



AIR HANDLING UNIT



KOMFORT EC S200
KOMFORT EC S200-E
KOMFORT EC SB200
KOMFORT EC SB200-E
KOMFORT EC S250
KOMFORT EC S250-E
KOMFORT EC SB250
KOMFORT EC SB250-E

EN

USER'S MANUAL



BLAUBERG
Ventilatoren

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This user’s manual is a main operating document intended for technical, maintenance, and operating staff. The manual contains information about purpose, technical details, operating principle, design, and installation of the KOMFORT EC S(B)200(250)(-E) unit and all its modifications. Technical and maintenance staff must have theoretical and practical training in the field of ventilation systems and should be able to work in accordance with workplace safety rules as well as construction norms and standards applicable in the territory of the country. The information in this user’s manual is correct at the time of the document’s preparation. The Company reserves the right to modify the technical characteristics, design, or configuration of its products at any time in order to incorporate the latest technological developments. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means in any information search system or translated into any language in any form without the prior written permission of the Company.

SAFETY REQUIREMENTS

- Please read the user’s manual carefully prior to installing and operating the unit.
- All user’s manual requirements as well as the provisions of all the applicable local and national construction, electrical, and technical norms and standards must be observed when installing and operating the unit.
- The warnings contained in the user’s manual must be considered most seriously since they contain vital personal safety information.
- Failure to follow the rules and safety precautions noted in this user’s manual may result in an injury or unit damage.
- After a careful reading of the manual, keep it for the entire service life of the unit.
- While transferring the unit control, the user’s manual must be turned over to the receiving operator.

UNIT INSTALLATION AND OPERATION SAFETY PRECAUTIONS



- Disconnect the unit from power mains prior to any installation operations.



- Unpack the unit with care.



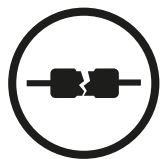
- The unit must be grounded!



- While installing the unit, follow the safety regulations specific to the use of electric tools.



- Do not change the power cable length at your own discretion. Do not bend the power cable. Avoid damaging the power cable. Do not put any foreign objects on the power cable.



- Do not use damaged equipment or cables when connecting the unit to power mains.



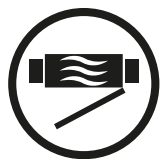
- Do not touch the unit controls with wet hands. Do not carry out the installation and maintenance operations with wet hands.



- Do not allow children to operate the unit.



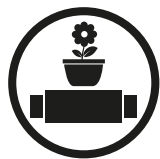
- Do not store any explosive or highly flammable substances in close proximity to the unit.



- Do not open the unit during operation.



- Do not block the air duct when the unit is switched on.



- Do not sit on the unit and avoid placing foreign objects on it.



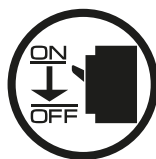
- Do not lay the power cable of the unit in close proximity to heating equipment.



- Do not operate the unit outside the temperature range stated in the user's manual. Do not operate the unit in aggressive or explosive environments.



- Do not wash the unit with water. Protect the electric parts of the unit against ingress of water.



- Disconnect the unit from power mains prior to any technical maintenance.



- When the unit generates unusual sounds, odour, or emits smoke, disconnect it from power supply and contact the Seller.



- Do not direct the air flow produced by the unit towards open flame or ignition sources.



- In case of continuous operation of the unit, periodically check the security of mounting.



- Use the unit only for its intended purpose.




**THE PRODUCT MUST BE DISPOSED SEPARATELY AT THE END OF ITS SERVICE LIFE.
DO NOT DISPOSE THE UNIT AS UNSORTED MUNICIPAL WASTE.**

PURPOSE

The unit is designed to ensure continuous mechanical air exchange in houses, offices, hotels, cafés, conference halls, and other utility and public spaces as well as to recover the heat energy contained in the air extracted from the premises to warm up the filtered stream of supply air.

The unit is not intended for organizing ventilation in swimming pools, saunas, greenhouses, summer gardens, and other spaces with high humidity.



THE UNIT SHOULD NOT BE OPERATED BY CHILDREN OR PERSONS WITH REDUCED PHYSICAL, MENTAL, OR SENSORY CAPACITIES, OR THOSE WITHOUT THE APPROPRIATE TRAINING.

THE UNIT MUST BE INSTALLED AND CONNECTED ONLY BY PROPERLY QUALIFIED PERSONNEL AFTER THE APPROPRIATE BRIEFING.

THE CHOICE OF UNIT INSTALLATION LOCATION MUST PREVENT UNAUTHORIZED ACCESS BY UNATTENDED CHILDREN.

Due to the ability to save heating energy by means of energy recovery, the unit is an important element of energy-efficient premises. The unit is a component part and is not designed for stand-alone operation. It is rated for continuous operation.

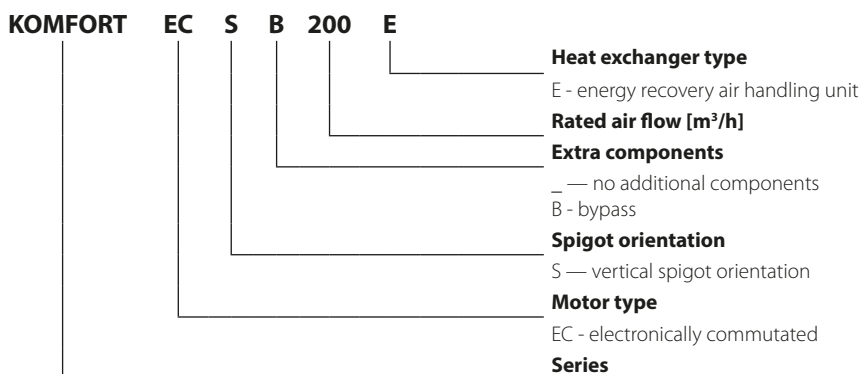
Transported air must not contain any flammable or explosive mixtures, evaporation of chemicals, sticky substances, fibrous materials, coarse dust, soot and oil particles or environments favourable for the formation of hazardous substances (toxic substances, dust, pathogenic germs).

Relative humidity of transported air must not exceed 80 % at an ambient temperature of +20 °C..

DELIVERY SET

NAME	NUMBER
Air handling unit	1 pc.
User's manual	1 pc.
Control panel user's manual	1 pc.
Control panel	1 pc.
Installation kit	1 pc.
Packing box	1 pc.

DESIGNATION KEY



TECHNICAL DATA

The unit is designed for indoor application with the ambient temperature ranging from +1 °C up to +40 °C and relative humidity up to 80 %.

In order to prevent condensation on the internal walls of the units, it is necessary that the surface temperature of the casing is 2-3 °C higher than the dew point temperature of the transported air.

The unit is rated as a Class I electrical appliance.

Hazardous parts access and water ingress protection rating:

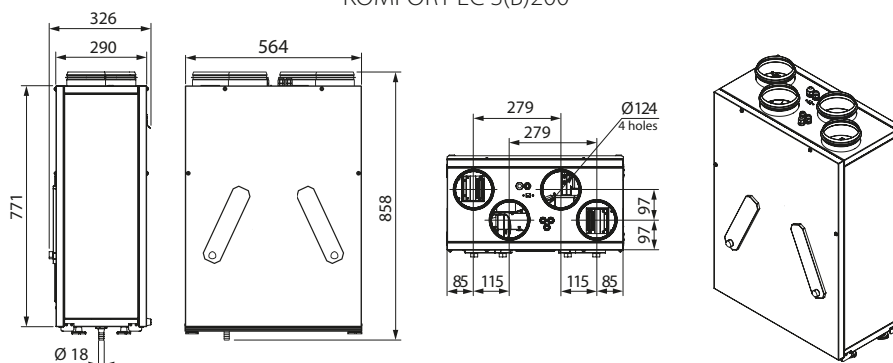
- IP22 for the unit connected to the air ducts
- IP44 for the unit motors

The unit design is constantly being improved, thus some models may be slightly different from those described in this manual.

