komfovent

DOMEKT R 200 VSO C8

INSTALLATION MANUAL

CONTENT

EN

1. INTRODUCTION

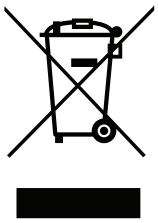
This manual is intended for qualified technicians installing the DOMEKT air handling unit. Qualified professionals are persons with sufficient professional experience and knowledge of ventilation systems, their installation, knowledge of electrical safety requirements and ability to work without risk to themselves or others.

1.1. Safety requirements

To avoid misunderstandings, read this manual carefully before installing the unit.

Air handling unit may only be installed by a qualified technician in accordance with the instructions given in this manual and in accordance with applicable legal and safety requirements. The air handling unit is an electrical-mechanical device that contains electrical and moving parts, therefore, ignoring the instructions in the manual not only shall invalidate the manufacturer's warranty but can also cause direct damage to property or human health.

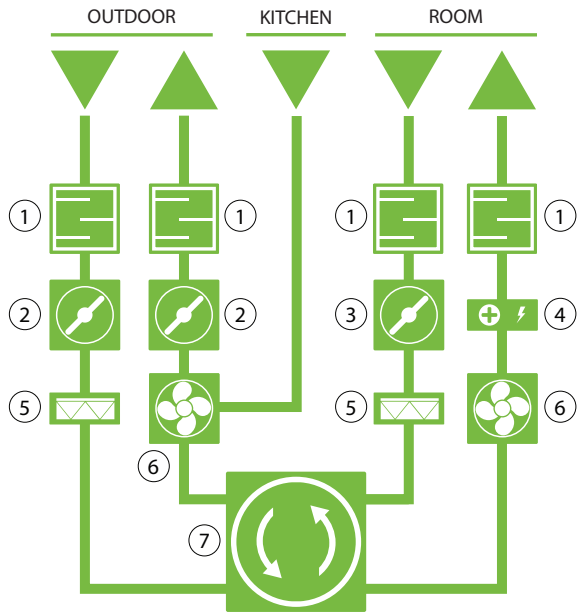
- **When performing any kind of work, make sure the unit is unplugged from electrical supply.**
- **Use caution when working near heaters inside or outside the unit, as their surfaces may be hot.**
- **Do not connect the unit to the power supply network before all the external assemblies are fully installed.**
- **Do not connect the unit to the electrical supply, if there is visible damage that occurred during transport.**
- **Do not leave objects or tools inside the unit.**
- **It is forbidden to operate the unit in the premises where there is a risk of release of explosive substances.**
- **Use appropriate personal protective equipment (gloves, goggles) when installing or repairing the unit.**



This sign means that the product may not be disposed of together with your household waste as defined in Directive (2002/96/EC) and national legislation on the management of WEEE. This product must be disposed of at an appropriate collection point or recycling facility for waste electrical and electronic equipment (WEEE). Improper handling of this type of waste due to hazardous substances inside electrical and electronic equipment can endanger the environment and human health. By helping to ensure proper disposal of this product, you will also contribute to the efficient use of natural resources. For more information on how to dispose of such waste for further recycling, contact your city authorities, waste management organisations, approved WEEE systems or your household waste management bodies representatives.

1.2. Design of the unit

R 200 VSO air handling unit is a device designed for apartment ventilation. It has integrated air filters, heat exchanger and integrated silencers. The unit is ready to be connected to the duct system and kitchen hood extraction (if used). The rotating wheel of the rotary heat exchanger absorbs heat or cold from the air of the premises, transferring it to the fresh outdoor air. If recuperation is not required, the rotation of the rotary heat exchanger is stopped.



1 – Silencers

2 – Air closing dampers

3 – Air regulation damper

4 – Electrical heater

5 – Air filters

6 – Fans

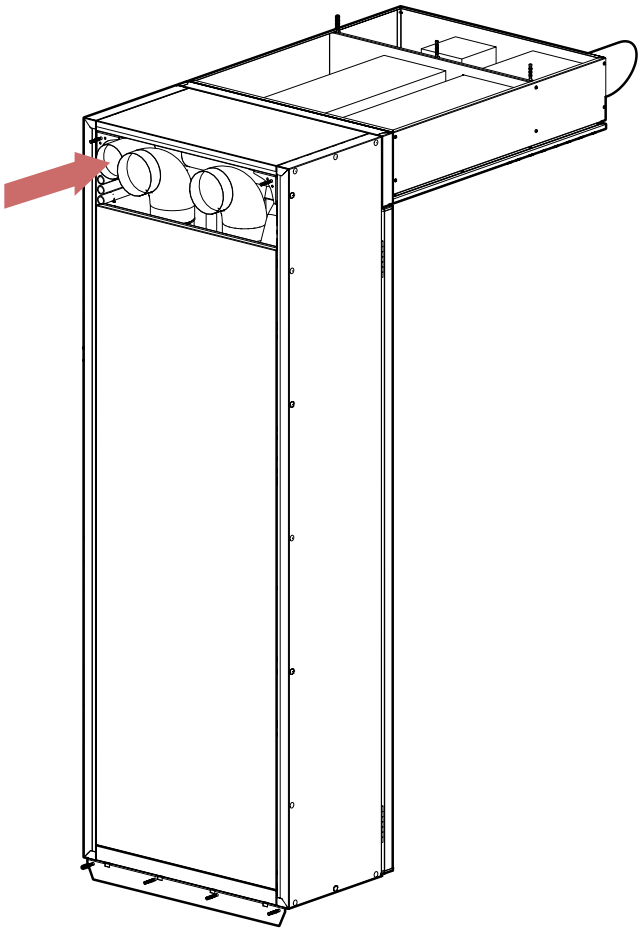
7 – Rotary heat exchanger

Fig. 1. Functional view of the unit

If the capacity of the heat exchanger is not sufficient to reach the temperature set by the user, electrical heater may additionally be switched on. Heat exchanger and heater are designed to compensate for heating/cooling losses during the ventilation of the premises, thus AHU is not recommended to be used as main heating/cooling source of the building. AHU may not reach the supply temperature setpoint if the actual room temperature differs a lot from the desired value, since in that case heat exchanger capacity will be low.

R 200 VSO unit can be ordered in two configurations. The difference is in a position of a connection for the additional extraction duct. If looking from the back side of the unit, this extract duct may be on the left or right side. All other unit components are the same.

Domekt R 200 VSO R1



Domekt R 200 VSO R2

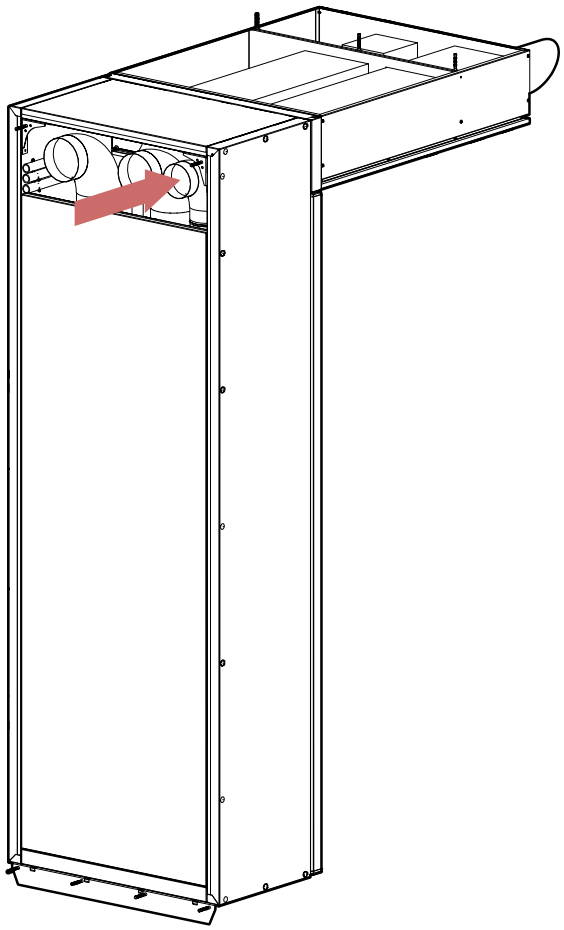
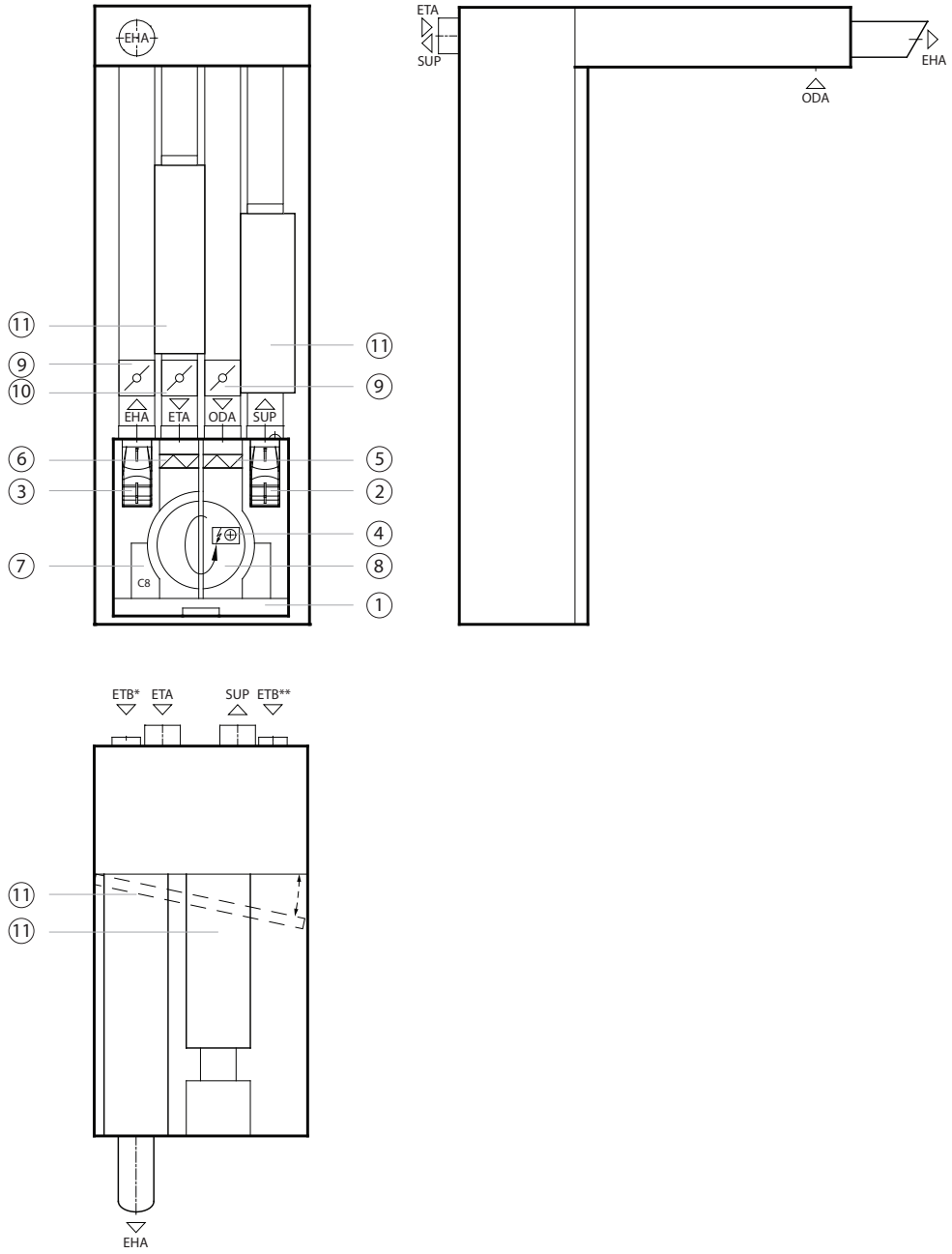


Fig. 2. Additional extract connection position according to AHU configuration

Below is the principal diagram of the air handling unit, including the marking of assemblies of the unit.



