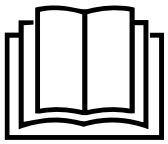
Note
This signal word indicates important information (e.g. material damage), but does not indicate hazards.

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

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

Wear foot protection
Information marked with this symbol indicates that you should wear safety boots.

You can download the current version of the instructions via the following link:



TAC XT 18

https://hub.trotec.com/?id=46248

TAC XT 27

https://hub.trotec.com/?id=46249

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.

Warning

Children of less than 3 years should be kept away from the device unless continuously supervised.
Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.

Warning

Do not use the device in small rooms if persons are present who cannot leave the room independently and who are not under constant supervision.

- Do not use the device in potentially explosive rooms and do not install it there.
- Do not use the device in aggressive atmosphere.
- Do not use the device in atmospheres containing oil, sulphur, chlorine or salt.
- This appliance is not a toy. Keep away from children and animals. Do not leave the device unattended during operation.
- Only put up the device in an upright, stable position on firm ground.
- Make sure that the air inlet and outlet are not obstructed.
- Make sure that the suction side is kept free of dirt and loose objects.
- Do not place the device on combustible ground.
- Never insert any objects or limbs into the device.
- Do not cover the device during operation.
- Do not use the device with wet or damp hands.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not expose the device to directly squirting water.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.
- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The mains connection must correspond to the specifications in the Technical annex.
- Insert the mains plug into a properly fused mains socket.
- Observe the device's power input, cable length and intended use when selecting extensions to the power cable. Completely unroll extension cables. Avoid electrical overload.
- Check the power cable and mains plug for damage. If you notice damages, do not try to take the device back into operation. Order a new power cable with mains plug from Trotec and replace the defective power cable with mains plug with the new one.
  Defective power cables pose a serious health risk!
- Disconnect the device from the mains, if it is not in use.
- Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.
- Do not sit on the device.
- When positioning the device, observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical annex.
- 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.
- Only use original spare parts, for otherwise safe and functional operation cannot be ensured.
- Allow the device to cool down before transport and/or maintenance work.
- Do not use this device near bathtubs, shower trays, swimming pools or other water containers. Risk of electric shock!

Intended use

Only operate the device with atmospheric air.

Only use the device for the following:

- Decontamination (thermal virus inactivation and thermal decontamination of respiratory masks, personal protective equipment and entire rooms)
- HEPA filter air purification
- Thermal pest control
- Room heating

Use the device in accordance with the technical data.

Any other use is regarded as non-intended use and may be dangerous. The observance of these instructions are also considered part of the intended use.

Foreseeable misuse

Do not operate the device with an incorrect combination of system components (e.g. for HEPA air purification without the HEPA filter inserted).

Do not place any objects, e.g. clothing, on the device.

The device is not suitable for the use in explosive areas.

The device must not be used for sucking in fluids, e.g. from filled tanks or basins.

Do not place the device on wet or flooded ground.

The device may not be exposed to moisture or weather effects (rain, sunlight).

Any operation other than as described in this manual is prohibited. Non-observance renders all claims for liability and guarantee null and void.

Any unauthorised modifications, such as alterations or structural changes to the device and changes and interventions in software or firmware are forbidden.

Personnel qualifications

People who use this device must:

- be aware of the dangers that occur when working with electric heaters.
- have read and understood the instructions, especially the Safety chapter.

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

Instructed person

Instructed persons have been informed of the tasks they were entrusted with as well as of potential hazards resulting from inappropriate behaviour. They are allowed to operate and transport the device and perform simple maintenance activities (cleaning the housing, cleaning the fan).

The device is to be maintained and looked after by instructed personnel.

Symbols on the device

Symbols	Meaning
	This symbol located on the device indicates that it is prohibited to place objects (such as towels, clothes etc.) above or directly in front of the device. In order to avoid overheating and fire hazards, the heater must not be covered.
	This symbol located on the device indicates that it is prohibited to spray the device.
	This symbol located on the device indicates dangers to the life and health of persons due to hot surface.

Safety signs and labels on the device

Note

Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.

The following safety signs and labels are attached to the device:

The following label is attached to the device in German and English and French.

Safety warnings:

Caution! Risk of electric shock – do not open
No parts that need to be maintained are in the inside of the device!

The following label is attached to the device in English.

Safety warnings:

Warning! Fire hazard.
Do not use in living spaces!

The following label is attached to the device in German, English, French and Dutch.

Safety warnings:

Attention! Prior to switching the main switch off, wait for the device to stop properly!

The following label is attached to the device in German.

Safety warnings:

Switch off the main switch prior to opening the housing!

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!
Do not touch the mains plug with wet or damp hands.
Hold onto the mains plug while pulling the power cable out of the mains socket.

Warning of hot surface
Parts of this appliance can become very hot and cause burns. Particular attention is to be paid when there are children or vulnerable persons present!

Warning of hot surface
The room temperature may increase up to 75 °C during operation.
Note that the surfaces in the room may be hot after the treatment.

Warning
The room temperature may increase up to 75 °C during operation.
If possible, do not stay in the room during the room heating process. If you feel unwell, exit the room immediately. Persons sensitive to heat must only stay in the room after the room has cooled down.
Remove objects and substances not suitable for these temperatures from the room. Observe the combustibility of the objects and substances in the room.

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.

Warning
Improper installation entails a risk of fire.
Do not place the device on combustible ground.
Do not place the device on high-pile carpets.

Warning
In order to avoid overheating and fire hazards, the device must not be covered!

Note
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.

Note
Only operate the device using the various application programmes and with the corresponding system components.
Make sure that a HEPA filter is inserted for HEPA air purification.

Behaviour in the event of an emergency

1. Switch off the device at the main switch.
2. Secure the device against restart.
3. Make sure that neither you nor other persons access the danger area.
4. 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.
5. Do not reconnect a defective device to the mains.

Only take the device back into operation once the emergency has been resolved.

Information about the device

Device description

The device is designed to be a mobile solution for room frost protection, comfort heating, pest control, surface decontamination, HEPA filter operation and room decontamination.

Each device comes equipped with the respective application programmes which can be adjusted as needed. For example, you can adapt the type of treatment, the duration and the target temperature.

Variable equipment option: Depending on the application purpose, you can use the system component combinations with DualDecon blowing-out tower (standard) or TAC XT 18 / TAC XT 27 with DualHeat blowing-out tower.

Application purpose	**Combination of system components**	
	DualDecon	**DualHeat**
Thermal decontamination in target room, including air purification	x	
Thermal decontamination in target room		x
Decontamination including air purification via supply air from installation in another room	x	
Thermal decontamination via supply air from installation in another room		x
Pest control	x	x
HEPA filter air purification	x	
Central room heating with optional air purification	x	
Central room heating	x	x
Decentralised room heating via existing ventilation systems or textile air distributors	x	x

Generally, the TAC XT 18 / TAC XT 27 is delivered with the DualDecon blowing-out tower.

Functioning principle

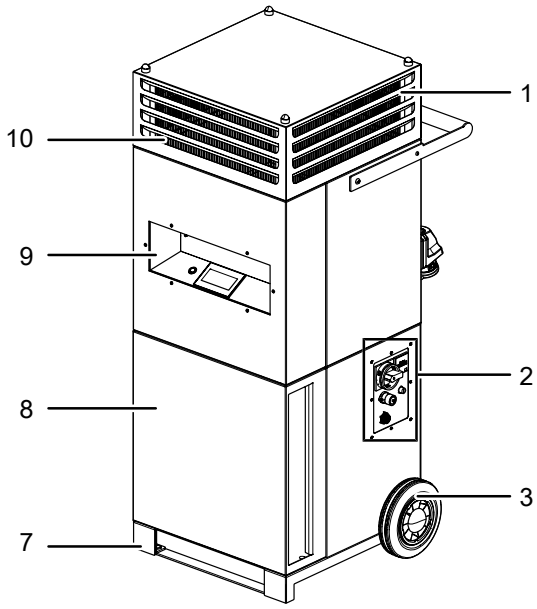
The air is taken in by the fan via the air inlet with air filter and will be heated by means of the multi-stage electric heating. Optionally, the heated air can be purified with a HEPA filter. Afterwards, the air will be evenly distributed throughout the room via the blowing-out tower. The device can also be connected to a ventilation system using an attachment hood on a hose connection.

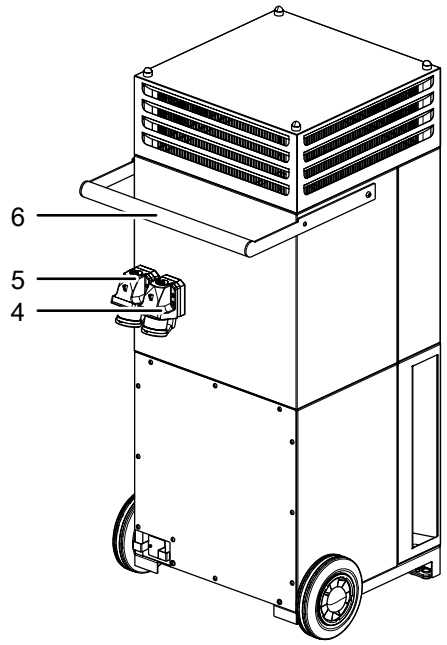
For the purpose of pest control, no HEPA filter should be installed on the device, so as to allow for a maximum air flow rate.

If the device is operated with a ventilation system, the use of an external thermostat (HG 125 - 6.100.002.042) is required.

The blowing-out temperature (identical to the supply temperature) can be set up to maximally 95 °C. The temperature sensors at the air inlet and the air outlet regulate the adjusted room temperature within a narrow range as they activate or disactivate additional individual heating elements.

Device depiction





No.	Designation
1	Blowing-out tower (DualDecon version depicted)
2	Connections and main switch
3	Wheel
4	Power connection 2
5	Power connection 1
6	Transport handle
7	Foot
8	Air inlet with air filter
9	Display and button
10	HEPA filter

Transport and storage

Note

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

Transport

To make the device easier to transport, it is fitted with a transport handle and two wheels.

Wear foot protection

Wear suitable foot protection transporting the device. Risk of injury caused by the foot when setting down the device.

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.
- Do not use the power cable to drag the device.
- Only wheel the device on a level and smooth surface.
- Remove all packing materials which serve to protect the device during transport.
- Should the device be damaged, please contact the responsible dealer or manufacturer, where the purchase was made.
- Carefully tilt the device. Do not incline more than necessary.
- Carefully set the device back down again.
- The device may only be lifted at the points provided with lifting gear intended for handling. The carrying capacity of the lifting gear must be suitable for the weight of the device (see technical data).

After transporting the device, proceed as follows:

- Set up the device in an upright position after transport.

Storage

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

- Store the device in a dry location and protected from frost and heat.
- If required, use a cover to protect the device from invasive dust.
- Before restarting the device, check the condition of the power cable. If there are doubts as to the sound condition, contact the customer service.
- Have the device checked once a year by an electrically skilled person at any rate.

Assembly and installation

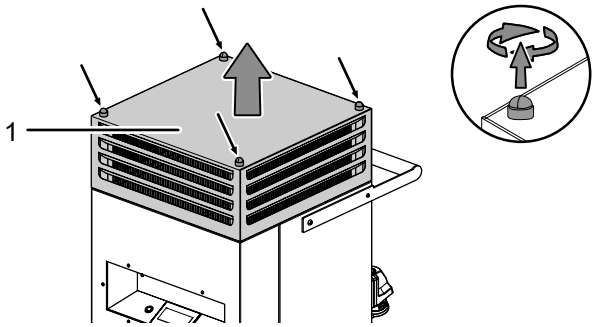
Scope of delivery

- 1 x Device
- 1 x DualDecon blowing-out tower
- 1 x Prefilter G4
- 1 x Manual

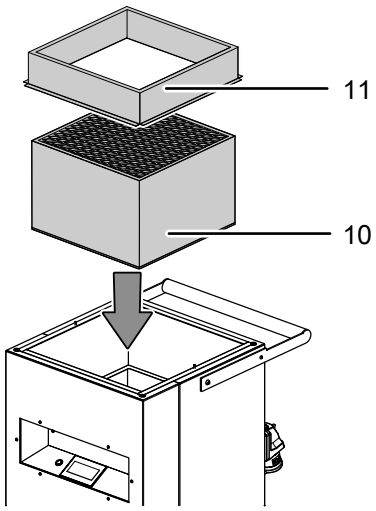
Assembly

Installation of the blowing-out tower and insertion of the HEPA filter (optional)

1. Using a screwdriver, remove the protective caps of the 4 screws from the top of the device.
2. Remove all 4 screws.
3. Take off the blowing-out tower (1) from the device.

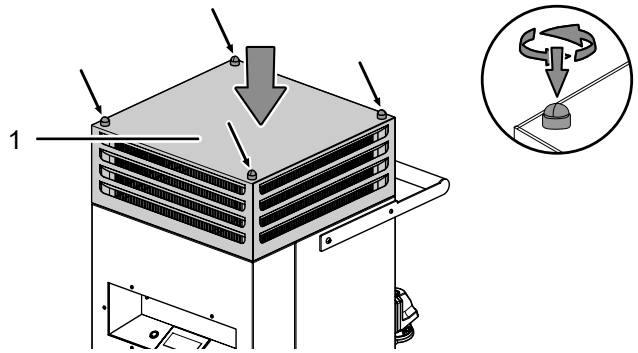


4. Insert a HEPA filter (10) for the air purification mode.
   ⇨ Pest control requires a maximum air flow rate. Therefore we recommend not using a HEPA filter for this application.
   ⇨ The HEPA filter (optional) may only be used with the upper filter insert (11).



5. Place the desired blowing-out tower (1) on the device.

6. Fasten the blowing-out tower by means of the screws.



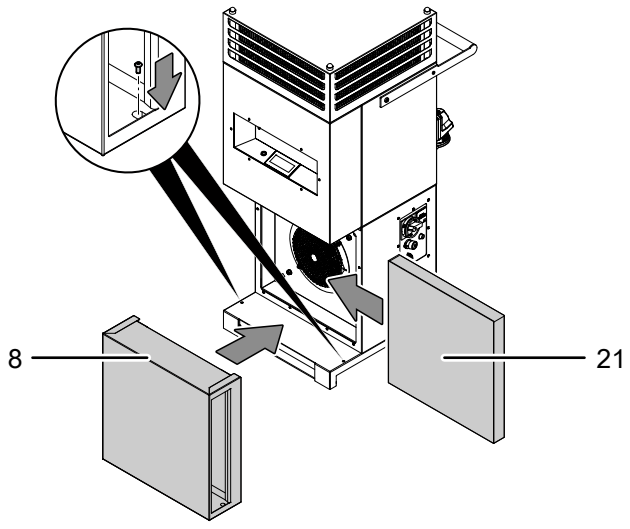
7. Put the protective caps back on the screws.

Inserting the prefilter

As a standard, the TAC XT comes equipped with a prefilter of the class COARSE 75% (G4) (article number: 7.160.000.457). When applying the HEPA filter, use the fine prefilter ePM 10 85% (F7) (article number: 6.100.007.062).

Proceed as follows to insert the prefilter:

1. Loosen the screws on the air inlet (8) on both sides and pull out the air inlet towards the front of the device.
2. Insert the new prefilter (21) into the device.
   ⇨ Observe the installation direction. The black fleece must be on the outside.
3. Put the air inlet (8) back on the device and tighten the screws on both insides of the device.

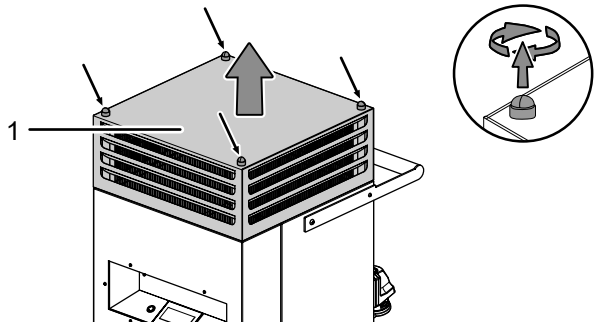


Assembling the discharge pipe (optional)

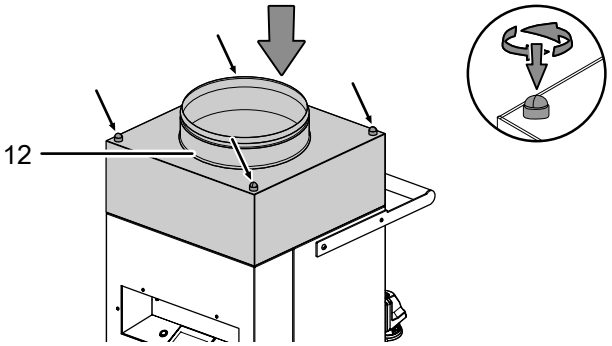
As an option to the blowing-out tower you can mount a discharge pipe. To do so, please proceed as follows:

✓ The HEPA filter is already preassembled.

1. Using a screwdriver, remove the protective caps of the 4 screws from the top of the device.
2. Remove all 4 screws.
3. Take off the blowing-out tower (1) from the device.



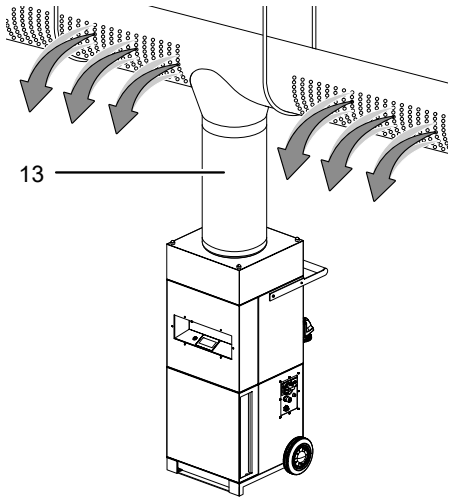
4. Place the hood for the discharge pipe (12; (article number: 6.100.007.061)) on the device.



5. Tighten the hood for the discharge pipe (12) using the screws.
6. Put the protective caps back on the screws.
7. Fasten the pipe (13) or a tube for distributing the heated air to the connection hood.

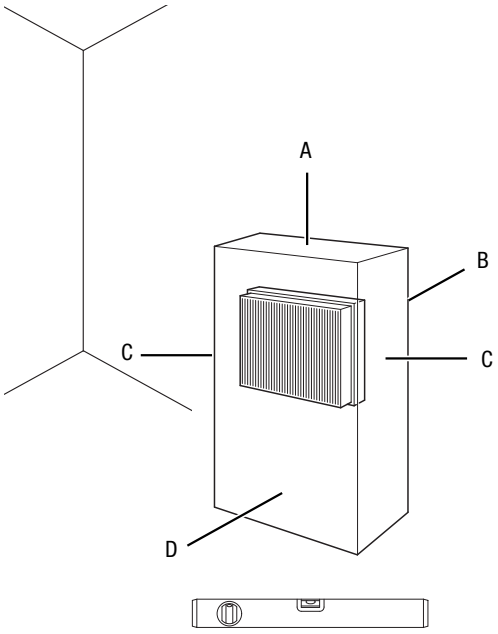
8. Ensure that the pipe or tube and the hood are tightly secured.
   ⇨ Ensure that the pipe or tube connected is heat-resistant.

Connection example:



Start-up

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



- Before restarting the device, check the condition of the power cables. If there are doubts as to their sound condition, contact the customer service.
- The device may only be used in environments with no excessive formation of dust.
- Set the device up in an upright and stable position.
- Position the device on even, stable and heat-insensitive ground in a way to prevent it from tipping over.
- When setting up the device, ensure a sufficient distance for air inlet and outlet as well as for operation (see Technical data).
- Do not create tripping hazards when laying the power cables 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.
- Make sure that no curtains or other objects interfere with the air flow.
- Make sure that the device cannot come into contact with moisture or water.

Inserting the air filter

Note

Do not operate the device without an air filter inserted into the air inlet!
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.

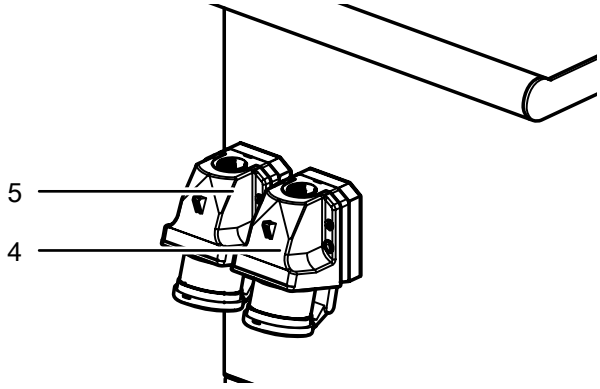
- Make sure that the air filter is installed before switching the device on.

Attaching a flowstop shutter

The optional flowstop shutters can be attached to one of the four insides of the tower. This prevents up to three sides of the tower from discharging air, e.g. if discharged air is not desired or not required on the respective side(s).

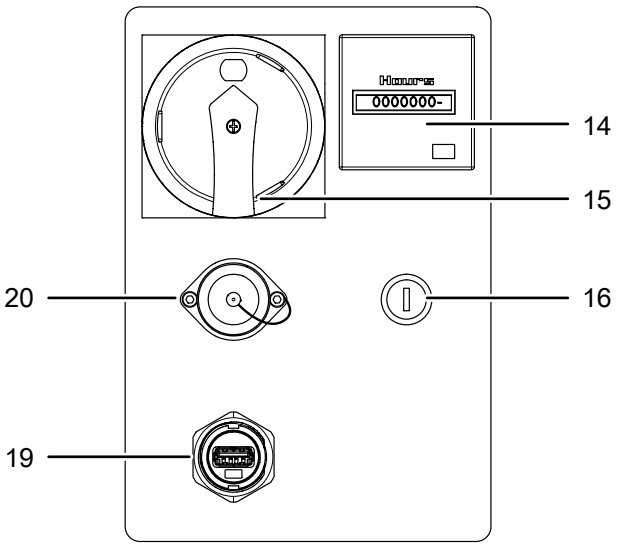
Connecting the power cable

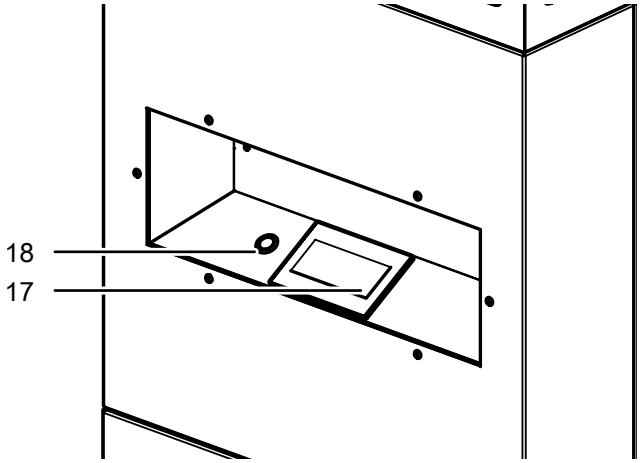
- The device is provided with two power cables. If you only connect one power cable to the an power connection 1 (5), the TAC XT 18 only supplies 9 kW and the TAC XT 27 supplies 18 kW. Connection of the second power cable to power connection 2 (4), the devices will supply their maximum power. The device can be operated with a generator with sufficient capacity. Take into consideration that the heat output of the device is controlled, so that the generator connected has to adapt to the control. Ensure in advance whether the generator complies with the power supply of the device.



Operation

Operating elements

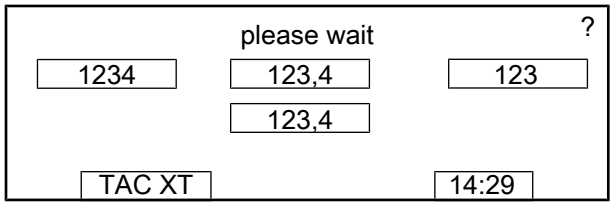




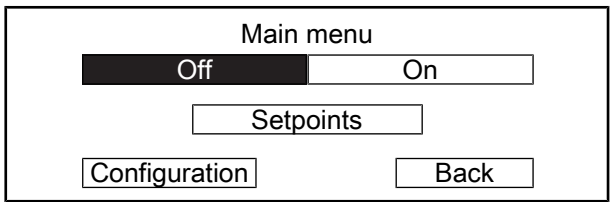
No.	Designation	Meaning
14	Operating hours counter	Indication of operating hours
15	Main switch	Switching the device on or off
16	Fusing for safety temperature limiter	Triggers in the event of overheating
17	Touchscreen	Selection of programmes and adjustment of parameters
18	*Start/stop* key	Starting or exiting the program
19	USB interface with locking cap	Update of the control software via USB flash drive with application software
20	Thermostat connection (hygrostat HG 125)	• Temperature measurement of other rooms when connected to a ventilation system • If the thermostat is connected, the room thermostat inside the device will be deactivated

Switching the device on

1. Once you have completely installed the device as described in the Start-up chapter, you can switch it on.
2. Turn the main switch (15) to **1**.
   ⇨ The device is initialized.
   ⇨ *Please wait* will be indicated on the display.



   ⇨ Once the device has been initialised, the display switches to standby mode.
3. Briefly touch the centre of the display.
   ⇨ The main menu appears on the display.

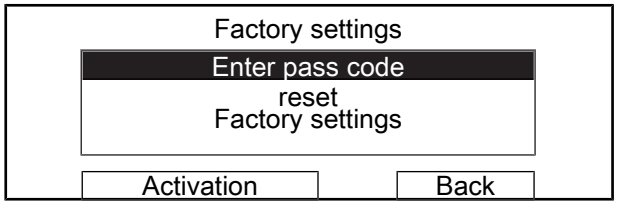


4. If required, select the device function and carry out the settings of the setpoints (see the following sections in the "Operation" chapter).
5. Start the device or function by pressing the *On* button.