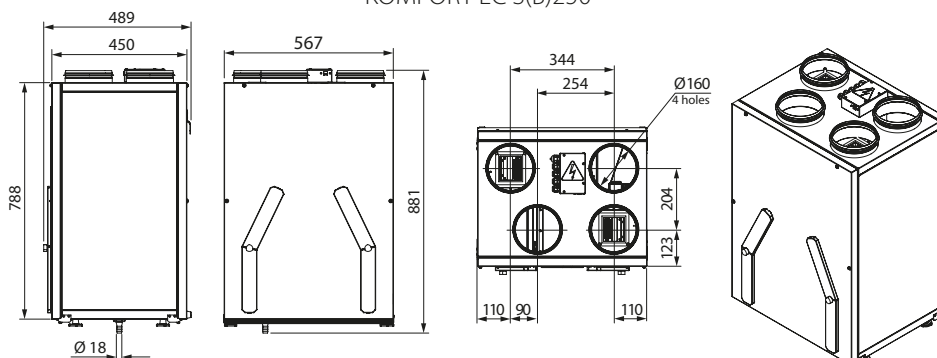
MODEL	KOMFORT EC S200	KOMFORT EC S200-E	KOMFORT EC SB200	KOMFORT EC SB200-E	KOMFORT EC S250	KOMFORT EC S250-E	KOMFORT EC SB250	KOMFORT EC SB250-E
Supply voltage, 50 (60) Hz [V]	1~ 230							
Max. power consumption [W]	112				115			
Current consumption [A]	0,9				0,9			
Air capacity [m³/h]	250				290			
Noise level, 3 m [dB(A)]	24				25			
Transported air temperature [°C]	from -25 up to +60		from -25 up to +60		from -25 up to +60		from -25 up to +60	
Casing material	polymer coated steel		polymer coated steel		polymer coated steel		polymer coated steel	
Insulation	25 mm, mineral wool		25 mm, mineral wool		30 mm, mineral wool		30 mm, mineral wool	
Extract filter	G3		G3		G4		G4	
Supply filter	G3		G3		G4, F7		G4, F7	
Connected air duct diameter [mm]	Ø125		Ø125		Ø160		Ø160	
Weight [kg]	45		45		51		51	
Heat recovery efficiency [%]	83-98	74-94	83-98	74-94	85-94	77-90	85-94	77-90
Heat exchanger type	counter-flow		counter-flow		counter-flow		counter-flow	
Heat exchanger material	polystyrene	enthalpy membrane*	polystyrene	enthalpy membrane*	polystyrene	enthalpy membrane*	polystyrene	enthalpy membrane*
Energy efficiency class	A+	A	A+	A	A+	A+	A+	A+

* — The units are equipped with an enthalpy heat exchanger and do not require condensate drainage.

KOMFORT EC S(B)200

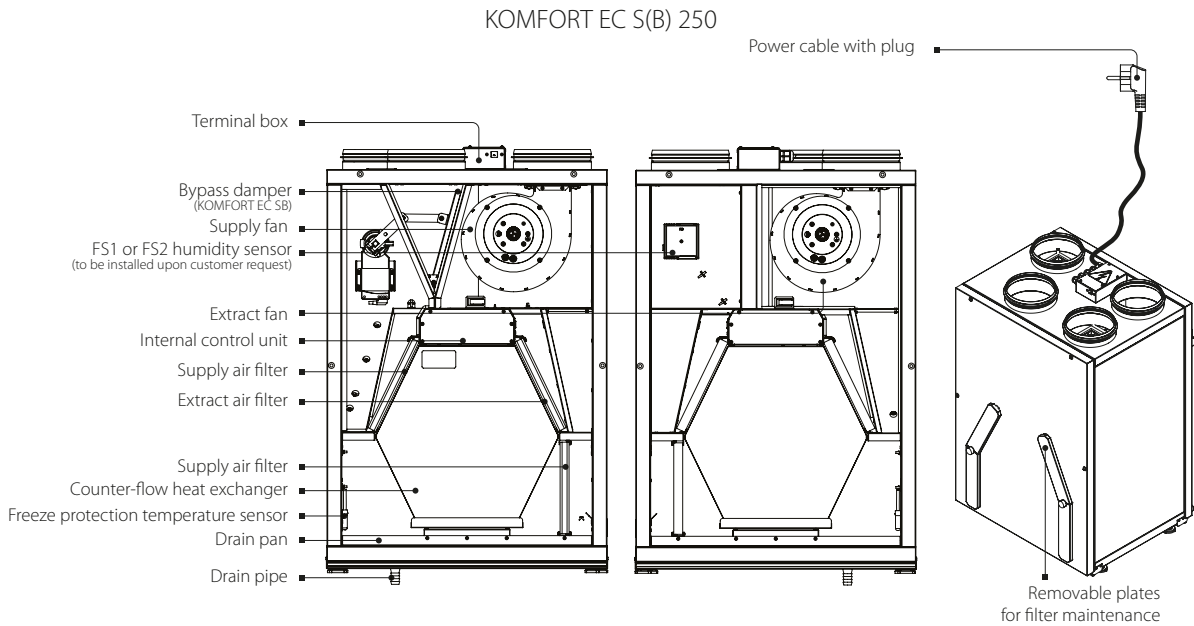
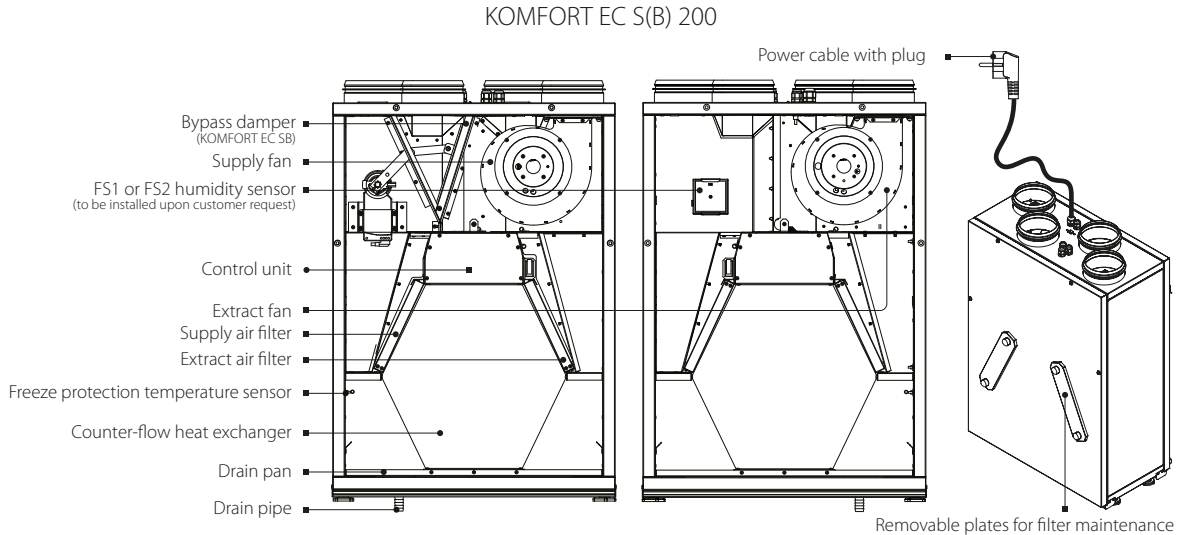


KOMFORT EC S(B)250



DESIGN AND OPERATING PRINCIPLE

The unit has the following operating principle: Warm stale extract air from the room flows into the unit, where it is filtered by the extract filter, then air flows through the heat exchanger and is exhausted outside by the extract fan. Cold fresh air from the outside flows into the unit, where it is cleaned by the supply filter. Then the air flows through the heat exchanger and is directed to the room with the supply fan. Heat energy of warm extract air is transferred to clean intake fresh air from the outside and warms it up. The air flows are fully separated while flowing through the heat exchanger. Heat recovery minimizes heat losses, which reduces the cost of space heating in the cold season.



