USER'S MANUAL

VUT 160 V EC VUE 160 V EC VUT 160 V1 EC VUE 160 V1 EC VUT 160 VB EC VUE 160 VB EC VUT 160 V1B EC VUE 160 V1B EC VUT 350 V1B EC VUE 350 V1B EC VUT 350 VB EC VUE 350 VB EC VUT 550 VB EC VUE 550 VB EC



Air handling unit







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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 VUT/VUE 160/350/550 V(1)(B) EC 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.

SAFETY REQUIREMENTS

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.

Disconnect the unit from the power supply prior to any connection, servicing, maintenance, and repair operations.

Only qualified electricians with a work permit for electrical units up to 1000 V are allowed for installation. The present user's manual should be carefully read before beginning works.

Check the unit for any visible damage of the impeller, the casing, and the grille before starting installation. The casing internals must be free of any foreign objects that can damage the impeller blades.

While mounting the unit, avoid compression of the casing! Deformation of the casing may result in motor jam and excessive noise.

Misuse of the unit and any unauthorised modifications are not allowed.

Do not expose the unit to adverse atmospheric agents (rain, sun, etc.).

Transported air must not contain any dust or other solid impurities, sticky substances, or fibrous materials.

Do not use the unit in a hazardous or explosive environment containing spirits, gasoline, insecticides, etc.

Do not close or block the intake or extract vents in order to ensure the efficient air flow. Do not sit on the unit and do not put objects on it.

The information in this user's manual was 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.



Never touch the unit with wet or damp hands. Never touch the unit when barefoot.

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

Cleaning and user maintenance shall not be made by children without supervision Children shall not play with the appliance.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a safety hazard.

Ensure that the unit is switched off from the supply mains before removing the guard.

Precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other fuel-burning appliances.



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

The unit is designed to ensure continuous mechanical air exchange in houses, offices, hotels, cafes, 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 intake air.

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

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).

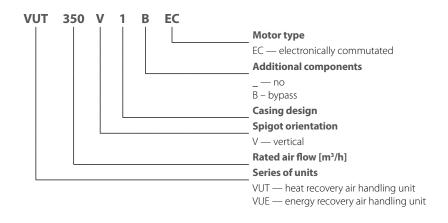


DELIVERY SET

Name	Number
Air handling unit	1 pc.
User's manual	1 pc.
Control panel*	1 pc.
Packing box	1 pc.

*The control panel is not included in the delivery set of units equipped with an A21 controller.

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 60 % without condensation. In cold, damp rooms, there is a possibility of freezing or condensation inside and outside the casing. In order to prevent condensation on the internal walls of the unit, it is necessary that the surface temperature of the casing is 2-3 °C above

the dew point temperature of the transported air.

The unit should be operated continuously, and in cases where ventilation is not necessary, reduce the air flow of the fans to a minimum (20%). This will ensure a favorable indoor climate and reduce the amount of condensation inside the unit, which can damage electronic components. Never use the unit for dehumidification, for example, of new buildings.

The unit is rated as a Class I electrical appliance.

Hazardous parts access and water ingress protection rating:

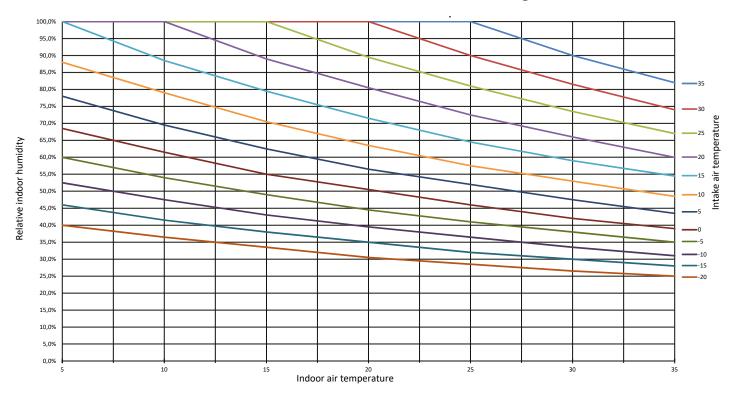
IP20 for the unit connected to the air ducts.