Enter the pass code

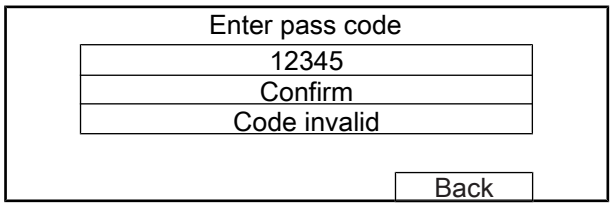
You might be requested to enter your pass code at initial start-up.

The following screen will appear:



Please proceed as follows to enter the pass code:

1. Press the *Enter pass code* button.
2. Enter the pass code.
3. Press the *Accept* button to confirm the entry.
   ⇨ If the pass code is incorrect *Code invalid* is displayed. If the entry is correct, it is saved.



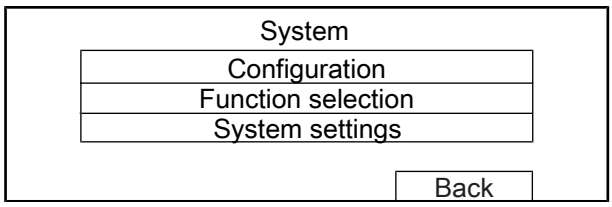
4. Press the *Back* button to exit the pass code entry area.

Note

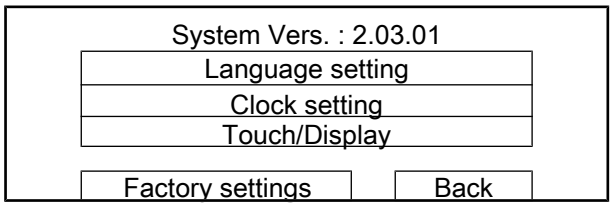
If you forget the PIN, you will not be able to unlock the display. In this case you can request an emergency unlock code via the Trotec GmbH service hotline on +49 02452 962-730. The service hotline is available Monday to Thursday from 8 am to 5:30 pm and Friday until 5 pm. You need the date and time indicated on the display. You can view the information by pressing the time button.

Language setting

1. Press the *Configuration* button in the main menu.
   ⇨ Buttons for further settings will be indicated on the display.



2. Press the *System settings* button.
   ⇨ The following screen is shown:



3. Press the *Language selection* button to select a language.
4. Use the arrow buttons to select the desired language.
5. Confirm the language selection by pressing the *Confirm* button.
6. Press the *Back* button to exit the language settings.

Setting the time

1. Press the following buttons in the main menu to set the time:
   ⇨ *Configuration*
   ⇨ *System settings*
   ⇨ *Clock setting*
2. Use the arrow buttons to set the time.
   ⇨ The settings are applied immediately.
3. Press the *Back* button to exit the time settings.

Display

1. Press the following buttons in the main menu to make touchscreen settings:
   ⇨ *Configuration*
   ⇨ *System settings*
   ⇨ *Touch/display*
2. Adjust the settings as desired:
   ⇨ *Contrast*: Use the arrow buttons to set the contrast.
   ⇨ *Touch beep on/off*: Press the button to switch the touch tone on or off.
3. Press the *Back* button to return to the main menu.

Device functions

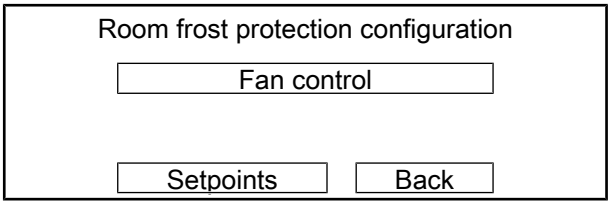
The device comes with the following device functions:

- Room frost protection
- Comfort heating
- Pest control
- Surface decontamination
- HEPA filter operation
- Room decontamination

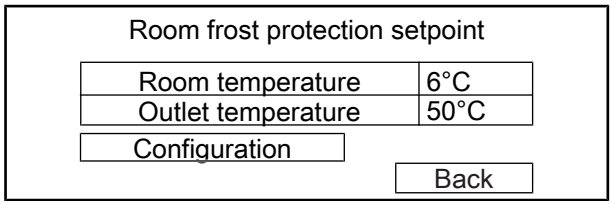
Room frost protection

The room frost protection function serves to keep a room free of frost.

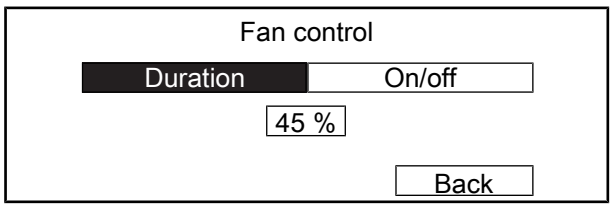
1. Press the following buttons in the main menu to carry out settings regarding the room frost protection function:
   ⇨ *Configuration*
   ⇨ *Configuration*
   ⇨ *Room frost protection configuration*
   ⇨ The following screen will appear, allowing you to carry out settings regarding the room frost protection function:



2. Press the *Setpoints* button.
   ⇨ The following screen is shown:



3. Press the *Room temperature* button on the *Room frost protection setpoint* screen.
4. Press the *°C specification* button to set the room temperature on the next screen via the arrow buttons.
5. Press the *Back* button to return to the *Room frost protection setpoint* screen.
6. Press the *Blowing-out temperature* button on the *Room frost protection setpoint* screen.
7. Press the *°C specification* button to set the desired blowing-out temperature on the next screen via the arrow buttons.
8. Press the *Configuration* button on the *Room frost protection setpoint* screen to save the settings.
9. Press the *Back* button to return to the *Room frost protection configuration* screen.
10. Press the *Fan control* button.
    ⇨ The following screen is shown:

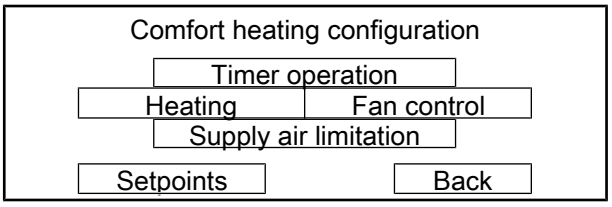


11. Press the *Duration* or *On/off* button on the *Fan control* screen.
    ⇨ If the *Duration* button is activated, the device runs in continuous operation. To carry out this setting, press the *% specification* button on the *Fan control* screen to adjust the fan operating time via the arrow buttons on the next screen. Press the *Back* button twice to return to the *Room frost protection configuration* screen.
    ⇨ If the *On/off* button is activated, the fan switches off automatically once the room temperature exceeds the setpoint by 1 °C. The fan is switched on again once the room temperature drops below the setpoint by 1 °C. Press the *Back* button to return to the *Room frost protection configuration* screen.

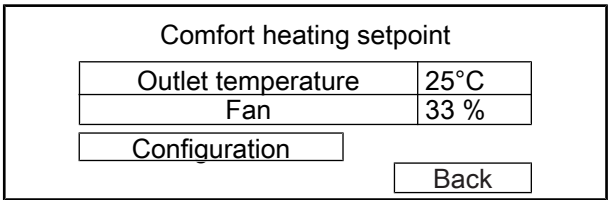
Comfort heating

The comfort heating function is used for heating the room where the device is installed, providing maximum user comfort, in continuous operation or by means of an operating time preselection in timer mode.

1. Press the following buttons in the main menu to carry out settings regarding comfort heating:
   ⇨ *Configuration*
   ⇨ *Configuration*
   ⇨ *Comfort heating configuration*
   ⇨ The following screen will appear, allowing you to carry out settings regarding the comfort heating function:



2. Press the *Setpoints* button.
   ⇨ The following screen is shown:



3. Press the *Blowing-out temperature* button on the *Comfort heating setpoint* screen.
4. Press the *°C specification* button to set the blowing-out temperature on the next screen via the arrow buttons.
5. Press the *Fan*s button in the *Comfort heating setpoint* screen.
6. Press the *% specification* button to set the air volume flow in the next screen via the arrow buttons.
7. Press the *Configuration* button on the *Comfort heating setpoint* screen to save the settings.
8. Press the *Back* button to return to the *Comfort heating configuration* screen.
9. Press the *Timer mode* button.
10. Press the *Off* or *On* button on the *Timer mode* screen to deactivate or activate the timer.
    ⇨ When the *On* button is activated, the timer starts running once the device is switched on. When the set time has elapsed, the device switches off.
11. Press the *Minutes* button.
12. Press the arrow buttons on the *Operating time* screen to set the operating time.
13. Press the *Back* button twice to return to the *Comfort heating configuration* screen.
14. Press the *Heating* button.
15. Press the *Room* or *Supply air* button in the *Heating* screen.
    ⇨ You can either set the room temperature via the *Room* button or the supply air temperature (corresponds to the temperature of the blown-out air) via the *Supply air* button.
    ⇨ The room temperature is controlled automatically.
    ⇨ The supply air temperature is maintained at a constant level.
16. Press the *°C specification* button on the *Heating* screen to either set the room temperature or the supply air temperature on the next screen.
17. Press the *Back* button twice to return to the *Comfort heating configuration* screen.
18. Press the *Fan control* button.
19. Press the *Fixed speed* or *Auto* button on the Fan control screen.
    ⇨ You can either set or activate the fixed speed of the fan via the *Fixed speed* button or automatic control via the *Auto* button.
    ⇨ If the *Fixed speed* button is activated, press the *% specification* button to set the fixed speed on the next screen via the arrow buttons. Then press the *Back* button to return to the *Comfort heating configuration* screen.
    ⇨ With automatic control, the fan setpoint as a function of the difference between the current room temperature and the room temperature setpoint is calculated and displayed on the screen.
20. Press the *Supply air limitation* button to carry out temperature settings of the blown-out air.
21. Press the *Flexible* or *Off* button in the *Supply air limitation* screen.
    ⇨ If the *Fixed* button is activated, you can alter the fixed supply air temperature (minimum and maximum values).
    ⇨ If the *Flexible* button is activated, you can alter the flexible supply air temperature (minimum and maximum limitation values).

Info

If the device is installed in the room to be heated, the “flexible” setting is recommended. In this way it is prevent that very warm air will blow on persons standing or sitting directly near the device.
Alternatively, the supply air temperature can be limited to a fixed temperature.

⇨ If the *Off* button is activated, the settings are deactivated. If the supply air temperature limitation function is switched off, the maximum limit of the supply air temperature will be 100 °C.

22. Press the *Back* button twice to return to the *Comfort heating configuration* screen.

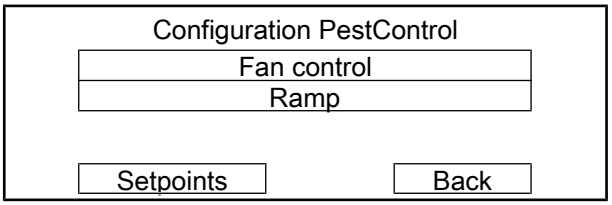
Pest control

Note

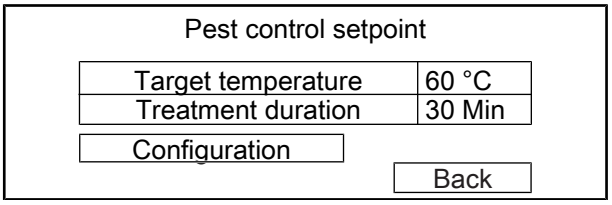
Different pests require different approaches of pest control. By variation of the temperature and by heating, thermal pest control can be adapted to the pest infestation and the room situation.

With the pest control function (PestControl) the pests in the room where the device is installed are killed off.

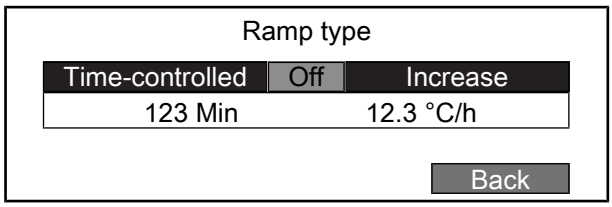
1. Press the following buttons in the main menu to carry out settings regarding the pest control function:
   ⇨ *Configuration*
   ⇨ *Configuration*
   ⇨ *Pest control configuration*
   ⇨ The following screen will appear, allowing you to carry out settings regarding the pest control function:



2. Press the *Setpoints* button.
   ⇨ The following screen is shown:



3. Press the *Target temperature* button in the *Pest control setpoint* screen.
4. Press the *°C-specification* button to alter the target temperature on the next screen via the arrow buttons.
5. Press the *Treatment duration* button.
6. Press the *Min specification* button to alter the treatment duration on the next screen via the arrow buttons.
7. Press the *Configuration* button on the *Pest control setpoint* screen to save the settings.
8. Press the *Back* button to return to the *Pest control configuration* screen.
9. Press the *Fan control* button.
10. Press the *% specification* button on the *Fan control* screen to alter the fan setpoint via the arrow buttons on the next screen.
11. Press the *Back* button to return to the *Pest control configuration* screen.
12. Press the *Ramp* button to set the ramp for pest control.
    ⇨ The following screen is shown:

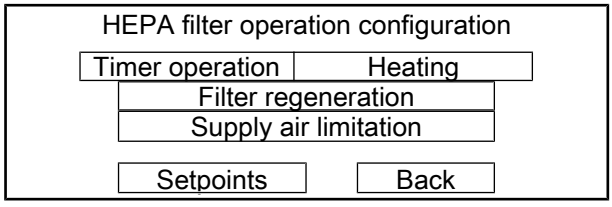


13. Press the *Time-controlled* or *Increase* button on the *Ramp type* screen.
    ⇨ If the *Time-controlled* button is activated, you can alter the ramp time. Press the *Min specification* button to alter the ramp time on the next screen via the arrow buttons. After switching on the device, the room temperature setpoint is increased from the current room temperature at switch-on to the target temperature within the ramp time set.
    ⇨ If the *Increase* button is activated, you can also alter the ramp time. Press the *Min specification* button to alter the ramp time on the next screen via the arrow buttons. The room temperature setpoint is raised with the increase specified, starting from the current room temperature at switch-on until the target temperature has been reached.
14. Press the *Back* button twice to return to the *Pest control configuration* screen.

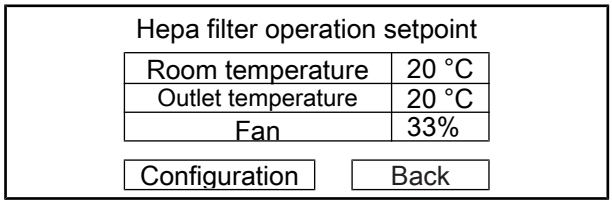
HEPA filter operation

If HEPA filter operation is activated, the room air is purified with the integrated H14 HEPA filter (optional).

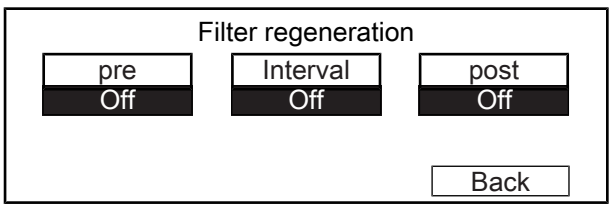
1. Press the following buttons in the main menu to carry out settings for HEPA filter operation:
   ⇨ *Configuration*
   ⇨ *Configuration*
   ⇨ *HEPA filter operation configuration*
   ⇨ The following screen will appear, allowing you to carry out settings regarding HEPA filter operation:



2. Press the *Setpoints* button.
   ⇨ The following screen is shown:

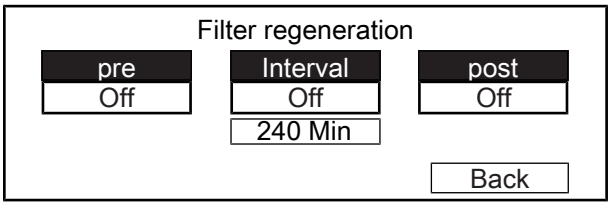


3. Press the *Room temperature* button on the *HEPA filter operation setpoint* screen.
4. Press the *°C-specification* button next to the *room temperature* button to alter the room temperature on the next screen via the arrow buttons.
5. Press the *°C-specification* button next to the *blow-out temperature* button to alter the blow-out temperature on the next screen via the arrow buttons.
6. Press the *°C-specification* button to alter the air volume flow on the next screen via the arrow buttons.
7. Press the *Configuration* button on the *HEPA filter operation setpoint* screen to save the settings.
8. Press the *Back* button to return to the *HEPA filter operation configuration* screen.
9. Press the *Timer mode* button.
10. Press the *Off* or *On* button on the *Timer mode* screen to deactivate or activate the timer.
    - ⇨ When the *On* button is activated, the timer starts running once the device is switched on. When the set time has elapsed, the device switches off. Press the *Min specification* button to alter the operating time on the next screen via the arrow buttons. Press the *Back* button twice to return to the *HEPA filter operation configuration* screen.
    - ⇨ If the *Off* button is activated, the settings are deactivated. Press the *Back* button to return to the *HEPA filter operation configuration* screen.
11. Press the *Heating* button.
12. Press the *Room* or *Supply air* button in the *Heating* screen.
    - ⇨ If the *Room* button is activated, you can alter the room temperature. Press the *°C specification* button to set the temperature via the arrow buttons. The room temperature is controlled automatically.
    - ⇨ If the *Supply air* button is activated, you can alter the supply air temperature (temperature of the blown-out air). Press the *°C specification* button to set the temperature via the arrow buttons. The supply air temperature is maintained at a constant level.
13. Press the *Back* button twice to return to the *HEPA filter operation configuration* screen.
14. Press the *Regenerate filter* button.
    - ⇨ The following display opens.



- ⇨ The enabled buttons are shown in black.

15. Press one or several buttons to activate filter regeneration as follows.
    - ⇨ pre: filter regeneration is carried out before air cleaning operation.
    - ⇨ interval: filter regeneration is always carried out after a certain air cleaning operating time. If this function is activated, the set time will be shown on the screen.
    - ⇨ post: filter regeneration is carried out after air cleaning operation.



Info

Combinations of all three settings are possible, as shown on the screen below.

16. If *Interval* is selected, press the displayed time to adjust the time using the arrow buttons or by entering it directly.
    - ⇨ During the regeneration process, the filter will be heated to 100 °C; the interval is 30 minutes.
    - ⇨ The **warning light** (12) is illuminated in blue during filter regeneration.

Warning

Do **not** switch off the device during filter regeneration!

17. Press the *Minutes specification* button to alter the minute specification setpoint on the next screen.
18. Press the *Back* button twice to return to the *HEPA filter operation configuration* screen.
19. Press the *Supply air limitation* button.
    - ⇨ The supply air temperature limitation is activated once room temperature control has been selected.
20. Press the *Min* or *Max* button on the supply air limitation screen.
21. Press the *°C specification* button to set the temperature on the next screen via the arrow buttons.
22. Press the *Back* button twice to return to the *HEPA filter operation configuration* screen.
23. Press the *Setpoints* button.

Recommendations for filter regeneration:

Under normal environmental conditions, such as those prevailing in offices, schools, kindergartens or public buildings, it is sufficient to regenerate the filter once a week. If the air cleaner is used in cool areas with high humidity levels, e.g. in slaughterhouses or in the food industry in general, we recommend to regenerate the filter daily.

Note

During decontamination, an odour may be produced, which is harmless.

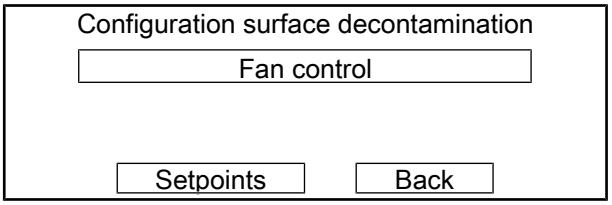
Note

The software monitors whether filter regeneration is carried out regularly. After 50 hours of air cleaning operation, a message appears with the option of starting filter regeneration immediately. If filter regeneration is not started at this time, the number of days by which filter regeneration is overdue will be displayed each time the device is switched on.

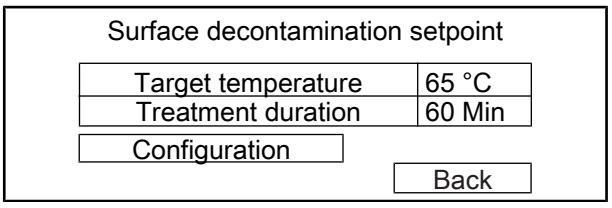
Surface decontamination

Surface decontamination allows to thermally decontaminate a variety of different surfaces within closed rooms. In this operating mode, the room is heated to the temperature set before. The temperature level is maintained for a defined time.

1. Press the following buttons in the main menu to carry out settings regarding the surface decontamination function:
   ⇨ *Configuration*
   ⇨ *Configuration*
   ⇨ *Configuration surface decontamination*
   ⇨ The following screen for setting surface decontamination will appear.



2. Press the *Setpoints* button.
   ⇨ The following screen is shown:

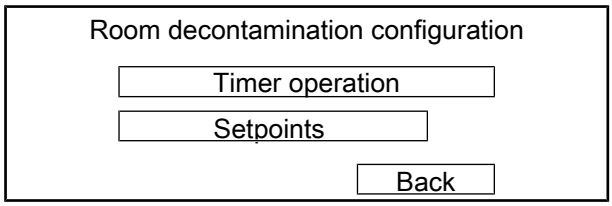


3. Press the *Target temperature* button on the *Surface decontamination setpoint* screen.
4. Press the *°C-specification* button to alter the target temperature on the next screen via the arrow buttons.
5. Press the *Treatment duration* button.
6. Press the *Min specification* button to alter the treatment duration on the next screen via the arrow buttons.
7. Press the *Configuration* button in the *Surface decontamination setpoint* screen to save the settings.
8. Press the *Back* button to return to the *Surface decontamination configuration* screen.
9. Press the *Fan control* button.
10. Press the *Fixed speed* button or *Auto* button in the *Fan control* screen.
    ⇨ If the *Fixed speed* button is activated, press the *% specification* button to alter the fan setpoint in the next screen via the arrow buttons.
    ⇨ If the *Auto* button is activated, the fan setpoint is calculated as a function of the current room temperature. With an increasing room temperature, the fan speed of 33% increases in a linear fashion.
11. Press the *Back* button twice to return to the *Surface decontamination configuration* screen.

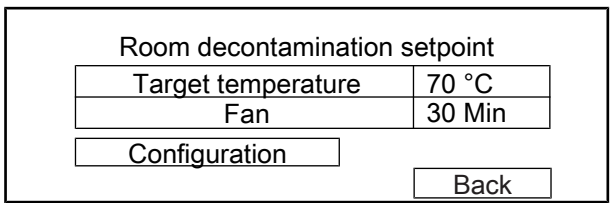
Room decontamination

With the room decontamination function, objects can be thermally decontaminated within closed rooms. This operating mode is very similar to the surface decontamination mode. However, different values are preset for room decontamination, which are optimised for the decontamination of batches (e.g. clothing).

1. Press the following buttons in the main menu to set room decontamination:
   ⇨ *Configuration*
   ⇨ *Configuration*
   ⇨ *Room decontamination configuration*
   ⇨ The following screen for setting room decontamination will appear:



2. Press the *Setpoints* button.
   ⇨ The following screen is shown:



3. Press the *Target temperature* button in the *Room decontamination setpoint* screen.
4. Press the *°C specification* button to set the target temperature in the next screen via the arrow buttons.

5. Press the *Fan*s button in the *Room decontamination setpoint* screen.
6. Press the *% specification* button to set the air volume flow in the next screen via the arrow buttons.
7. Press the *Configuration* button in the *Room decontamination setpoint* screen to save the settings.
8. Press the *Back* button to return to the *Room decontamination configuration* screen.
9. Press the *Timer mode* button.
   ⇨ The screen for setting the timer mode will appear.
10. Press the *Operating duration*, the *Treatment duration* or the *Continuous operation* button.
    ⇨ The settings for the operating duration, treatment duration and continuous operation cannot be activated in parallel.
    ⇨ When selecting the operating duration or treatment duration, the supply temperature is maintained at a constant level.
    ⇨ With the activation of the treatment duration, the time that has been set starts running as soon as the room temperature set is reached.
    ⇨ With the activation of the operating duration, the time starts running as soon as the device is switched on.
    ⇨ With activation of continuous operation, the device must be switched off manually.
11. Press the *Back* button to return to the *Room decontamination configuration* screen.

Switch-off

Warning of hot surface
Parts of this appliance can become very hot and cause burns. Particular attention is to be paid when there are children or vulnerable persons present!

Warning of hot surface
The room temperature may increase up to 75 °C during operation.
Note that the surfaces in the room may be hot after the treatment.

1. Actuate the *Off* or *Start/Stop* button (18) in the main menu display on the device. Once the timer has been programmed, the device switches off automatically.
   ⇨ The fan keeps running for approx. 3 minutes to dissipate the residual heat from the heating elements.
2. Switch the device off afterwards by turning the main switch to **0** position.

Shutdown

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

1. Proceed as described in the Switch-off section.
2. Hold onto the mains plug while pulling the it out of the mains socket.
3. Clean the device according to the Maintenance chapter.
4. Store the device according to the Storage chapter.