HUMIDITY-CONTROLLED OPERATION OF THE UNIT

If the humidity sensor detects the indoor humidity above the set point, the unit automatically switches to the extract mode.

UNIT OPERATION MODES

Some modifications of the unit are equipped with a bypass duct and bypass air damper. The electrically actuated bypass air damper opens or closes the bypass duct, depending on a selected operation mode. The air flowing through the bypass duct does not come in contact with the heat exchanger. When the bypass damper is closed, the intake air flows through the heat exchanger.

Heat recovery mode

Warm extract air from the room flows into the unit and is cleaned in the extract filter. Then the air is moved through the heat exchanger and is exhausted outside with the extract fan.

Cold fresh air from outside flows into the unit, where it is cleaned in the supply filter. Then the air flows through the heat exchanger and is moved to

the room with the supply fan.

Supply air is heated in the heat exchanger by transferring the heat energy of warm and humid extract air to the cold fresh air. The air flows are fully separated while flowing through the heat exchanger. Heat recovery minimizes heat losses, which reduces the cost of space heating in the cold season.

Freeze protection mode

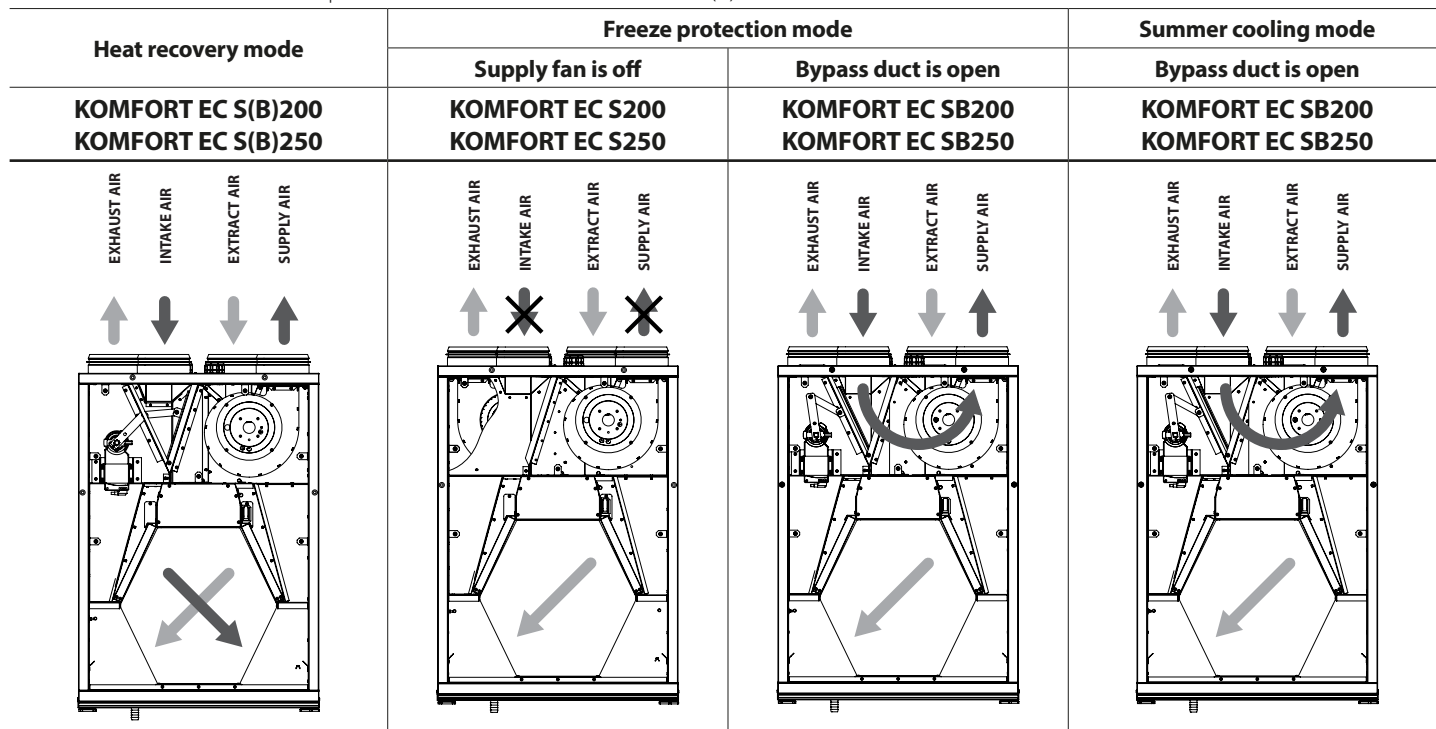
Defrosting mode is actuated on feedback from the freeze protection temperature sensor to enable the heat exchanger freeze protection in the cold season. The freeze protection temperature sensor is located in the exhaust air duct. The freeze protection operation mode is activated when the exhaust air temperature falls down to +3 °C. The unit reverts to the previous operation mode after increase of the exhaust temperature.

Summer cooling mode

The extract air flows through the bypass duct and does not come in contact with the heat exchanger. The bypass duct is opened with a bypass damper. The temperature of the air is not changed after passing through the heat exchanger.

AIR FLOW DIRECTION

The air flow direction for various operation modes of the KOMFORT EC S(B)200 unit is shown below



INSTALLATION AND SET-UP



READ THE USER'S MANUAL BEFORE INSTALLING THE UNIT.

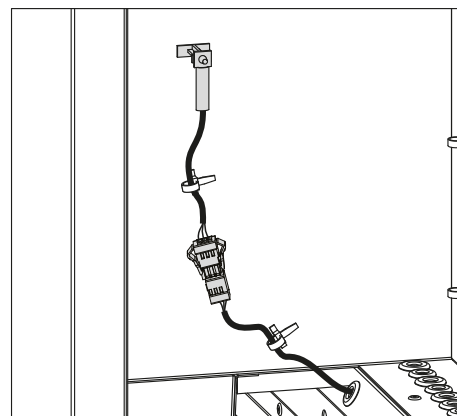
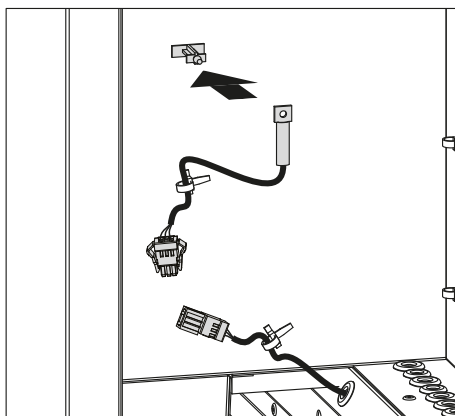
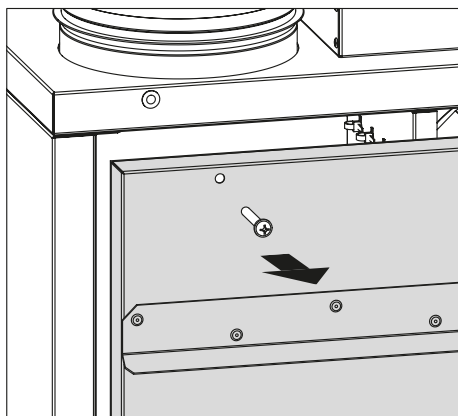
HUMIDITY SENSOR MOUNTING IN THE EXTRACT AIR DUCT

ATTENTION!

