



# ProNordic S100R

INSTRUCTIONS TRANSLATED FROM ORIGINAL LANGUAGE

ART.NR. 171000

**EN**

## INSTALLATION AND MAINTENANCE INSTRUCTION

Air handling unit

**INSTALLATION  
INSTRUCTIONS**

## Symbols used

These products bear a number of symbols used for labelling the actual product and in installation and user documentation.



Supply air



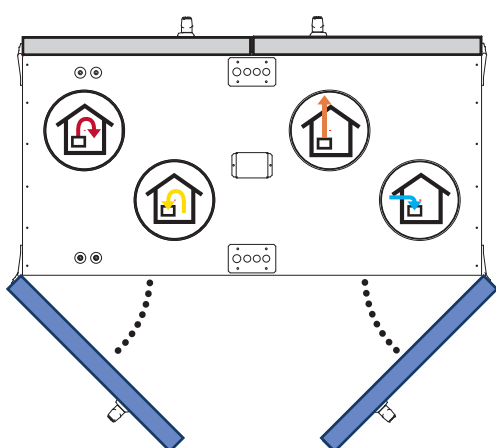
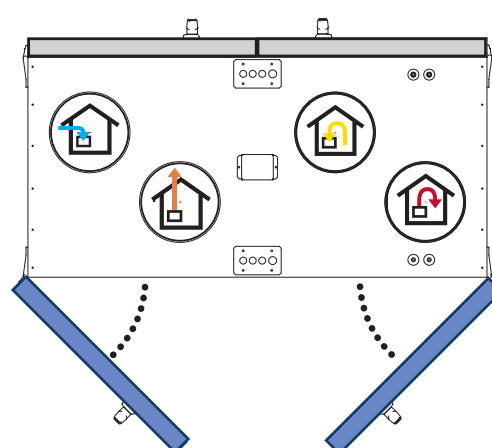
Extract air



Exhaust air



Outdoor air

DANGER!  
ELECTRICITYDANGER!  
DO NOT TOUCHEXAMPLE OF NIPPLE LOCATIONS  
(shown as a right model)EXAMPLE OF NIPPLE LOCATIONS  
(shown as left model)

**DANGER!** When a text box is this colour, it means that a life-threatening or serious personal injury may be the consequence of not following the instructions.



**NOTICE!** When a text box is this colour, it means that a poor utilisation ratio or product operating issues may be the consequence of not following the instructions.



**CAUTION!** When a text box is this colour, it means that material damage may be the consequence of not following the instructions.



**INFO!** When a text box is this colour, it means that it contains important information.



## SAFETY INSTRUCTION



- To avoid the risk of fire, electric shock or injury, read all the safety instructions and warning texts before using the unit.
- All electrical connections must be carried out by qualified electricians.
- The unit must not be used to extract combustible or flammable gases.
- It is the installer's responsibility to carry out a full safety and function assessment of the appliance.
- All electrical power to the unit must be shut off before carrying out service or maintenance, including cleaning:
  1. Switch off the unit in the following menu on the handheld terminal: 'Start page > SERVICE SWITCH > Off'.
  2. Wait until the unit has stopped.
  3. Cut the power with the all-pole switch.



- This unit is only designed for ventilation air in homes and commercial buildings.
- To maintain a good indoor climate, comply with regulations and avoid condensation damage, the unit must never be stopped apart from during service/ maintenance or in connection with an accident.
- The unit must not be operated without the filters being in place.
- All plumbing work must be carried out by an authorised plumber.



- The location of the water battery must be approved by a plumber owing to the risk of water leaks.
- Check whether the unit's operating voltage is 3~230V (Norway only) or 3N~400V.
- The electric battery must be configured in accordance with the operating voltage.



- This device may be used by children aged 8 and over, by people with physical, sensory or mental functional impairments and by people who lack experience or knowledge, provided that they are supervised or have been instructed in how to use the device safely and have been informed about and understand any risks.
- Children may not play with the device.
- Children may not perform cleaning and user maintenance without supervision.
- The unit must not be accessible to the general public, i.e. installed in a technical room to which only operating personnel or authorized personnel have access.