Available accessories

Warning
Only use accessories and additional equipment specified in the instructions.
Using insertion tools or accessories other than those specified in the instructions may cause a risk of injury.

Warning
In order to prevent a potential fire hazard, only use the original Trotec **heat-resistant H14 HEPA filter**.

Designation	Article number
DualHeat blowing-out tower	6.100.007.060
Attachment hood for hose connection	6.100.007.061
Heat-resistant H14 HEPA filter	7.160.000.106
Hygrostat HG 125	6.100.002.042
Prefilter ePM 10 85 % (F7)	6.100.007.062
Prefilter COARSE 75 % (G4)	7.160.000.457
Filter insert for HEPA filter H14	6.100.007.074
Power distributor PV30 32A on 2 x 16A	6.100.002.081

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 damage.
- Check the mains plug for damages.
- Check the on-site fusing.
- Check whether the device is standing upright and on level ground. The tilt protection may have been tripped owing to the fact that the device was knocked over. Always put up the device in an upright position on a suitable, sufficiently dimensioned surface.
- The safety thermostat might have tripped due to overheating Switch the device off and let it cool down for at least 10 minutes.
- The room thermostat might be defective. Have a defective room thermostat replaced by a specialist electrical company.
- The overheating protection may have been tripped. Have a specialist electrical company or Trotec check the electrics and replace the overheating protection.

The device is loud or vibrates:

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

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

- 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 or by Trotec.

The device still does not operate correctly after these checks:

Please contact the customer service. If necessary, bring the device to an authorised specialist electrical company or to Trotec for repair.

Error messages

The following error messages can be indicated on the display (17):

> **Note**
> At room temperatures above 65 °C, the display will be switched off. If the temperature drops below 65 °C, the display is connected again.

Message	Cause	Troubleshooting
Airflow too low	The fan is not working or the fan speed is too low. Possibly the intake grille, filter or suction tube is dirty.	Restart the device and ensure that the fan is working or increase the fan speed. Check the intake components for dirt and clean them if required.
Filter dirty	The air filter is contaminated.	Replace the filter.
Overheating protection room temperature	The adjusted room air temperature has been exceeded.	Switch the device off and allow the room to cool down.
Overheating protection motor	The device is overheating.	Disconnect the device from the mains and allow it to cool down.
Sensor fault	A temperature sensor is defective.	Switch the device off and check the temperature sensors.

Maintenance

Trotec electric heaters are designed for long hours of operation with minimum maintenance effort. Safe operation of the device requires all built-in components, especially the safety temperature limiter (STB), to be checked and cleaned after 6 months at the latest or after every 4,000 operating hours as well as all damaged components to be replaced.

Prior to cleaning the interior, protect the fan and further electrical components from water ingress with appropriate means.

Maintenance intervals

Maintenance and care interval	before every start-up	as needed	at least every 4 weeks	at least every 6 months	at least annually	TAC XT 2-3 years
Check air filter, air inlets and outlets for dirt and foreign objects and clean if necessary	X					
Exterior and interior cleaning		X				
Visually check the inside of the device for dirt		X				
Replace HEPA filter (optional)						X
Replace G4 Z-line prefilter				X		
Clean or replace the protective fleece at the air outlet		X				
Clean or replace the prefilter fleece		X				
Check for damage	X					
Check the attachment screws		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
Check air filter, air inlets and outlets for dirt and foreign objects and clean if necessary																
Cleaning the exterior																
Visually check the inside of the device for dirt																
Replace HEPA filter																
Replace the G4 Z-line prefilter																
Clean or replace the protective fleece at the air outlet																
Clean or replace the prefilter fleece																
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

Maintenance tasks and repair work may only be performed by qualified electricians or Trotec.

Warning

Observe local provisions and regulations on hygiene when cleaning. Protect yourself during cleaning and maintenance work with suitable protective equipment (e.g. protective mask, protective glasses and gloves).

Note

Prior to cleaning the interior, protect the fan and further electrical components from water ingress with appropriate means.

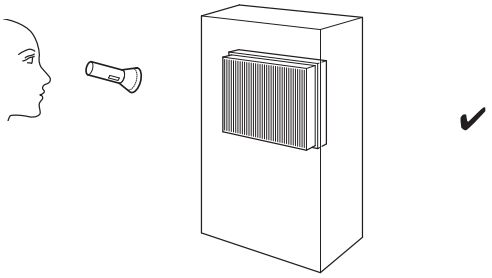
Cleaning the housing

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

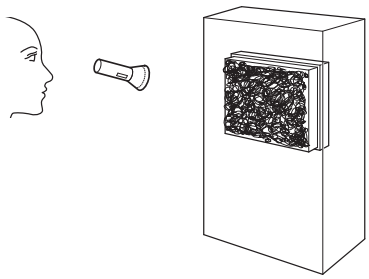
Wipe the housing dry after cleaning.

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 or by Trotec.
5. Put the air filter back in.



✔



✘

Changing the filter

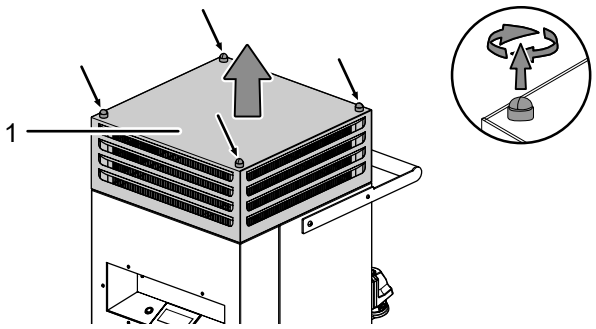
The filter change intervals depend on the degree of air pollution and the filter quality. Dirty filters impair the performance ability of the device. When a certain degree of pollution of the filter is reached, a warning is shown on the display. In this case, reinsert a new filter.

Info

If a warning to change the HEPA filter is displayed, first check whether the prefilter fleece is dirty. Replace the HEPA filter with a new filter if you have replaced or cleaned the prefilter fleece and the warning message is still indicated.

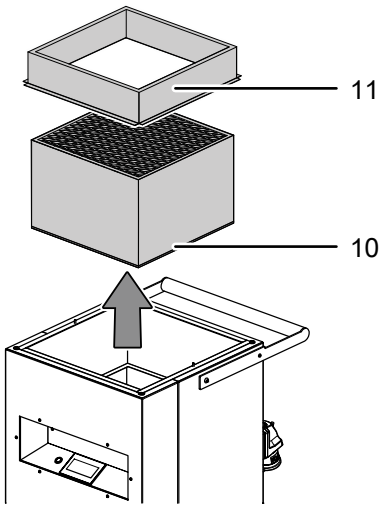
Please proceed as follows to change the HEPA filter:

1. Using a screwdriver, remove the protective caps of the 4 screws from the top of the device.
2. Remove all 4 screws.

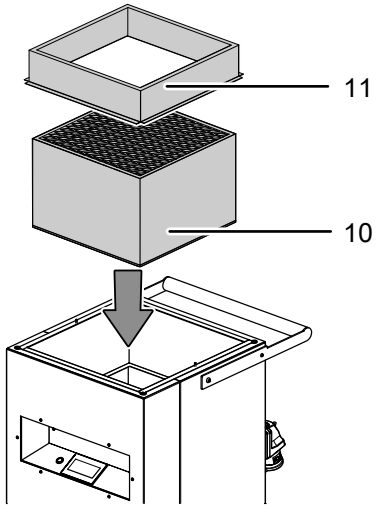


3. Take off the blowing-out tower (1) from the device and carefully put it aside.

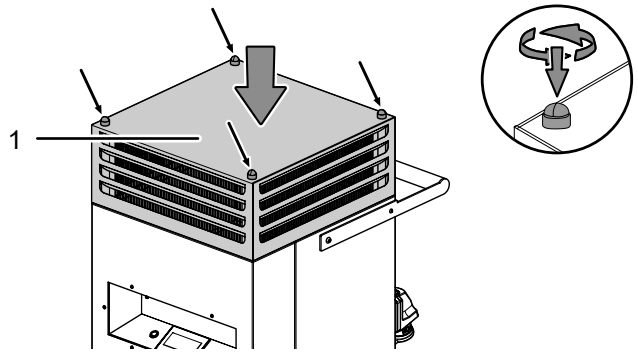
4. Remove the HEPA filter (10) and the filter insert (11) from the device.



5. Put the worn HEPA filter in a bag and dispose of it in the waste.
6. Thoroughly clean the housing from the inside and outside (see Cleaning the housing).
7. Reinsert both the filter insert (11) and the new HEPA filter into the device.



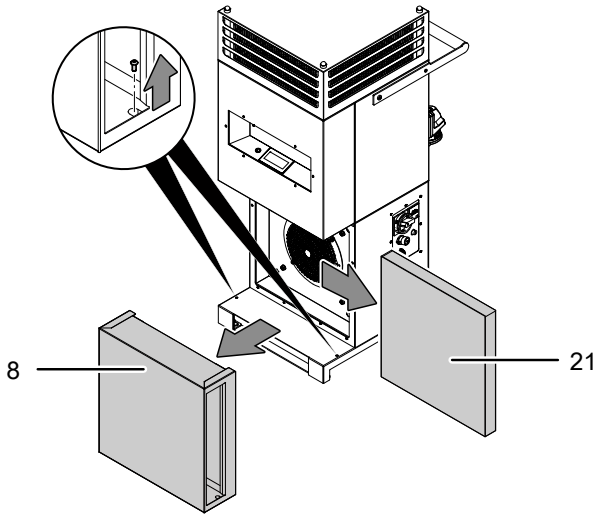
8. Fit the blowing-out tower (1) back on the device.



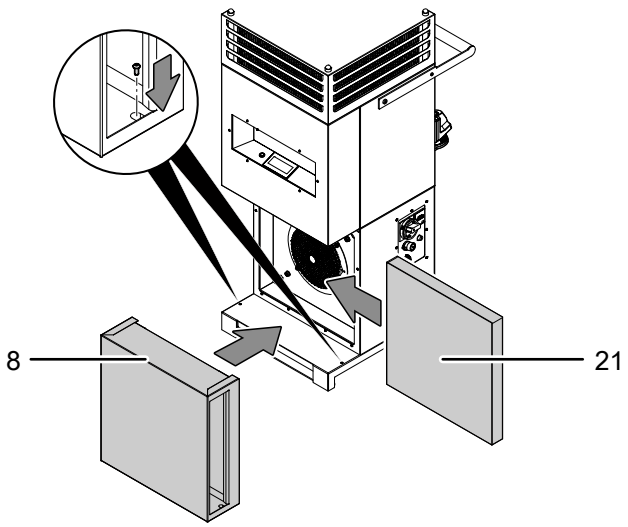
9. Fasten the blowing-out tower by means of the screws.
10. Put the protective caps back on the screws.

Please proceed as follows to change the prefilter:

1. Loosen the screws on the air inlet (8) on both sides and pull out the air inlet towards the front of the device.
2. Remove the prefilter (21).



3. Insert the new prefilter into the device.
   ⇨ Observe the installation direction. The black fleece must be on the outside.
4. Put the air inlet (8) back on the device and tighten the screws on both insides of the device.

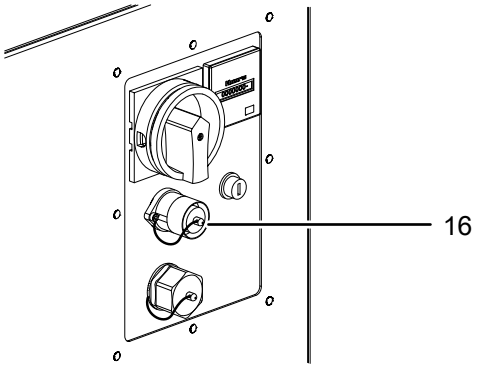


In order to reset the hours counter for the filter, proceed as follows:

1. Press the following buttons in the main menu:
   ⇨ *Configuration*
   ⇨ *System settings*
   ⇨ *Factory settings*
   ⇨ *Enter pass code*
2. Press 0.
3. Enter the user password. The user password is 1 by default.
4. Press the Confirm button, then actuate the following buttons:
   ⇨ *Back (3 x)*
   ⇨ *Oper. hours*
   ⇨ *Service counter*
5. Press the *Reset* button in the corresponding line of the changed filter.
   ⇨ The counter is reset to zero hours.

Checking the safety temperature limiter

If the safety temperature limiter (16) has triggered, allow the device to cool down. Then twist off the protective cap and press the fusing into the device until it locks into place.

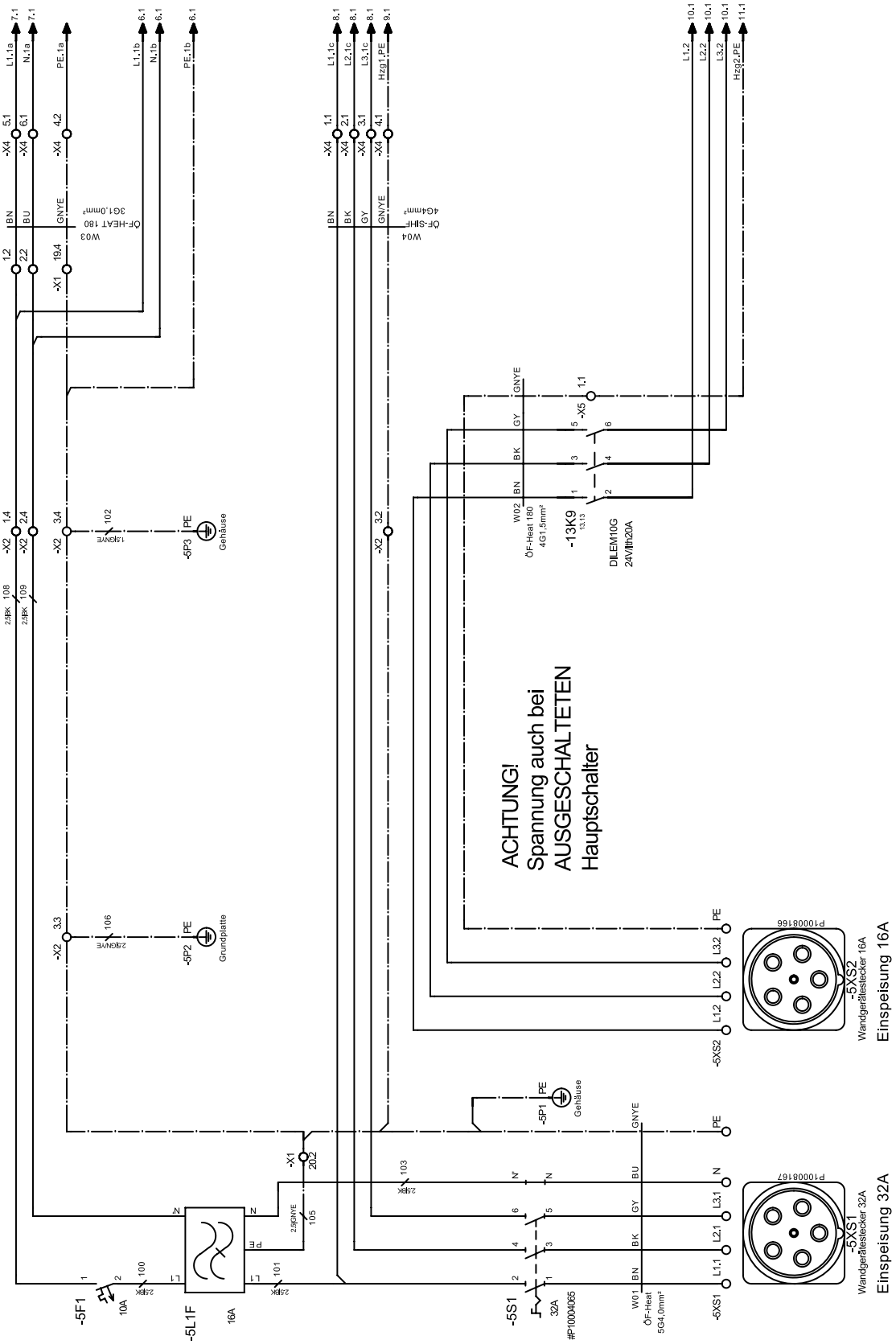


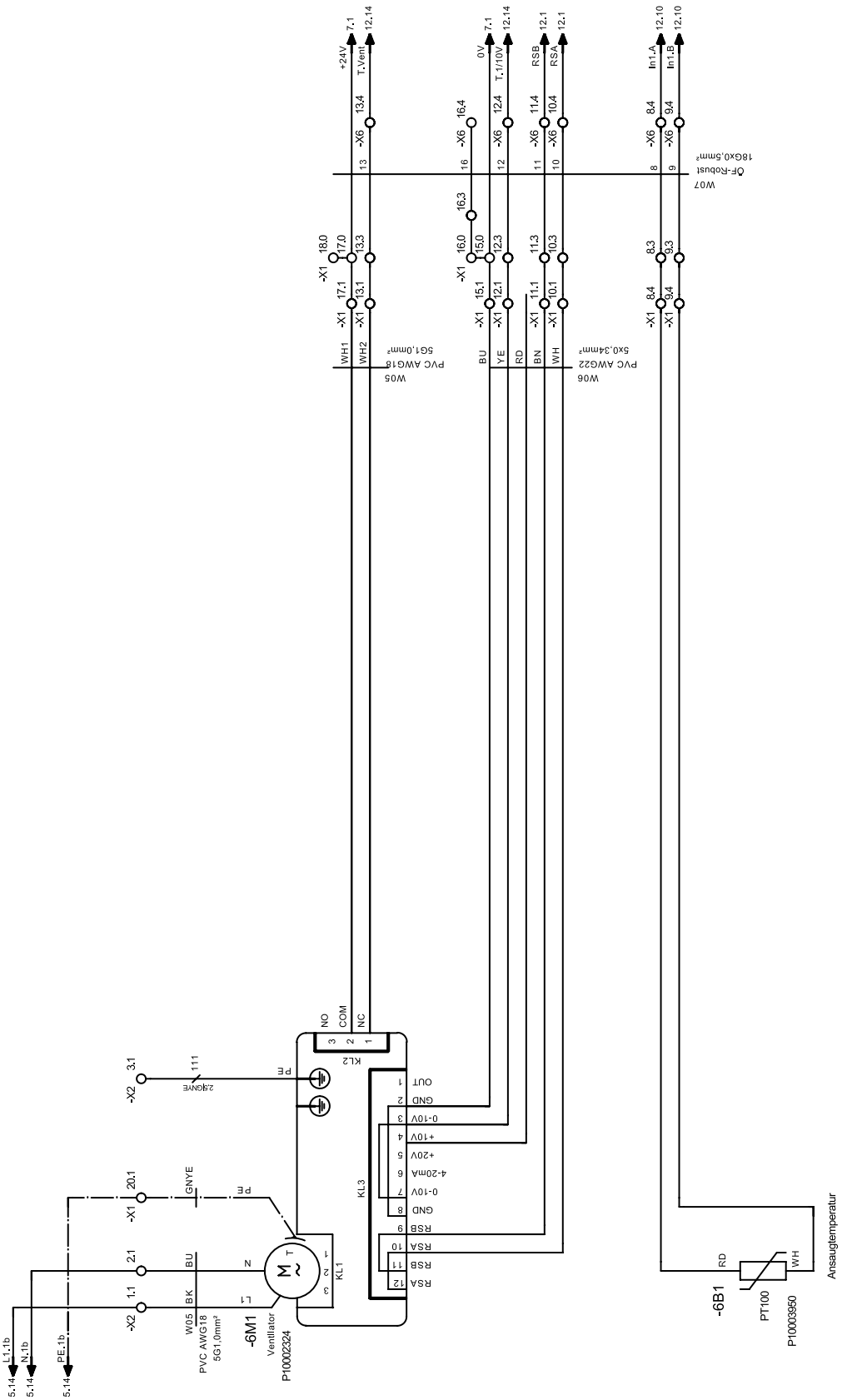
Technical annex

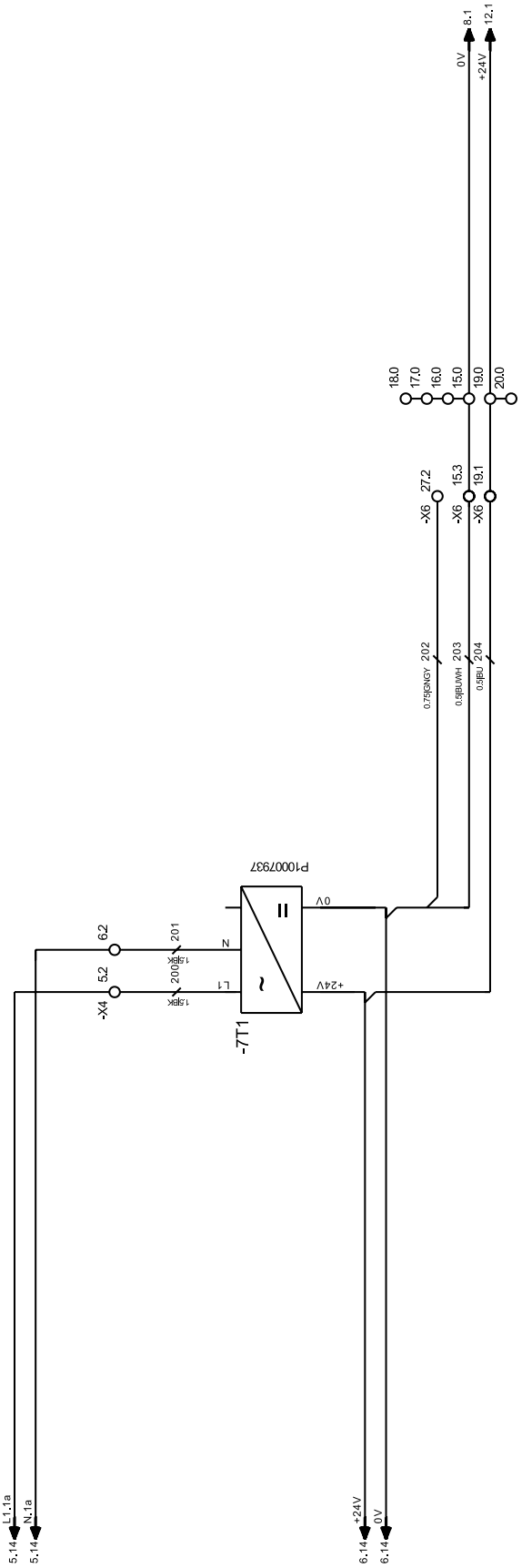
Technical data

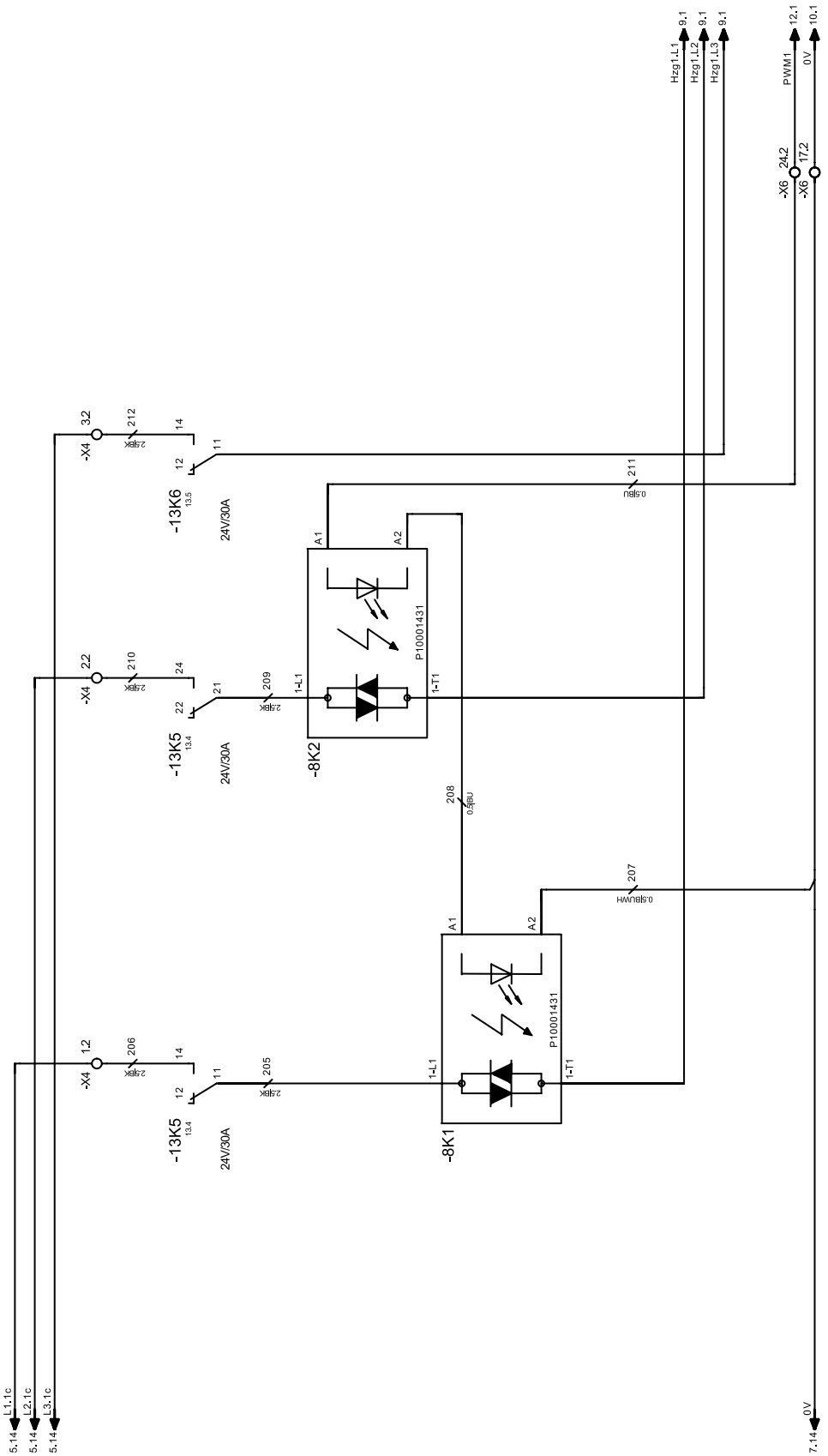
Parameter	Parameter	
Model	**TAC XT 18**	**TAC XT 27**
Heating capacity	18 kW	27 kW
Nominal current	15.9 A / 13.3 A	27.9 A / 13.3 A
Electrical connection	CEE 16 A / CEE 16 A	CEE 32 A / CEE 16 A
Input voltage	2 x 400 V 3ph / 50-60 Hz	2 x 400 V 3ph / 50-60 Hz
Max. air volume	up to 2,500 m^3/h (without HEPA filter)	up to 2,500 m^3/h (without HEPA filter)
Outlet temperature	adjustable up to max. 95 °C	adjustable up to max. 95 °C
Room / surface target temperature	adjustable up to 75 °C	adjustable up to 75 °C
Automatic control system	integrated application programmes for thermal disinfection, HEPA air purification, thermal pest control and room heating	integrated application programmes for thermal disinfection, HEPA air purification, thermal pest control and room heating
Treatment cycle	adjustable from 30 to 300 min	adjustable from 30 to 300 min
Thermostat / sensor connection	7-pin DIN socket	7-pin DIN socket
Prefilter for air filter	COARSE 75 % (G4)	COARSE 75 % (G4)
Dimensions (length x width x height)	690 x 630 x 1300 mm	690 x 630 x 1300 mm
Minimum distance to all sides during operation	30 cm	30 cm
Weight	93.1 kg	96 kg