The humidity sensor must be installed in the air duct prior to the unit mounting.

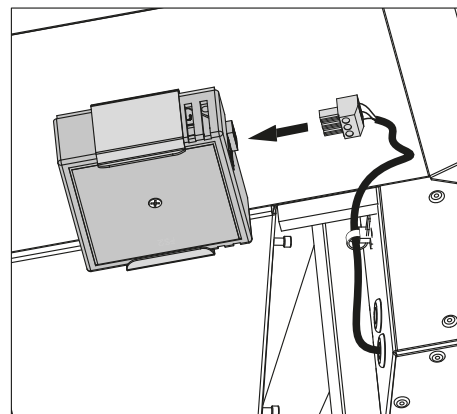
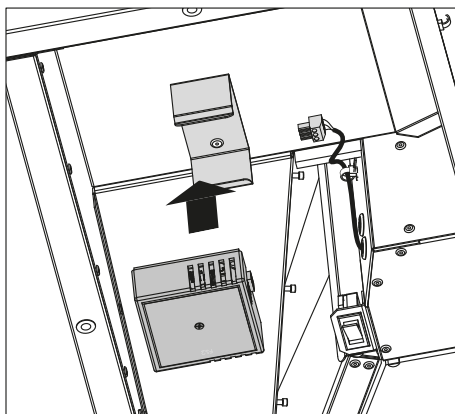
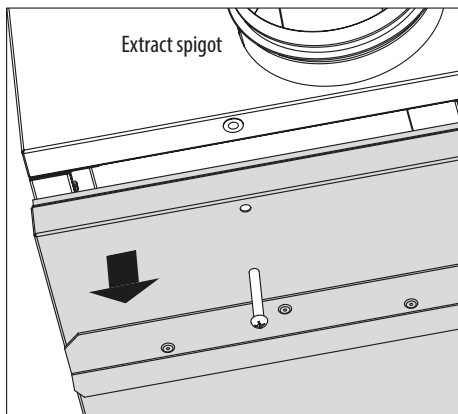
Mounting steps for the FS1 humidity sensor:

- Remove the screws that retain the panel on side of the extract spigot and remove it.
- Insert the humidity sensor on the mount.
- Connect the humidity sensor contact socket to the contact socket with a cable from the control unit. The contact socket is pre-wired.



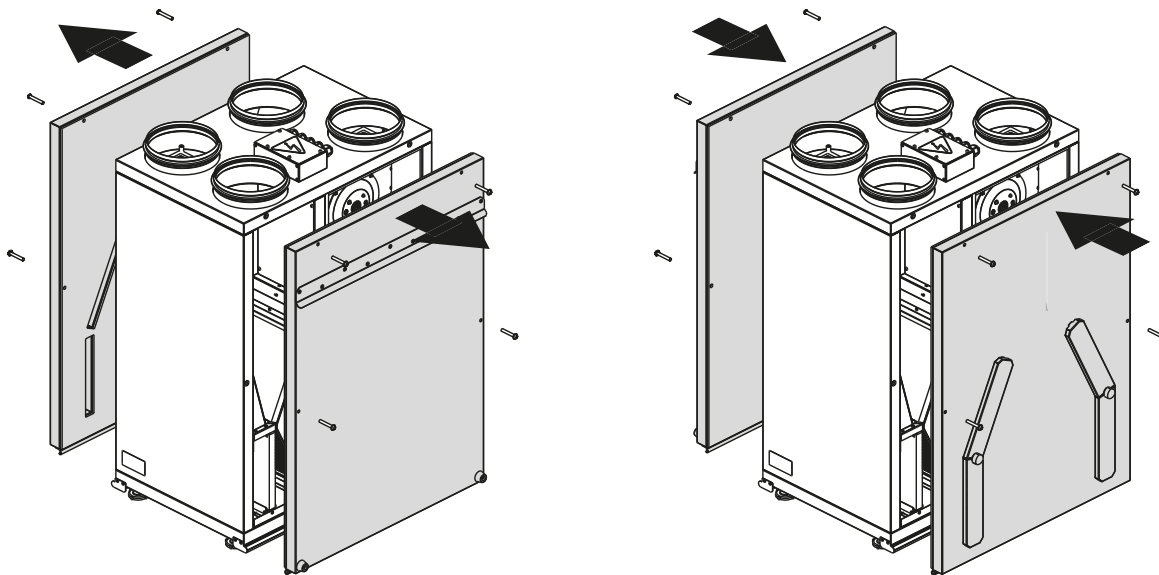
Mounting steps for the FS2 humidity sensor:

- Remove the screws that retain the panel on side of the extract spigot and remove it.
- Insert the humidity sensor on the mount.
- Connect the humidity sensor contact socket to the contact socket with a cable from the control unit. The contact socket is pre-wired.



SERVICE SIDE CHANGE

- Unscrew the front panel on the service side and the back panel.
- Remove the panels and change their positions. Attach the panels with screws to the casing.



Note: the service panel change is shown for KOMFORT EC S(B)250.

UNIT MOUNTING

To attain the best performance of the unit and to minimise turbulence-induced air pressure losses while mounting connect a straight air duct section on both sides of the unit.

Minimum straight air duct length:

- equal to 1 air duct diameter on the intake side.
- equal to 3 air duct diameters on the outlet side.

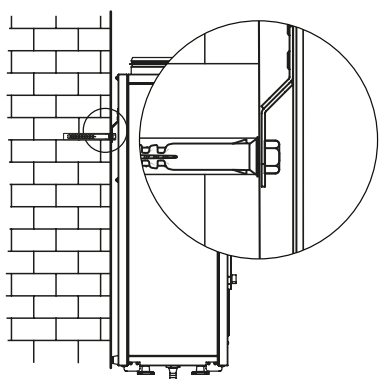
If the air ducts are not connected or the connected air ducts are too short, protect the unit parts from ingress of foreign objects by covering the spigots with a protecting grille or other protecting device with mesh width not more than 12.5 mm to prevent uncontrollable access to the fans.

While installing the unit ensure convenient access for subsequent maintenance and repair. The unit must be mounted on an even wall. Mounting the unit to an uneven surface can lead to the unit casing distortion and operation disturbance.

Unit wall mounting

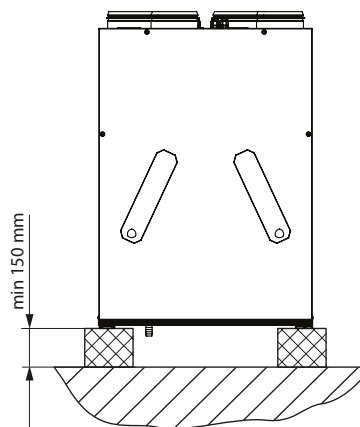
Fasteners for wall-mounting are not included into delivery set and need to be ordered separately. While selecting appropriate fasteners consider the material of the mounting surface as well as the weigh of the unit, refer technical data. For selection of the fasteners for unit mounting please refer to service technicians.

Fix the wall mounting bracket at a required height and fix the unit on the hook.



Unit floor mounting

Install the unit on the pre-set floor supports, minimum 150 mm height, to ensure sufficient access for the drain pipe connection to the U-trap and for condensate drain system mounting.



Note: the mounting is shown for KOMFORT EC S(B)250.

MOUNTING AND WIRING OF THE HEATERS TO THE UNIT WITH THE S11 AND S19 CONTROL PANELS

EVH and ENH electric heaters are not included in the delivery set of the air handling unit and are available as specially ordered accessory. The heaters are rated for connection to 230 V/50 (60) Hz power supply.

EVH and ENH heaters may be connected to the unit both as a single unit each or jointly.