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	VUT 160 V EC	VUE 160 V EC	VUT 160 VB EC	VUE 160 VB EC	VUT 160 V1 EC	VUE 160 V1 EC	VUT 160 V1B EC	VUE 160 V1B EC	VUT 350 V1B EC	VUE 350 V1B EC	VUT 350 VB EC	VUE 350 VB EC	VUT 550 VB EC	VUE 550 VB EC
Supply voltage [V/50 (60) Hz]							1~ 22	20-240						
Maximum fan power [W]				5	7				16	59	17	78	33	37
Maximum unit current (without a heater) [A]				0	.5				1	.3	1	.4	2	.4
Maximum air flow [m³/h]				20	00				42	20	4	50	69	90
RPM [min ⁻¹]				37	70					32	00		28	60
Sound pressure level at 3 m distance [dBA]		2	4			2	2		28			2	6	
Transported air temperature [°C]							-25	+40						
Casing material							Painte	d steel						
Insulation, mineral wool [mm]		2	0						4	-0				
Filtering class of the extract filter							Ċ	<u>i</u> 4						
Filtering class of the supply filter							F7 (optic	onally F8)	1					
Connected air duct diameter [mm]				12	25					16	50		20	00
Weight [kg]	3	4	3	6	4	2	4	4	5	7	6	4	8	2
Heat recovery efficiency [%]	85-93	76-92	85-93	76-92	85-93	76-92	85-93	76-92	85-92	73-91	85-92	73-91	84-92	73-91
Heat exchanger type							Count	er-flow						
Heat exchanger material	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane	Polystyrene	Enthalpy membrane
SEC class	A+	A	A+	A	A+	A	A+	A	A+	A	A+	A	A+	А

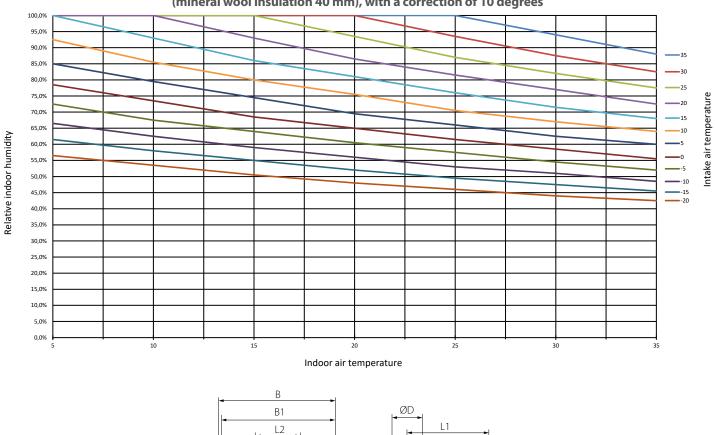
Chart for determining the condition of condensate formation on the unit surface (mineral wool insulation 20 mm), with a correction of 10 degrees



) vents



Chart for determining the condition of condensate formation on the unit surface (mineral wool insulation 40 mm), with a correction of 10 degrees



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Model		Dimensions [mm]							
Model	ØD	Ø D1	В	B1	Н	H1	L	L1	L2
VUT/VUE 160 V EC	125	18	340	330	665	550	600	388	143
VUT/VUE 160 V1 EC	125	18	380	370	690	590	640	388	143
VUT/VUE 160 VB EC	125	18	340	330	665	580	600	388	143
VUT/VUE 160 V1B EC	125	18	380	370	710	620	640	388	143
VUT/VUE 350 VB EC	160	18	600	583	760	675	730	426	230
VUT/VUE 350 V1B EC	160	18	480	470	760	675	730	426	200
VUT/VUE 550 VB EC	200	18	730	720	760	675	823	498	288