See the following documents for further information about the product:

118076 automatic control instructions

118109 wiring diagram

For spare parts, see [www.flexit.com](http://www.flexit.com)

*Our products are subject to continuous development and we therefore reserve the right to make changes. We also disclaim liability for any printing errors that may occur.*

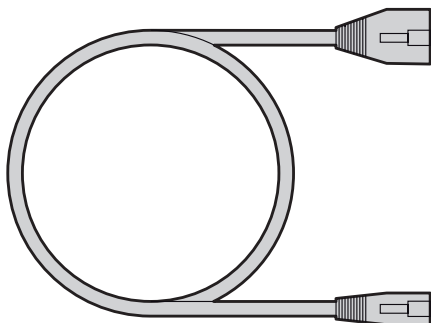


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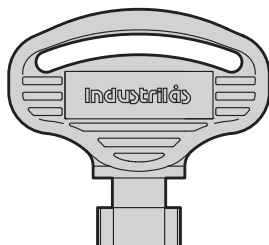
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## 1. Items included

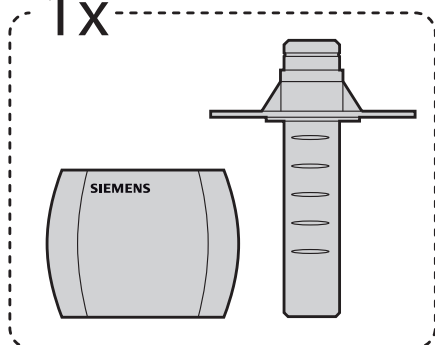
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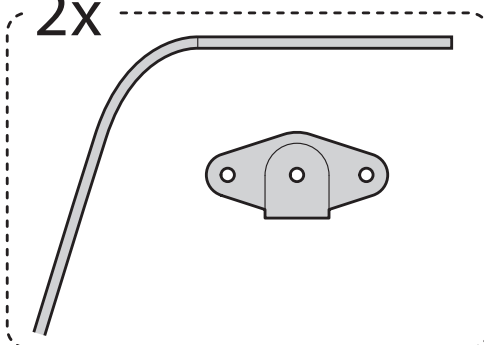
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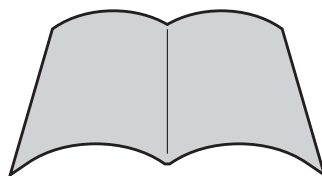
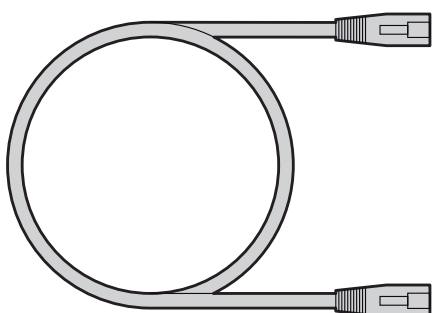
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2x



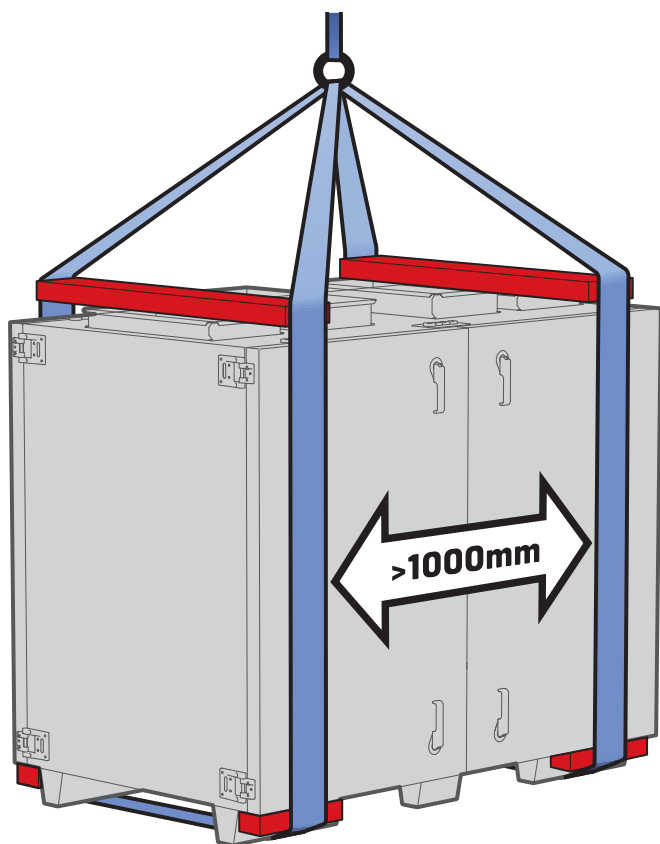
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118004 - installation and maintenance instructions  
118076 - automatic control manual  
118109 - wiring diagram

## 2. Inward transport

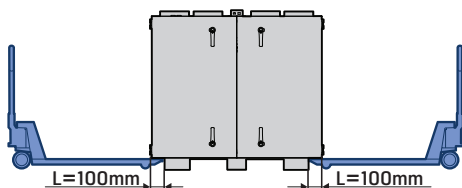
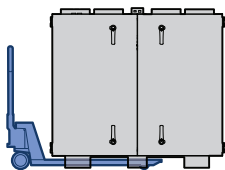
### 2.1. Transport using lifting straps



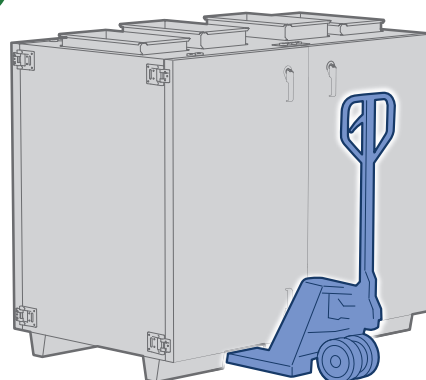
The unit must be stored in a dry environment to avoid damage to the electronics.