Prior to connecting the heater to the air handling unit remove the pre-installed plugs from the internal socket connectors.

WARNING!

- Do not remove the plugs before the heaters are connected to the air handling unit.
- Make sure to cover the socket connector with the plugs after dismantling of the connecting cable.
- If only one heater is connected, do not remove the plugs from the other socket connector that is not in use.
- If the socket connectors are not covered with plugs for any reasons, the ventilation unit does not start during connection to power supply and the control panel displays DI1 and DI3 errors for EVH and DI1, DI3 and TE5 errors for ENH. Turn the unit off and cover the socket connectors with the plugs to troubleshoot the errors.

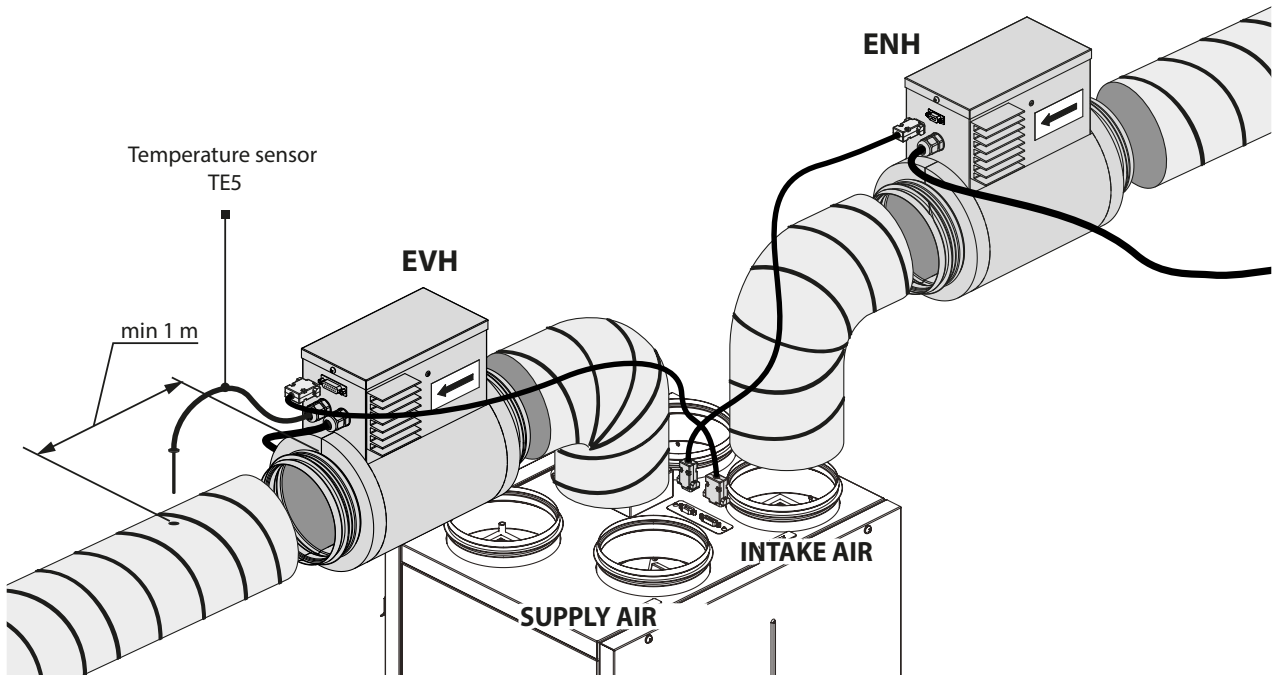
Attach the EVH heater to the air duct connected to the intake air spigot.

The electric heater is connected to the unit via a connecting cable with DB-9F socket connectors connected to the external socket connectors DB-9F on the unit and the heater.

Attach the ENH heater to the air duct connected to the supply air spigot.

Install the air temperature sensor TE5 in the supply air duct. Keep the minimum distance between the heater and the sensor 1 m.

Connect the electric heater to the unit via a connecting cable with DB-15M socket connectors inserted to the DB-15F external socket connectors on the unit and the heater.



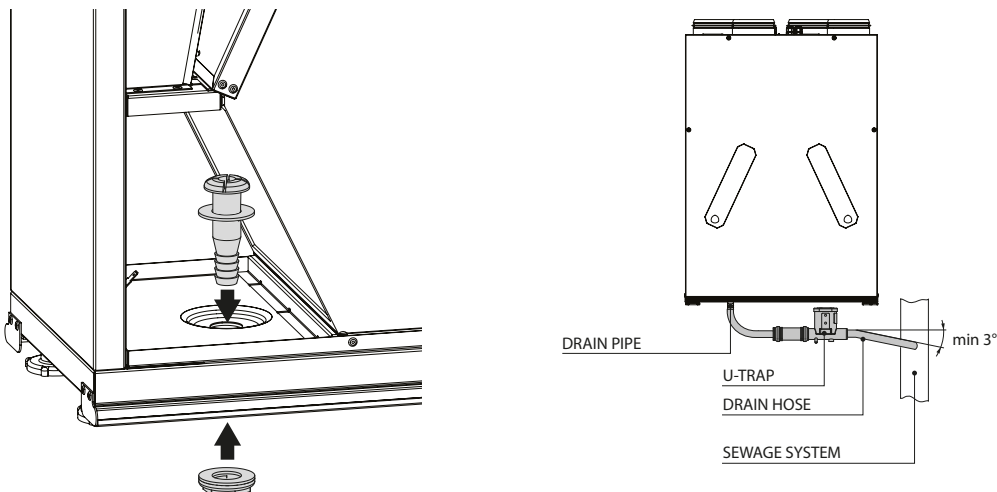
CONDENSATE DRAINAGE

The KOMFORT EC S(B)250 units with heat recovery require condensate drainage.

The hole for the drain pipe is located at the bottom of the unit.

Remove the plug from the hole, open the service panel and install the drain pipe from the delivery set into the hole, then connect the drain pipe to the sewage system using the SFK 20x32 U-trap kit (available upon separate order).

While laying the hoses provide the slope downwards min 3°.



Note: installation of the drain pipe is shown for KOMFORT EC S(B)200.

CONNECTION TO POWER MAINS



**DISCONNECT THE UNIT FROM POWER MAINS PRIOR TO ANY OPERATIONS.
THE UNIT MUST BE CONNECTED TO POWER SUPPLY BY A QUALIFIED ELECTRICIAN.
THE RATED ELECTRICAL PARAMETERS OF THE UNIT ARE GIVEN ON THE
MANUFACTURER'S LABEL.**



**ANY TAMPERING WITH THE INTERNAL CONNECTIONS IS PROHIBITED
AND WILL VOID THE WARRANTY.**

- The unit is rated for connection to single-phase ac 230 V/ 50(60) Hz power mains.
- The house cabling must have an integrated automatic circuit breaker (not included in the delivery set). The external circuit breaker position must ensure unhampered access for emergency shutdown of the unit. The recommended trip current of the circuit breaker is 2 A.
- Connect the unit to power mains using the pre-wired power cable with a plug.

ATTENTION!

Connect the heater(s) to power supply prior to connecting the unit to power supply.

Connection of the heater(s) to power supply (for the units with the S11 or S19 control panel only)

The unit with the S11 or S19 control panels has option for connection of a heater or heaters. If the unit is connected to power supply before connection of the heater(s) the control panel displays the following errors:

- for EVH: DI1 and DI3
- for ENH: DI1, DI3 and TE5

To troubleshoot the errors turn the unit off and restart it with the activated heater(s).

Connection of extra external devices

The unit has an option of additional external controls connection. Additional connected devices are not included in the delivery set and are available as specially ordered accessories. Extra connections to the unit are shown in dotted lines in the External wiring diagram. For connection of external controls use insulated durable heat-resistant cables and wires. The required cable parameters are indicated in the table.