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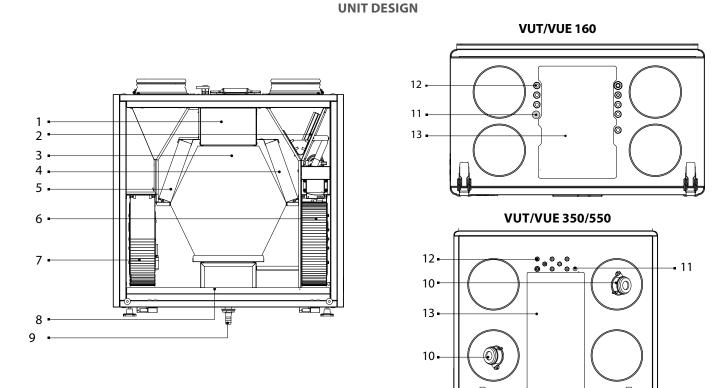
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VEN

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.



1 - control unit; 2 - bypass damper (except for VUT/VUE 160 V(1) EC models); 3 - counter-flow heat exchanger; 4 - extract filter; 5 supply filter; 6 – supply fan; 7 – extract fan; 8 – drain pan; 9 – drain pipe; 10 – differential pressure switch (only for VUT/VUE 550 A21 models); 11 – SETUP MODE button (for the units with A21 automation); 12 – cable glands; 13 – control unit lid.

The air handling unit is equipped with a hinged front service panel for repair and maintenance operations. The removable service panel design enables to change the service side location. The control unit is accessible for installation and wiring operations through the inspection door on top of the unit. The power cable and ground cable are connected to the control unit via the cable glands. The bypass damper is open or closed depending on operation mode of the unit.

The VUT/VUE 550 VB EC units are equipped with differential pressure switches for filter contamination control. Access to the pressure switches is provided through the inlet and outlet spigots.

The difference between the supply and extract air flow temperature leads to condensate generation in the VUT 160/350/550 V(1)B EC units. Condensate is collected in the drain pan and is removed outside through the drain pipe.

The VUE 160/350/550 V(1)B EC units are equipped with a heat exchanger with an enthalpy membrane and do not require condensate drainage.

Accessories for the unit are available on a separate order.

- Humidity sensor. The HV2 sensor in the VUT/VUE 160/350/550 V(1)(B) EC A21 models is connected to the controller. In the VUT/VUE 160/350/550 V(1)(B) EC A14 models, the HV2 sensor is connected to the terminal block. The HR-S sensor is connected to the controller. The unit with an installed humidity sensor maintains a set indoor humidity point. As the extract air humidity rises above the set point, the system automatically switches to the maximum speed. As the humidity drops down below the set point the unit returns to the previous mode.
- CO2 sensor (connected to the controller). Designed for indoor carbon dioxide concentration measurement and respective air capacity regulation through the control output signal to the fan. Ventilation performance control according to current CO₂ levels is an effective way to reduce energy consumption of a building.
- VOC sensor (connected to the controller). Qualitative assessment of air saturation with contaminants (cigarette smoke, exhaled air, solvent and detergent vapours). The sensor sensitivity can be adjusted with regards to the expected maximum level of air pollution. Enables on-demand ventilation which results in considerable energy savings as air is exchanged only upon reaching the preset level of pollution.



- NKP duct preheater (for the VUT/VUE 160/350/550 V(1) (B) EC A21 units). The heater maintains the duct air temperature at a point that prevents the heat exchanger freezing. Heater installation and connection to the unit are described in the heater user's manual.
 NKD duct reheater (for the VUT/VUE 160/350/550 V(1) (B) EC A21 units). The heater maintains a room temperature set by the
- temperature sensor. Heater installation and connection to the unit are described in the heater user's manual.