### 2.2. Transport using pallet truck

1



2

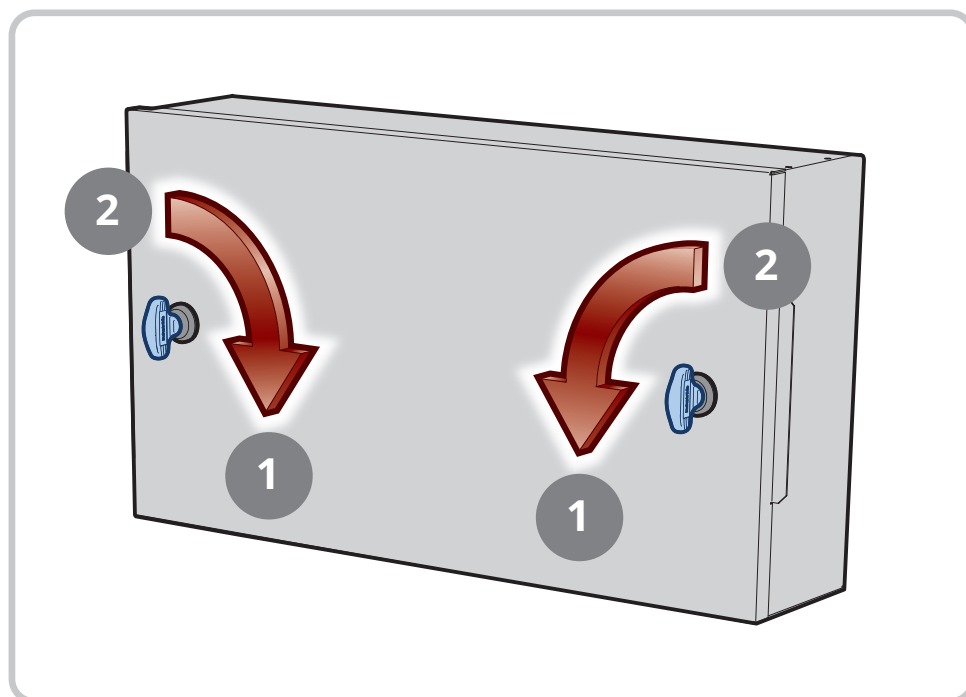
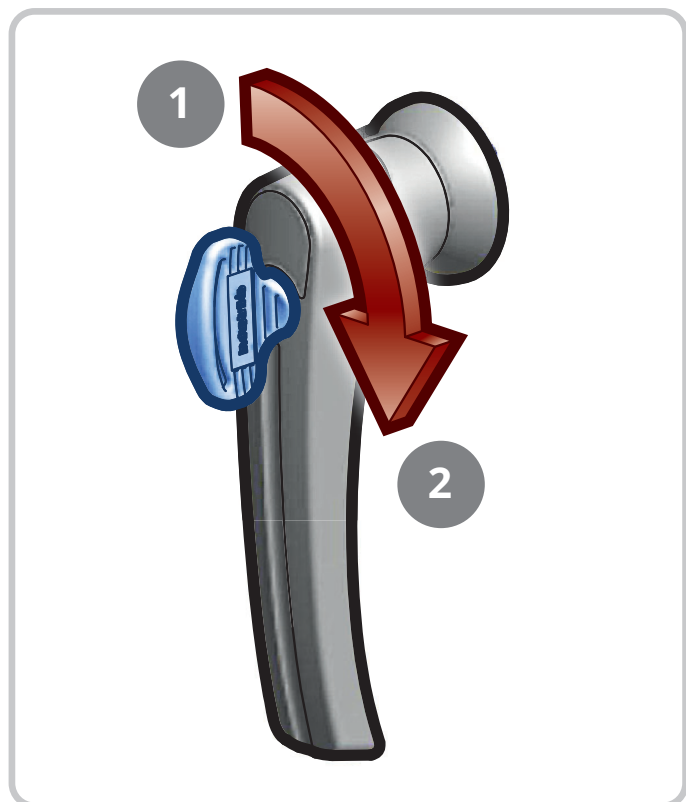


### 2.3. Operating the door locks

|          |          |
|----------|----------|
| <b>1</b> | <b>2</b> |
| unlocked | locked   |