Designations	Description	Cable type	Maximum cable length	Note
CCU*	DX cooler	2x0.75 mm ²	20 m	no
SM1*	Supply air damper actuator	2x0.75 mm ²	20 m	LF 230
SM2*	Exhaust air damper actuator	2x0.75 mm ²	20 m	LF 230
PK*	Contact for fire alarm panel	2x0.75 mm ²	20 m	no
KH*	Contact for kitchen hood	2x0.5 mm ²	20 m	no
P1	Control panel	4x0.25 mm ²	10 m	
TE1	Outer temperature sensor (inside the unit)			

* Not included in the delivery set

Connection of the automatic fire extinguishing system contact PK (nc, c)

While connecting the contact of the fire extinguishing system for **the unit with S14 control panel** remove the jumper between the RK terminals. The connection relies on a normally closed dry contact. In case of a signal from a the central fire-fighting board the contact opens the control circuit and cuts off power supply to the unit.

The connection (no, c) of **the units with the S11 and S19 control panels** relies on a normally open dry contact. In case of a signal from the central fire-fighting board the contact closes the control circuit and cuts off power supply to the unit.

Connection of the external control device such as CO₂ sensor (no, c).

Connect the CO₂ sensor to the terminals NO and C. The connection relies on a normally open dry contact. As the contact is closed, the unit turns to the maximum speed.

Connection of the humidity sensor FS1 or FS2 (+U, 0-10V, Gnd).

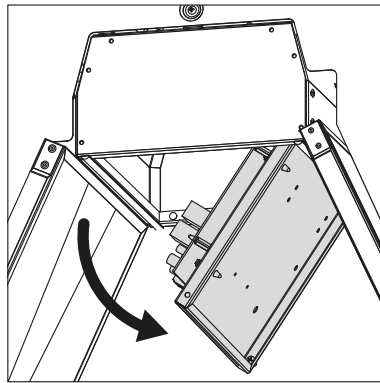
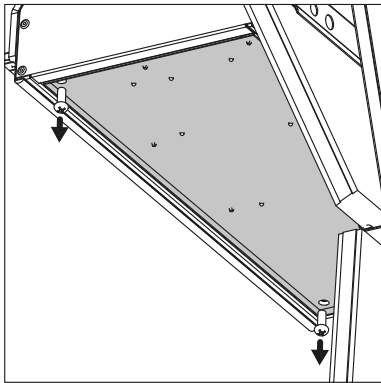
Connect the socket of the humidity sensor and the socket of the cable (pre-wired) from the control unit. The sensor is not included in the delivery set and is available as a specially ordered accessory.

Connection of the external supply air damper SM1 (L, N) and exhaust air damper SM2 (L, N).

The air dampers and the electric actuator are not included in the delivery set and are available as specially ordered accessories. For connection of the air dampers use an electric actuator of LF 230 BELIMO type rated for 230 V power voltage and on/off control logic.

Connection of the kitchen hood DAH 251-13 (no, c)

The unit with S19 control panel enables connection of the kitchen hood. As the kitchen hood is activated, the dry contact is closed and the unit turns to the maximum speed.

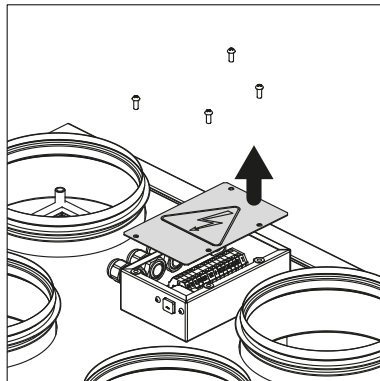


Access to the control unit

- Unscrew the front panel on the service side and remove it.
- Remove the heat exchanger.
- Remove the screws that retain the electric connection plate and push it downwards.

For KOMFORT EC S(B)200 models both terminal blocks X1 and X2 are located on the electric connection plate of the internal control unit.

For KOMFORT EC S(B)250 models the terminal block X1 is located on the electric connection plate.

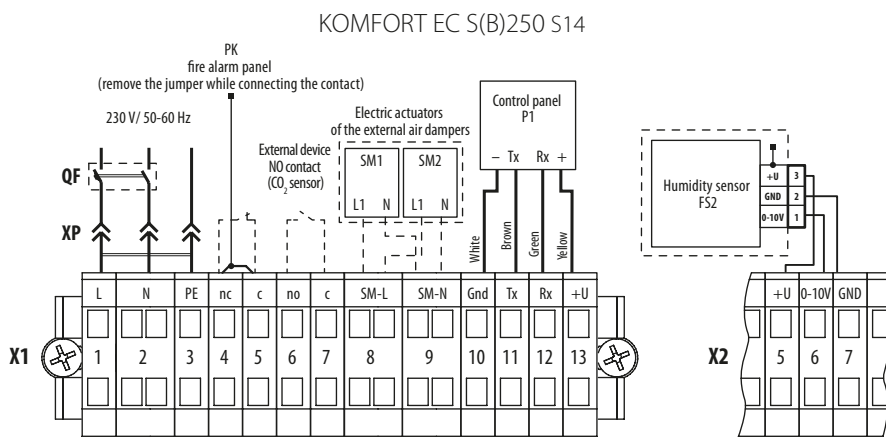
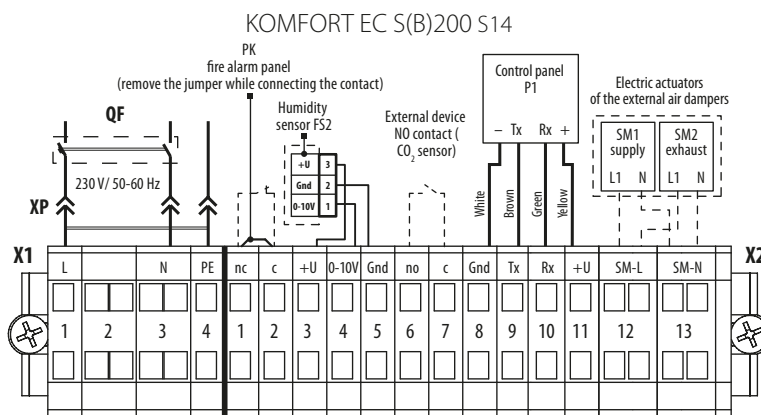


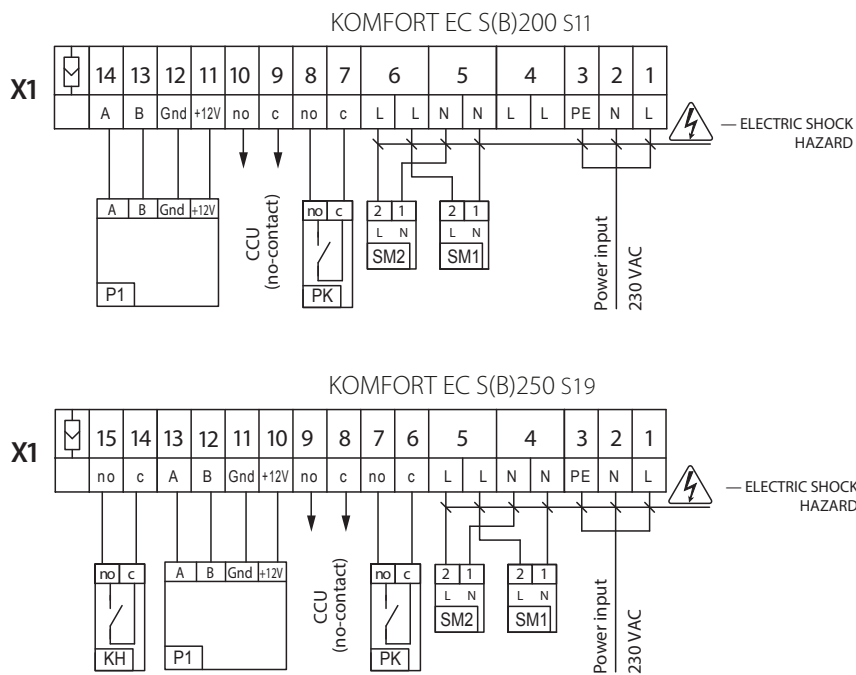
Access to the terminal box

(only for KOMFORT EC S(B)250)

- The terminal block X2 is located in the external terminal box on the unit casing.
- To access the terminal block X2 remove the screws on the terminal box and remove the lid.