ODA – Outdoor air

SUP – Supply air

ETA – Extract air

EHA – Exhaust air

ETB* – By-pass extraction without heat recovery (Only R2 configuration)

ETH** – By-pass extraction without heat recovery (Only R1 configuration)

(1) – Air handling unit

(2) – Supply air fan

(3) – Extract air fan

(4) – Electrical heater

(5) – Outdoor air filter

(6) – Extract air filter

(7) – C8 contoller main board

(8) – Rotary heat exchanger

(9) – Air closing dampers

(10) – Extracted air regulation damper

(11) – Silencers

2. UNIT TRANSPORTATION AND STORAGE

Equipment must be transported and stored in the original packaging. During transportation, equipment must be properly secured and further protected against possible mechanical damage, rain or snow.

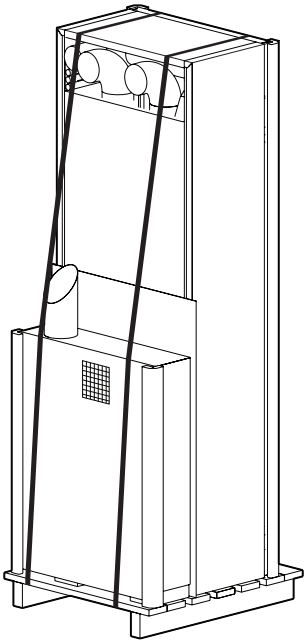


Fig. 3. Examples of equipment packaging

Forklift truck or crane can be used for loading or unloading. For the crane operation, special lashes or ropes must be used to securing them in the designated areas. Ensure that lifting lashes or ropes do not crush or otherwise damage the housing of the unit. When lifting and transporting the equipment with a forklift, the forks must be long enough to prevent the unit from being overturned or mechanically damaging its bottom side. Air handling units are heavy, therefore, be careful during lifting, moving or transportation. Use personal protective equipment.

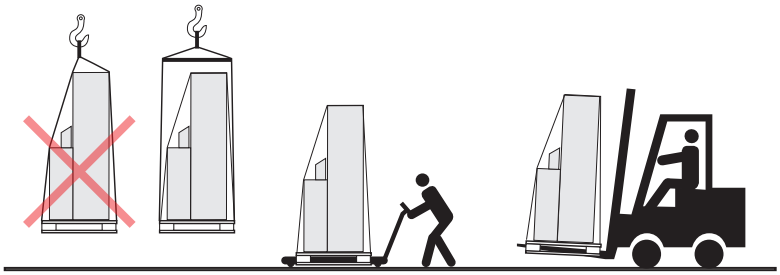


Fig. 4. Examples of transportation by crane, forklift and trolley

After delivery of the air handling unit, carefully inspect its packaging for damage. If mechanical or other damage is visible (e.g., wet cardboard packaging), notify the carrier immediately. If the damage is significant, do not accept the unit. Inform the selling company or the representative of UAB KOMFOVENT within three business days about any damage detected during delivery.[1]

Units should be stored in a clean, dry room at a temperature of 0–40°C. When selecting a storage location, make sure the unit is not accidentally damaged, that other heavy objects are not loaded on top and dust or moisture does not get inside the unit.

Before installation AHU must be stored in clean and dry premises in their original packaging. If the unit is installed but not yet in use, all connection openings must be tightly closed and the unit must be additionally protected against environmental influences (dust, rain, cold, etc.).

[1] UAB KOMFOVENT is not responsible for losses caused by the carrier during transportation and unloading.

3. MECHANICAL INSTALLATION

3.1. Installation site requirements

DOMEKT R 200 VSO units are designed to be installed outdoors in open spaces. For proper unit mounting it is needed a straight wall and a partial ceiling on top of it, so open balconies or similar spaces are perfect for the installation. The top part of the unit has intake and exhaust openings, so make sure it will not be blocked by other walls or building constructions.

DOMEKT air handling units are not designed for ventilation or dehumidification of humid premises (swimming pools, baths, car washes, etc.).

Make sure that children will not reach and will not play with air handling unit without adult supervision.

3.1.1. Maintenance area

When selecting the installation or mounting location of the unit, provide unrestricted and safe access to the equipment for its repair or preventive maintenance. The inspection opening (if any) should not be less than the size of the unit and the installation must allow easily dismantlement if necessary (e.g. in the case of complicated repairs). Minimum space for maintenance refers to an area free of any fixed or immovable equipment, constructions, walls, structures or furniture.

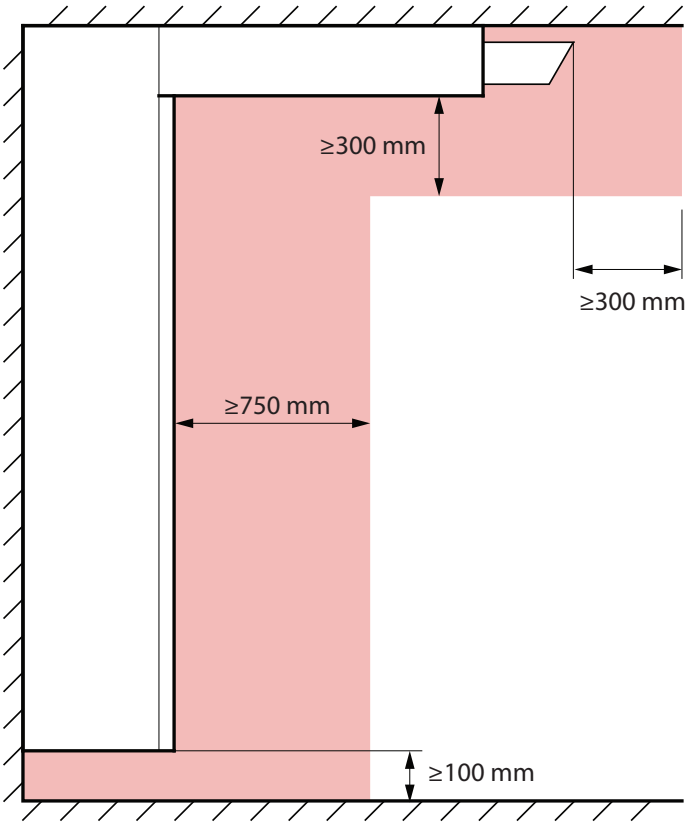


Fig. 5. Minimum space for maintenance

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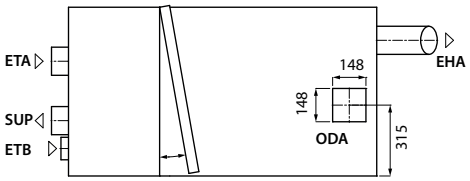
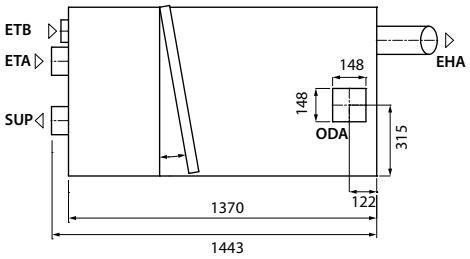
3.2. Unit dimensions

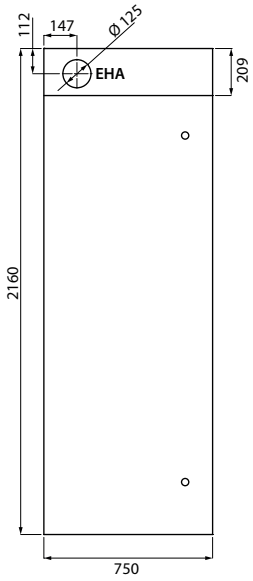
Bottom view / R1 configuration



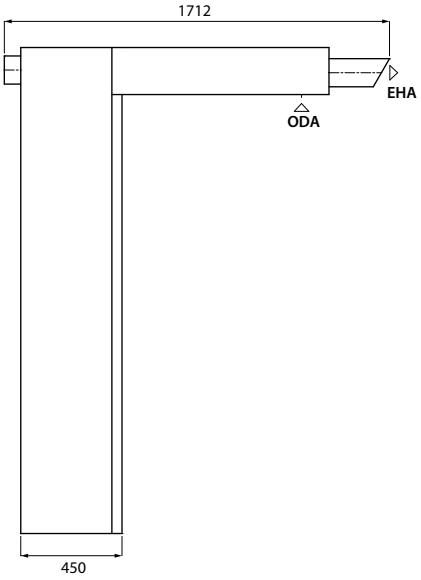
Bottom view / R2 configuration



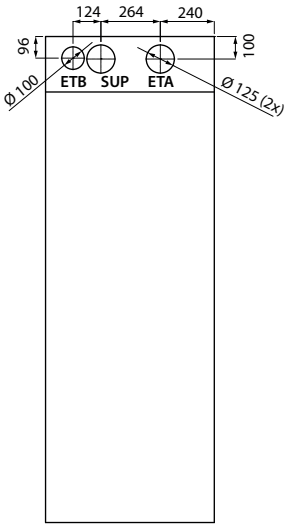
Front view



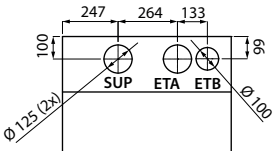
Side view



Back view / R1 configuration



Back view / R2 configuration



Special brackets, wall screws with plastic bushings, and self-tapping screws are provided for mounting the unit. However, included screws and bushings can be replaced if needed to suit the specific materials from which the mounting constructions are made.

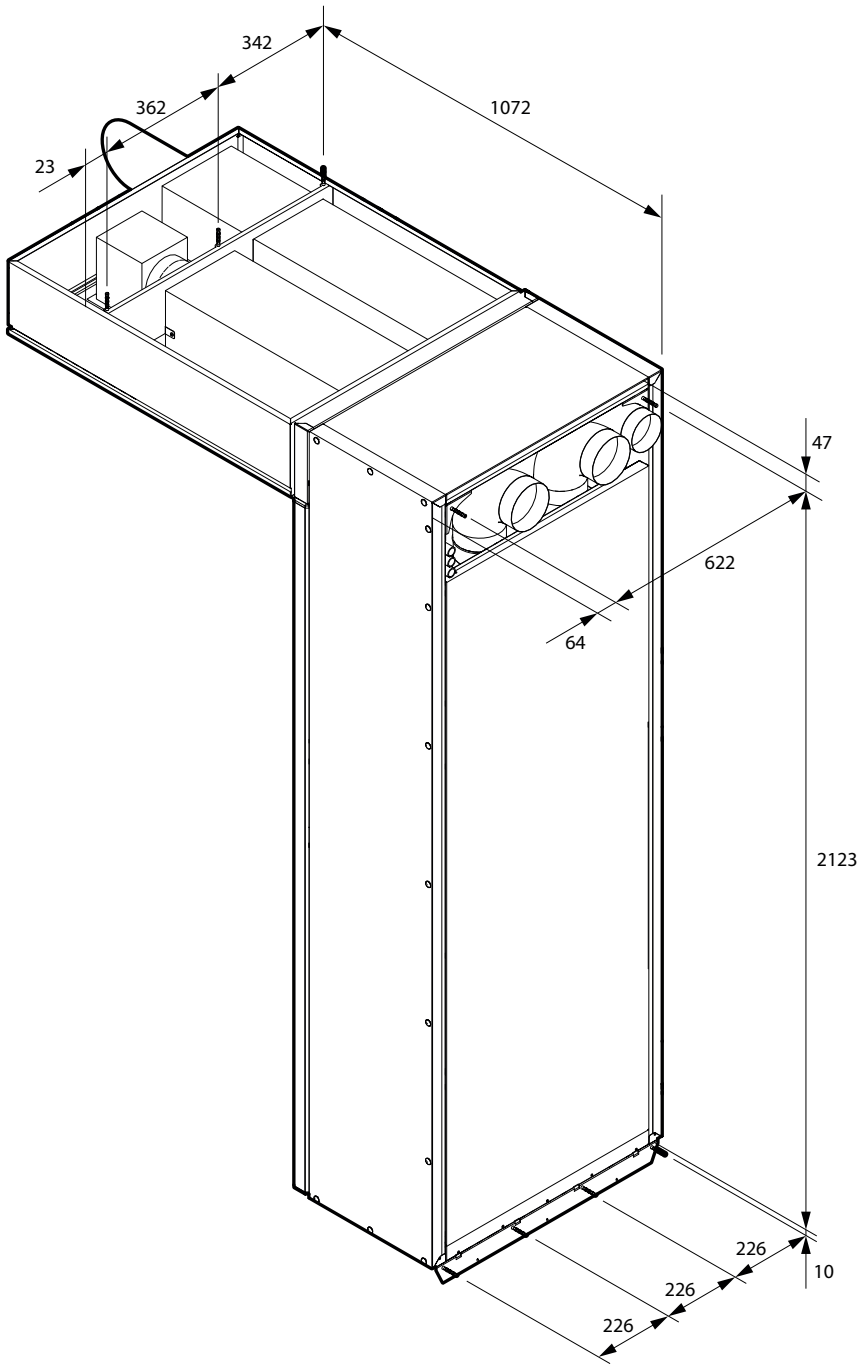
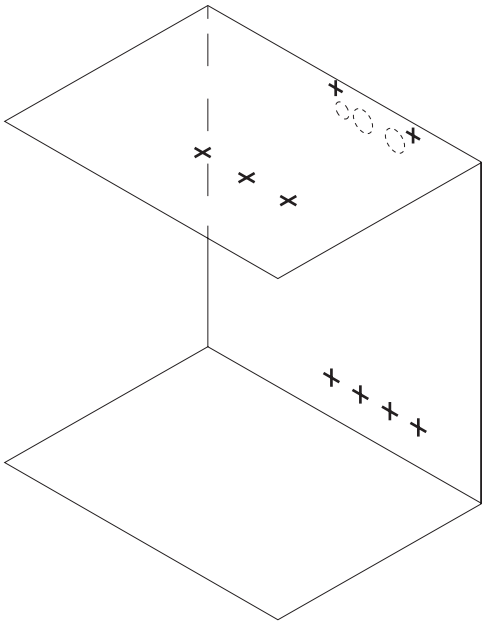