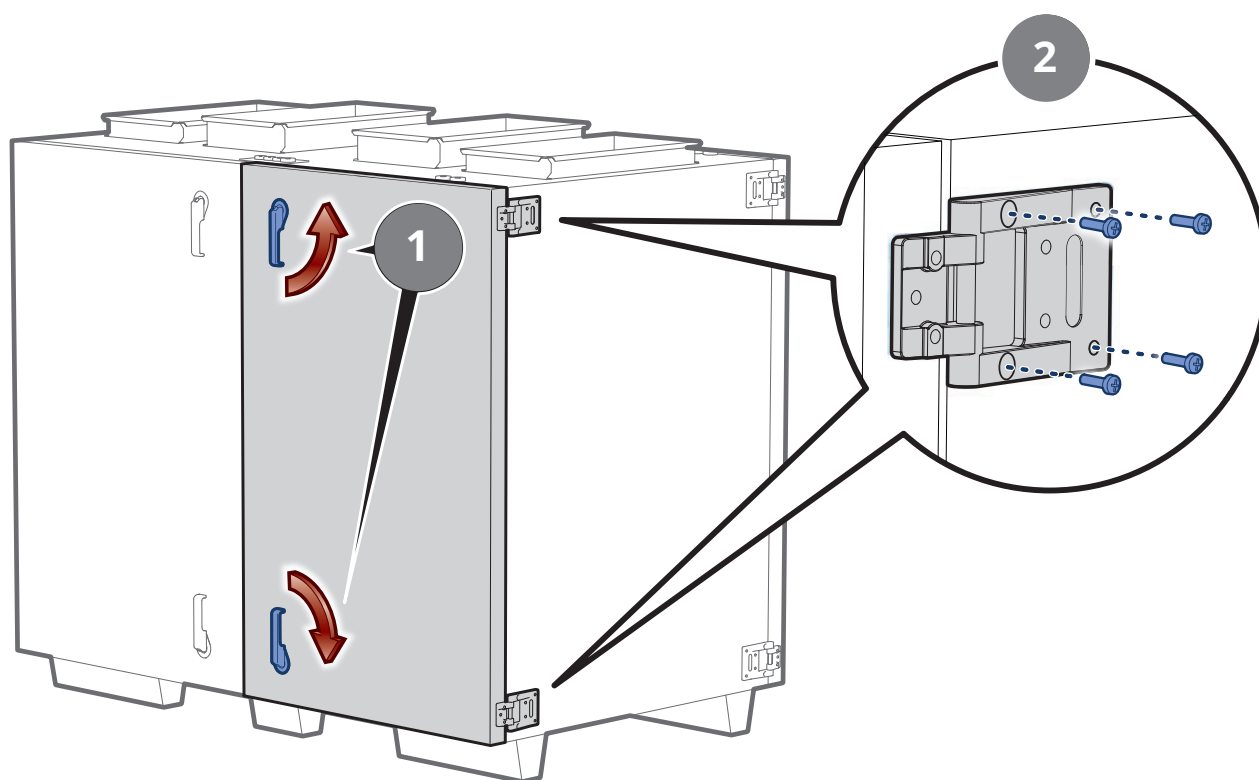
Unit and control cabinet are always to be locked.



## 2.4. If a door needs to be removed



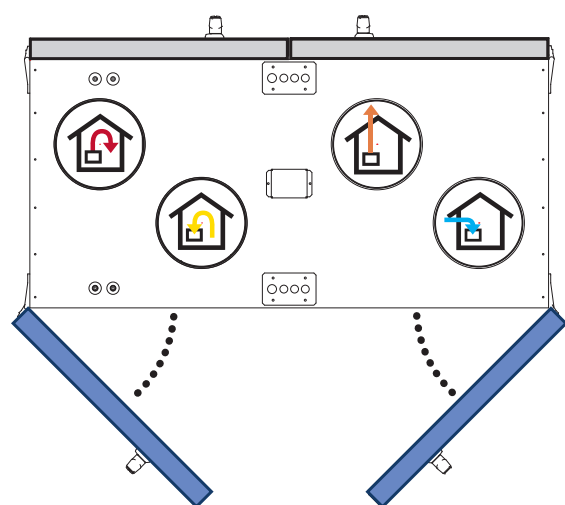
**INFO!** The dimensions and component weights are found in chap. 10. Reference data page 29.