EXTERNAL WIRING DIAGRAM

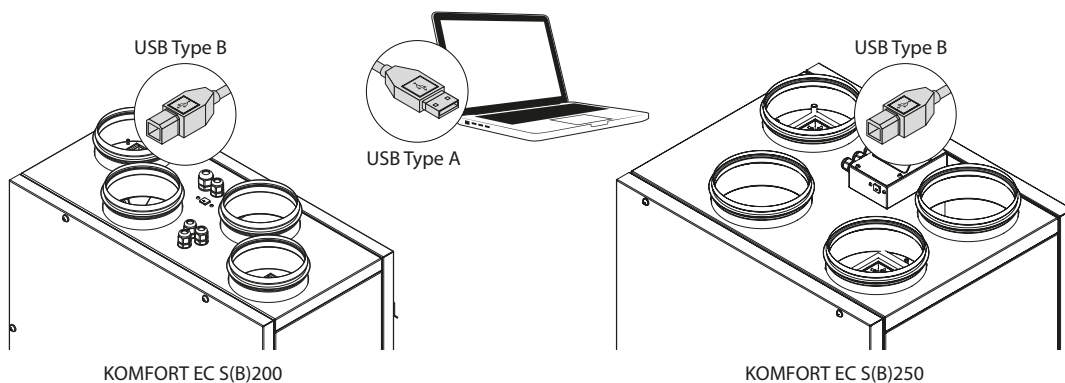




UNIT CONTROL

OPERATING THE UNIT WITH THE S14 CONTROL PANEL VIA SOFTWARE

To enable operation of the unit using the pre-installed software connection the unit to a laptop or PC via a USB cable with Type A and Type B connectors. The USB cable is not included in the scope of delivery.



TECHNICAL MAINTENANCE



DISCONNECT THE UNIT FROM POWER SUPPLY BEFORE ANY MAINTENANCE OPERATIONS!

The unit must undergo technical maintenance 3 to 4 times a year. Maintenance includes general cleaning of the unit and the following operations:

1. Filter maintenance (3–4 times per year).

Clogged filters increase air resistance in the system and reduce supply air volume. The filters require cleaning not less than 3–4 times per year.

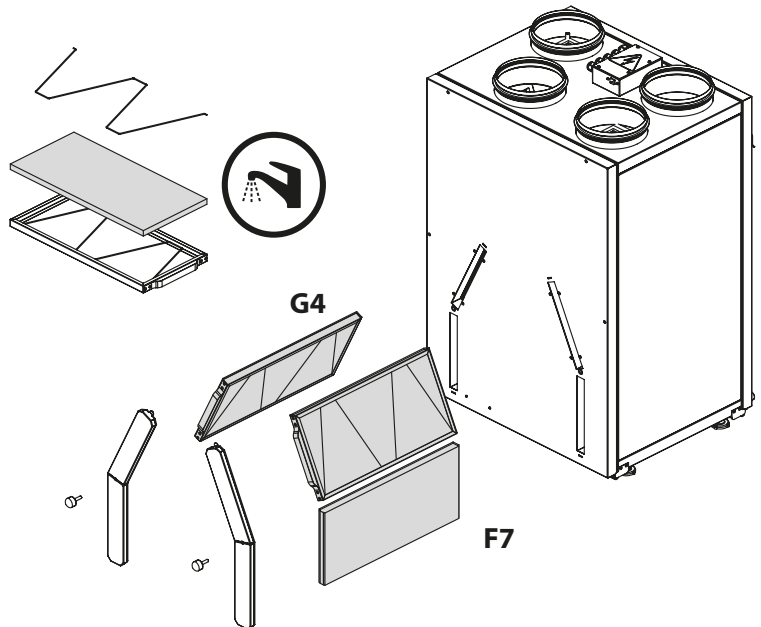
Cleaning of F7 filters

Remove the clogged filters from the unit. Clean the filters with a vacuum cleaner and install these. After two cleanings filters must be replaced. For new filters contact the Seller.

Cleaning of G4 filters

Remove the clogged filters from the unit. Then remove the retaining clamps to pull the filters from the frames. Rinse the filters with water and let these dry out. After that reassemble the filters in the reverse orders and install to the unit.

Note: access to the filters is shown for KOMFORT EC S(B)250 S14.



2. Heat exchanger maintenance (once per year).

Some dust may accumulate on the heat exchanger block even in case of regular maintenance of the filters. To maintain the high heat exchange efficiency, regular cleaning is required.

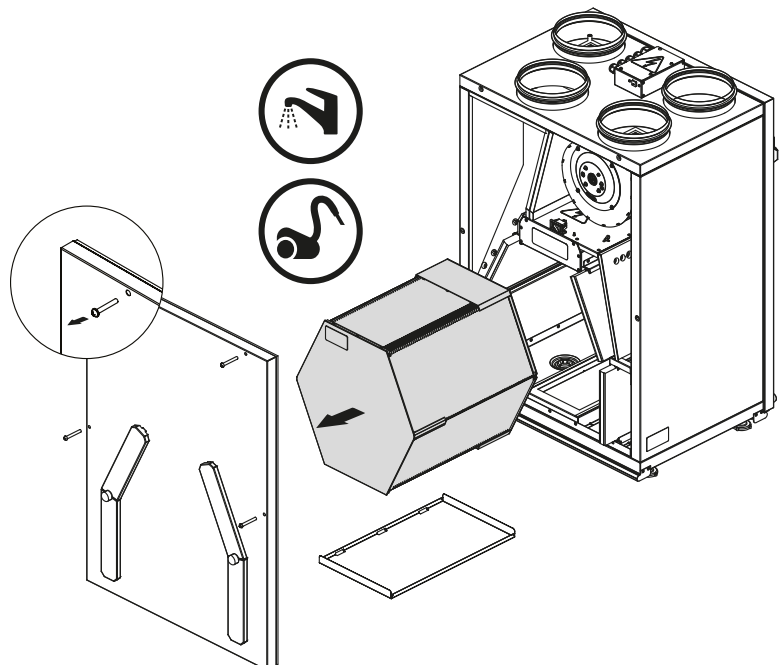
Wet cleaning of the heat exchanger

Remove the contaminated heat exchanger from the unit. Rinse it with warm mild detergent solution. Let the heat exchanger dry out and install it to the unit.

Dry cleaning of the heat exchanger

Remove the contaminated heat exchanger from the unit. Clean with a vacuum cleaner using a narrow nozzle. Install the heat exchanger to the unit.

Note: access to the heat exchanger is shown for KOMFORT EC S(B)250 S14.



3. Fan maintenance (once per year).

Even in case of regular maintenance of the filters, some dust may accumulate inside the fans and reduce the unit performance and decrease supply air flow.

Clean the fans with a soft brush or cloth. No water and abrasive detergent, sharp objects or solvents are allowed for cleaning to prevent the impeller damage.

4. Condensate drainage maintenance (once per year).

The drain pipes may get clogged with the extracted particles. Pour some water inside the drain pan to check the pipe for clogging. Clean the U-trap and the drain pipe if required.