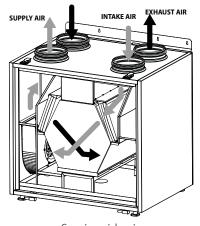
UNIT OPERATION MODES

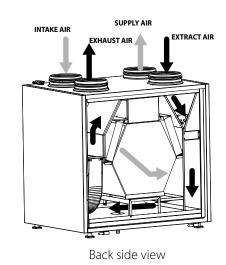
Summer Cooling mode

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 exchangers 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 directed to

the room with the supply fan. Heat is exchanged between the intake and extract air in the heat exchanger. 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.





The bypass damper is opened, the extract air that is removed from

the premises is routed along the bypass duct and does not come in

contact with the heat exchanger. The temperature of the air is not

changed after passing through the heat exchanger.

Service side view

Heat exchanger freeze protection (frost danger appears when the extract air temperature downstream of the heat exchanger is lower than +5 °C and intake air temperature upstream of the heat exchanger is lower than -3 °C for units with preheating and +3 °C for units without preheating).

In case of freezing danger, the supply fan is turned off in the VUT/VUE 160/350/550 V(1)(B) EC A14 units.

When the temperature increases, the unit returns to the previous operation mode.

The VUT/VUE 160/350/550 V(1)(B) EC A21 units have two freeze protection modes:

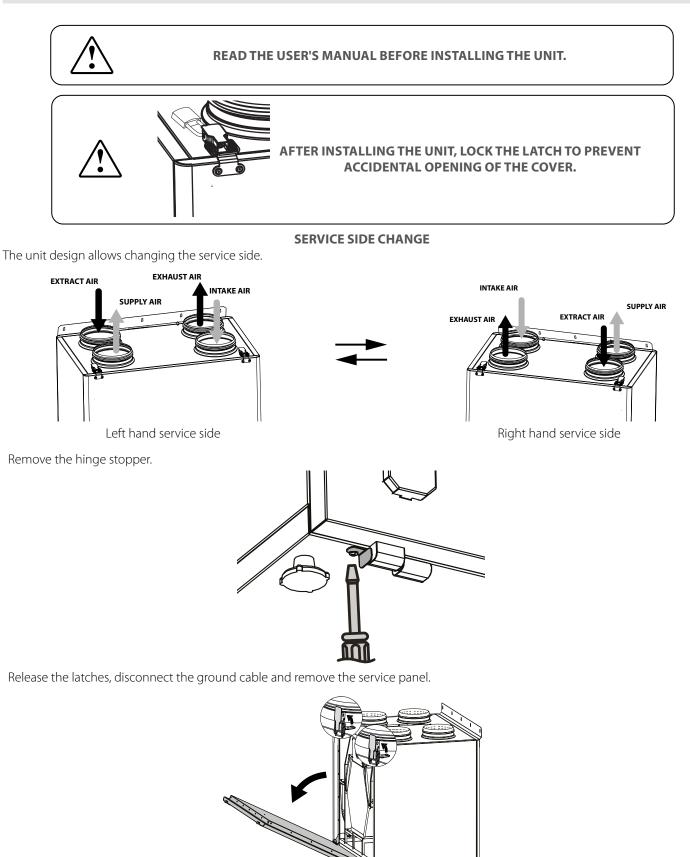
- periodically the supply fan is turned off
- with the electric preheater (if the unit is equipped with a duct preheater)

Mode selection and settings are described in the A21 control system user's manual.

Warning! The heat exchanger freeze protection mode using bypass is not available.

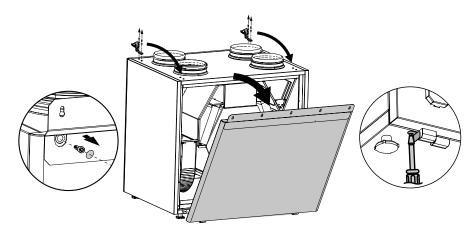


INSTALLATION AND SET-UP



Remove the latches and move them to the opposite side. Remove the back panel by undoing the three screws hidden under plastic plugs.