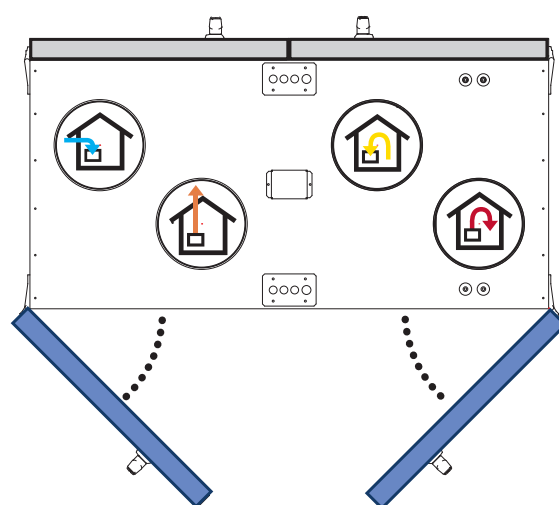
### 3. Rebuilding the unit models

Standard, outdoor air right →

Can be configured as left model

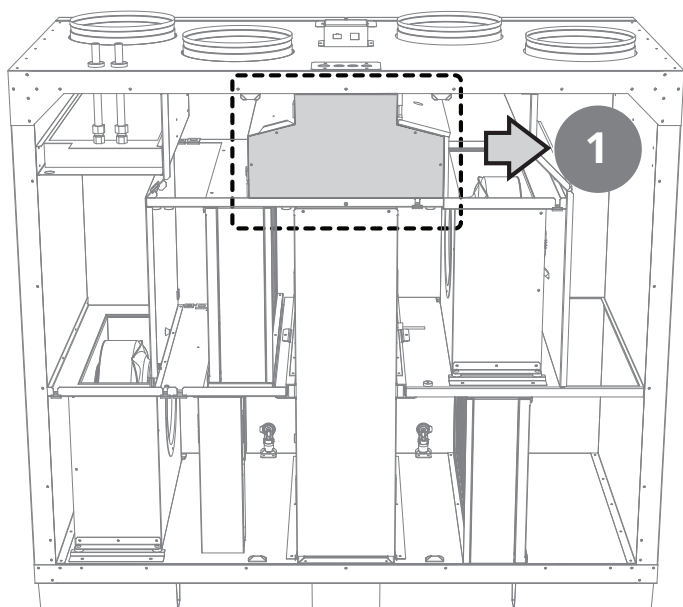


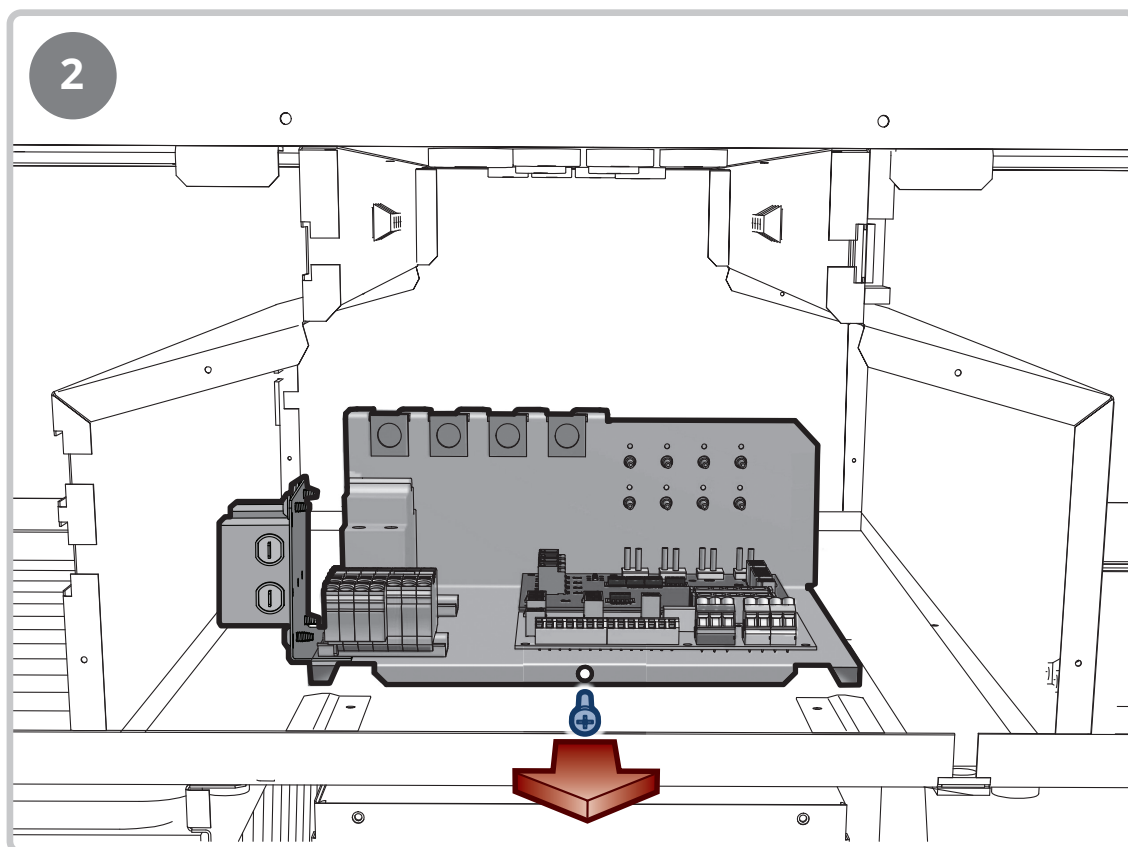
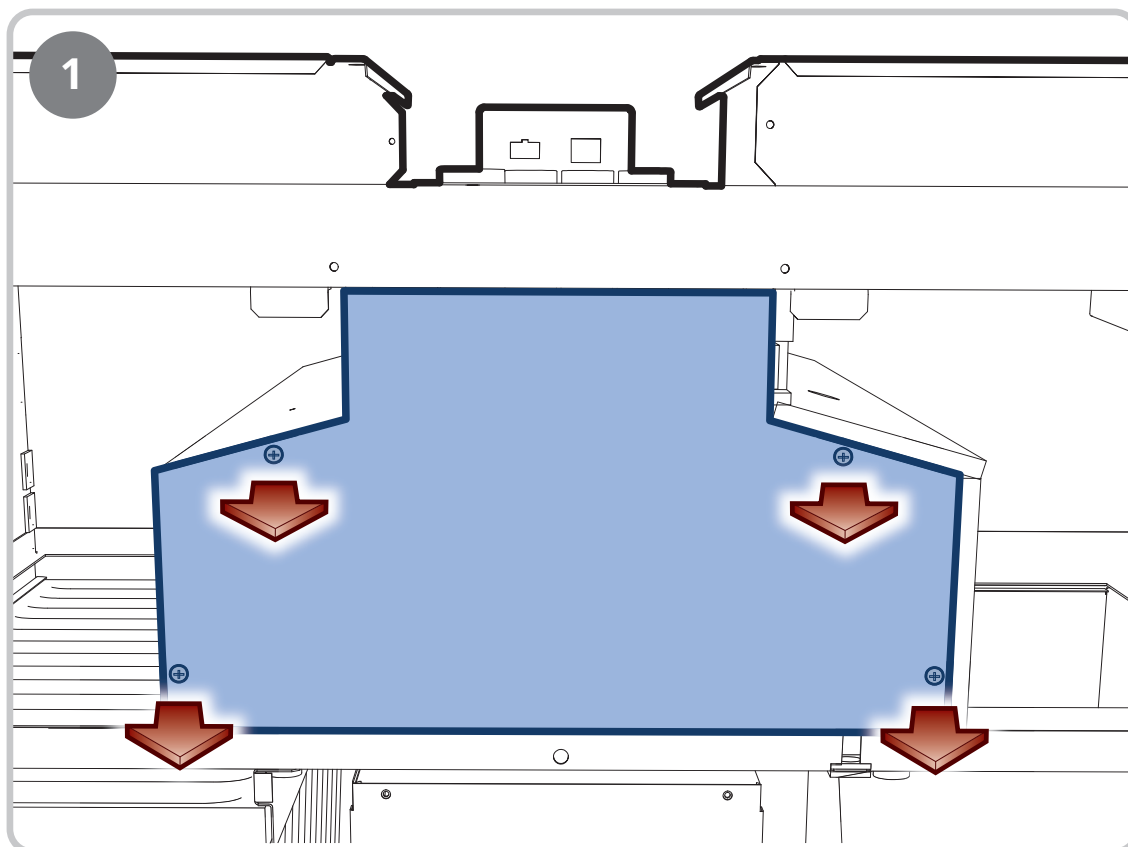
*Right model*