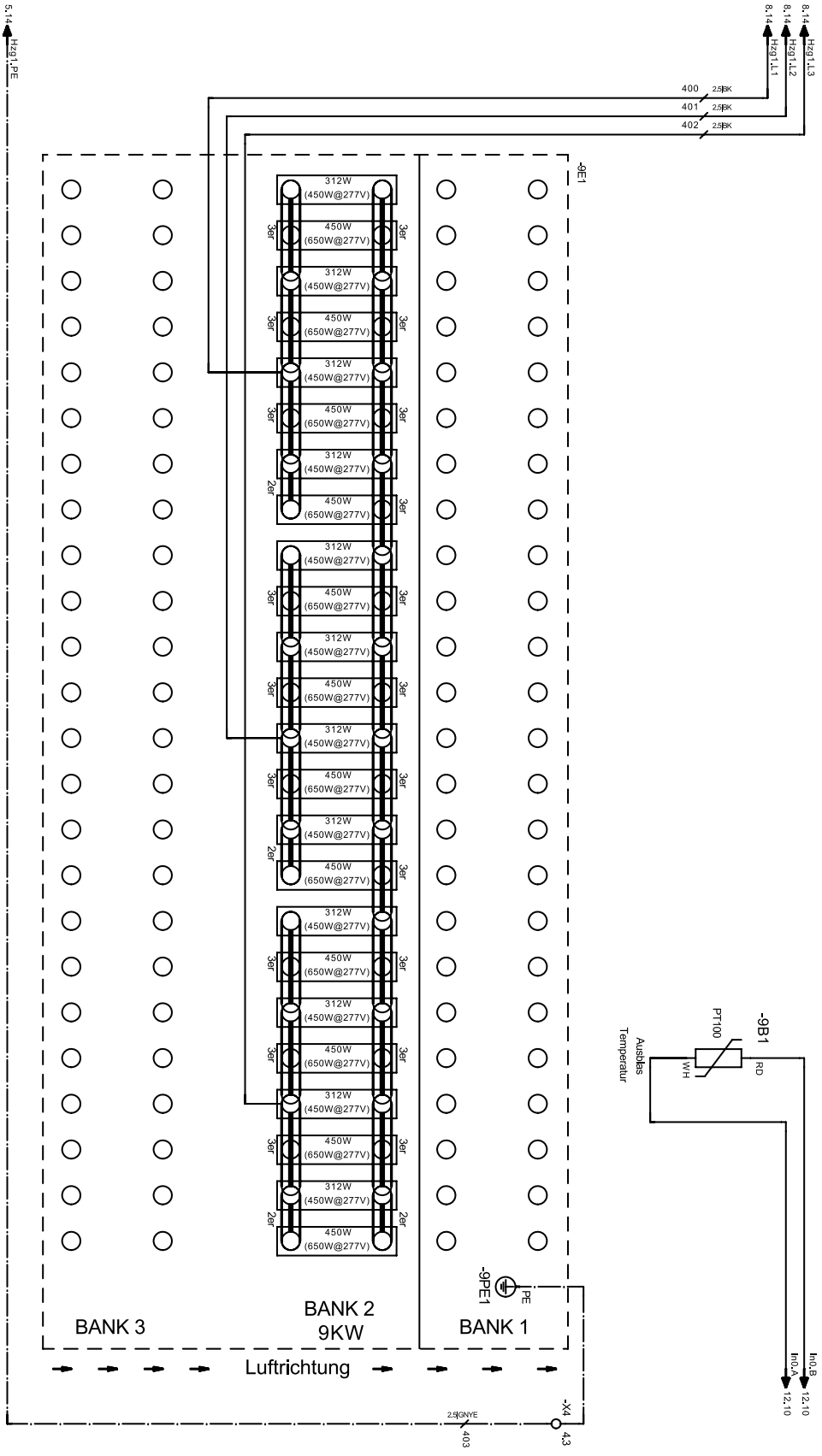
Circuits
TAC XT 18

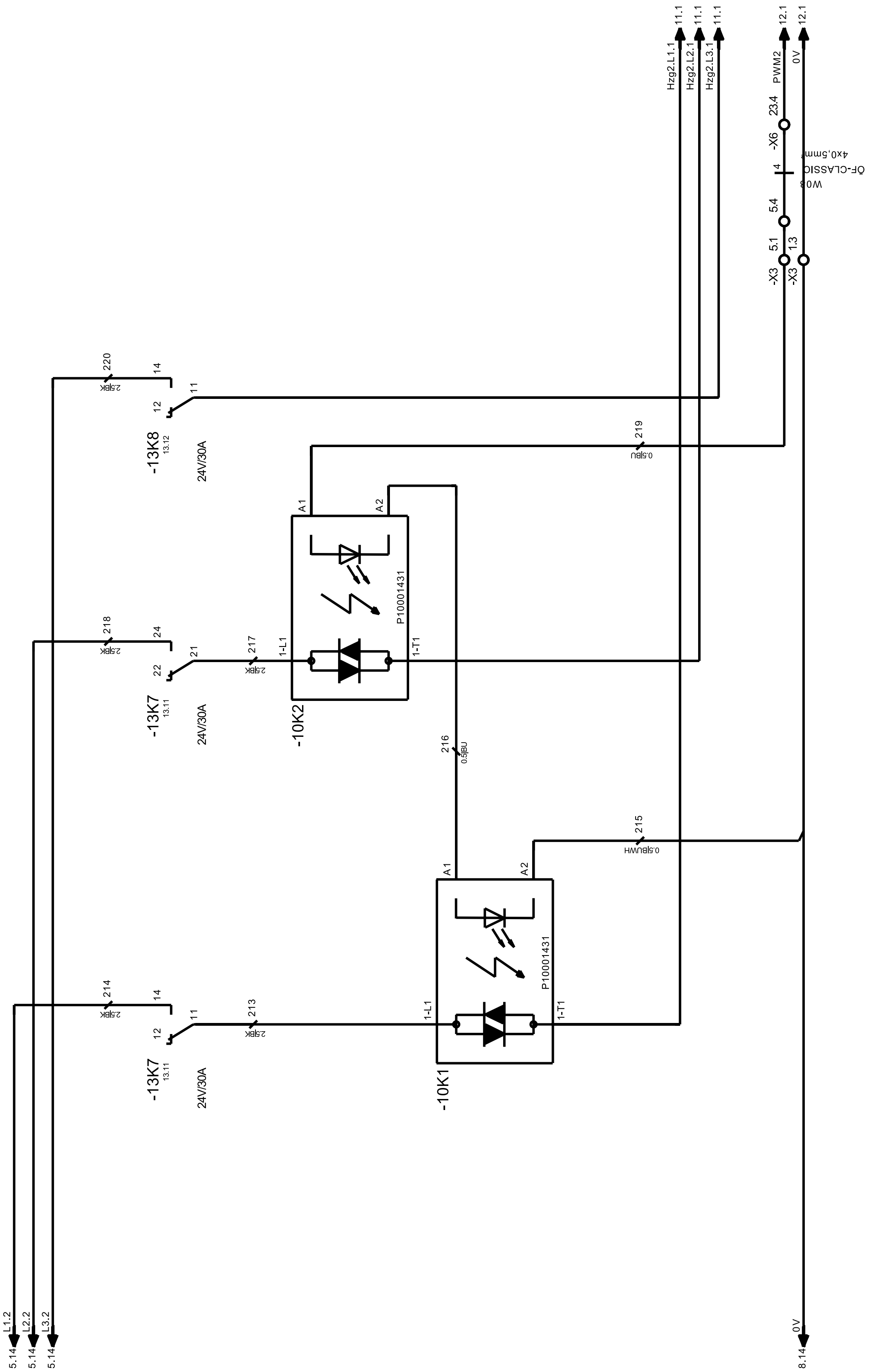



+24V
T.Vent
0V
T.1/10V
RSB
RSA
In1.A
In1.B
W07
QF-Robust
18Gx0,5mm²
W05
PVC AWG18
5G1,0mm²
W06
PVC AWG22
5x0,34mm²
KL2
NO
COM
NC
KL3
OUT
GND
0-10V
+10V
+20V
4-20mA
KL1
-6M1
Ventilator
P10002324
-6B1
PT100
P10003950
Ansaugtemperatur
L1.1b
N.1b
PE.1b

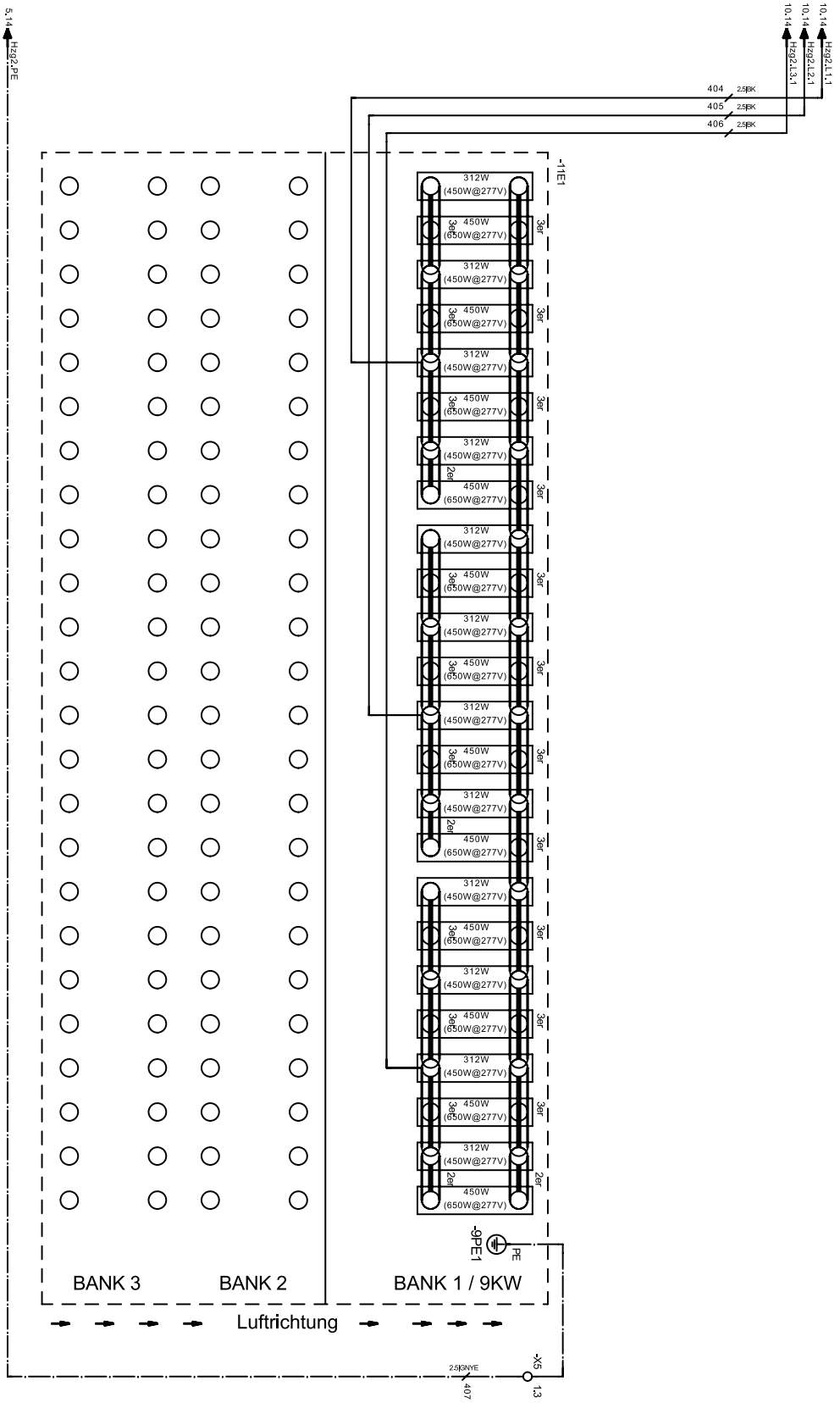

8.1
0V
12.1
+24V
18.0
17.0
16.0
15.0
19.0
20.0
27.2
15.3
19.1
-X6
-X6
-X6
202
203
204
0.75[GNGY
0.5[BUWH
0.5[BU
P10007937
0V
+24V
6.2
5.2
-X4
201
200
N
L1
-7T1
L1.1a
N.1a
5.14
5.14
+24V
0V
6.14
6.14

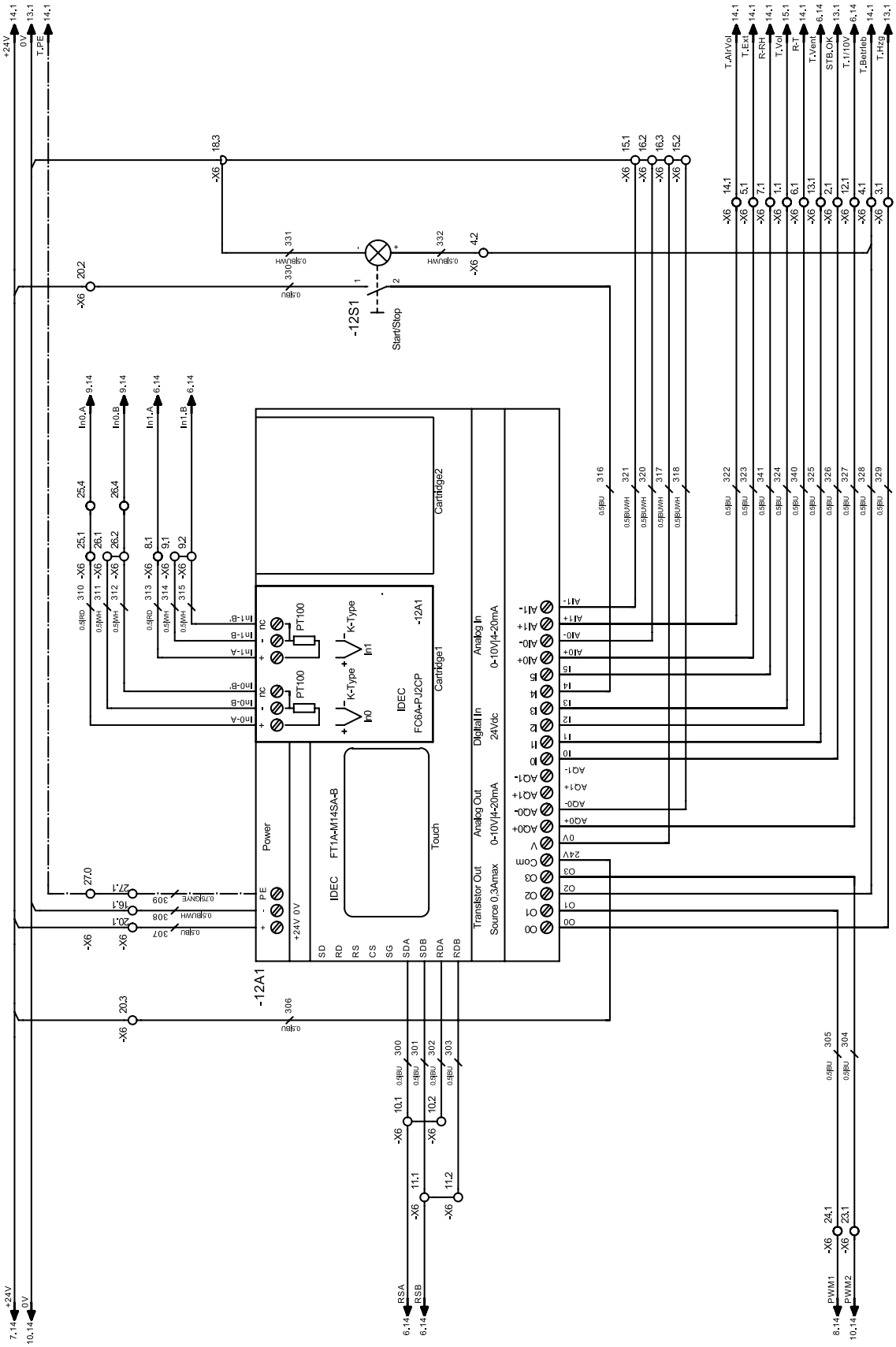

Hzg1.L1
Hzg1.L2
Hzg1.L3
9.1
9.1
9.1
PWM1
0V
12.1
10.1
-X6
24.2
-X6
17.2
-X4
3.2
212
2,5BK
14
11
12
-13K6
13.5
24V/30A
A1
A2
P10001431
211
0,5BU
-X4
2.2
210
2,5BK
24
21
22
209
2,5BK
1-L1
1-T1
-13K5
13.4
24V/30A
-8K2
208
0,5BU
207
0,5BUWH
-X4
1.2
206
2,5BK
14
11
12
205
2,5BK
-13K5
13.4
24V/30A
-8K1
L1.1c
L2.1c
L3.1c
5.14
5.14
5.14
0V
7.14

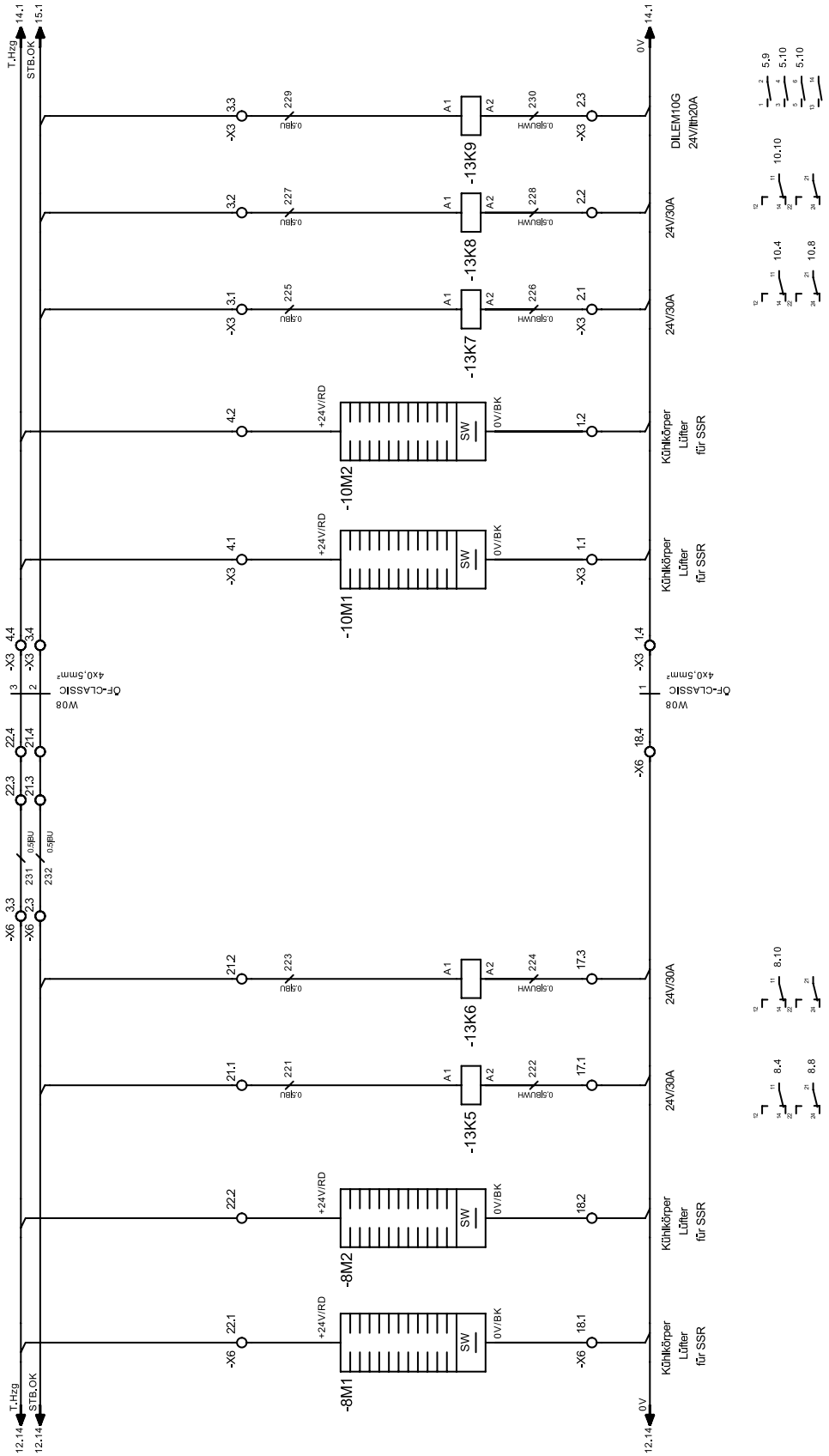

5..14
Hzg1.PE
8..14
Hzg1.L1
8..14
Hzg1.L2
8..14
Hzg1.L3
400
401
402
2,5BK
-9E1
312W
(450W@277V)
450W
(650W@277V)
3er
2er
-9PE1
PE
BANK 3
BANK 2
9KW
BANK 1
Luftrichtung
2,5GNYE
403
-X4
4.3
-9B1
PT100
Ausblas
Temperatur
WH
RD
In0.B
In0.A
12.10
12.10