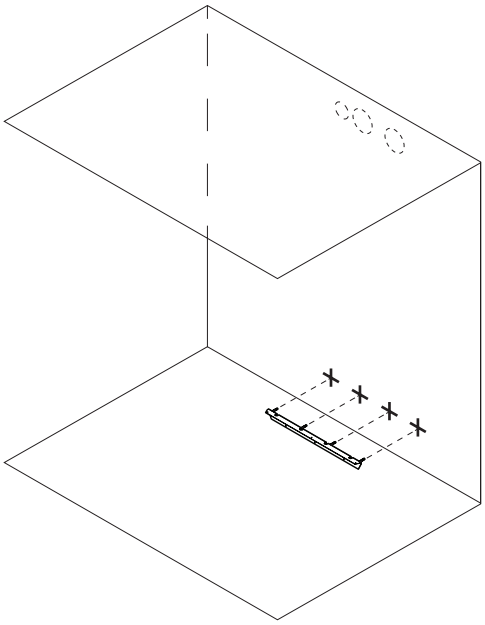
Fig. 6. Location of the mounting points

3.3. Unit mounting at the installation place

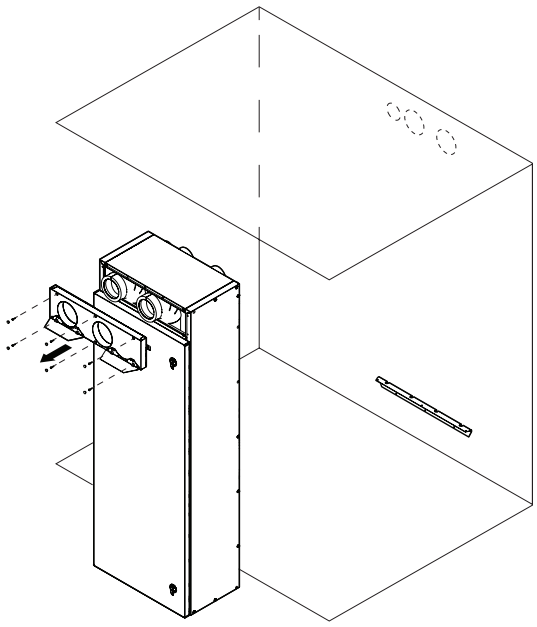
Below are the unit mounting steps:



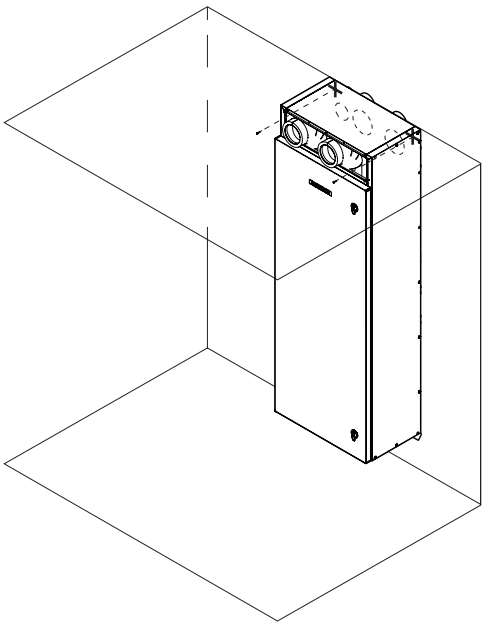
1. Measure the distances and prepare mounting points.



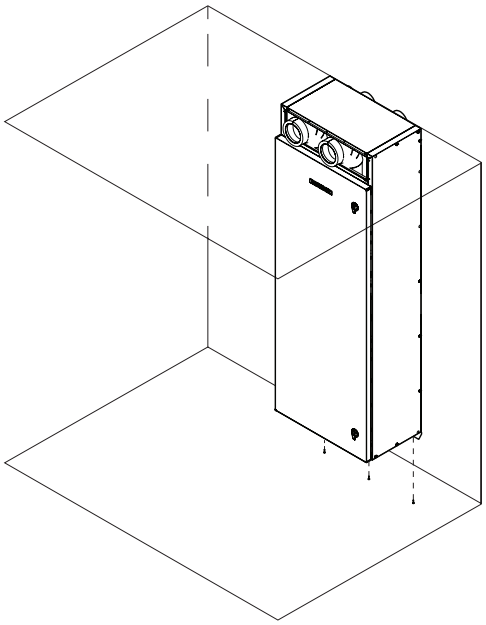
2. Fix the bottom mounting bracket to the wall using suitable screws.



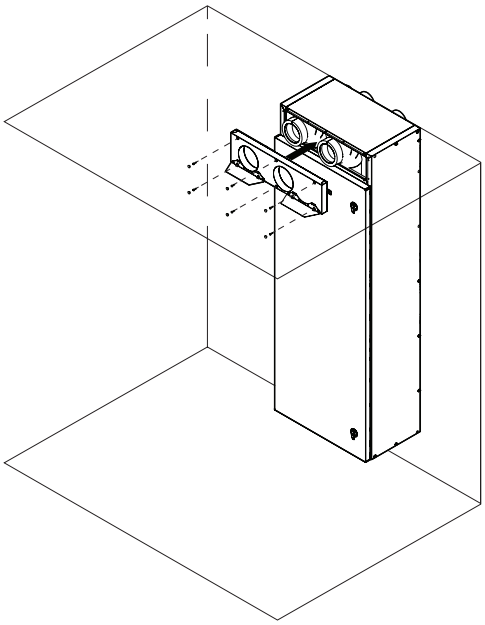
3. Unscrew 6 bolts and remove the duct connection cover



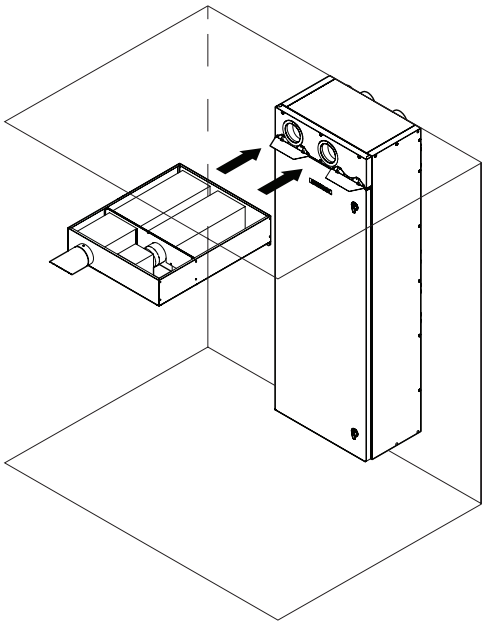
4. Put the main unit cabinet onto the bracket and fix it to the wall with 2 screws on top



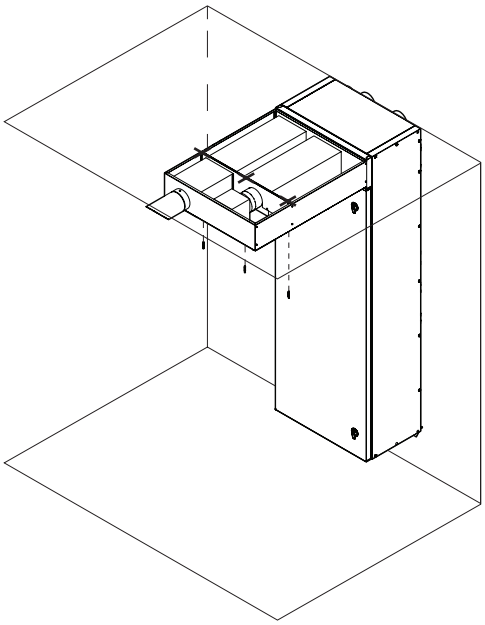
5. Secure the unit bottom by fixing it to the bracket using 3 self-drilling screws. Connect the ducts from inside of the cabinet if this can not be done from the other side of the mounting wall.



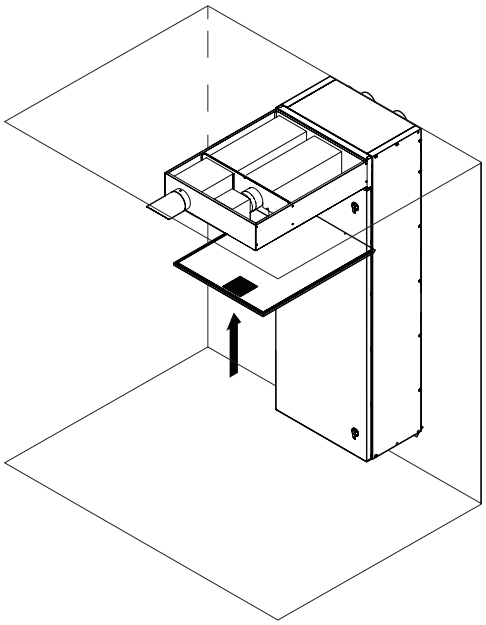
6. Put the duct connection cover back and tighten bolts. Seal the perimeter of the cabinet to prevent air and heat leakage, also to protect from water getting in between the cabinet and the wall.



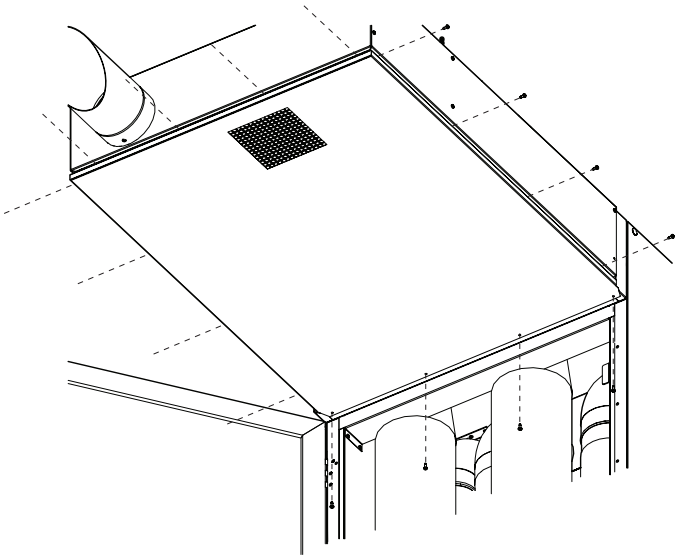
7. Put the silencer box onto the holders and push it firmly to connect the ducts.