Install the service panel on the opposite side, connect it with a ground wire. Install the back cover.

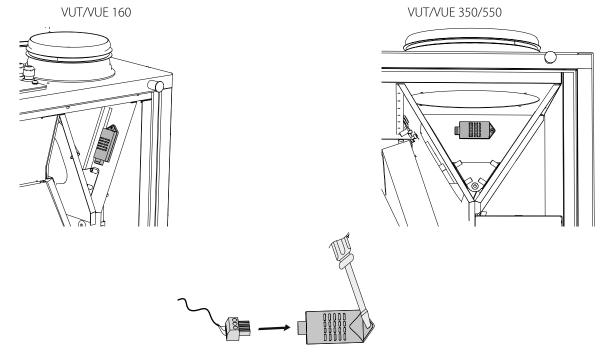
Attach the hinge stopper.

HUMIDITY SENSOR MOUNTING

The humidity sensor is not included in the delivery set and must be purchased separately.

The sensor is installed in the exhaust air duct upstream of the heat exchanger.

For ease of installation, it is recommended to remove the rear panel of the unit (see the figure above).



Fasten the sensor with the screw on the threaded rivet. Connect the sensor connector to the connector with the cable from the control unit.



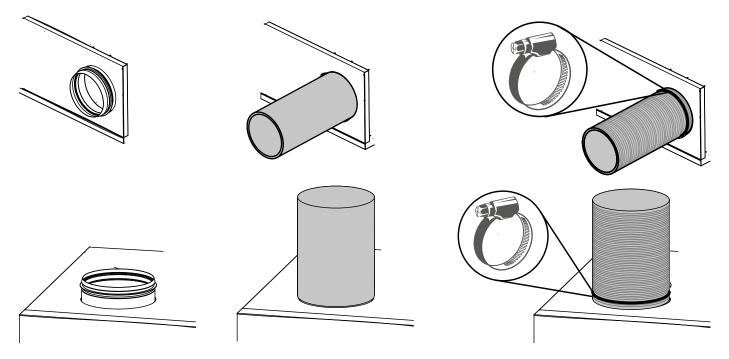
UNIT INSTALLATION

To get the best performance of the unit and to minimize turbulence-induced air pressure losses, connect the straight air duct section to the spigots on both sides of the unit while installing.

Minimum straight air duct length:

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

The air ducts must be slipped over the unit flanges until tight. Flexible air ducts must be rigidly fixed with a metal worm clamp.



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

When selecting the unit mounting position, enable free excess to the service panel for maintenance and service operations.

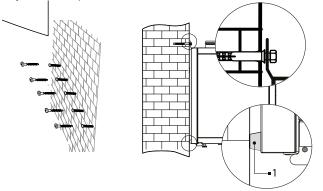
The unit should be mounted strictly horizontally in the longitudinal and transverse planes. In case of non-compliance, unit's casing distortion and operation disturbance will occur.

Unit wall mounting

Dowels for wall mounting are not included in the delivery set and Install the unit on the pre-mounted floor supports, minimum 150 should be ordered separately.

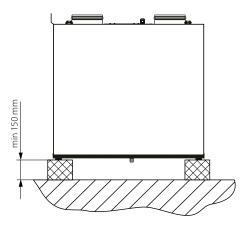
While choosing dowels consider the material of the mounting surface as well as the weigh of the unit, refer to the "Technical data" section. Dowels for unit mounting should be selected by the installation specialist.

Install the dowels in the wall. Install the screws. Suspend the unit. Achieve a strictly vertical position of the unit by rotating the adjustable stop (1).



Unit floor mounting

mm height, to ensure sufficient access for the drain pipe connection to the U-trap and for condensate drain system installation.