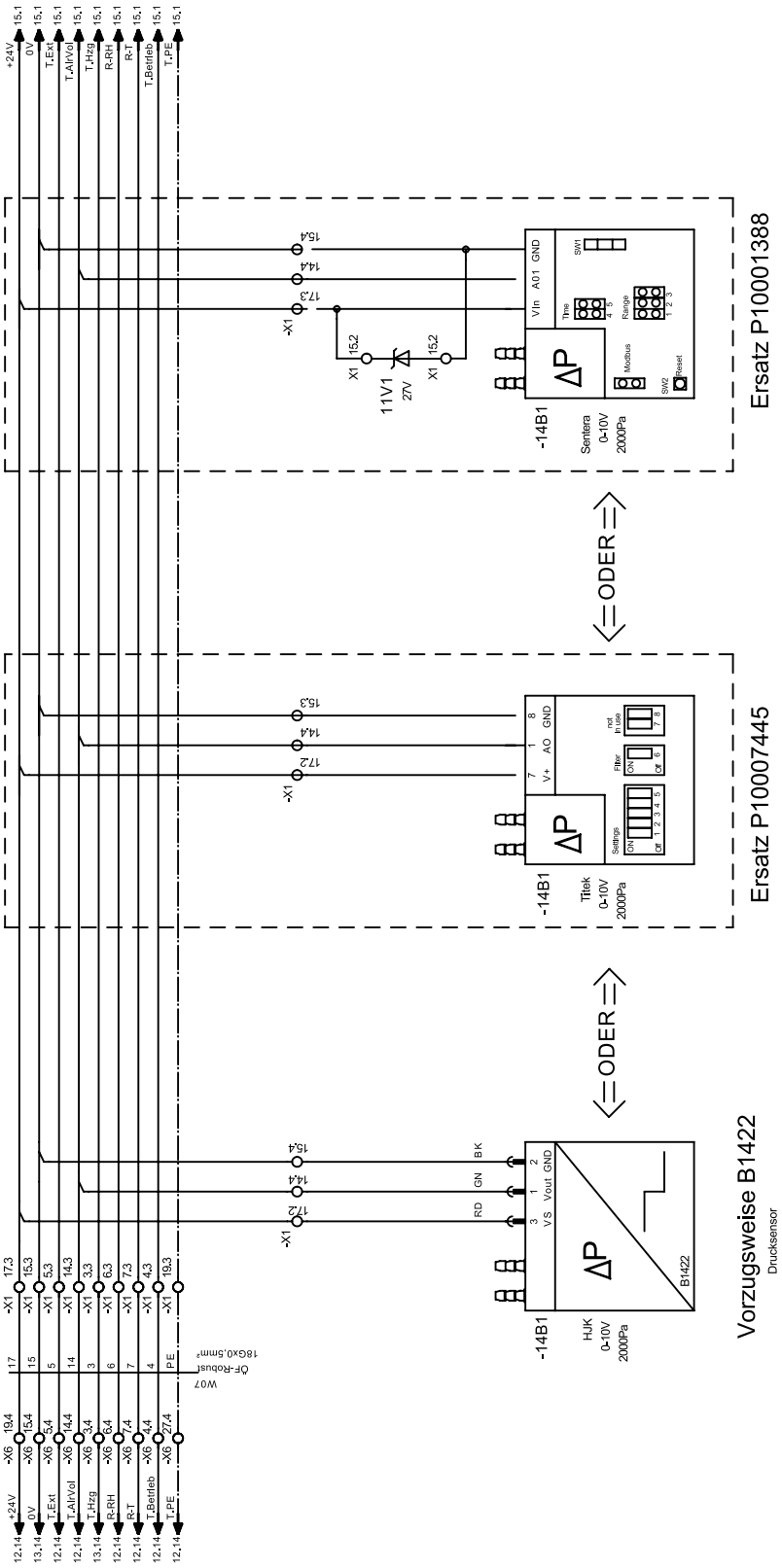


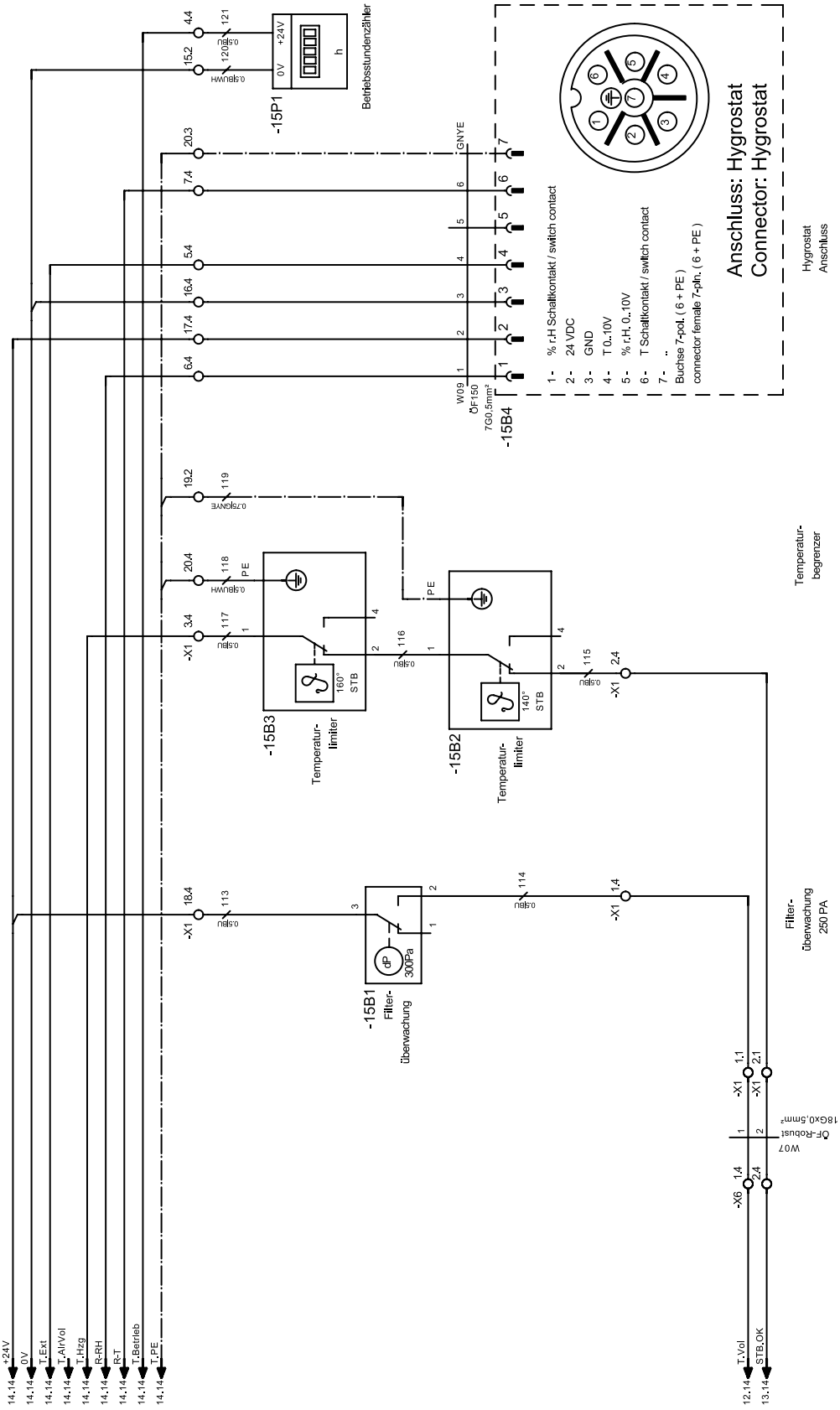
Hzg2.L1.1
Hzg2.L2.1
Hzg2.L3.1
11.1
PWM2
0V
12.1
-X6
23.4
ÖF-CLASSIC
4x0,5mm²
W08
-X3
5.4
5.1
1.3
-13K8
13.12
24V/30A
-13K7
13.11
-10K2
-10K1
P10001431
A1
A2
1-L1
1-T1
219
0,5BU
216
215
0,5BUWH
220
218
217
214
213
2,5BK
L1.2
L2.2
L3.2
5.14
8.14


5.14
Hzg2.PE
10.14
Hzg2.L3.1
10.14
Hzg2.L2.1
10.14
Hzg2.L1.1
404
405
406
2.5BK
-11E1
312W
(450W@277V)
450W
(650W@277V)
3er
2er
-9PE1
PE
BANK 3
BANK 2
BANK 1 / 9KW
Luftrichtung
2.5GNYE
407
-X5
1.3

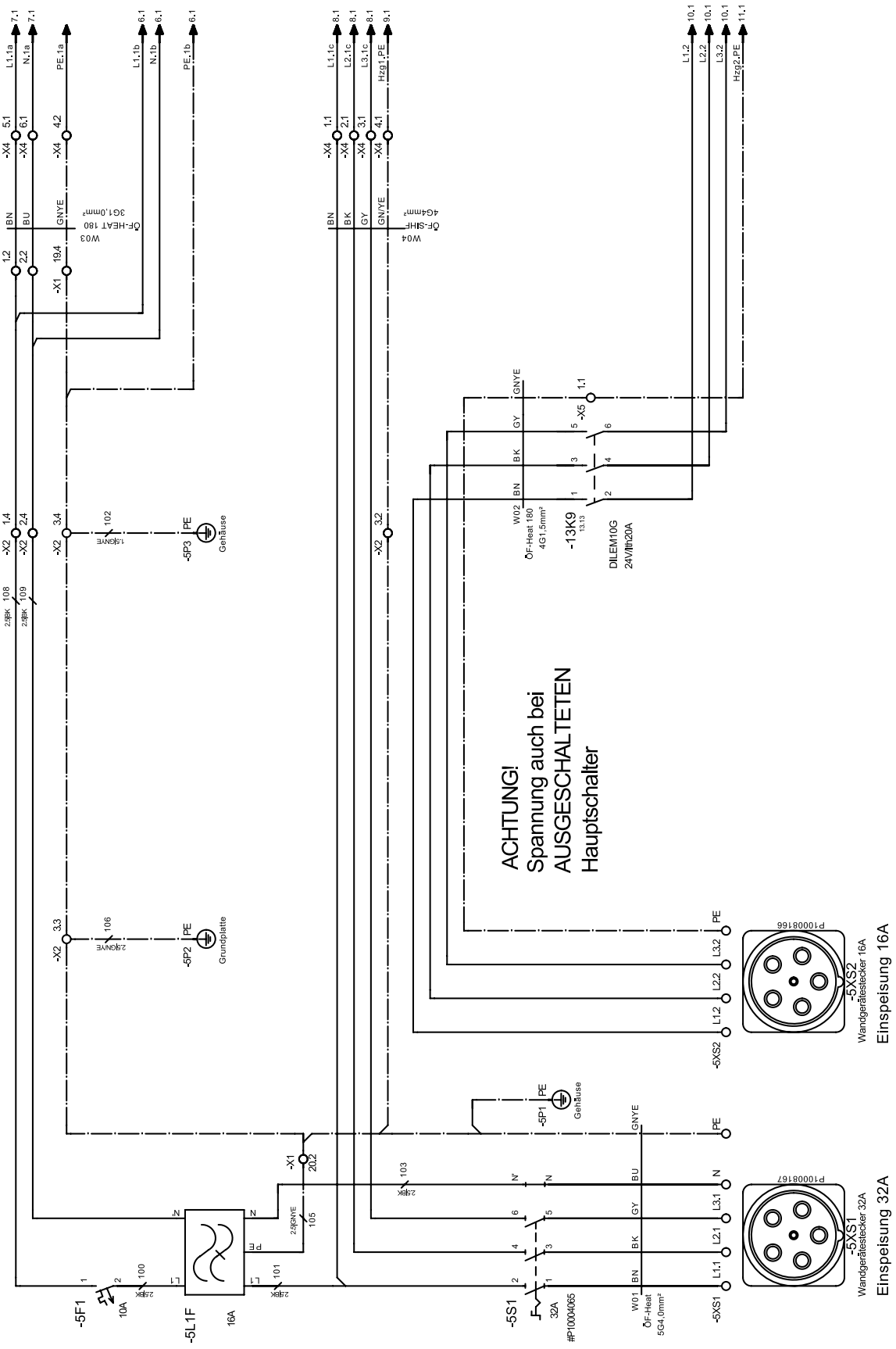

-12S1
Start/Stop
-12A1
IDEC
FT1A-M14SA-B
Touch
Power
Cartridge1
Cartridge2
IDEC
FC6A-PJ2CP
PT100
K-Type
Analog In
Digital In
Analog Out
Transistor Out
0-10V/4-20mA
24Vdc
Source 0,3Amax
T.Air/Vol
T.-Ext
R-RH
T.Vol
R-T
T.Vent
STB.OK
T.1/10V
T.Betrieb
T.Heiz
PWM1
PWM2
RSA
RSB

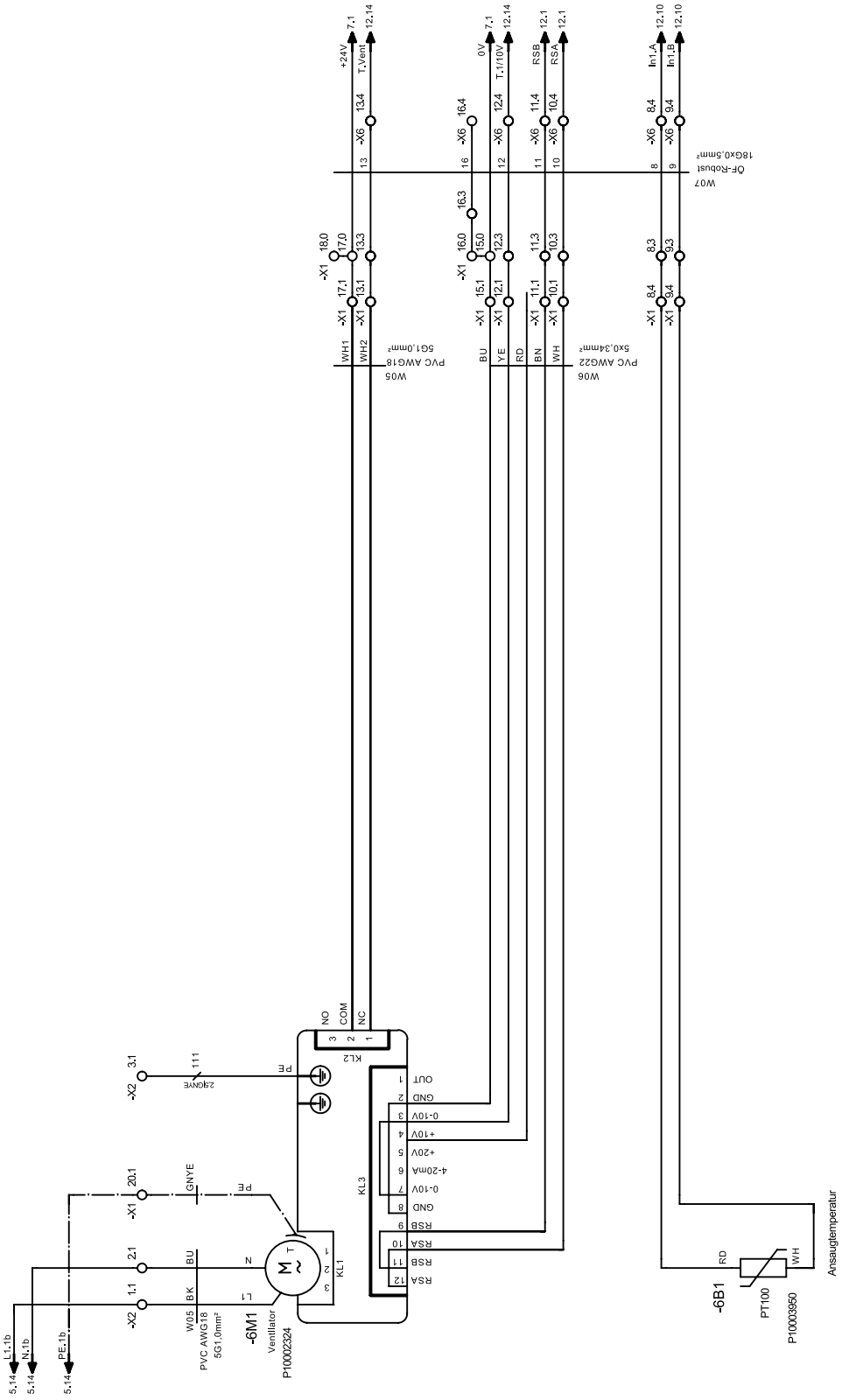

T.Hzg
STB.OK
14.1
15.1
0V
-X3
-X6
-13K9
-13K8
-13K7
-13K6
-13K5
-10M2
-10M1
-8M2
-8M1
DILEM10G
24V/th20A
24V/30A
Kühlkörper Lüfter für SSR
SW
+24V/RD
0V/BK
W08
0f-CLASSIC
4x0,5mm²
5,9
5.10
10.10
10.4
10.8
8.10
8.4
8.8
12.14

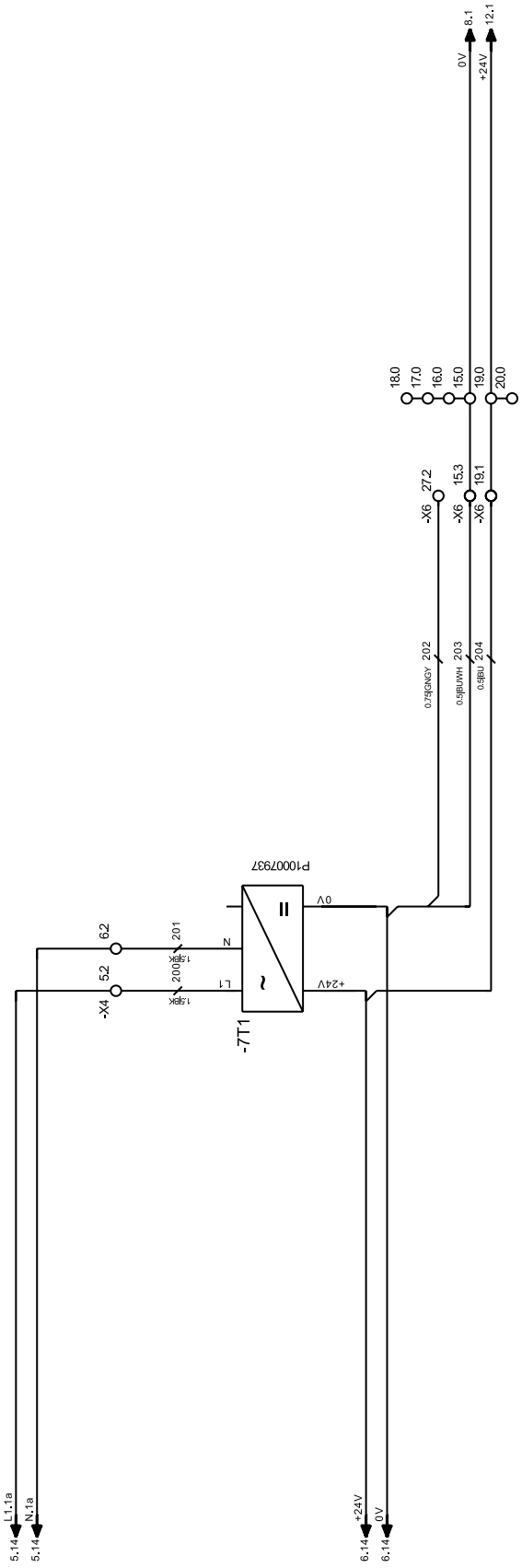

+24V
0V
T.Ext
T.AllVol
T.Hzg
R-RH
R-T
T.Betrieb
T.PE
W07
Öf-Robust
18Gx0,5mm²
-14B1
HJK
0-10V
2000Pa
B1422
Vorzugsweise B1422
Drucksensor
ODER
Titek
Sentera
Ersatz P10007445
Ersatz P10001388
11V1
27V

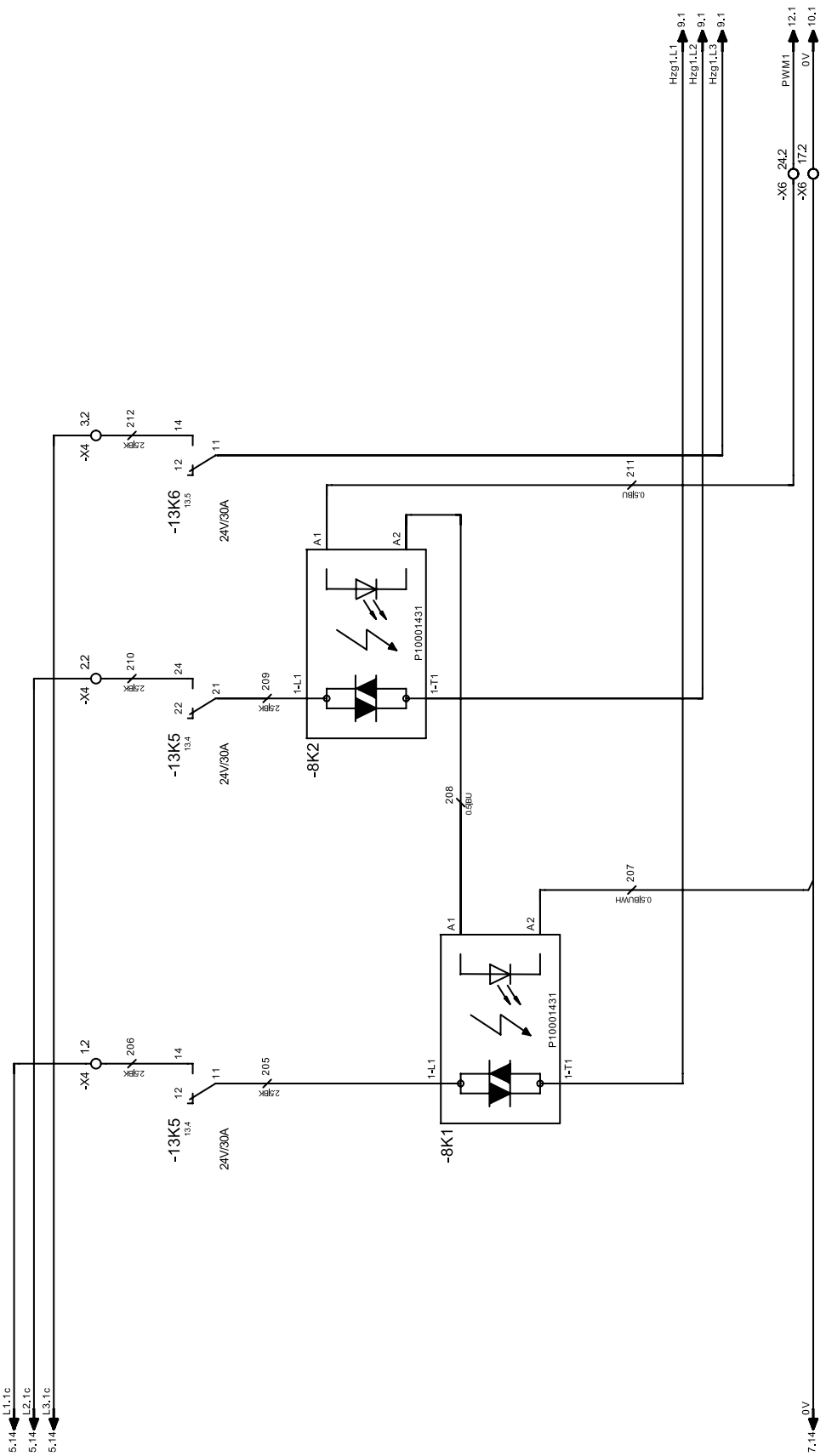

Anschluss: Hygrostat
Connector: Hygrostat
Hygrostat Anschluss
1- % r.H Schaltkontakt / switch contact
2- 24 VDC
3- GND
4- T 0..10V
5- % r.H. 0..10V
6- T Schaltkontakt / switch contact
7- ..
Buchse 7-pol. (6 + PE)
connector female 7-pin. (6 + PE)
-15B4
-15P1
Betriebsstundenzähler
-15B3
Temperatur-limiter
-15B2
Temperatur-limiter
Temperatur-begrenzer
-15B1
Filter-überwachung
Filter-überwachung 250 PA
+24V
0V
T_Ext
T_AirVol
T_Hzg
R-RH
R-T
T_Betrieb
T_PE
T_Vol
STB_OK