8. Fix the silencer box to the ceiling with 3 suitable screws



9. Put on the silencer box cover



10. Fix the cover using self-drilling screws around the perimeter of the silencer box (open the main cabinet door for better access)

It is forbidden to drill or screw into the casing of the unit, in places not provided for this purpose, as there is a danger of damaging cables or tubes inside the housing.

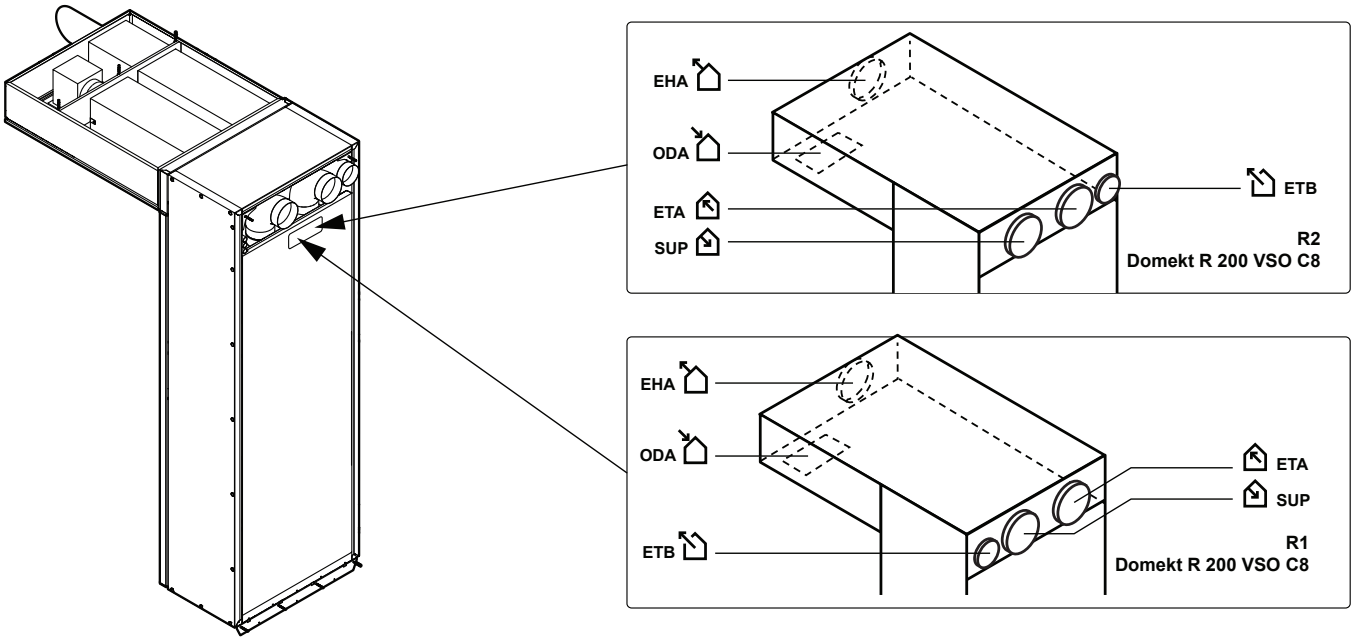
3.4. Duct system installation

The air in and out of the unit flows through the duct system. The duct system should be designed and selected to have low airflow rates and low pressure differentials, ensuring more accurate airflow rates, lower energy consumption, lower noise levels and longer life of the unit.

Try to install the air intake vents where the outdoor air is the cleanest: do not direct them towards the street, car park or outdoor fireplace.

It is recommended to insulate the ducts in unheated rooms (attic, basement) to avoid heat loss. It is also recommended to insulate the supply air ducts if the unit is used for room cooling.

The air ducts are fixed to the unit with self-tapping screws. For easier duct connection, it is recommended to connect pieces of the ducts, before mounting unit on the wall. These duct pieces should be several centimeters longer than a thickness of the mounting wall, so it will be enough length to connect main duct system from the room side. If not possible, there are also possibility to access duct connection points from inside of the unit cabinet (see paragraph "Unit mounting at the installation place"). Different air flow duct positions are marked on the sticker located on the AHU:



ODA – Outdoor air

SUP – Supply air

ETA – Extract air

EHA – Exhaust air

ETB – By-pass extraction without heat recovery

Fig. 7. Air duct marking

R 200 VSO unit has a connection for additional extract duct, marked ETB. Position of this duct depends on the unit configuration (R1 or R2). The airflow through this opening is delivered directly to the exhaust fan, bypassing the filters and heat exchanger, therefore, you can connect ducts from the bathroom, toilet, or kitchen in cases when there is no additional extraction fan in these premises. However, air is extracted through an additional branch without recuperation, thus reducing the efficiency of the heat exchanger. For this reason, we do not recommend using the extra air extraction continuously. An additional exhaust duct should be fitted with air closing damper (motorized are recommended) and should only be opened when additional extraction is required (e.g. when bathing). If the additional branch is connected to the kitchen hood with an integrated closing damper, an additional damper is not needed.

Extracted air duct of the unit is equipped with a regulation damper (see Principal diagram). This damper allows to make an extraction through additional by-pass duct more effective, by limiting main extract flow from the room.

- **Duct system elements must have separate brackets and to be mounted in a way that their weight is not shifted to the unit casing.**
- **After the duct system is connected, seal the gap in the wall around duct connections to prevent the heat loss.**
- **The kitchen hood with integrated exhaust fan must not be connected to the additional air exhaust duct. Such hood must be connected to a duct separated from the general ventilation system.**

3.5. Connection of external heating/cooling units[1]

The following devices may be additionally connected to DOMEKT air handling units:

- Water heater.
- Water cooler.
- Direct expansion (DX) cooler/heater.

These accessories are intended for installation inside the supply air duct. A qualified specialist must perform all connections to the heating or cooling system piping.

When connecting the heater/cooler pipes, they must be supported by a box spanner – otherwise they will be damaged. If water is used in the heater, for frost protection water temperature sensor (B5), must be installed and fixed with strap on the return water pipe as close to the heater as possible. Fix the sensor in a way that its metal part has good contact with a surface of the pipe. The sensor must be thermally insulated so that the room temperature does not distort water temperature measurements.

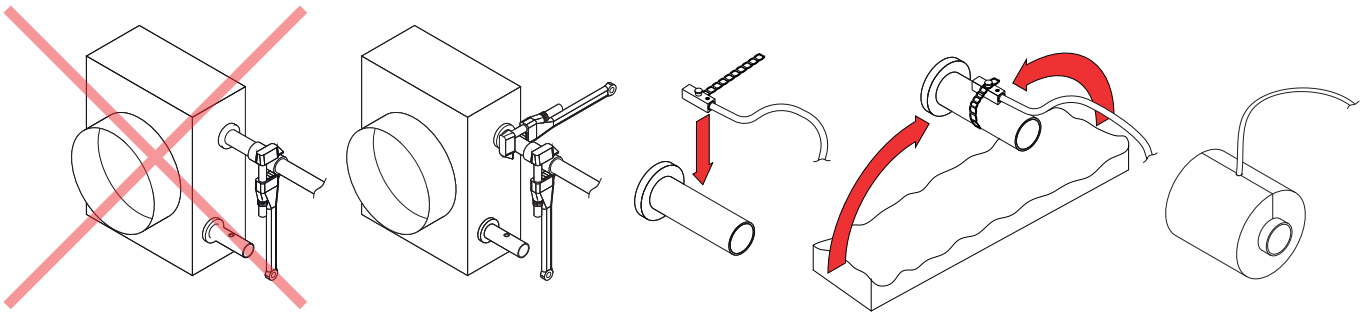


Fig. 8. Connecting the water heater/cooler hoses and installing the water temperature sensor

[1] Ordered separately.

When operating the unit with negative outdoor temperature, a water-glycol mixture must be used as heat medium in a water heater or cooler or it is necessary to ensure a return water temperature of at least 25°C.

Pipework package[1] must include circulation pump, which circulates heating/cooling medium through the coil (smaller circuit) and 3-way mixing valve with modulated actuator. In cases if 2-way valve is used, additionally it must be installed non-return valves to ensure continuous circulation around smaller circuit. PPU must be installed as close to the water coil as possible.

Heat exchanger coil of DX coolers/heaters are factory-filled with nitrogen gas. Before connecting heat exchanger coil to the refrigerant system, the nitrogen gas is discharged through a valve which is then cut off and coil connections are soldered to the pipeline.

4. ELECTRICAL INSTALLATION

Electrical works may only be carried out by a qualified electrician in accordance with the instructions given in this manual and in accordance with applicable legal requirements and safety requirements. Before performing electrical component installation:

- **Make sure the unit is unplugged from the mains.**
- **If the unit has been standing in an unheated room for a long time, make sure there is no condensation inside it and check that the connectors and electronic parts of the connectors are not damaged by moisture.**
- **Check the insulation of the power cable or other cables for damage.**
- **Locate the electrical diagram of the unit.**

[1] It is recommended to use PPU made by Komfovent.

Inside the main cabinet of the unit, there are prepared corrugated cable installation pipes for easier cable routing. Also, there is a power socket where the main power from the building must be connected.

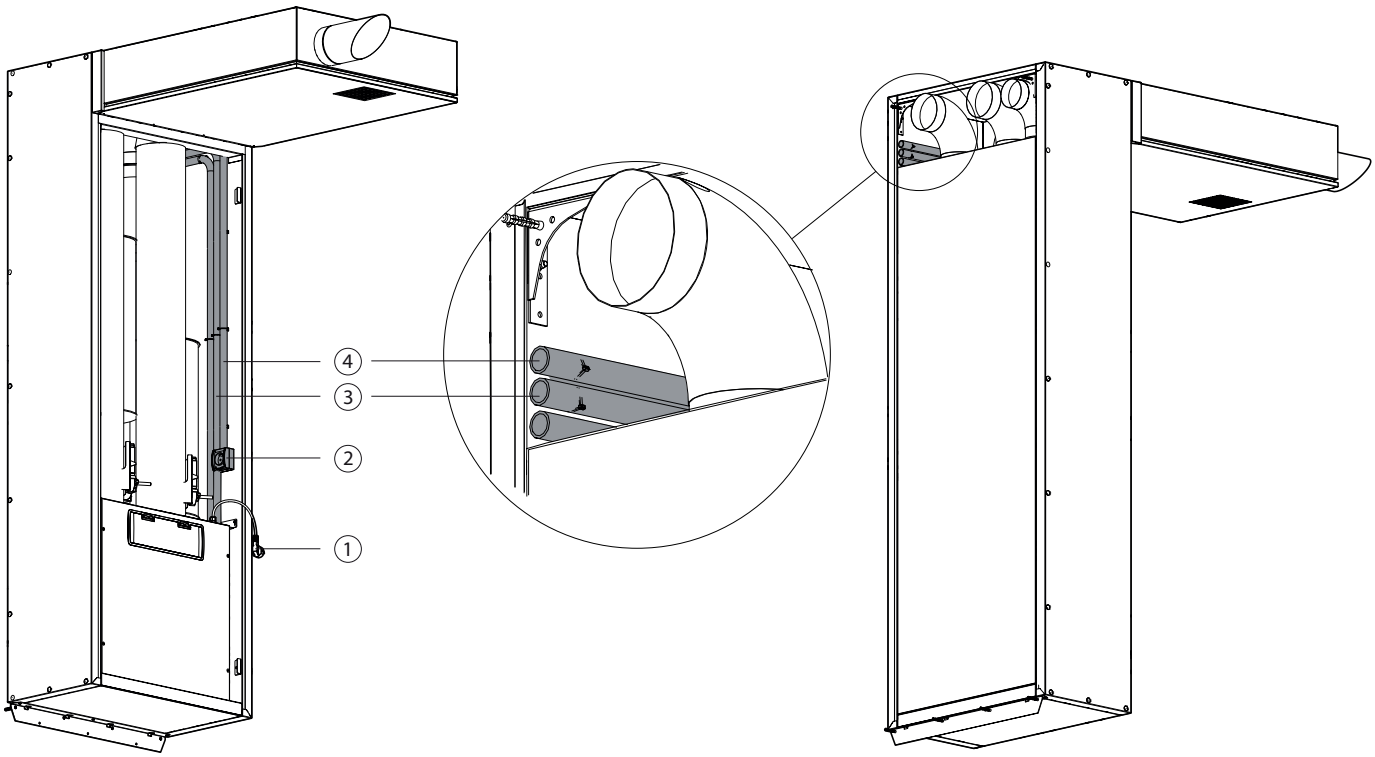


Fig. 9. Cable routing channels
1 – power cable with a plug of the air handling unit, 2 – power socket, 3 – cable installation pipes, 4 – installation pipe for the main power cable.