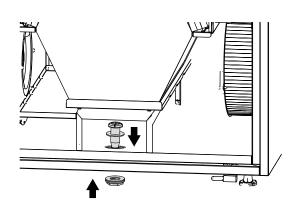


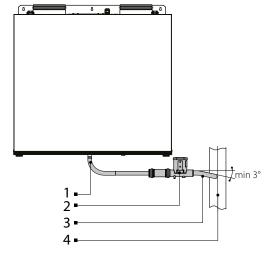


CONDENSATE DRAINAGE

Condensate drainage is required for the VUT 160/350/550 V(1)(B) EC unit series.

The hole for the drain pipe is at the bottom of the unit. Remove the plug from the hole. Open the service panel and remove the plug in the drain pan. 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). Make sure the U-trap is always filled with water. The pipe slope downwards must be at least 3°.

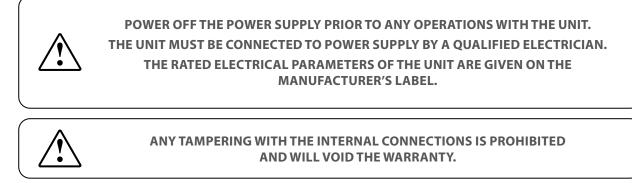




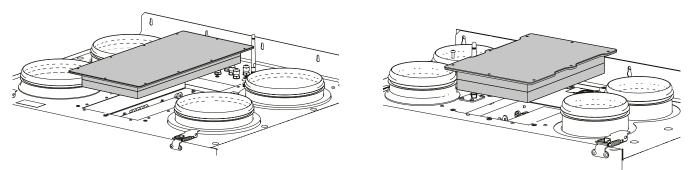
1 – drain pipe; 2 – U-trap; 3 – drain hose; 4 – sewage system

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CONNECTION TO POWER MAINS

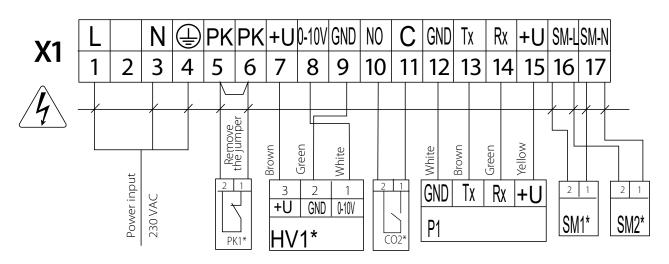


For accessing the terminal block and the controller undo the screws of the terminal box cover and remove it.



Route the cables to the control unit through the cable glands in the unit. Carry out the electrical connections as shown in the wiring diagram.

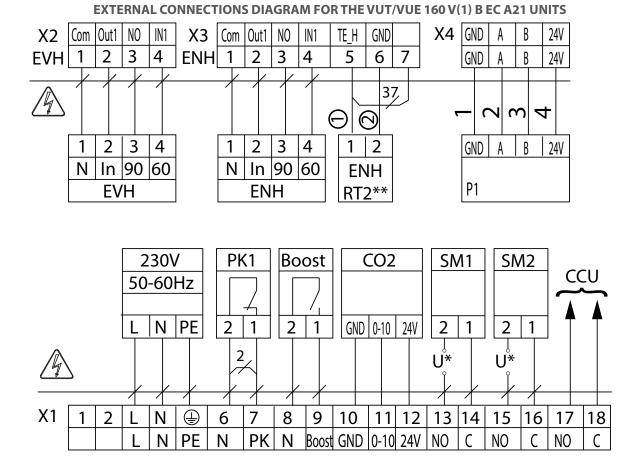
EXTERNAL WIRING DIAGRAM FOR THE VUT/VUE 160/350/550 V(1)(B) EC A14 UNITS



Designation	Name	Model	Wire**
SM1*	Supply air damper actuator		2 x 0.75 mm ²
SM2*	Extract air damper actuator		2 x 0.75 mm ²
PK1*	Contact from fire alarm panel	NC	2 x 0.75 mm ²
C02*	CO ₂ sensor	NO	2 x 0.75 mm ²
HV1*	Humidity sensor		3 x 0.75 mm ²
P1	External control panel		4 x 0.25 mm ²

*Is not included in the delivery set.