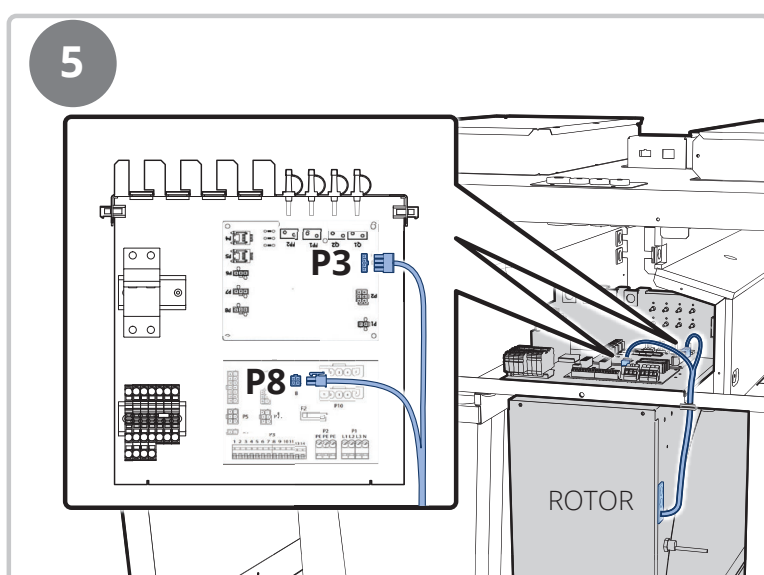
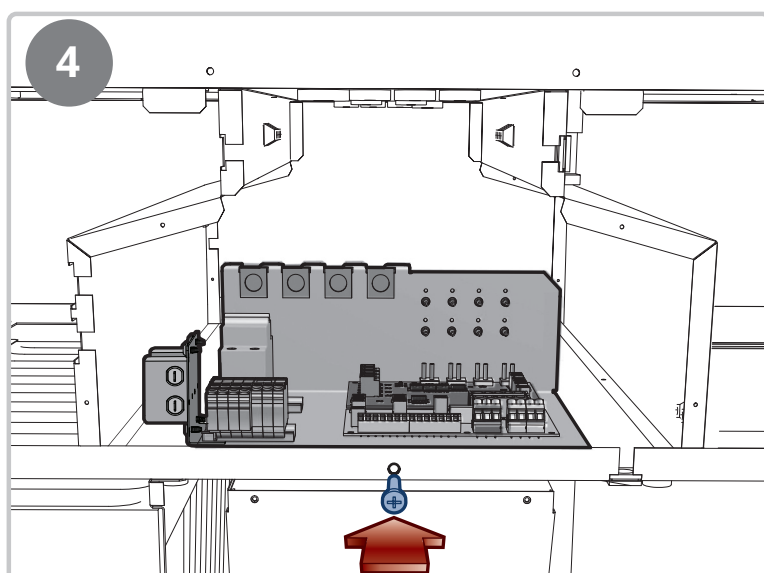
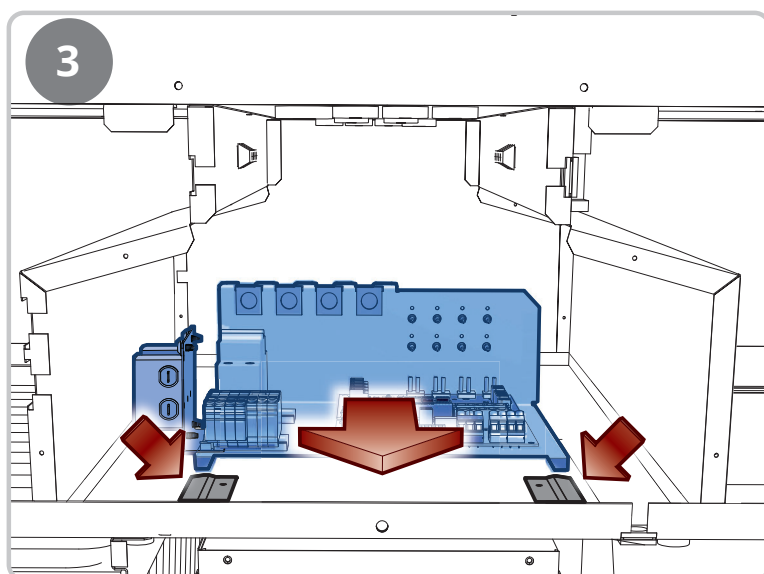