4.1. Electrical input requirements

- **The power supply rating for the unit is 230 V AC, 50 Hz.**
- **Connect the unit only to suitable power socket with appropriate earthing and meeting the electrical safety requirements.**
- **It is recommended to connect AHU to the mains via 16 A automatic circuit breaker with 30 mA current leakage protection (type B or B+).**
- **All external electrical elements must be connected strictly according to the electrical diagram of the unit.**
- **Do not disconnect the connectors by pulling them on wires or cables.**

4.2. Connecting electrical components

All internal and external unit elements are connected to the main controller board.

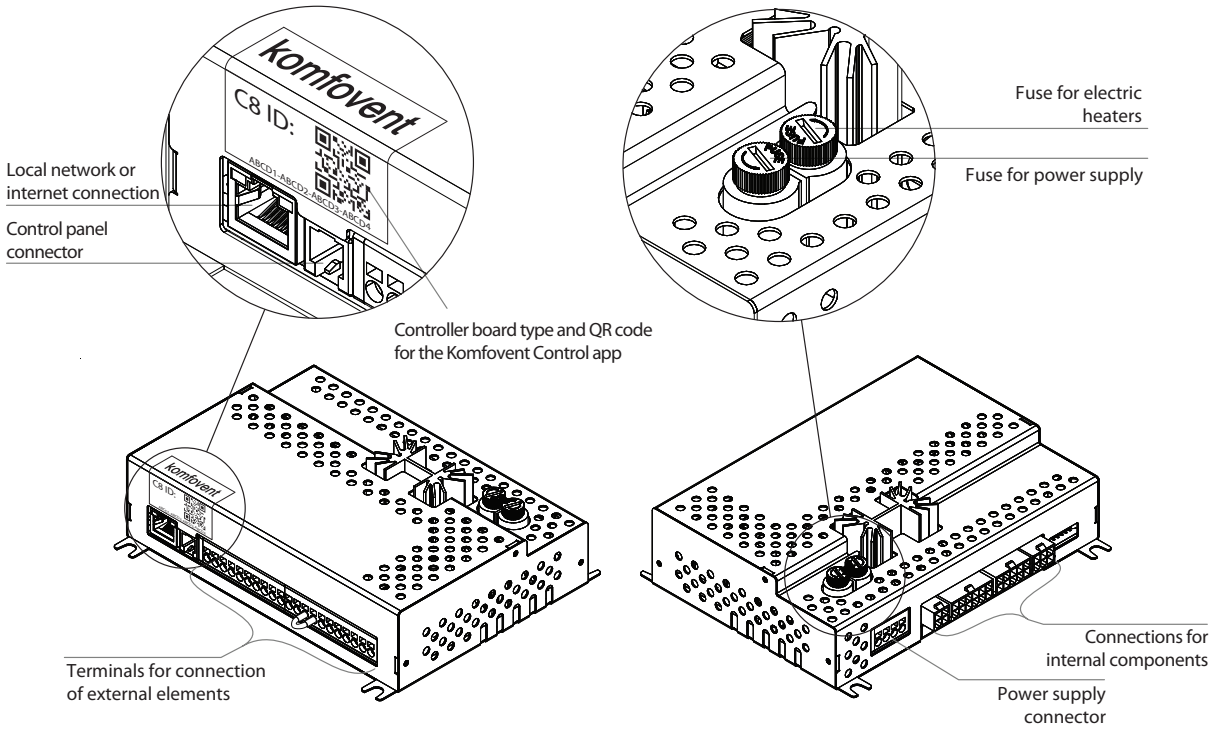


Fig. 10. C8 controller main board

The controller board on the unit is concealed under the protective cover that must be removed for access to the controller terminals. For the location of the automation box and the controller board, see section 1.2. The terminals of the external elements of the controller board are numbered and are used only to connect optional components and may remain empty if no additional features are required.

1	A	Modbus RTU	RS485
2	B		
3	+24V	Air quality sensor / Humidity sensor	B8
4	GND		
5	0..10V		
6	+24V	Water mixing valve actuator / DX control	AOUT
7	GND		
8	0..10V		
9	NTC	Supply air temperature sensor	B1
10	GND		
11	NTC	Return water temperature sensor	B5
12	GND		
13	C	General Fire alarm Priority	DIN
14	NC		
15	NO		
16	C	General Heating Cooling	DOUT
17	NO		
18	NO		
19	⏚	Air damper actuators Max 15W	FG1
20	~230V		
21	N		

Fig. 11. Terminals for connecting external elements of C8 board

- **The terminal numbering shown here only applies for C8 controller board. Before connecting the external elements, check the board type on the sticker in the front of the controller (see Fig. 10).**
- **The total power of external elements using 24 V voltage may not exceed 30 W.**

- **RS485 (1–2)** – here it can be connected:
  - Control panel (see. Fig. 14)
  - Data cable for a building management system, working via Modbus RTU protocol.
  - Fire dampers controller.[1]
- **B8 (3–5)** – for connection of air quality or humidity sensors for "Air quality" function. When the sensors are connected, its type and connection point must be specified in the settings (see "Domekt User Guide").
- **Outputs TG1 (6–8)** – Power supply and control signal for a water mixing valve actuator of the external heat exchanger or direct evaporation (DX) cooler/heater. Depending on the "External coil" type selected in the settings (see "Domekt User Guide"), the valve actuator will be controlled by a heating or cooling signal.
- **B1 (9-10)** – if additional duct-mounted heating/cooling devices are used, duct supply air temperature sensor must be installed. In the duct, the sensor must be installed downstream all heating/cooling units at a distance of at least two duct diameters from the nearest heat exchanger coil.

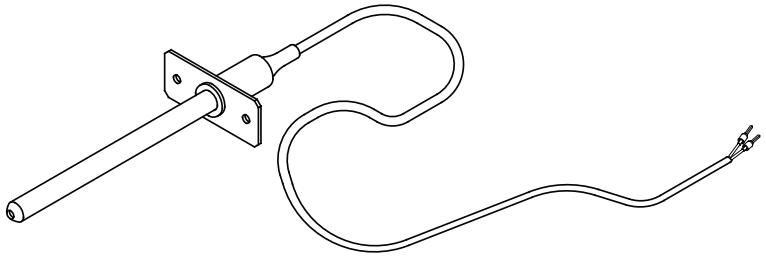


Fig. 12a Duct mounted supply air temperature sensor

- **B5 (11-12)** – for duct mounted water heater, a return water temperature sensor must be installed to protect against freezing (see section 3.5).

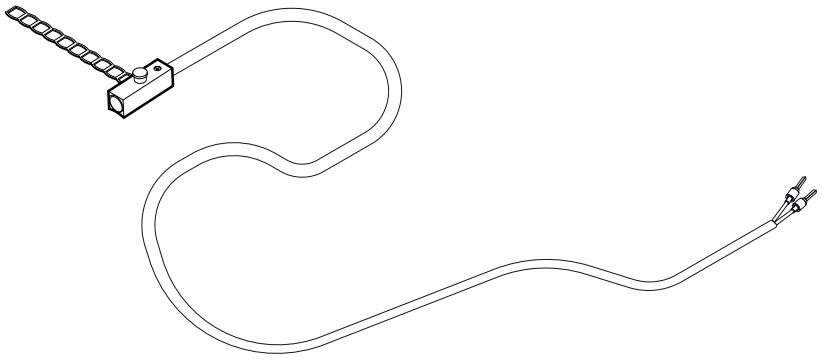


Fig. 12b. Water temperature sensor

- **Inputs (13–15)** – to switch between the "Override" ventilation modes (see "Domekt User Guide"), connect the respective terminals together with the common terminal 13 (ventilation modes will operate until the terminals are connected). To activate these modes, a switch, a motion detector or kitchen hood with normally open contacts (NO) can be connected to the terminals.

[1] Optional fire damper controller must be configured and connected. Refer to Fire damper controller manual for more information.

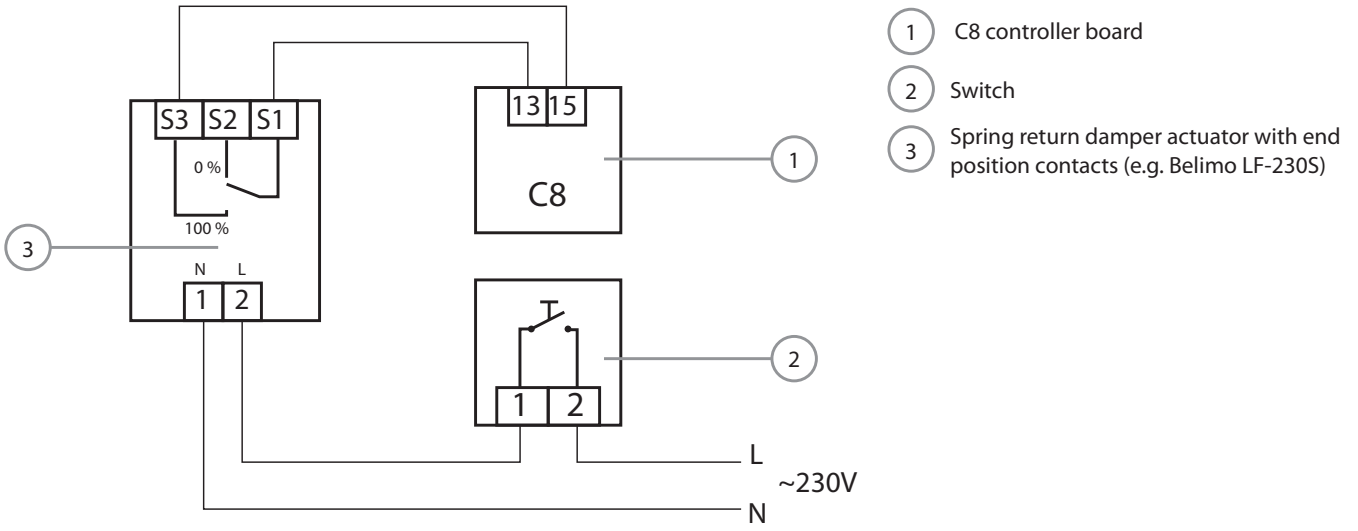


Fig. 13. Example of "Override" ventilation mode activation when using additional air extraction with a motorised damper

Fire alarm requires a normally closed contact (NC), therefore, a jumper is connected between terminals 13 and 14, instead of which, building fire system can be connected. When the contact is disconnected, the unit is stopped and a fire alarm message is displayed.

- **Outputs (16–18)** – the terminals are used when external heating/cooling units require an additional closed/open contact (i.e. to start the DX unit). The corresponding contacts are closed depending on whether the air handling unit heats or cools.
- **FG1 (19–21)** – terminals used to connect air damper actuators. 230 V power supply actuators with or without a spring return can be connected to them.

4.3. Control panel installation

The control panel must be installed in a room with:

- ambient temperature – 0...40°C;
- relative humidity 20% to 80%;
- protection against accidental water droplets.

The control panel can be mounted on a concealed mounting box or directly on the wall – the screws are supplied with the panel. You can also use the magnets on the back to attach the panel to metal surfaces. If possible, mount the control panel in a place with good circulation of the ventilated air. Do not install the control panel inside of cabinets, behind doors, in a corner of a room and avoid direct sunshine. This is very important when room temperature maintenance is used, which uses temperature and humidity sensors inside of the control panel for operation.

Do not use any other size or type of screws but those that are packed together for control panel mounting. Wrong screws may damage the panel's electronics board.

The control panel comes with a 10 m cable. If this cable is too short, you can replace it with a 4×0.22 mm cable, no longer than 150 m.