- ELECTRIC SHOCK HAZARD!



\bigcirc — brown; \bigcirc — white.

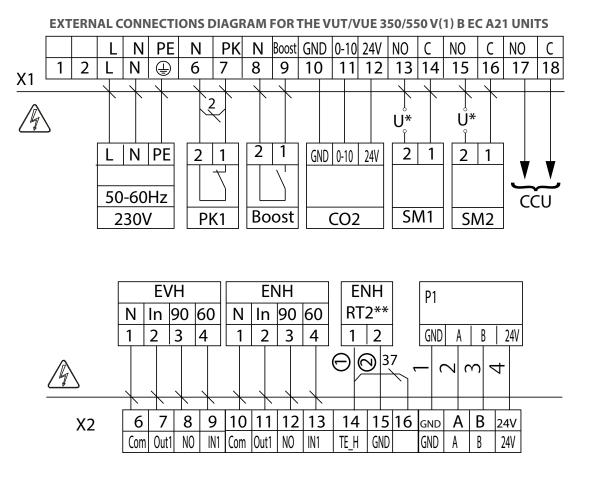
VENTS

Designation	Name	Model	Wire type	Note
SM1*	Supply air damper actuator	NO	2 x 0.75	3 A, 30VDC/~250 AC
SM2*	Extract air damper actuator	NO	2 x 0.75	3 A, 30VDC/~250 AC
PK1	Contact from fire alarm panel	NC	2 x 0.75	Remove the jumper 2
CCU	Cooler control	NO	2 x 0.75	3 A, 30VDC/~250 AC
P1	External control panel		4 x 0.5	
Boost	Boost On/Off contacts of the Boost mode	NO	2 x 0.75	
CO2	External CO ₂ sensor		3 x 0.25	
EVH	Duct heater (for preheating)		4 x 0.5	
ENH	Duct heater (for reheating)		4 x 0.5	
ENH RT2**	Duct temperature sensor		2 x 0.25	Remove the jumper 37

*The supply voltage U of the SM1, SM2 external dampers is selected depending on the type of dampers. **Part of ENH.







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Designation	Name	Model	Wire type	Note
SM1*	Supply air damper actuator	NO	2 x 0.75	3 A, 30VDC/~250 AC
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PK1	Contact from fire alarm panel	NC	2 x 0.75	Remove the jumper 2
CCU	Cooler control	NO	2 x 0.75	3 A, 30VDC/~250 AC
P1	External control panel		4 x 0.5	
Boost	Boost On/Off contacts of the Boost mode	NO	2 x 0.75	
CO2	External CO ₂ sensor		3 x 0.25	
EVH	Duct heater (for preheating)		4 x 0.5	
ENH	Duct heater (for reheating)		4 x 0.5	
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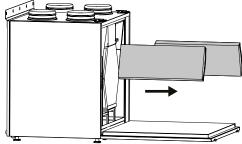


TECHNICAL MAINTENANCE

Maintenance operations of the unit are required 3-4 times per year. They include general cleaning of the unit and the following operations:

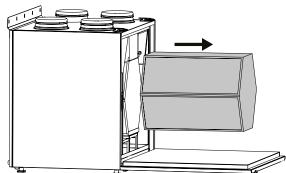
1. Filter maintenance (3-4 times per year).

Dirty filters increase air resistance in the system and reduce supply air volume. The filters require cleaning not less than 3-4 times per year. Clean the filter with a vacuum cleaner or replace it with a new one. For new filters contact the Seller.



2. Heat exchanger maintenance (once per year).

Some dust may accumulate on the heat exchanger even in case of regular maintenance of the filters. To maintain the high heat recovery efficiency, regular cleaning is required. To clean the heat exchanger, remove it from the unit and clean the heat exchanger by using compressed air or a vacuum cleaner. In case of severe contamination, the heat exchanger can be washed with water. After cleaning, reinstall the heat exchanger into the unit.