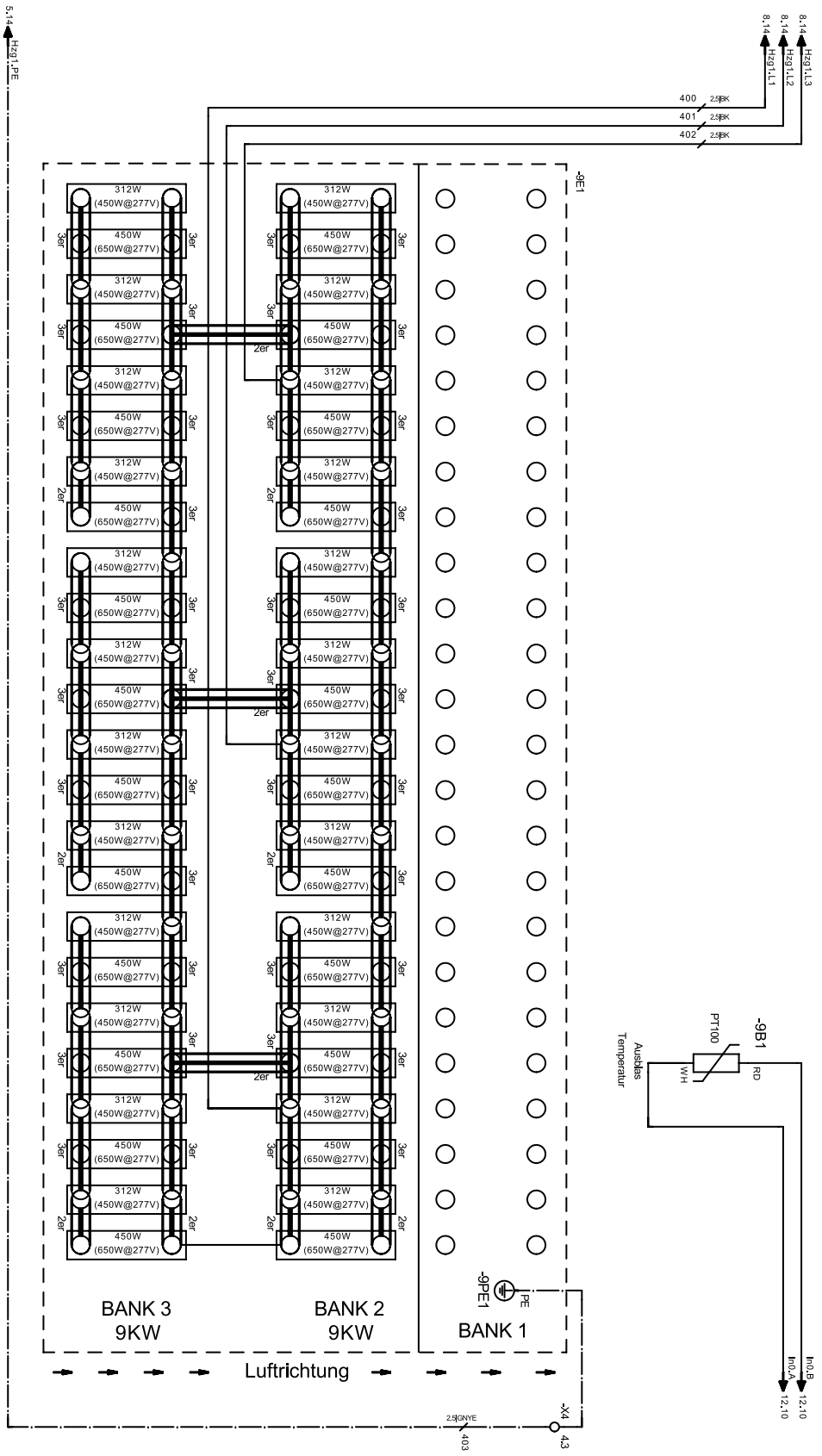
TAC XT 27

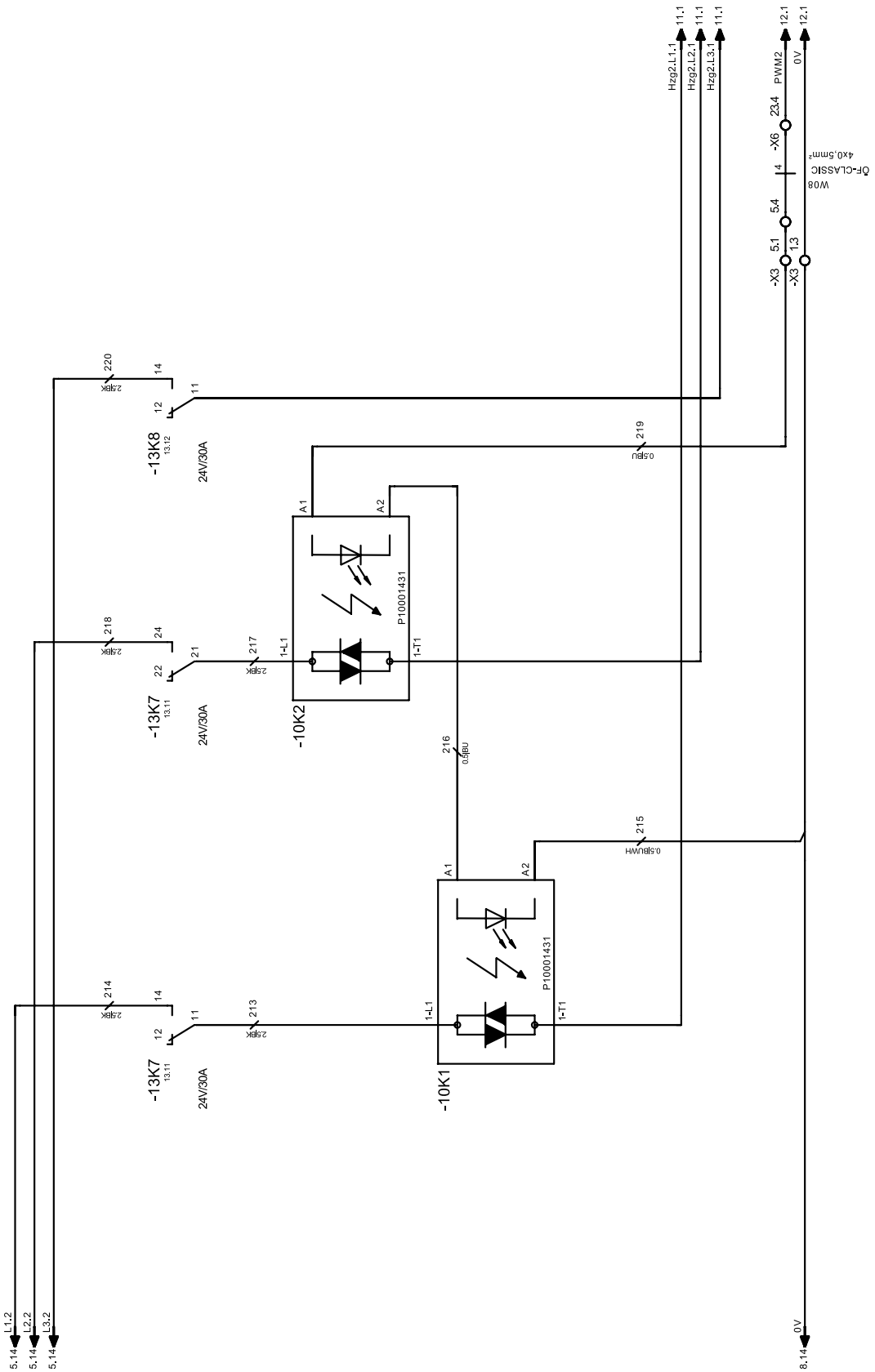

ACHTUNG!
Spannung auch bei
AUSGESCHALTETEN
Hauptschalter
-5F1
10A
-5L1F
16A
-5S1
32A
#P10004065
-5XS1
Wandgerätestecker 32A
Einspeisung 32A
-5XS2
Wandgerätestecker 16A
Einspeisung 16A
-13K9
DILEM10G
24V/Wn20A
-5P1
-5P2
Grundplatte
-5P3
Gehäuse
-X1
-X2
-X4
-X5
W01
W02
W03
W04

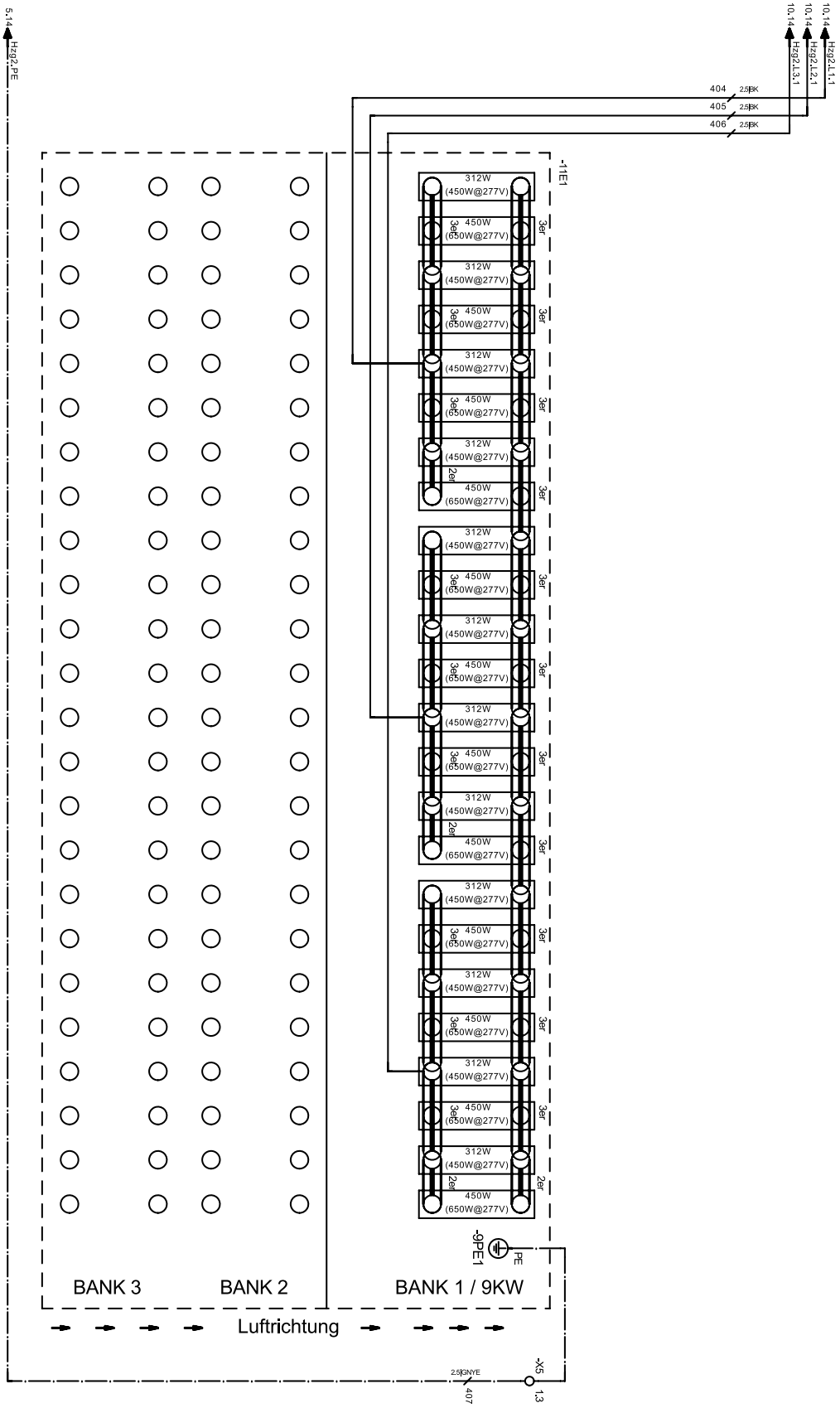

L1.1b
N.1b
PE.1b
5.14
5.14
5.14
-X2
1.1
2.1
-X1
20.1
3.1
BK
BU
GNYE
W05
PVC AWG18
5G1,0mm²
-6M1
Ventilator
P10002324
L1
N
PE
KL1
KL2
KL3
NO
COM
NC
111
2,5GNYE
OUT
GND
0-10V
+10V
+20V
4-20mA
0-10V
GND
RSB
RSA
RSB
RSA
-X1
-X2
-X6
18.0
17.0
17.1
13.1
13.3
13.4
16.0
15.0
15.1
12.1
12.3
12.4
16.3
16.4
11.1
11.3
11.4
10.1
10.3
10.4
8.3
8.4
9.3
9.4
12.10
12.14
7.1
+24V
T.Vent
0V
T.1/10V
RSB
RSA
In1.A
In1.B
WH1
WH2
W05
PVC AWG18
5G1,0mm²
BU
YE
RD
BN
WH
W06
PVC AWG22
5x0,34mm²
W07
DF-Robust
18Gx0,5mm²
-6B1
PT100
P10003950
RD
WH
Ansaugtemperatur

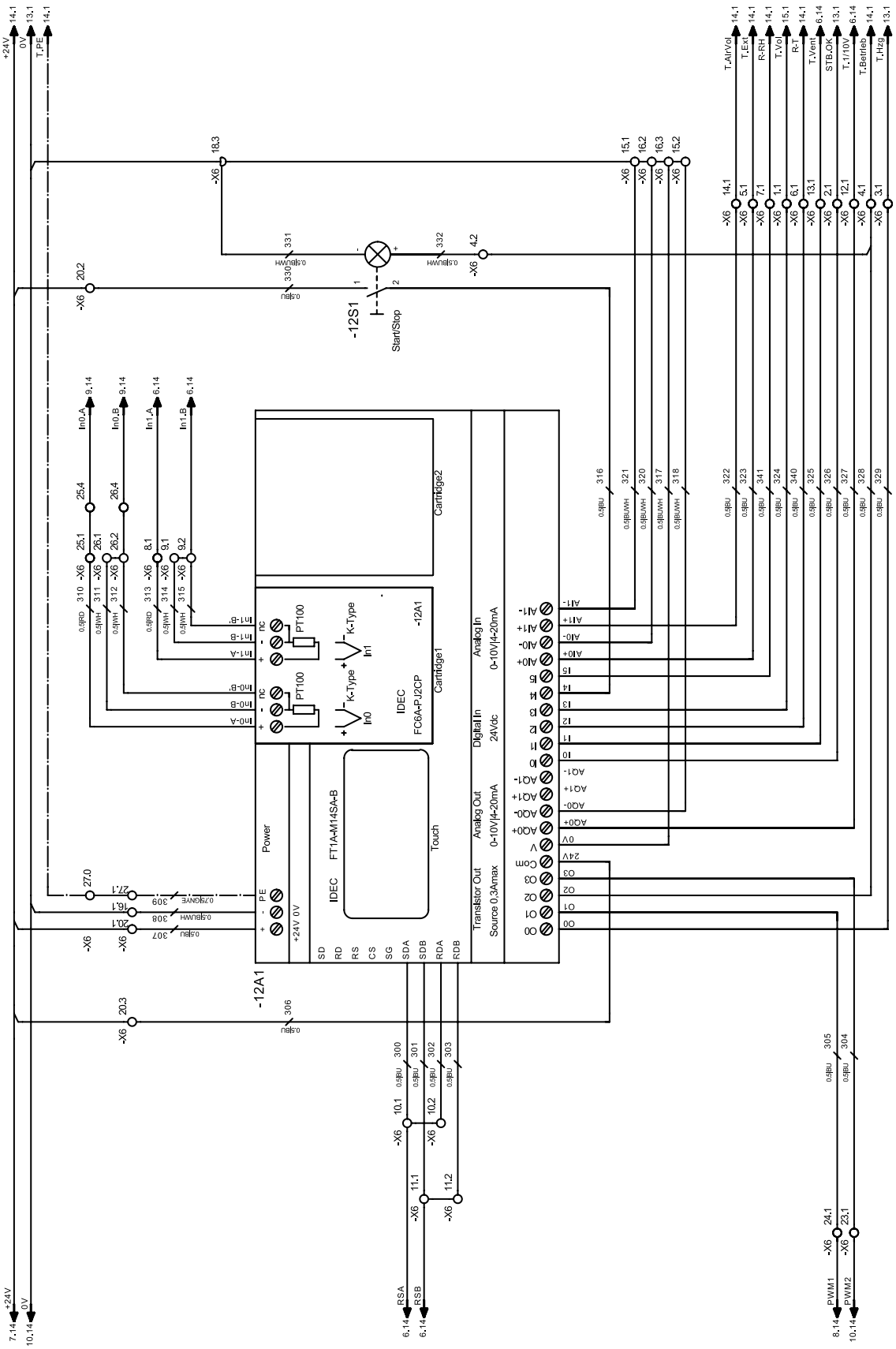

8.1
12.1
0V
+24V
18.0
17.0
16.0
15.0
19.0
20.0
27.2
15.3
19.1
-X6
-X6
-X6
202
203
204
P1000937
0V
+24V
N
L1
6.2
5.2
201
200
-X4
-7T1
L1.1a
N.1a
5.14
5.14
6.14
+24V
6.14
0V

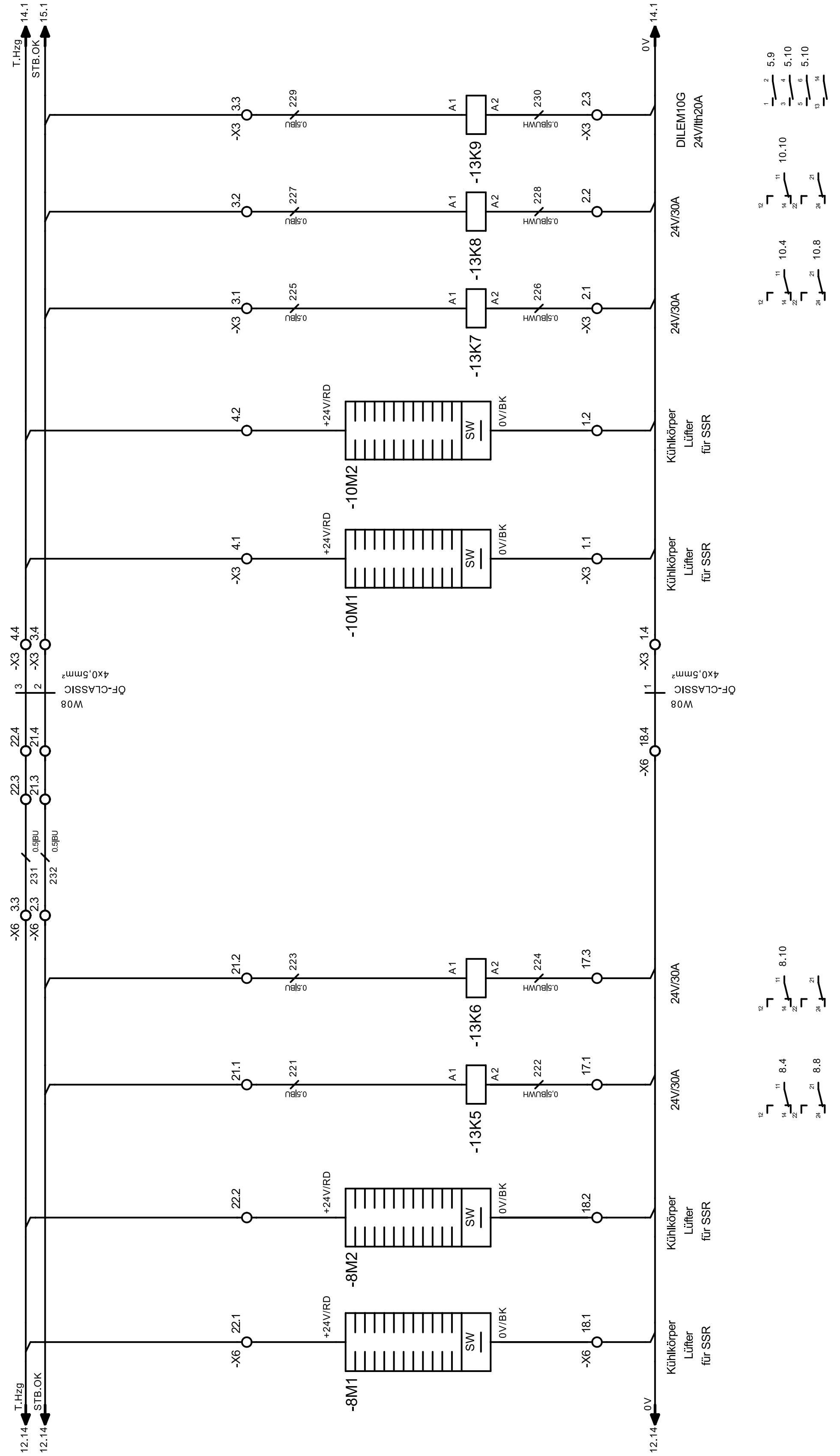

Hzg1.L1
Hzg1.L2
Hzg1.L3
9.1
9.1
9.1
PWM1
0V
12.1
10.1
-X6
24.2
17.2
-X6
-X4
3.2
212
14
11
12
-13K6
13.5
24V/30A
211
0.5BU
A1
A2
P10001431
-8K2
-X4
2.2
210
24
21
22
-13K5
13.4
24V/30A
209
1-L1
1-T1
208
0.5BU
-X4
12
206
14
11
12
-13K5
13.4
24V/30A
205
1-L1
1-T1
-8K1
207
0.5BUWH
L1.1c
L2.1c
L3.1c
5.14
5.14
5.14
0V
7.14


5.14
Hzg1.PE
8.14
Hzg1.L1
8.14
Hzg1.L2
8.14
Hzg1.L3
400
401
402
2.5BK
-9E1
312W
(450W@277V)
450W
(650W@277V)
3er
2er
BANK 3
9KW
BANK 2
9KW
BANK 1
Luftrichtung
-9PE1
PE
-9B1
PT100
Ausblas
Temperatur
WH
RD
In0.A
12.10
In0.B
12.10
2.5GNYE
403
-X4
4.3

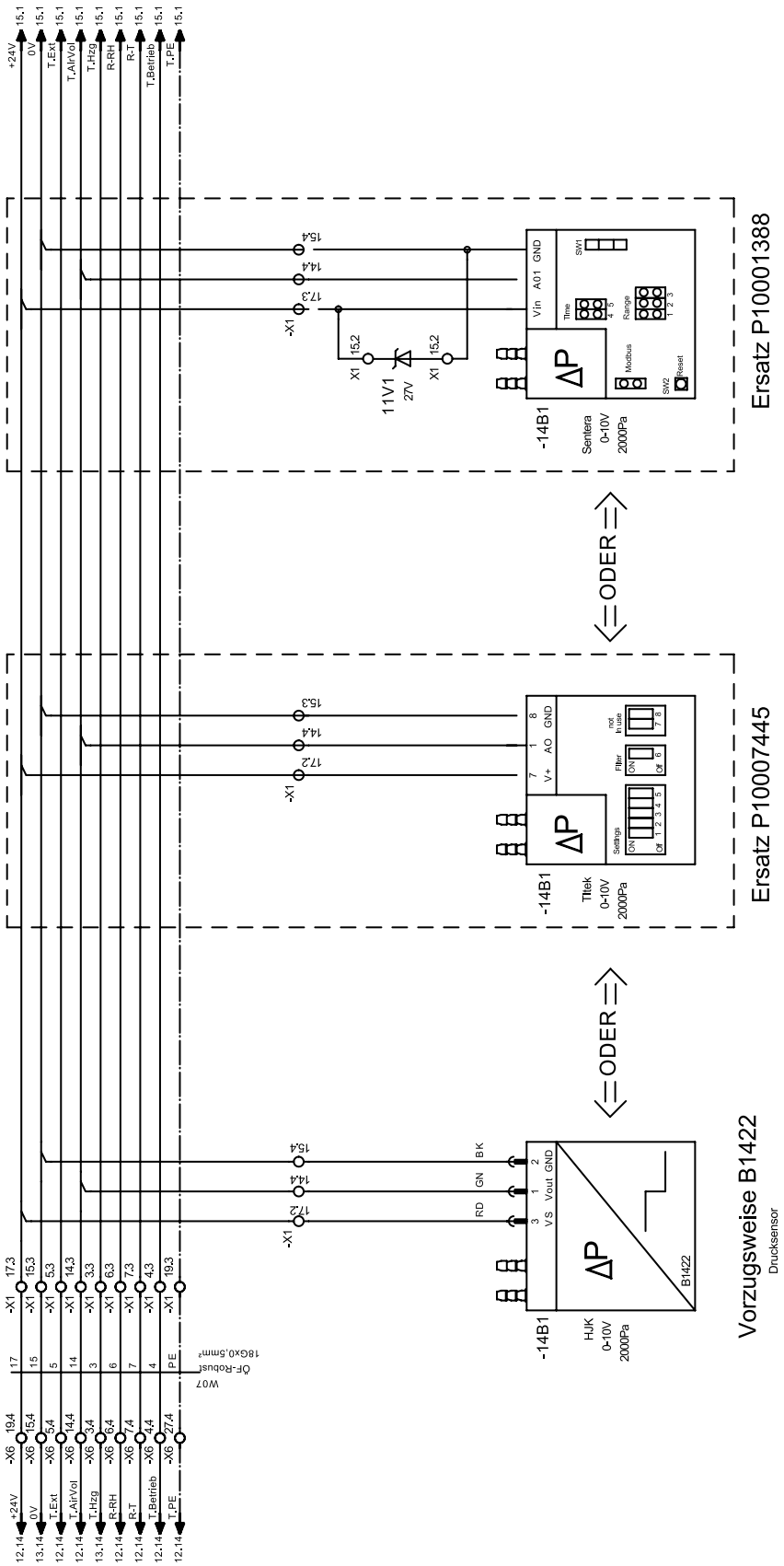

Hzg2.L1.1
Hzg2.L2.1
Hzg2.L3.1
11.1
11.1
11.1
PWM2
0V
12.1
12.1
23.4
-X6
4
W08
DF-CLASSIC
4x0,5mm²
5.4
5.1
1.3
-X3
-X3
219
0,5BU
220
2,5BK
14
12
11
-13K8
13.12
24V/30A
A1
A2
P10001431
1-T1
1-L1
218
2,5BK
24
22
21
217
2,5BK
-13K7
13.11
24V/30A
-10K2
216
0,5BU
215
0,5BUWH
214
2,5BK
213
2,5BK
-13K7
13.11
24V/30A
-10K1
L1.2
L2.2
L3.2
5.14
5.14
5.14
0V
8.14

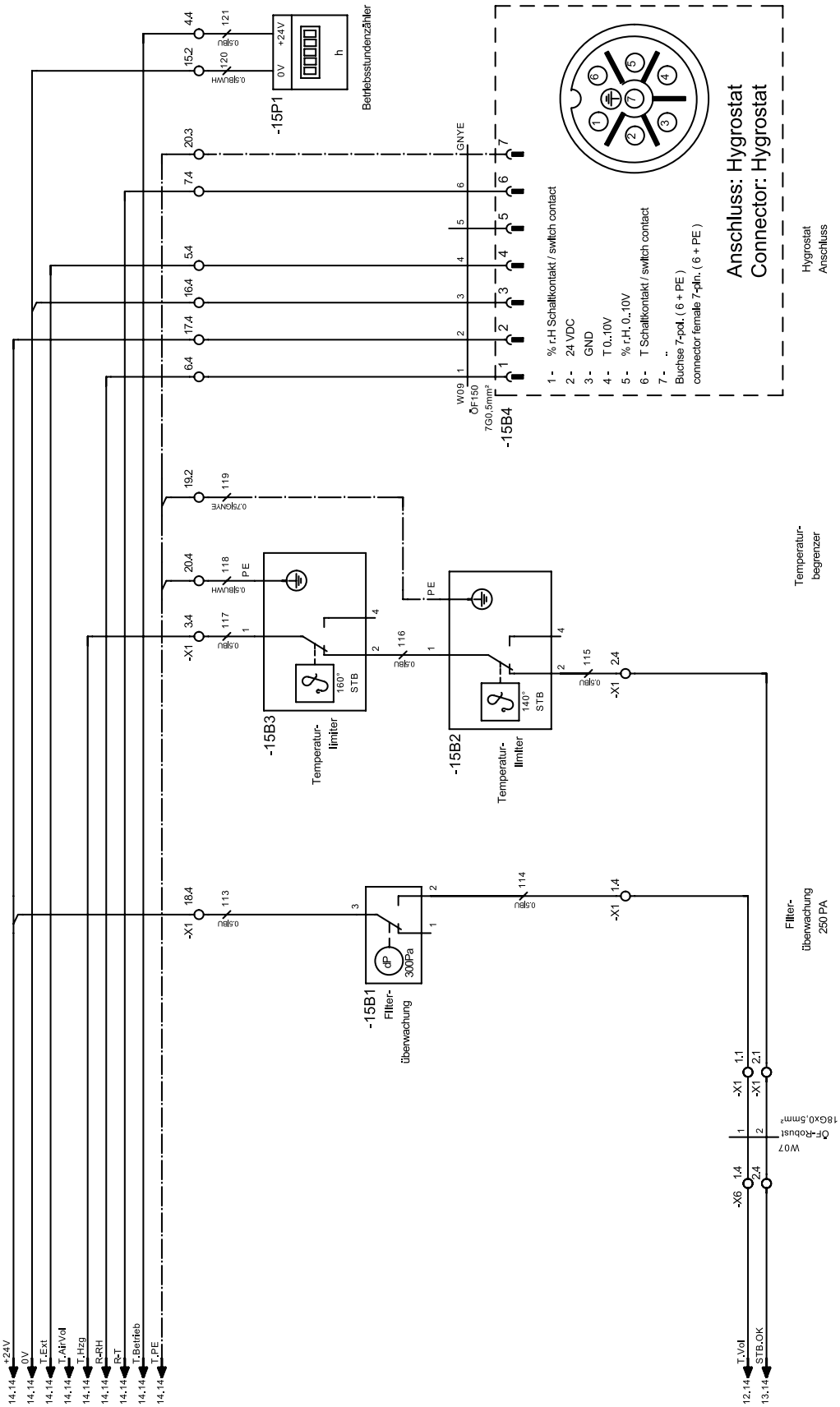

5.14
Hzg2.PE
10.14
Hzg2.L3.1
10.14
Hzg2.L2.1
10.14
Hzg2.L1.1
404 2.5 BK
405 2.5 BK
406 2.5 BK
-11E1
312W (450W@277V)
450W (650W@277V)
3er
2er
-9PE1
PE
BANK 3
BANK 2
BANK 1 / 9KW
Luftrichtung
2.5 GNYE
407
-X5
1.3