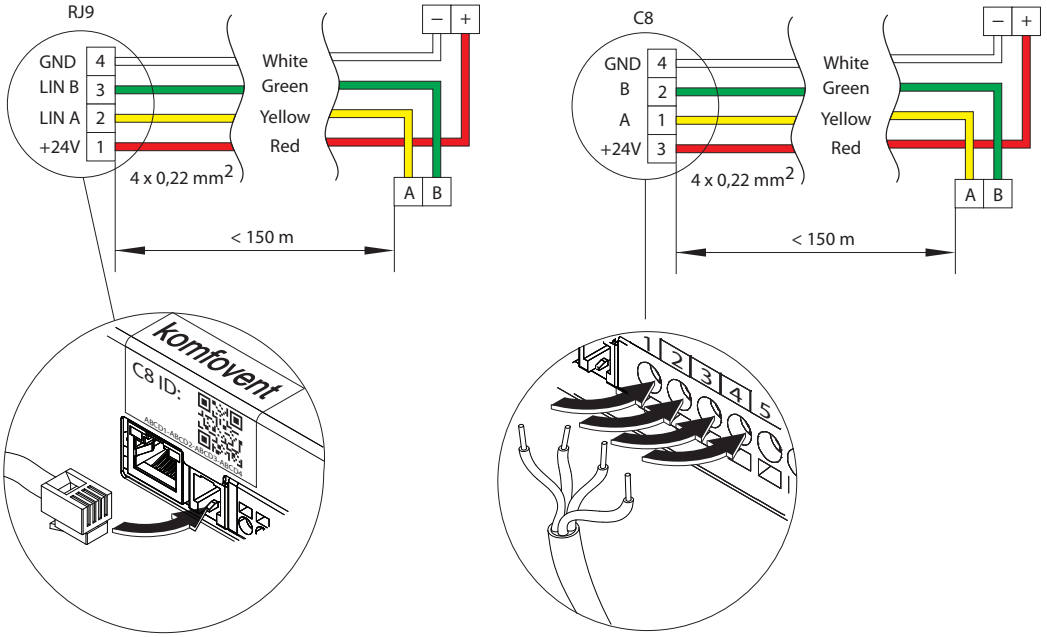


Fig. 14. Control panel cable wiring diagram

Control panel cable is connected to the C8 main board as shown in Fig. 14. If needed, the panel cable can be also connected to an external RJ10 connector.

It is advisable to run the control panel cable in such a way that it does not go near the power supply wires or high voltage electrical equipment (electrical inlet cabinets, electric water heating boiler, air conditioning unit, etc.). The cable can be passed through the holes in the back or bottom of the control panel (follow the installation instructions supplied with the control panel). The wire to C8 controller board is connected to a dedicated slot (RJ9 connector; see Fig. 10) or to the terminals for external connections.

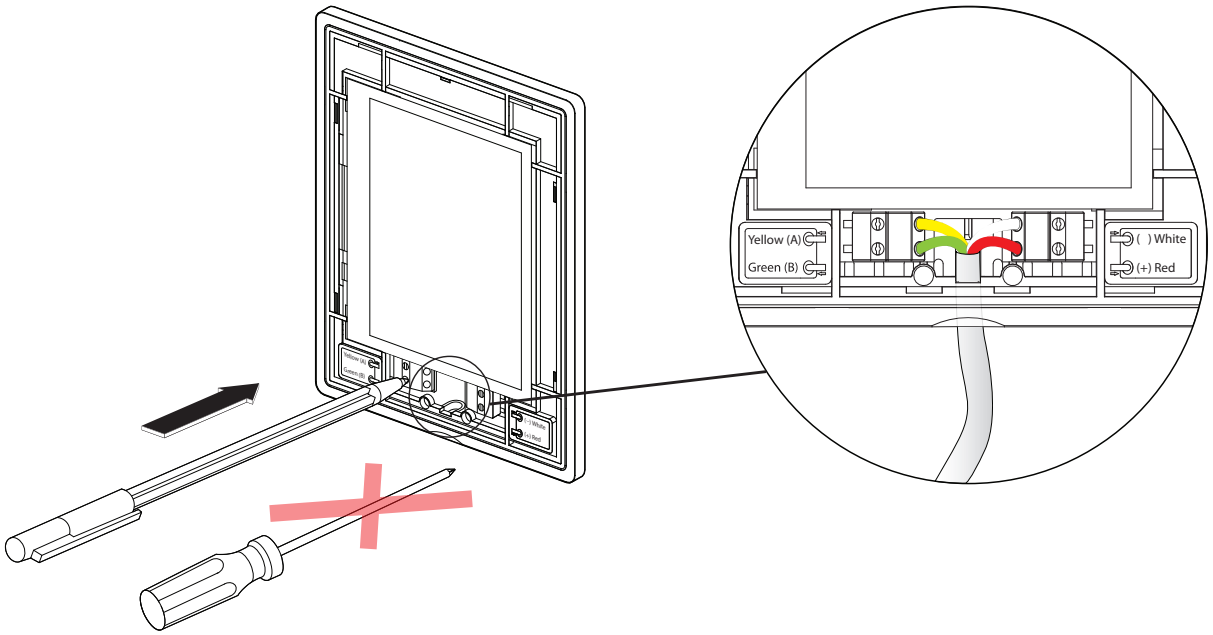


Fig. 15. Cable connection to the control panel

Do not use sharp tools (e.g. screwdriver) to press on the control panel's contacts. Pencil or ballpoint pen is best for this.

4.4. Connecting the unit to an internal computer network or the Internet

The unit can be controlled not only by the control panel, but also by computer or smart phone. In such cases, the air handling unit must be connected to an local computer network or to the Internet. The unit is controlled by a computer using a web browser, or a smartphone with a Komfovent Control app. The air handling unit is connected to the computer network with a CAT5 type cable (RJ45 connector; see Fig. 10). The total cable length between the unit and the network router must not exceed 100 m.

By default, the IP address of the air handling unit is 192.168.0.60, but it can be changed (if necessary) according to the local network parameters. The IP address can be found and changed on the control panel[1].

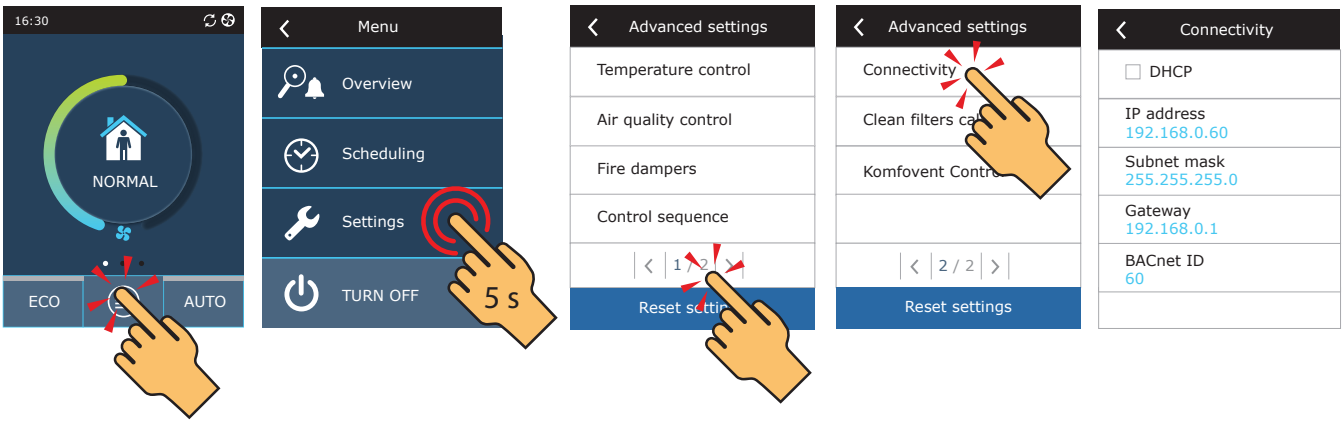


Fig. 16. View and change the IP address of the AHU on the control panel

An air handling unit connected to a network router can be controlled by a computer via a wireless connection (Wi-Fi) on the internal network. After connecting the unit to the network router, activate the DHCP setting on the panel (see Fig. 16). This will automatically assign the unit a free IP address on the local network (do not use this setting if you connect the computer directly to the unit).

When connecting the computer directly to the unit, in the network settings of the computer, it is needed to manually assign an IP address the last number of which would be different from the unit's IP address (for example, if the unit's IP address is 192.168.0.60, assign the address 192.168.0.70 to the computer). Also enter the subnet mask: 255.255.0.0.

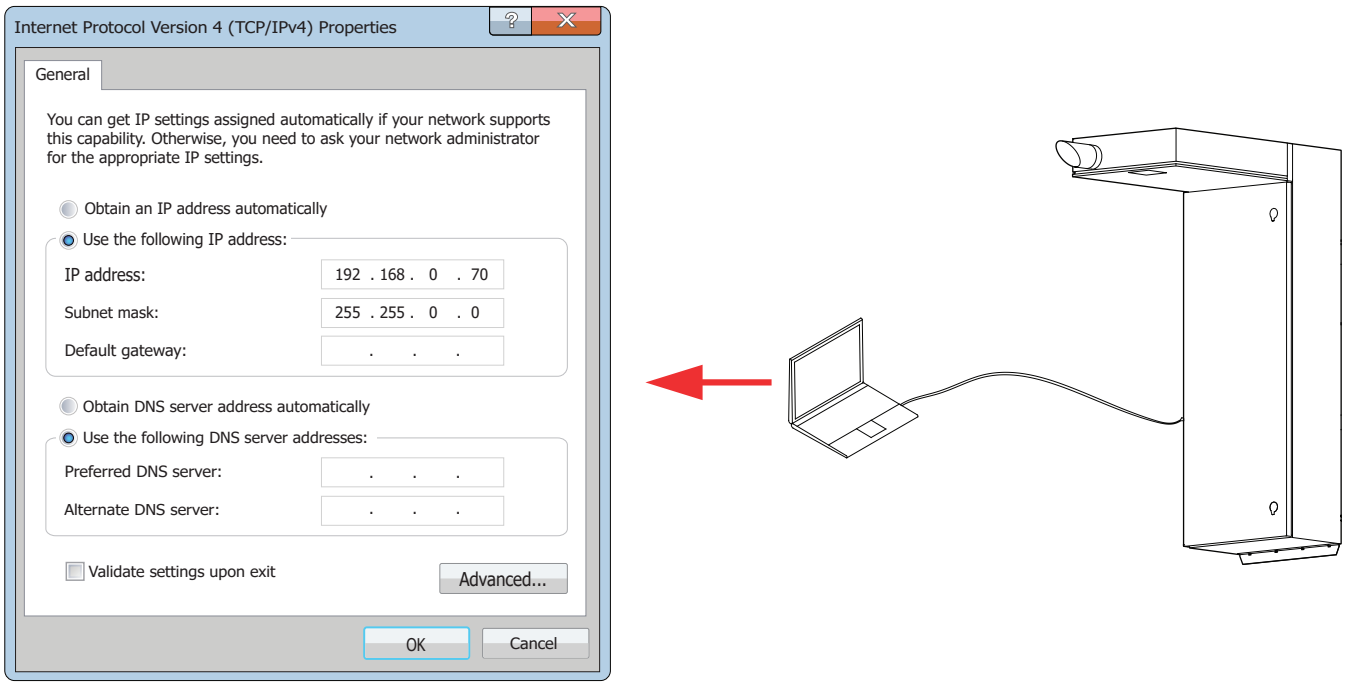


Fig. 17. Computer network settings for direct connection to the unit

[1] Only on the C6.1 panel (see Fig. 19).

To control the unit over the Internet, it must be connected to a network router with Internet access. Subsequent settings vary depending on whether the unit is controlled by a computer or a smartphone.

- The easiest way to manage your unit over the internet is to use a smartphone with the Komfovent Control app. Launch the app on your phone (the phone must have Internet access). When you connect for the first time, the app will ask you to scan the QR code at the front of the controller board (see Fig. 10). When you scan the code, the app will automatically establish the connection to the unit (for more information on the Komfovent Control app, see "Domekt User Guide").
- You will need to change more settings to control your unit over the Internet using your computer. First, port forwarding must be configured to the IP and port number of the unit 80, according to the instructions of the network router. When you connect to the internet with a computer, you will have to enter an external router IP address and the port number in the Internet browser to point to the user interface of the air handling unit (see "Domekt User Guide" for more information on computer control).