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 fan performance and supply air flow. Fans should be cleaned by the service technician.

4. Condensate drainage system maintenance (4 times per year).

The condensate drainage (drain line) may get clogged by dirt and dust particles contained in the exhaust air. Check the drain line operation by filling the drain pan under the unit with water, clean the U-trap and the drain line, if necessary.

5. Supply air flow control (twice per year).

The supply duct grille may get clogged with leaves and other objects reducing the unit performance and supply air delivery. Check the supply grille twice per year and clean it as required.

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

Even regular fulfilling of all the maintenance operations prescribed above may not completely prevent dirt accumulation in the air ducts, which leads to air pollution and reduces the unit capacity. Duct maintenance means regular cleaning or replacement.

IF UNIDENTIFIED NOISES OR ODOURS SHOULD ARISE AND IN CASE OF DEFORMATION OF ELEMENTS, VIBRATION, TERMINATION OF AIR SUPPLY/EXTRACTION OR REDUCED SYSTEM PERFORMANCE, IMMEDIATELY DISCONNECT THE UNIT FROM POWER SUPPLY AND CONTACT THE SELLER FOR THE VENTILATION SYSTEM DIAGNOSTICS. DIAGNOSTICS MUST BE CARRIED OUT BY QUALIFIED SPECIALISTS.

POSSIBLE REASONS AND TROUBLESHOOTING

Problem	Possible reasons	Troubleshooting		
The fer (c) does not start	No power supply.	Make sure the power supply line is connected correctly, otherwise troubleshoot the connection error.		
The fan(s) does not start when the unit is on.	The mode in which the fans are turned off is set.	Change the mode with the help of the control panel.		
	Low set fan speed.	Set higher speed.		
Low air flow.	The filters and the fans are clogged, the heat exchanger is clogged.	Clean or replace the filters, clean the fans and the heat exchanger.		
	Ventilation system elements (air ducts, diffusers, louver shutters, grilles) are clogged, damaged or closed.	Clean or replace the ventilation system elements, such as air ducts, diffusers, louvre shutters, grilles.		
Cold supply air.	The extract filter is soiled.	Clean or replace the extract filter.		
Noice vibration	The fan or casing screw connection is loose.	Tighten the screw connection of the fans or the casing.		
Noise, vibration.	No anti-vibration connectors on air duct pipe flanges.	Install anti-vibration connectors.		
Water leakage (only for the VUT VB EC units)	The drainage system is soiled, damaged, or installed incorrectly.	Clean the drain line. Check the drain line slope angle. Make sure that the U-trap is filled with water and the drain pipes are frost protected.		

If troubleshooting steps have failed, contact the Seller of the product.

In case of faults not described in the table, contact the Seller for further information.

STORAGE AND TRANSPORTATION REGULATIONS

- Store the unit in the manufacturer's original packaging box in a dry closed ventilated premise with temperature range +5 °...+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 operating 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 Compatibility (EMC) Directive 2014/30/EU of the European Parliament and of the Council, Low Voltage Directive (LVD) 2014/35/EU of the European Parliament and of the Council and CE-marking Council 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 месяца 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 dismounted 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	Приточно-вытяжная установка
Model	
Serial Number	
Manufacture Date	
Quality Inspector's Stamp	

SELLER INFORMATION

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

INSTALLATION CERTIFICATE

The		unit is installed pursuant to the requirements stated]
in the present user's manua	l.		
Company name			
Address			
Phone Number			
Installation] 🔪 🛛 📝
Technician's Full Name			
Installation Date:		Signature:	······································
		sions of all the applicable local and national construction, berates normally as intended by the manufacturer.	Installation Stamp
Signature:			

WARRANTY CARD

Unit Type	Приточно-вытяжная установка	and the second
Model		
Serial Number		
Manufacture Date		
Purchase Date		
Warranty Period		
Seller		Seller's Stamp





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