-12S1
Start/Stop
-12A1
IDEC
FT1A-M14SA-B
Touch
Power
Cartridge1
Cartridge2
IDEC
FC6A-PJ2CP
-12A1
PT100
K-Type
In0
In1
Digital In
24Vdc
Analog In
0-10V/4-20mA
Analog Out
0-10V/4-20mA
Transistor Out
Source 0,3Amax
+24V
0V
T.PE
T.AirVol
T.Ext
R-RH
T.Vol
R-T
T.Vent
STB.OK
T.1/10V
T.Betrieb
T.Htg
PWM1
PWM2
RSA
RSB



T.Hzg
STB.OK
0 V
14.1
15.1
12.14
-13K9
-13K8
-13K7
-13K6
-13K5
-10M2
-10M1
-8M2
-8M1
DILEM10G
24V/Ith20A
24V/30A
Kühlkörper Lüfter für SSR
+24V/RD
0V/BK
SW
-X3
-X6
W08
ÖF-CLASSIC
4x0,5mm²

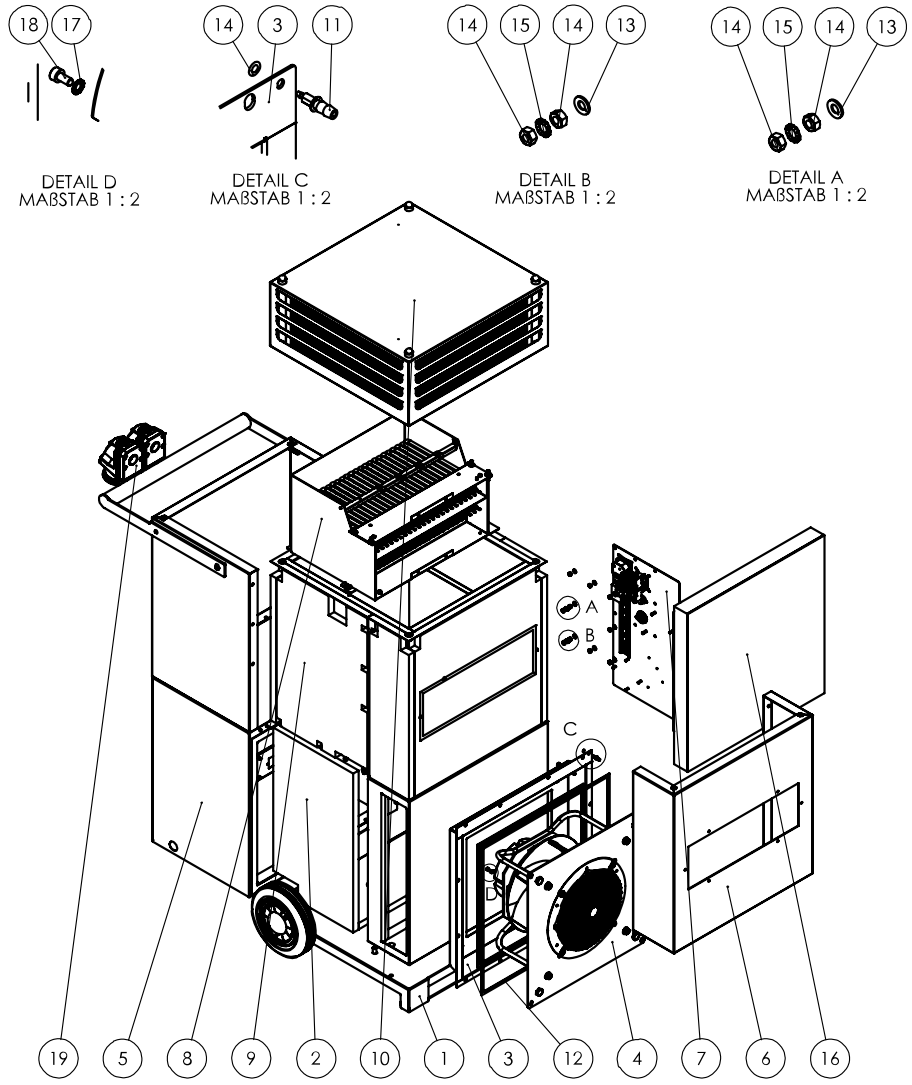

+24V
0V
T.Ext
T.AirVol
T.Hzg
R-RH
R-T
T.Betrieb
T.PE
-X6
-X1
W07
ÖFlex-Robust 18GX0,5mm²
-14B1
HJK
0-10V
2000Pa
B1422
Vout
VS
GND
BK
GN
RD
ODER
Ersatz P10007445
TItek
0-10V
2000Pa
V+
AO
GND
Setting
Filter
ON
Off
ODER
Ersatz P10001388
Sentera
0-10V
2000Pa
V/in
A01
GND
Time
Range
Modbus
Reset
SW1
SW2
11V1
27V
X1
15.2
15.3
15.4
14.4
17.2
17.3
Vorzugsweise B1422
Drucksensor


Anschluss: Hygrostat
Connector: Hygrostat
Hygrostat
Anschluss
1 - % r.H Schaltkontakt / switch contact
2 - 24 VDC
3 - GND
4 - T 0..10V
5 - % r.H. 0..10V
6 - T Schaltkontakt / switch contact
7 - ..
Buchse 7-pol. (6 + PE)
connector female 7-pin. (6 + PE)
-15B4
-15P1
Betriebsstundenzähler
-15B3
Temperatur-
limiter
160°
STB
-15B2
Temperatur-
limiter
140°
STB
Temperatur-
begrenzer
-15B1
Filter-
überwachung
300Pa
Filter-
überwachung
250 PA
-X1
-X6
+24V
0V
T.Ext
T.AirVol
T.Hzg
R-RH
R-T
T.Betrieb
T.PE
T.Vol
STB.OK

Overview and lists of spare parts

TAC XT

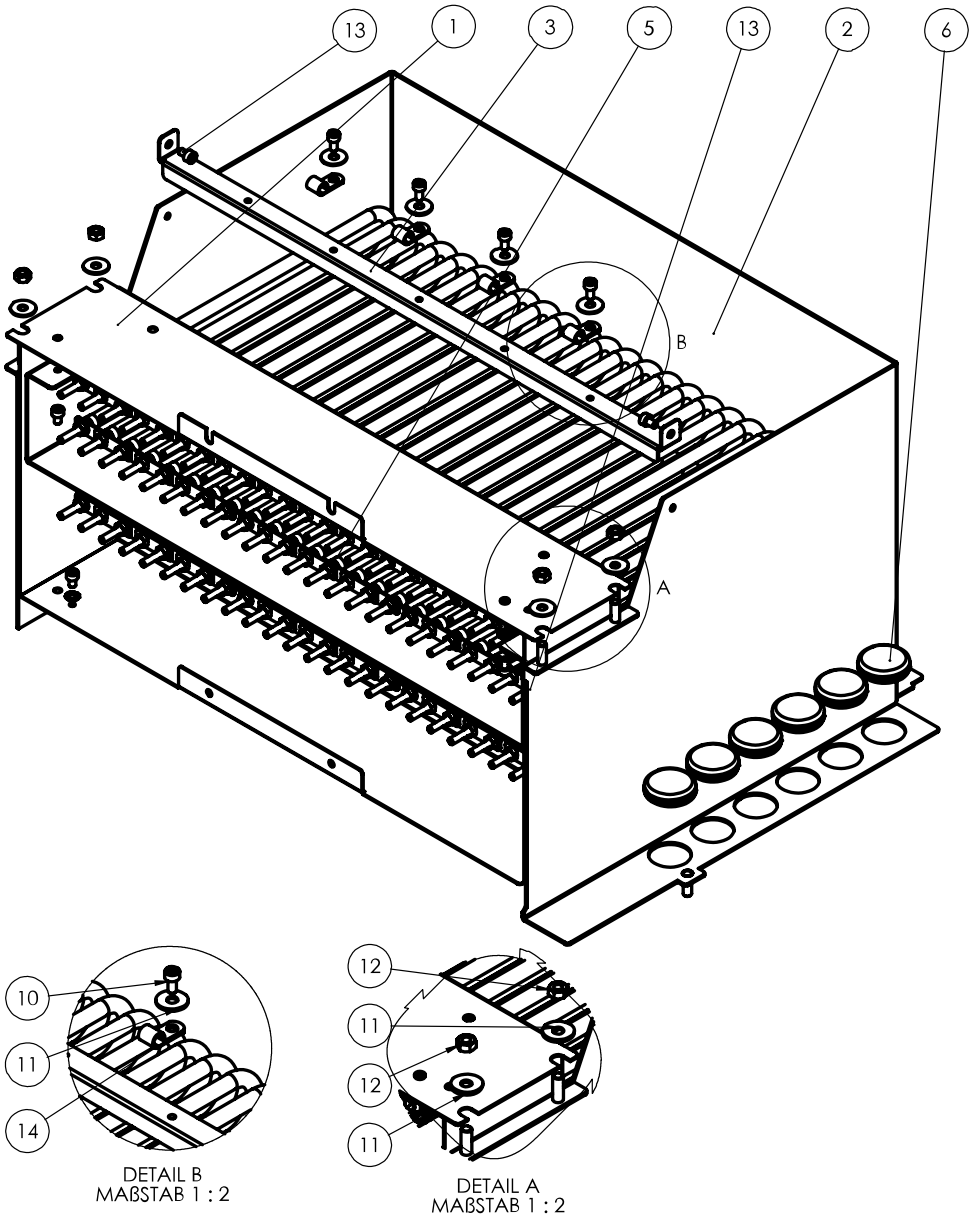
Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



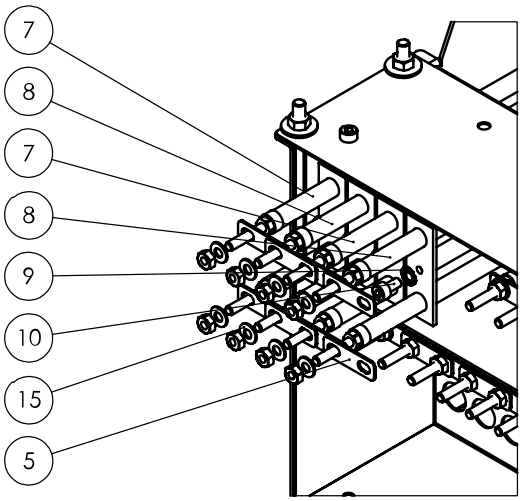
No.	Spare part	No.	Spare part
1	Foot (T0001442)	11	Double hose connector (T0000370)
2	Fan box (T0001201)	12	Self-adhesive sealing tape (EPDM, 7x2mm, L=3450mm)
3	Fan holder (T0000734)	13	Detent-edged washer (Ø5.1 x Ø10.2 x 1 VZ galv.)
5	Fan (TAC)	14	Hexagon nut (DIN 934 M5 VZ galv.)
5	Tower, yellow (3 tower sheets yellow)	15	Serrated lock washer (fan Ø5.3xØ10x0.6 VZ galv.)
6	Filter box (T0002597)	16	Air filter (Minipleat G4 plastic frame 496x496x48mm with fleece)
7	Control unit (TAC XT)	17	Serrated lock washer (fan Ø4.3xØ8x0.5 VZ galv.)
8	Heating (T0001789)	18	Screw (cylinder Allen DIN 912 M4x8 VZ galv.)
9	Insulation top part (T0001358)	19	TAC XT 18 power connection (T0003507)
10	Air flap cover (T0001213)		

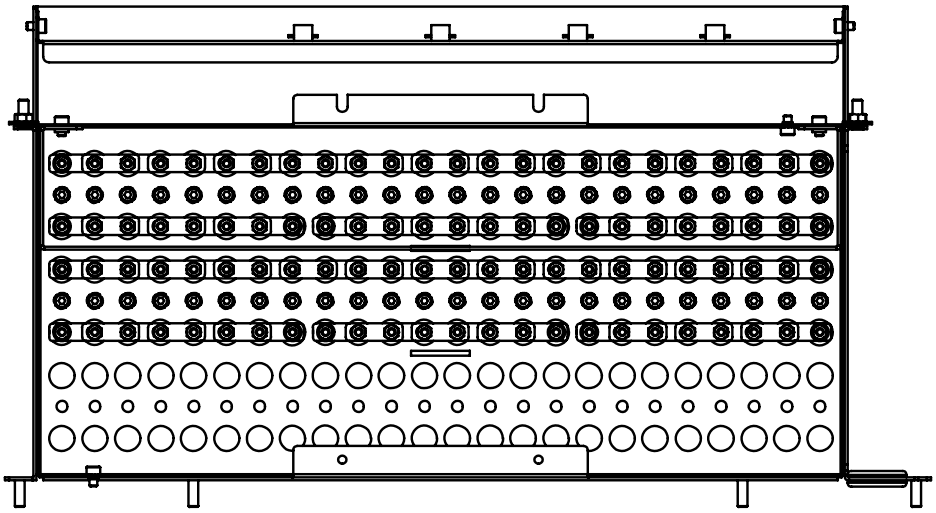
Heating

Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Spare part	No.	Spare part
1	Heating plate (TAC XT)	9	Serrated lock washer (fan Ø4.3xØ8x0.5 VZ galv.)
2	Heating mantle (TAC XT)	10	Screw (cylinder Allen DIN 912 M4x8 VZ galv.)
3	STB holder (TAC XT)	11	Washer (DIN 9021 Ø5.3xØ15x1.2 VZ galv)
5	Safety plate (TAC XT heating)	12	Hexagon nut (DIN 934 M5 VZ galv.)
5	Clamping bridge (clamping bridge grid 2)	13	Screw (cylinder Allen DIN 912 M4x6 VZ galv.)
6	Sealing plug (Ø30xØ25.5xØ20.5x1.5x8, black)	14	Clamp (cable protection)
7	Heating rod (277V 450W)	15	Washer (DIN 125 – A Ø4.3xØ9x0.8 VZ galv.)
8	Heating rod (277V 650W)		

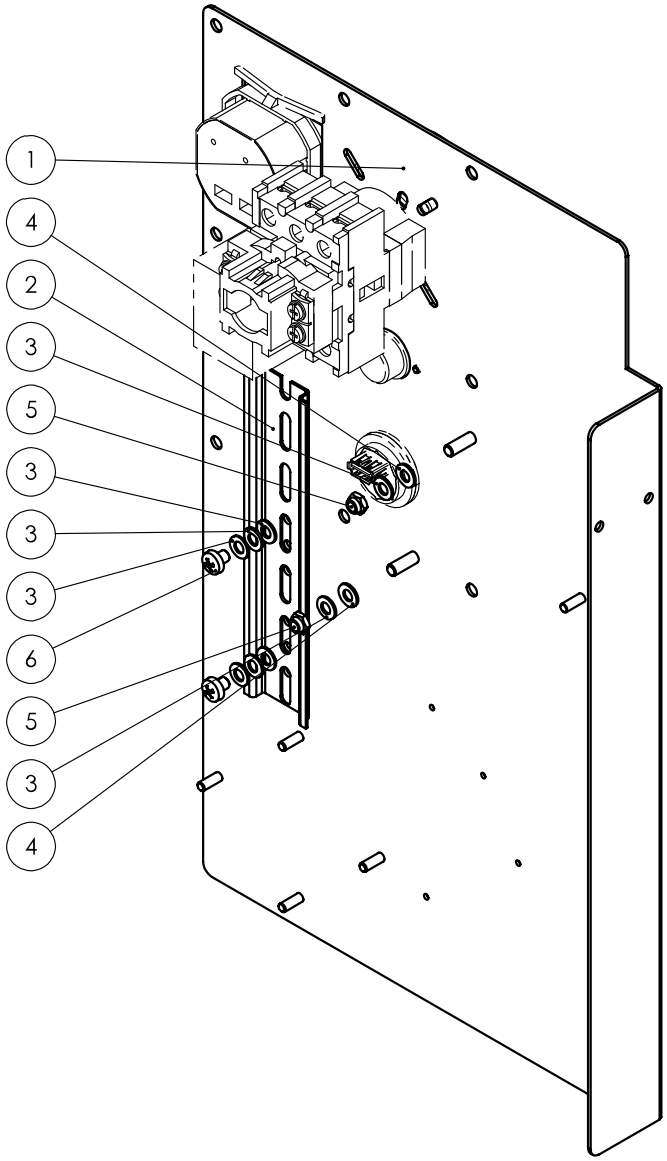




No.	Spare part	No.	Spare part
1	Heating plate (T0001845)	9	Serrated lock washer (fan DIN 6798 – A Ø4.3)
2	Heating mantle (T0001806)	10	Screw (cylinder Allen DIN 912 M04x8 VZ galv.)
3	STB holder (T0001871)	11	Washer (washer DIN 9021 Ø5.3xØ15x1.2 VZ galv)
4	Safety plate (T0001918)	12	Hexagon nut (nut DIN 934 M5 VZ galv.)
5	Clamping bridge (T0001843)	13	Screw (cylinder Allen DIN 912 M04x6 VZ galv.)
6	Sealing plug (T0000384)	14	Clamp (SW Ø6.4 M5)
7	Heating rod (277V-450W)	15	Washer (washer DIN 125-A Ø4.3xØ9x0.8 VZ galv)
8	Heating rod (277V-450W)		

Control unit

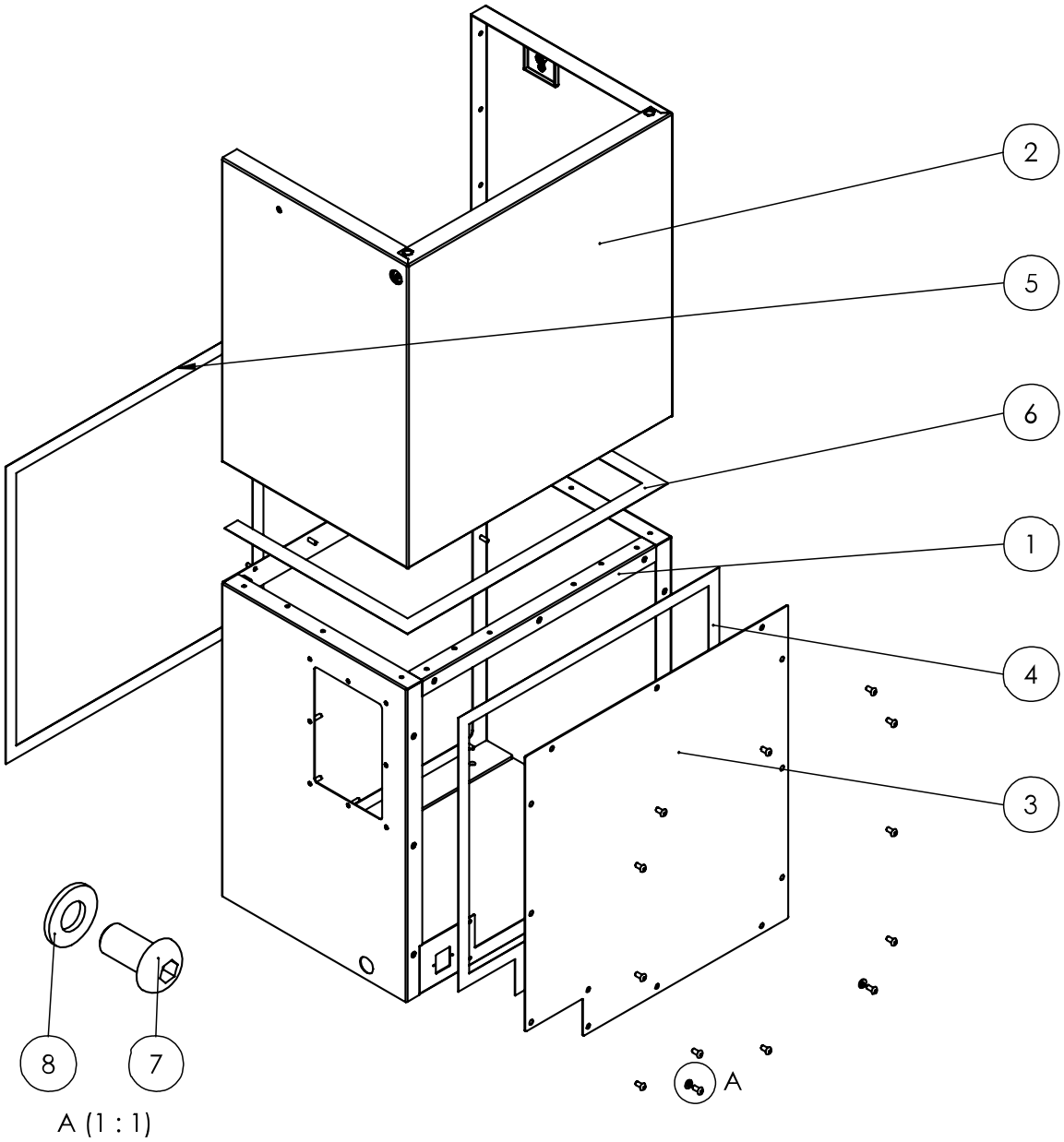
Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Spare part	No.	Spare part
1	Control unit (TAC XT)	4	Detent-edged washer (Ø5.1 x Ø10.2 x 1 VZ galv.)
2	DIN rail (L=160)	5	Hexagon nut (self-locking, DIN 985 – M5 VZ galv.)
3	Washer (DIN 125 – A Ø5.3xØ10x1 VZ)	6	Screw (Liko cross, DIN7985 M5x6 VZ)

Tower yellow

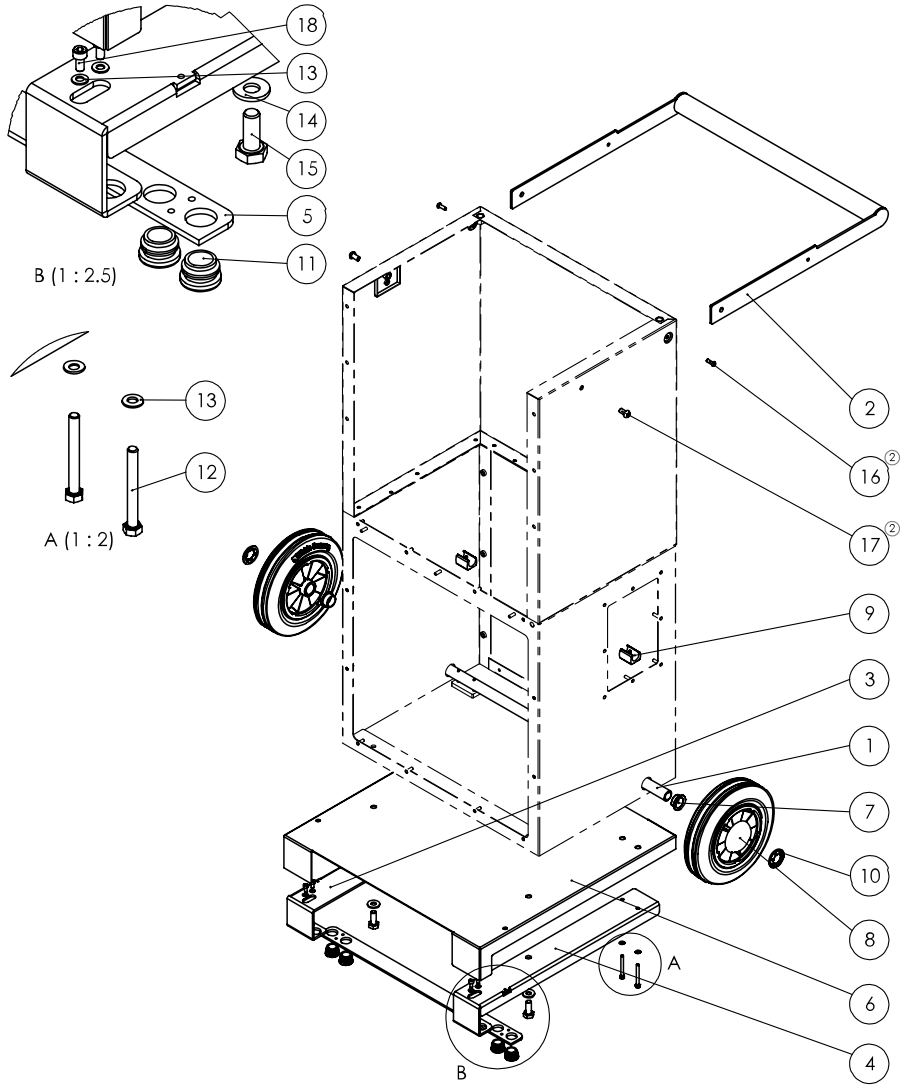
Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Spare part	No.	Spare part
1	Bottom housing (T0001385)	5	Self-adhesive needle felt (20x1mm L=1880mm)
2	Upper housing (T0001387)	6	Self-adhesive needle felt (25x1mm L=1160mm)
3	Service cover (T0001386)	7	Allen screw (Liko DIN7380-1 M6x12 VZ galv., black)
4	Self-adhesive needle felt (20x1mm L=1950mm)	8	Detent-edged washer (Ø6 x Ø12.2 x 1.2 VZ galv.)