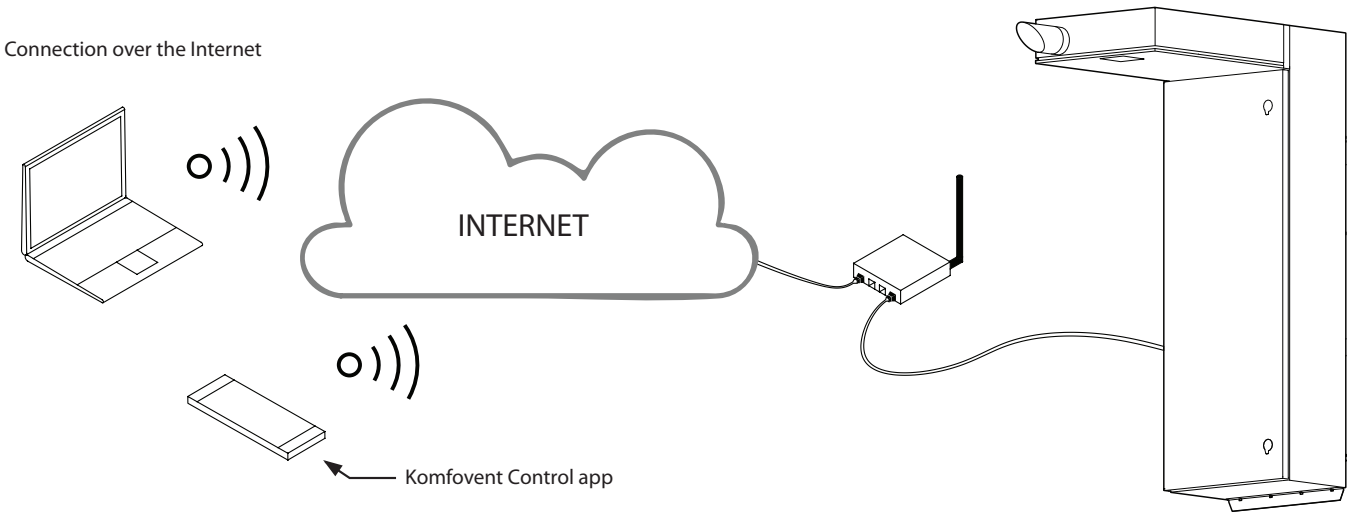


Fig. 18. Examples of unit connection to a local network or the Internet

5. STARTING AND CHECKING THE UNIT

Check for any foreign objects, garbage, or tools inside the unit before turning it on. Check that air filters are installed, or that condensate drainage is connected (if required), and fill the siphon with water. Inspect the duct system for unnecessary obstructions such as fully closed diffusers, regulation dampers, check that outdoor air grills are not blocked.

The operation, maintenance or repair of the air handling unit is prohibited for people (including children) with mental, physical or sensory disabilities, as well as for persons without sufficient experience and knowledge, unless supervised and instructed by the person responsible for their safety in accordance with these instructions.

- **The air handling unit can only be started when it is fully installed, with ducts and external electrical elements connected. Do not start the unit without duct system, as this may distort the measurement of the airflow required for stable fan control.**
- **Do not use the unit with a temporary electrical power supply as unstable power can damage the electronic components.**

For detailed operation instructions please refer to "Domekt C8 user manual".

The air handling unit can be equipped with one of two control panels[1]:

- C6.1 control panel with touch screen and colour display. Many functions and settings of the AHU can be reviewed and adjusted on the panel.
- C6.2 control panel with touch buttons that can only switch between basic ventilation modes and settings.

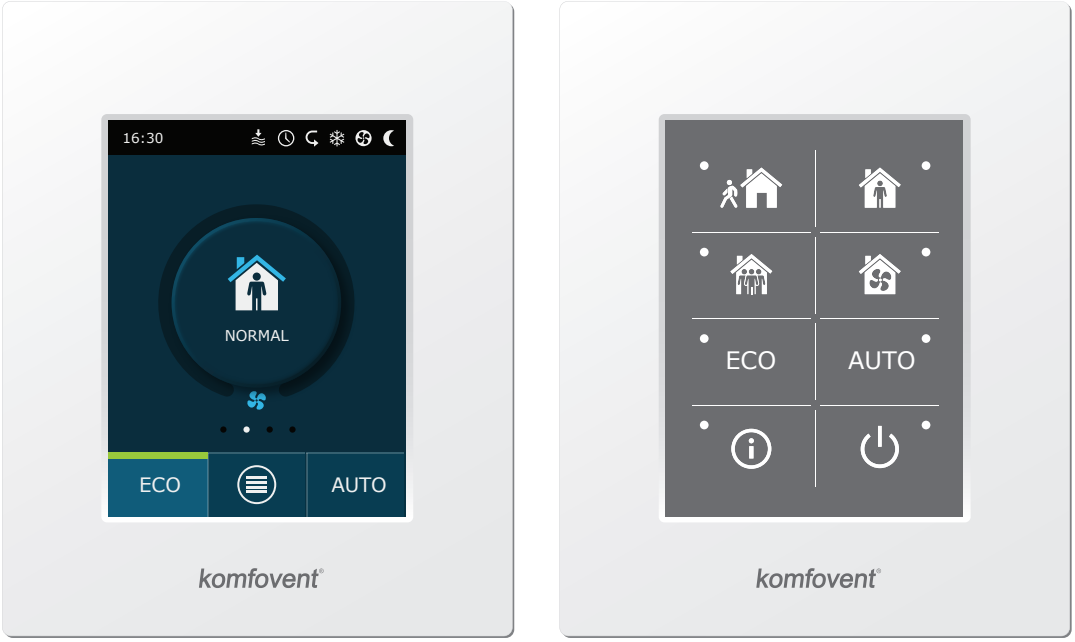


Fig. 19. Control panels C6.1 and C6.2

By default, the following standard ventilation modes are preprogrammed in the unit:

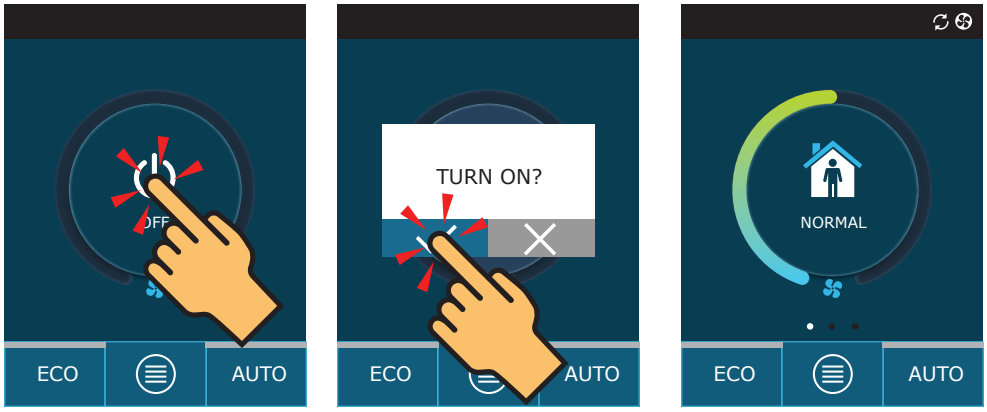
	AWAY	NORMAL	INTENSIVE	BOOST
Ventilation intensity	20%	50%	70%	100%
Set temperature	20°C	20°C	20°C	20°C

[1] Depends on your order.

5.1. Control panel C6.1

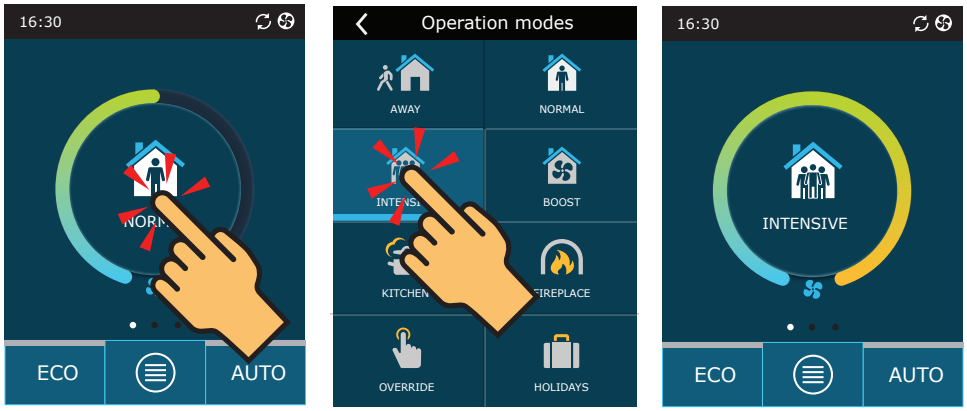
If the unit is connected to the mains, you will see a home screen or a screen saver on the control panel. Touching screen saver on the panel display will return it to the home screen.

To turn on the air handling unit:

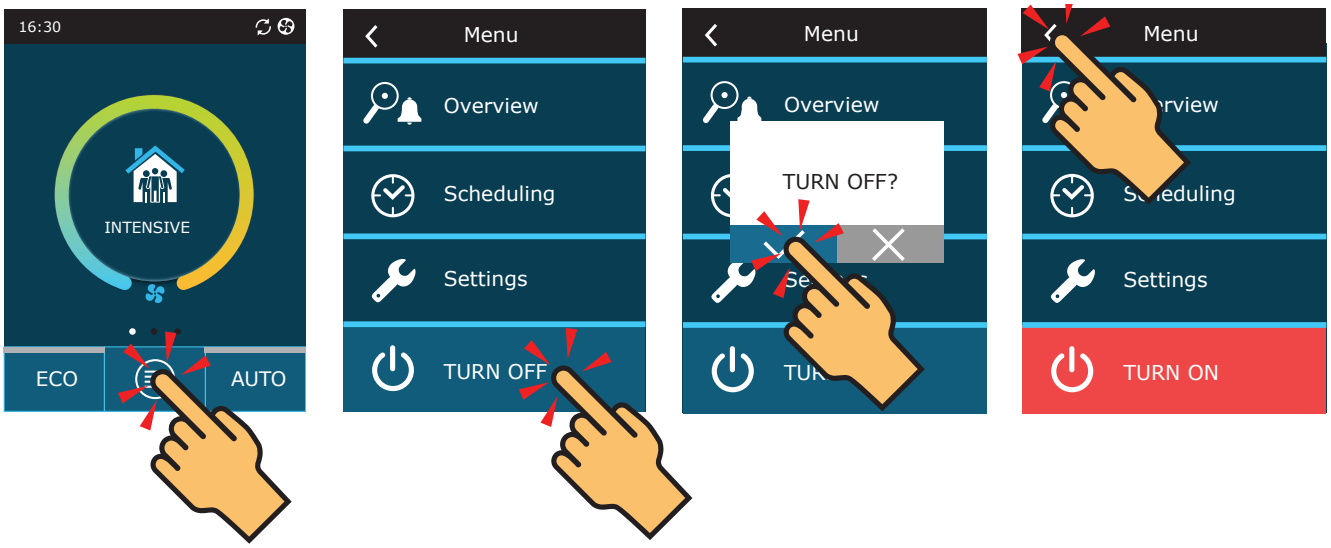


During the first minute after start-up, the automation of the unit will evaluate the unit settings, check the automation components and open the air dampers (if the duct system is equipped with air dampers with actuators). Afterwards a signal to the fans will be given and the unit will start operating in the last used ventilation mode.

To change the ventilation mode:



To turn off the air handling unit and return to the home screen:



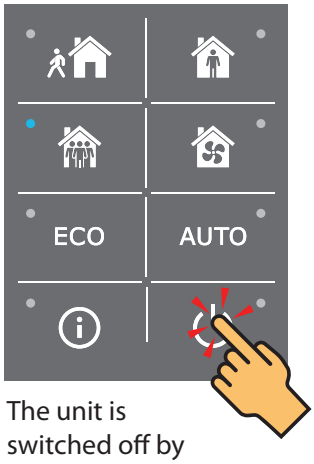
5.2. Control panel C6.2

If the unit is connected to the mains and is currently stopped, a red indicator next to the power button will light up.