5. Ductwork system maintenance (once in 5 years).

Regular maintenance operations listed above may not completely prevent dust accumulation in the unit, which results in reducing performance of the unit. Duct maintenance means regular cleaning or replacement.

6. Control unit maintenance (if necessary).

The control unit maintenance must be performed by an expert qualified for unassisted operations with electrical installations with the voltage up to 1000 V after careful reading of the user's manual.

TROUBLESHOOTING

Trouble	Possible reasons	Troubleshooting
The fan does not get started.	No connection to power supply.	Make sure the power supply line is connected correctly, otherwise troubleshoot a connection error.
Low air flow.	Filters, fans or the heat exchanger are soiled.	Clean or replace the filters. Clean the fan(s) and the heat exchanger.
	The ventilation system is contaminated or damaged.	Clean the ventilation system components. Replace the damaged components.
Noise, vibration.	The impeller is soiled.	Clean the impellers.
	The screw connection of the fan or the casing is loose.	Tighten the mounting screws of the fans or the casing against stop.
Water leakage (only for KOMFORT units)	The drainage system is clogged or damaged. Wrong installation of the drain system.	Clean the drainage system. Check the drain line slope angle. Make sure that the U-trap is filled with water and the drain pipes are frost protected.
The alarm indicator  is displayed on the control panel S14.	Communication loss (cable or wire breakdown) between the control panel and the ventilation unit.	Check the power and connection cables and wires between the control panel and the air handling unit for integrity using a multimeter. If unassisted troubleshooting fails, please contact the product Seller.
	Wrong cable installation.	Make sure the cable installation is completed according to the requirements. Otherwise install the cable as required.
The error DI1 or DI3 is displayed on the control panel S11 or S19. The errors are identical for the preheaters and reheaters.	Activated heating mode in the control panel whereas the heater is missing.	For error troubleshooting deactivate the heating mode. If the errors are displayed after that please contact the product Seller.

STORAGE AND TRANSPORTATION REGULATIONS

- Store the unit in the manufacturer's original packaging box in a dry closed ventilated premise with temperature range from +5 °C up to +40 °C and relative humidity up to 70 %.
- Storage environment must not contain aggressive vapors and chemical mixtures provoking corrosion, insulation, and sealing deformation.
- Use suitable hoist machinery for handling and storage operations to prevent possible damage to the unit.
- Follow the handling requirements applicable for the particular type of cargo.
- The unit can be carried in the original packaging by any mode of transport provided proper protection against precipitation and mechanical damage. The unit must be transported only in the working position.
- Avoid sharp blows, scratches, or rough handling during loading and unloading.
- Prior to the initial power-up after transportation at low temperatures allow the unit to warm up at room temperature for at least 3-4 hours.

MANUFACTURER'S WARRANTY

The product is in compliance with EU norms and standards on low voltage guidelines and electromagnetic compatibility. We hereby declare that the product complies with the provisions of Electromagnetic Council Directive 2014/30/EU, Low Voltage Directive 2014/35/EU and CE-marking Directive 93/68/EEC. This certificate is issued following test carried out on samples of the product referred to above. The manufacturer hereby warrants normal operation of the unit for 24 months after the retail sale date provided the user's observance of the transportation, storage, installation, and operation regulations. Should any malfunctions occur in the course of the unit operation through the Manufacturer's fault during the guaranteed period of operation, the user is entitled to get all the faults eliminated by the manufacturer by means of warranty repair at the factory free of charge. The warranty repair includes work specific to elimination of faults in the unit operation to ensure its intended use by the user within the guaranteed period of operation. The faults are eliminated by means of replacement or repair of the unit components or a specific part of such unit component.

The warranty repair does not include:

- routine technical maintenance
- unit installation/dismantling
- unit setup

To benefit from warranty repair, the user must provide the unit, the user's manual with the purchase date stamp, and the payment paperwork certifying the purchase. The unit model must comply with the one stated in the user's manual. Contact the Seller for warranty service.

The manufacturer's warranty does not apply to the following cases:

- User's failure to submit the unit with the entire delivery package as stated in the user's manual including submission with missing component parts previously dismantled by the user.
- Mismatch of the unit model and the brand name with the information stated on the unit packaging and in the user's manual.
- User's failure to ensure timely technical maintenance of the unit.
- External damage to the unit casing (excluding external modifications as required for installation) and internal components caused by the user.
- Redesign or engineering changes to the unit.
- Replacement and use of any assemblies, parts and components not approved by the manufacturer.
- Unit misuse.
- Violation of the unit installation regulations by the user.
- Violation of the unit control regulations by the user.
- Unit connection to power mains with a voltage different from the one stated in the user's manual.
- Unit breakdown due to voltage surges in power mains.
- Discretionary repair of the unit by the user.
- Unit repair by any persons without the manufacturer's authorization.
- Expiration of the unit warranty period.
- Violation of the unit transportation regulations by the user.
- Violation of the unit storage regulations by the user.
- Wrongful actions against the unit committed by third parties.
- Unit breakdown due to circumstances of insuperable force (fire, flood, earthquake, war, hostilities of any kind, blockades).
- Missing seals if provided by the user's manual.
- Failure to submit the user's manual with the unit purchase date stamp.
- Missing payment paperwork certifying the unit purchase.



FOLLOWING THE REGULATIONS STIPULATED HEREIN WILL ENSURE A LONG AND TROUBLE-FREE OPERATION OF THE UNIT.



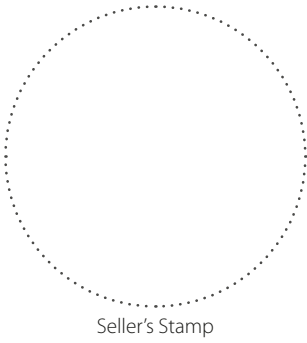
USER'S WARRANTY CLAIMS SHALL BE SUBJECT TO REVIEW ONLY UPON PRESENTATION OF THE UNIT, THE PAYMENT DOCUMENT AND THE USER'S MANUAL WITH THE PURCHASE DATE STAMP.

CERTIFICATE OF ACCEPTANCE

Unit Type	Air handling unit
Model	KOMFORT EC S_____
Serial Number	
Manufacture Date	
Quality Inspector's Stamp	

SELLER INFORMATION

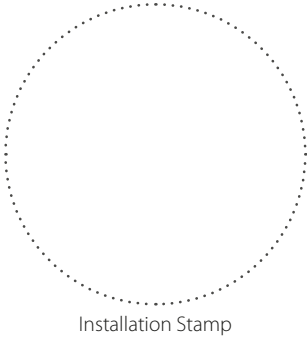
Seller	
Address	
Phone Number	
E-mail	
Purchase Date	
This is to certify acceptance of the complete unit delivery with the user's manual. The warranty terms are acknowledged and accepted.	
Customer's Signature	



INSTALLATION CERTIFICATE

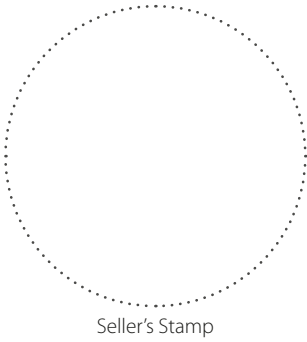
The KOMFORT EC S_____ unit has been connected to power mains pursuant to the requirements stated in the present user's manual.

Seller	
Address	
Phone Number	
Installation Technician's Full Name	
Installation Date:	Signature:
The unit has been installed in accordance with the provisions of all the applicable local and national construction, electrical and technical codes and standards. The unit operates normally as intended by the manufacturer.	
Signature:	



WARRANTY CARD

Unit Type	Air handling unit
Model	KOMFORT EC S_____
Serial Number	
Manufacture Date	
Purchase Date	
Warranty Period	
Seller	





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