Foot

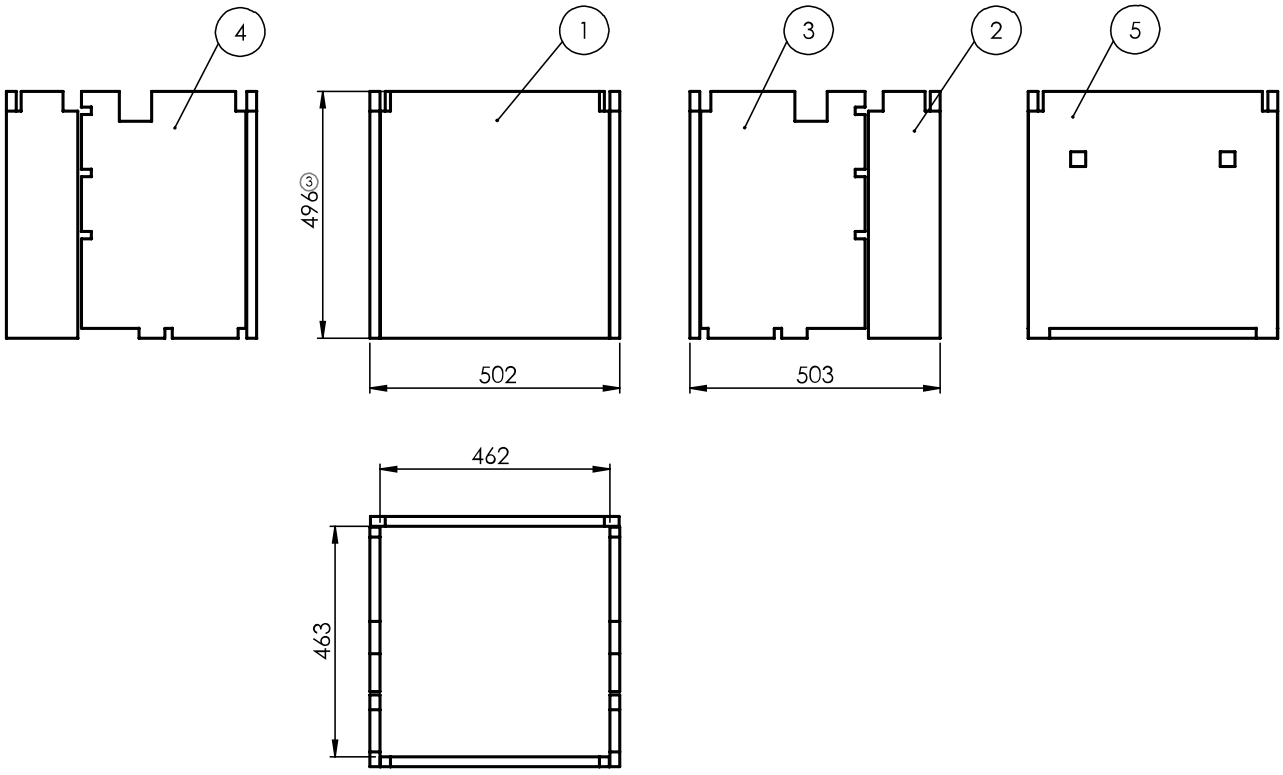
Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Spare part	No.	Spare part
1	Axle (T0001833)	10	Starlock washer (Ø20)
2	Handle (stainl. steel) (T0001412)	11	Finned plug (round insert LDPE medium grey 111139)
3	Support (T0001516)	12	Hexagon screw (DIN 933 M5x45 VZ galv.)
4	Support (T0001517)	13	Detent-edged washer (Ø5.1 x Ø10.2 x 1 VZ galv.)
5	Connection (T0001518)	14	Detent-edged washer (Ø10.2 x Ø22.3 x 2.5 VZ galv.)
6	Bottom plate (T0001423)	15	Hexagon screw (DIN 933 M10x25 VZ galv.)
7	Plain bearing (with flange Ø20, black)	16	Allen screw (Liko DIN7380-1 M5x16 VZ galv., black)
8	Wheel (plain bearing wheel Ø200/50, wheel solid rubber grey, 80kg)	17	Allen screw (Liko DIN7380-1 M8x16 VZ galv., black)
9	Saddle feet (Ø20-22, length 29mm, width 25.5mm pin Ø5.7, black)	18	Screw (cylinder Allen DIN 912 M5x10 VZ galv.)

Insulation top part

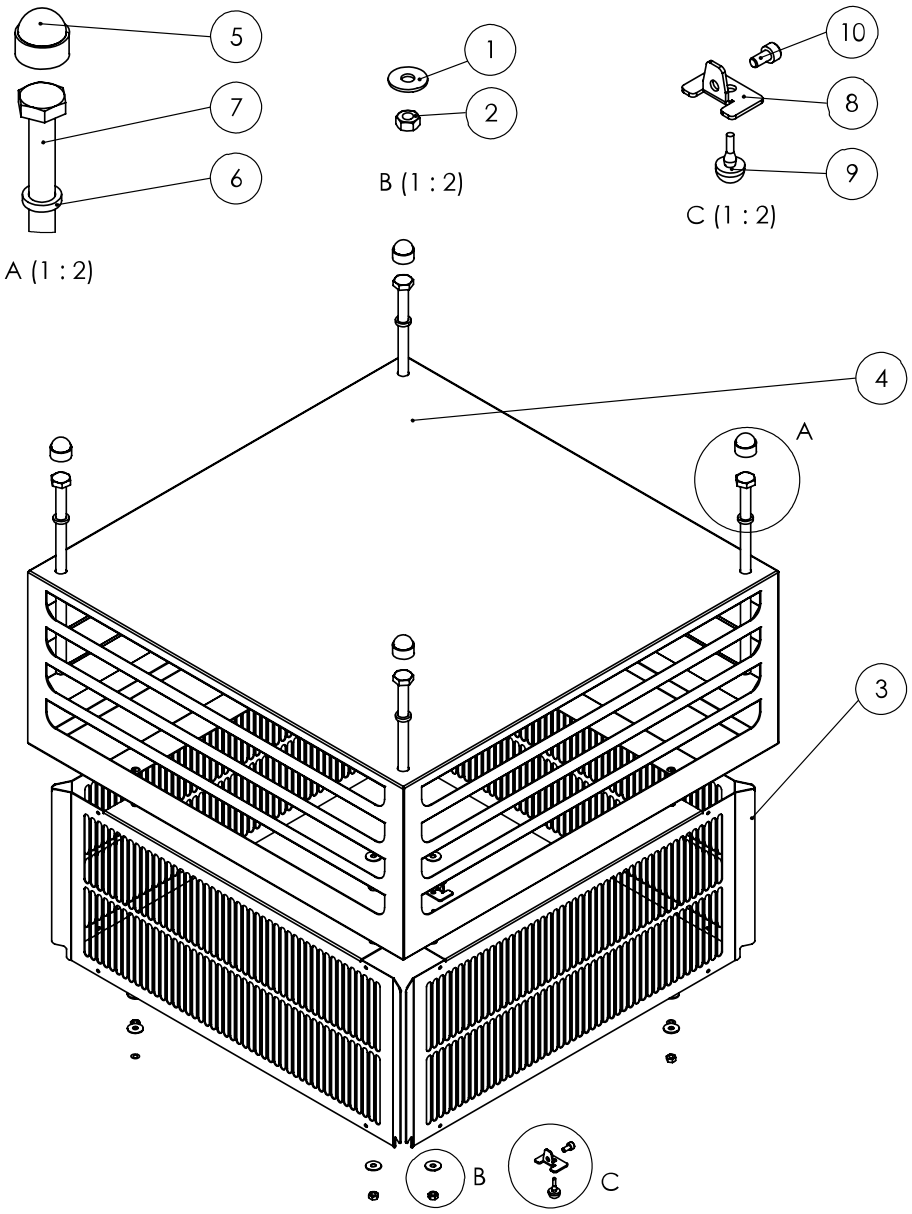
Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Spare part	No.	Spare part
1	Insulation top part (T0001357)	4	Insulation top part (T0001362)
2	Insulation top part (T0001359)	5	Insulation top part (T0001356)
3	Insulation top part (T0001360)		

Air flap cover

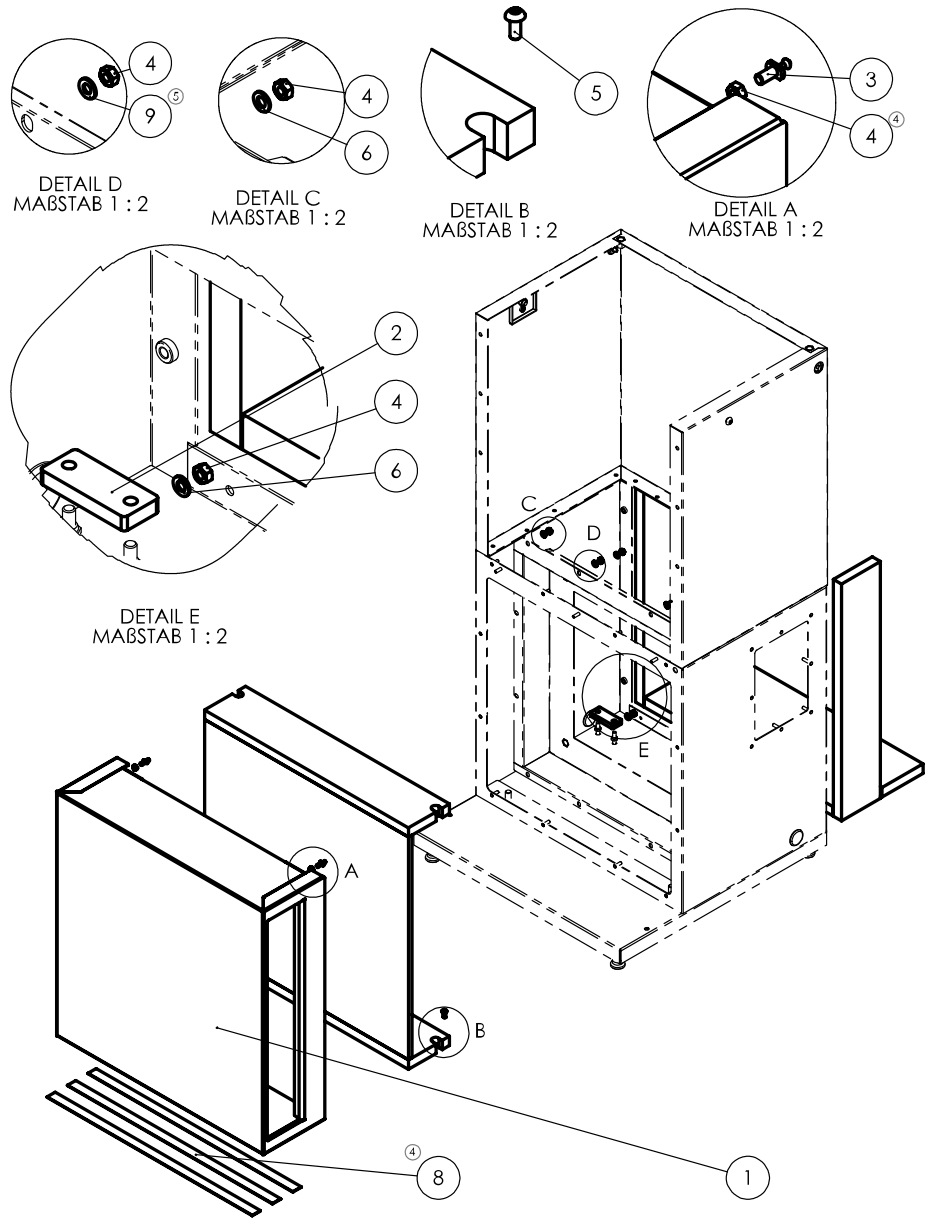
Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Spare part	No.	Spare part
1	Washer (DIN 9021 Ø5.3xØ15x1.2 VZ galv)	6	Washer (Ø10.3xØ15x3 white)
2	Hexagon nut (DIN 934 M5 VZ galv.)	7	Hexagon screw (DIN 931 M10x220 VZ)
3	Protective plate (protective plate)	8	Hold-down device (T0001760)
4	Air flap cover (air flap cover)	9	Rubber buffer (soft buffer 11 mm for 3.2 bore)
5	Protective cap (M10 SW17 plastics, black)	10	Screw (cylinder Allen DIN 912 M4x8 VZ galv.)

Fan box

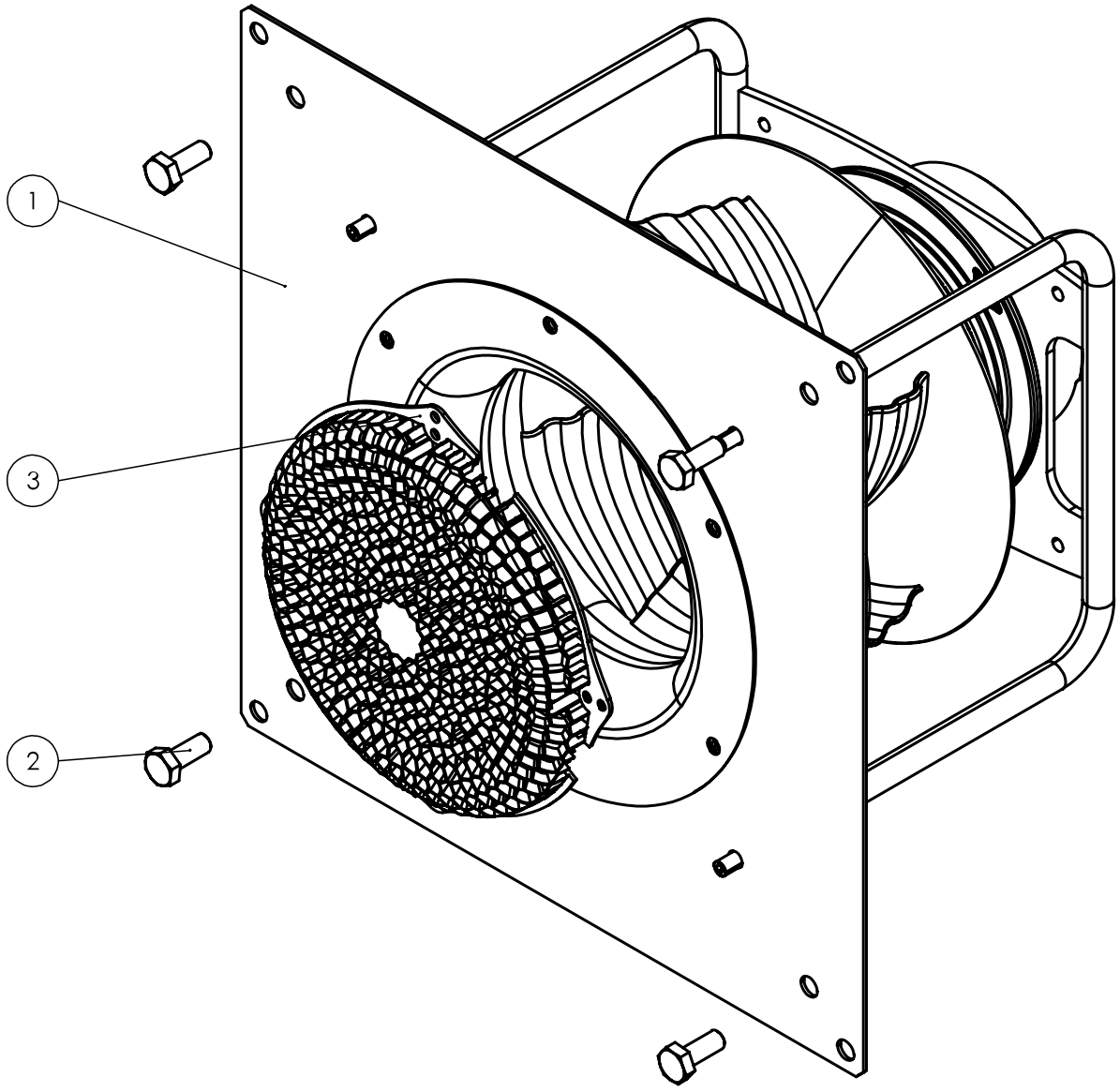
Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Spare part	No.	Spare part
1	Silencer (T0000706)	6	Washer (DIN 125 – A Ø5.3xØ10x1 VZ)
2	Support plate (T0000553)	7	Insulation lower part (T0001364)
3	Closure plug (retaining bolt M5)	8	Self-adhesive needle felt (20x1mm L=1500mm)
4	Hexagon nut (DIN 934 M5 VZ galv.)	9	Detent-edged washer (Ø5.1 x Ø10.2 x 1 VZ galv.)
5	Allen screw (Liko DIN7380-1 M5x12 VZ galv., black)		

Fan

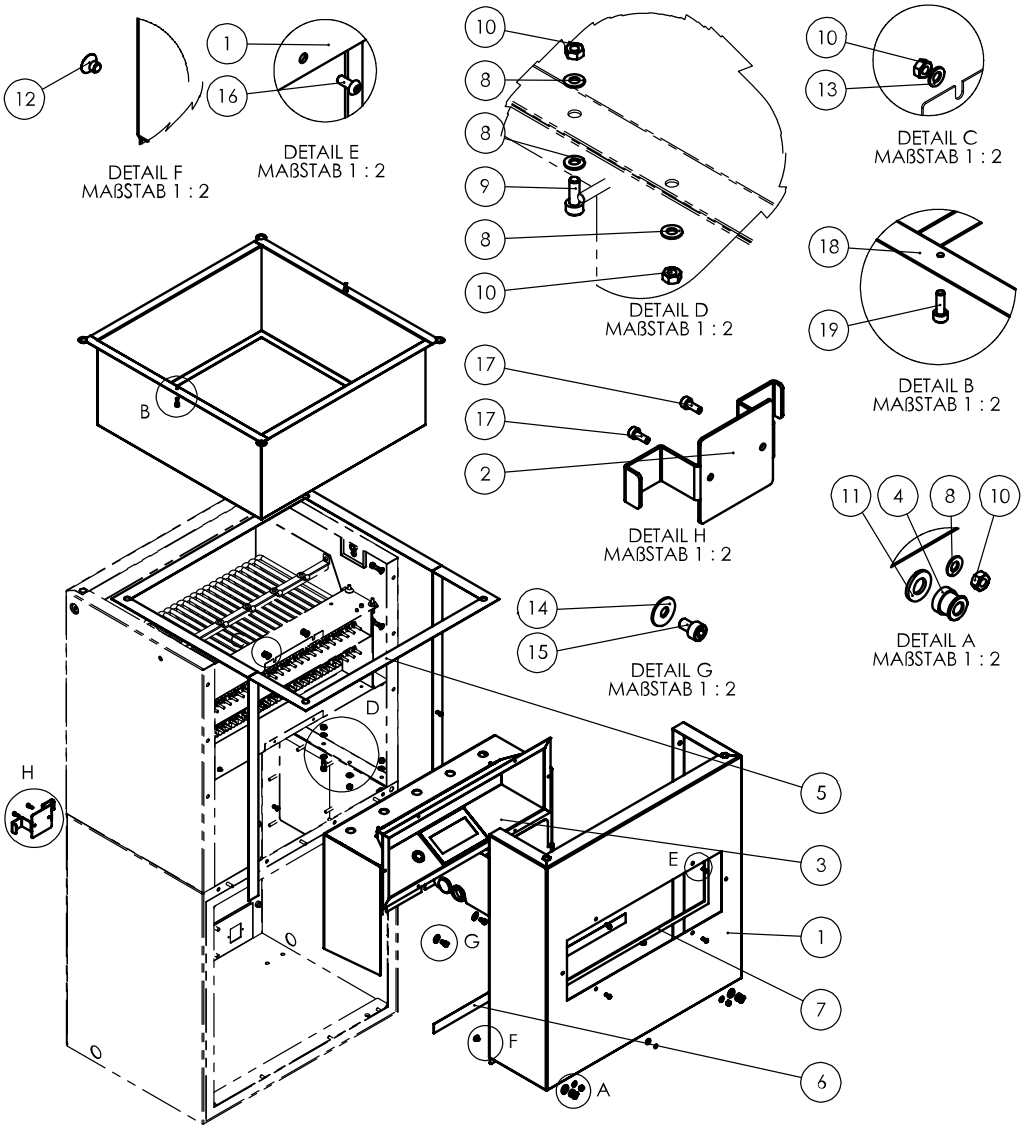
Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Spare part	No.	Spare part
1	Fan (fan TAC V+)	3	Protective grid (bolt circle 206.6 or 226.6mm hole 5.4mm, black plastic)
2	Hexagon screw (DIN 933 M10x25 VZ galv.)		

Filter box

Note: The position numbers of the spare parts differ from those describing the positions of the components mentioned in these instructions.



No.	Spare part	No.	Spare part
1	Front panel (T0001792)	11	Washer (DIN 125 – A Ø8.4xØ16x1.6 VZ galv.)
2	Cable routing (XT)	12	Hexagon socket countersunk screw (DIN 7991 M 5x6 VZ galv.)
3	Power box (TAC XT)	13	Washer (DIN 125 – A Ø5.3xØ10x1 VZ)
4	Locking sleeve (snap lock lower part M5)	14	Washer (DIN 9021 Ø5.3xØ15x1.2 VZ galv)
5	Self-adhesive needle felt (25x1mm L=2920mm)	15	Screw (cylinder Allen DIN 912 M5x8 galv.)
6	Self-adhesive needle felt (20x1mm L=500mm)	16	Screw (Liko Torx DIN7380-1 M4x10 VZ galv. black)
7	Sealing tape (self-adhesive cellular rubber 10x2 sw L=1100mm)	17	Screw (cylinder Allen DIN 912 M3x8 VZ galv. black)
8	Detent-edged washer (Ø5.1 x Ø10.2 x 1 VZ galv.)	18	Filter mount (TAC XT)
9	Screw (cylinder Allen DIN 912 M5x14 VZ galv.)	19	Screw (cylinder Allen DIN 912 M4x12 VZ galv.)
10	Hexagon nut (DIN 934 M5 VZ galv.)		

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. You can also find out about other return options that apply for many EU countries on the website https://hub.trotec.com/?id=45090. Otherwise, please contact an official recycling centre for electronic and electrical equipment authorised for your country.

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

Only for United Kingdom

According to Waste Electrical and Electronic Equipment Regulations 2013 (2013/3113) power tools that are no longer usable must be collected separately and disposed of in an environmentally friendly manner.

Declaration of conformity

Declaration of conformity in accordance with the EC Machinery Directive 2006/42/EC, Annex II, Part 1, Section A

We – Trotec GmbH – declare in sole responsibility that the product designated below was developed, constructed and produced in compliance with the requirements of the EC Machinery Directive in the version 2006/42/EC.

Product model / Product:	TAC XT 18 TAC XT 27
Product type:	vertical heater
Year of manufacture as of:	2022

Relevant EU directives:

- 2011/65/EU: 01/07/2011
- 2014/30/EU: 29/03/2014

Applied harmonised standards:

- EN ISO 12100:2010
- EN ISO 13849-1:2015
- EN ISO 13857:2019
- EN ISO 14118:2018
- EN 55011:2016
- EN 55011:2016/A1:2017
- EN 55011:2016/A11:2020
- EN 60204-1:2018
- EN 60335-1:2012
- EN 60335-1:2012/A11:2014
- EN 60335-1:2012/A13:2017
- EN 60335-1:2012/AC:2014
- EN 60335-2-65:2003
- EN 60335-2-65:2003/A11:2012

Applied national standards and technical specifications:

- None

Manufacturer and name of the authorised representative of the technical documentation:

Trotec GmbH

Grebbener Straße 7, D-52525 Heinsberg

Phone: +49 2452 962-400

E-mail: info@trotec.de

Place and date of issue:

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Detlef von der Lieck, Managing Director

Trotec GmbH

Grebbener Str. 7
D-52525 Heinsberg
+49 2452 962-400
+49 2452 962-200

info@trotec.com
www.trotec.com