To turn ON/OFF the AHU or select the operating mode:

Press the desired operating mode button.

The blue indicator light will be on next to the active mode.



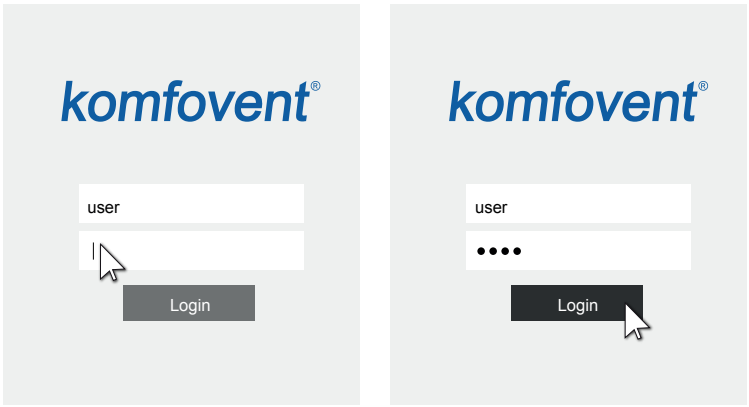
The unit is switched off by pressing the On/Off button.

When the unit stops, the red indicator light will be lit next to the On/Off button.

5.3. Start-up of the unit using a computer

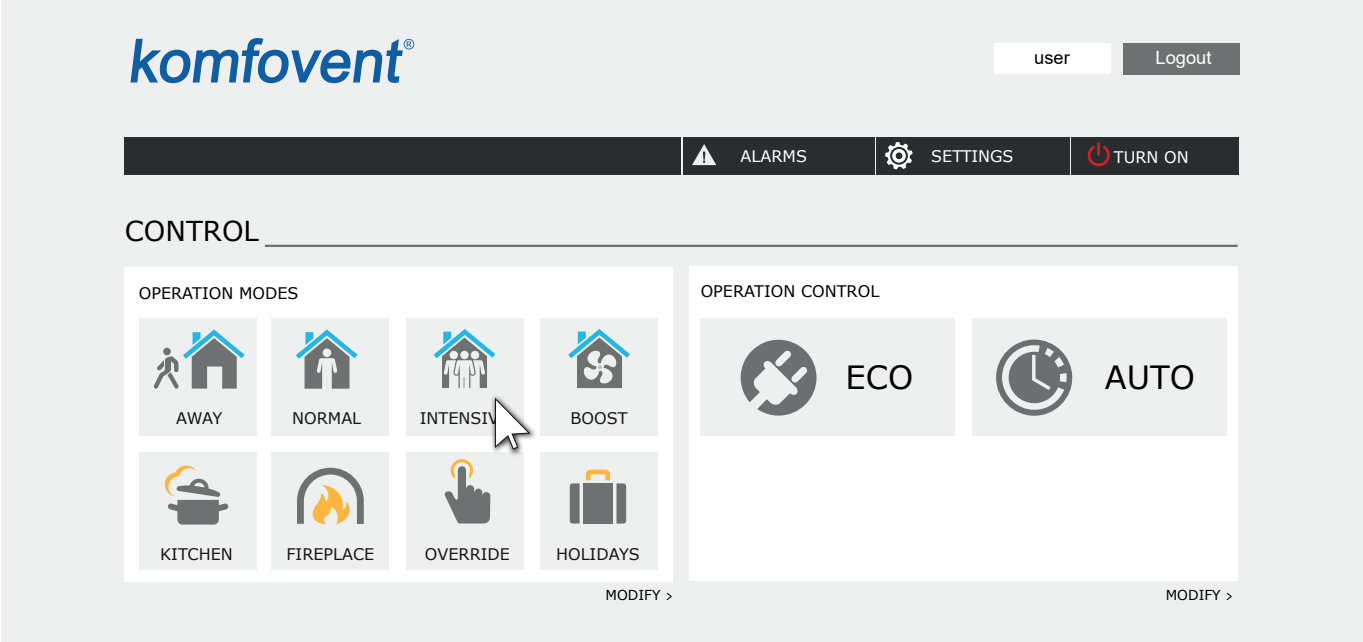
If the unit was ordered without a control panel, it can be started by using a computer. The unit is controlled by a computer using a web browser. Connect the computer directly to the air handling unit or to the computer network to which the air handling unit is connected as described in section 4.4. Disable the use of all proxy servers that may block the connection to your unit in Internet browser settings. Enter the IP address of the unit in your web browser:

Log in to the C8 controller user interface: enter the user name ***user***, password ***user***[1] and press the "Login" button.

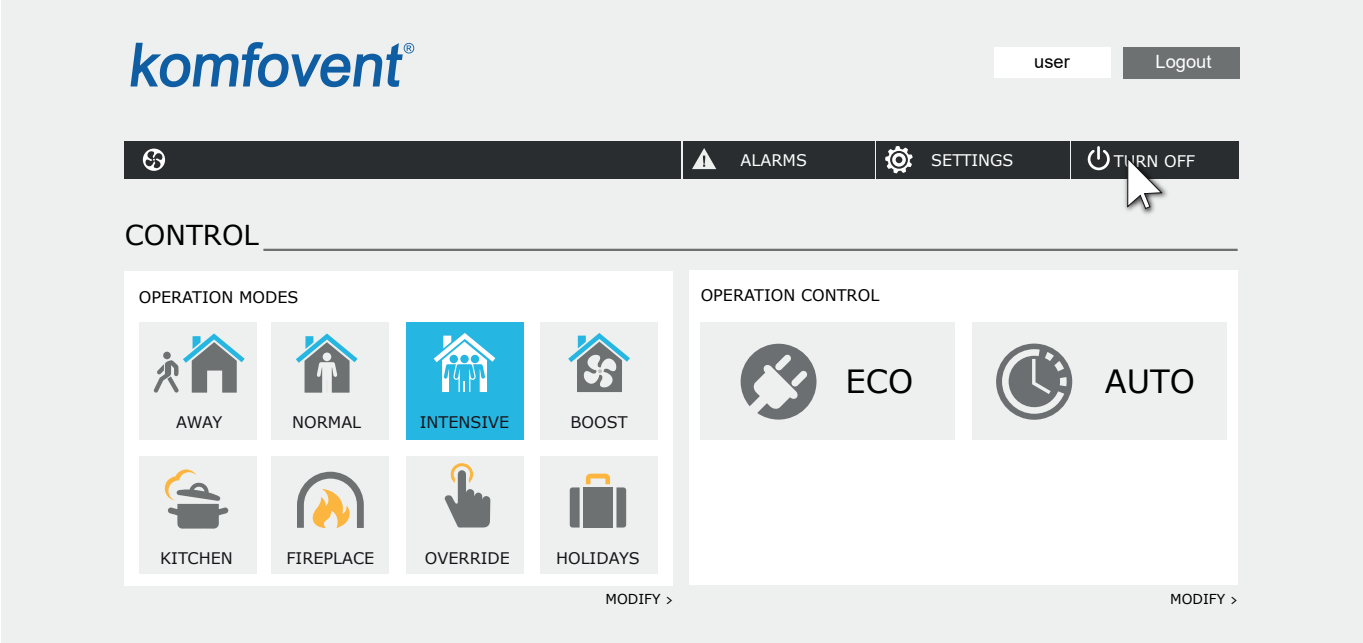


[1] Should you forget a changed password, it can be reset to the initial "user". To do this, you must restore the factory settings for the air handling unit using control panel.

To start the unit, press the required ventilation mode button:



You can stop the unit by pressing the “OFF” button:



5.4. Quick check

When you start your unit for the first time, check whether:

Task	Yes	No	Notes
The control panel operates responds to touches, and there are no error messages			
The air dampers opens fully			
There are no extraneous sounds and vibrations			
Changing the ventilation modes changes the fan speed			
The unit is airtight without gaps or air leakage			
Heating/cooling devices operates correctly			
External devices connected operates correctly			
The condensate easily flows from the unit and the drainage piping is watertight			

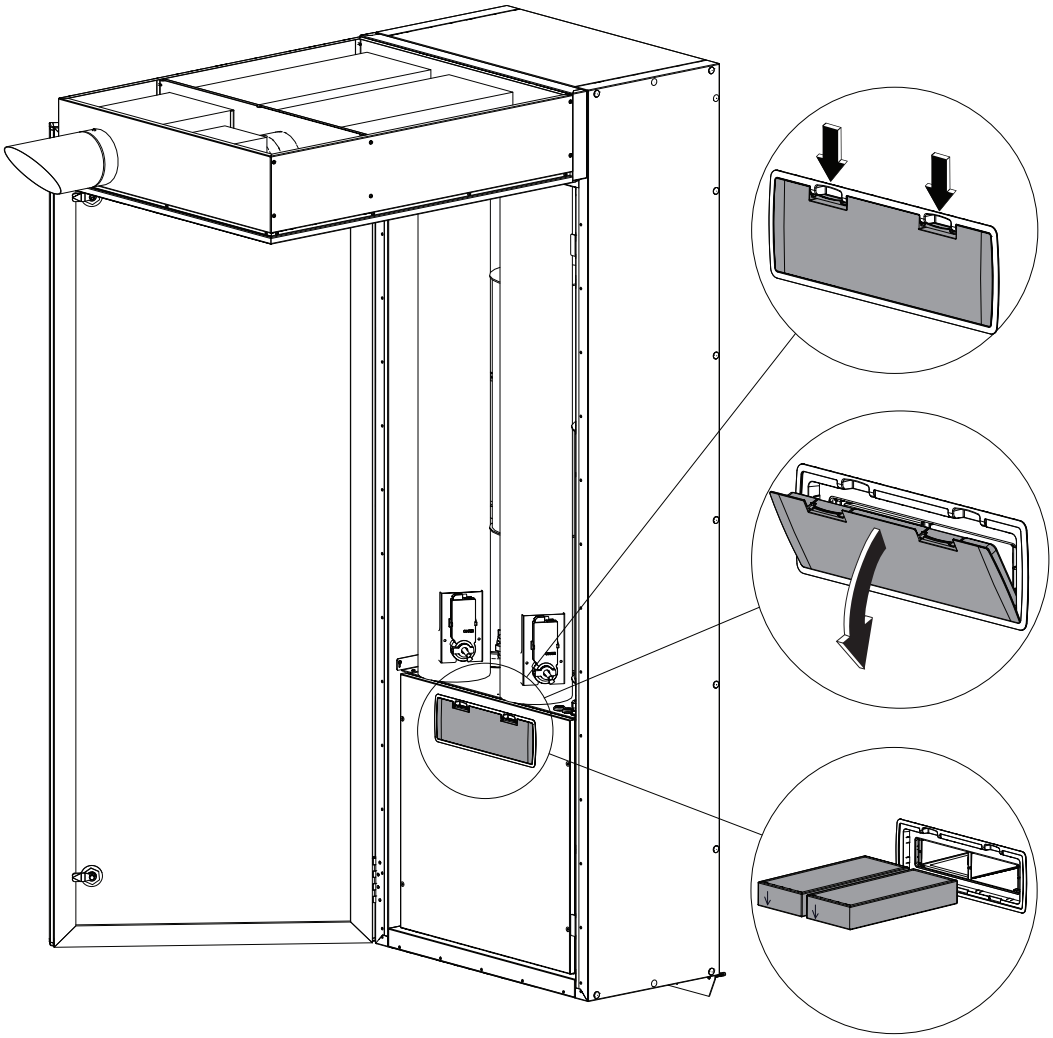
Other notes:

Unit installed by	
Company	
Phone	
Date	
Signature	

6. FILTER INSPECTION AND REPLACEMENT

Check if filters are not damaged, torn or dampened. Filter replacement time depends on environmental contamination, season of the year, for example, during spring and summer filters may be contaminated with pollen, fluff or insects, therefore change intervals are shorter. Replace filters if they are visibly dirty even though it is not time yet. When replacing filters earlier, be sure to perform a clean filter calibration as described in Domekt user manual. When filters are replaced upon a filter replacement message, calibration is not required. Contaminated filters increase pressure loss of the unit, reduce purification efficiency and increase power consumption.

Domekt R 200 VSO



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