*Left model*

#### 3.1. Finalization of right model

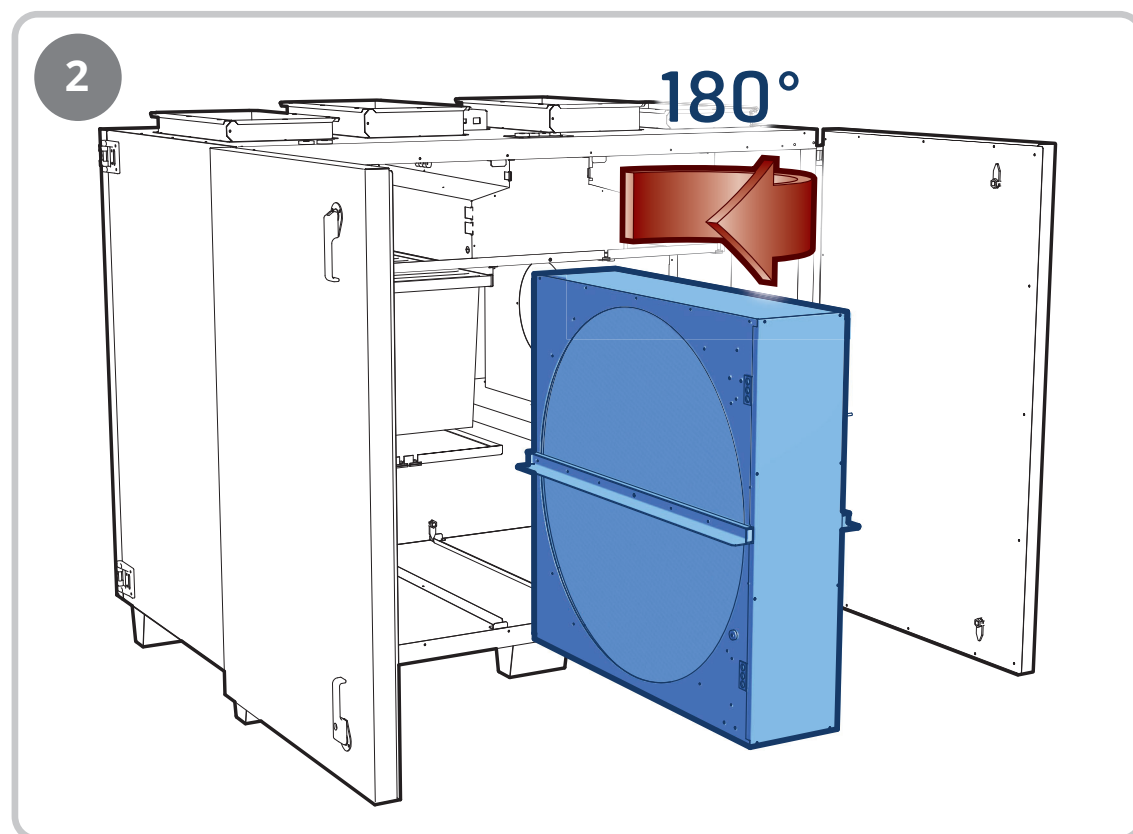
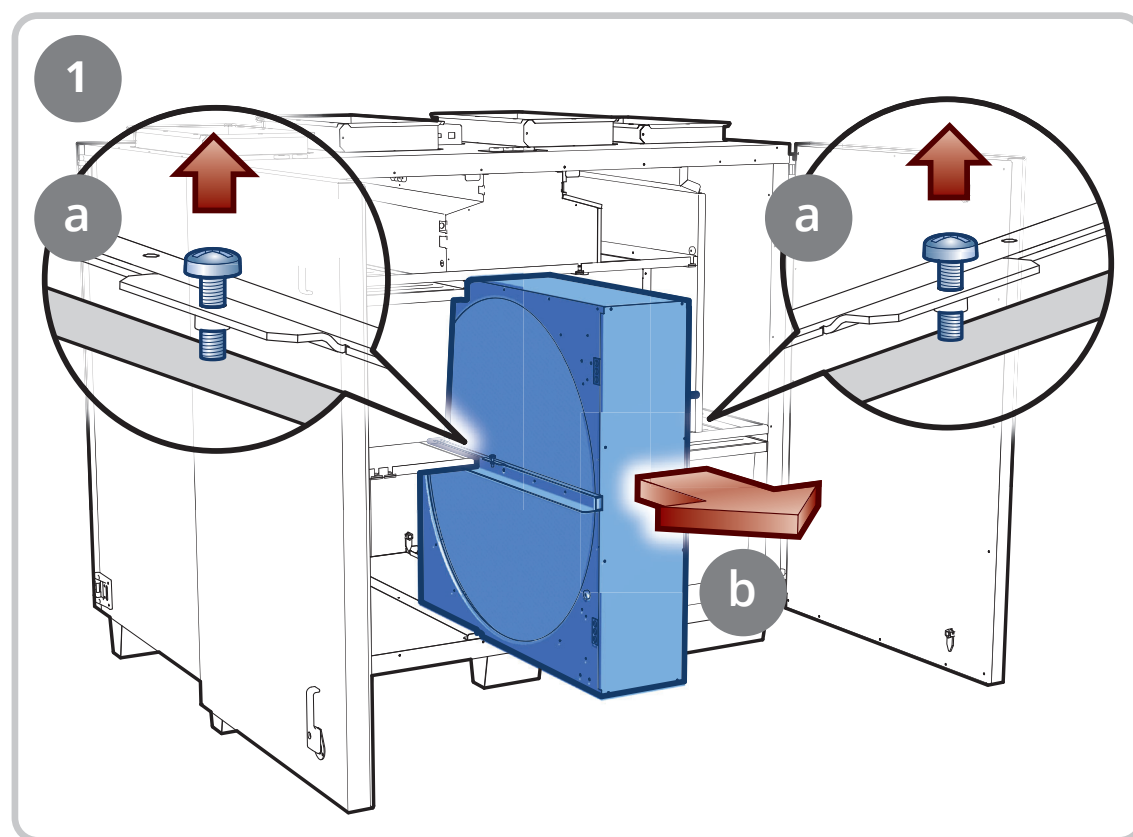


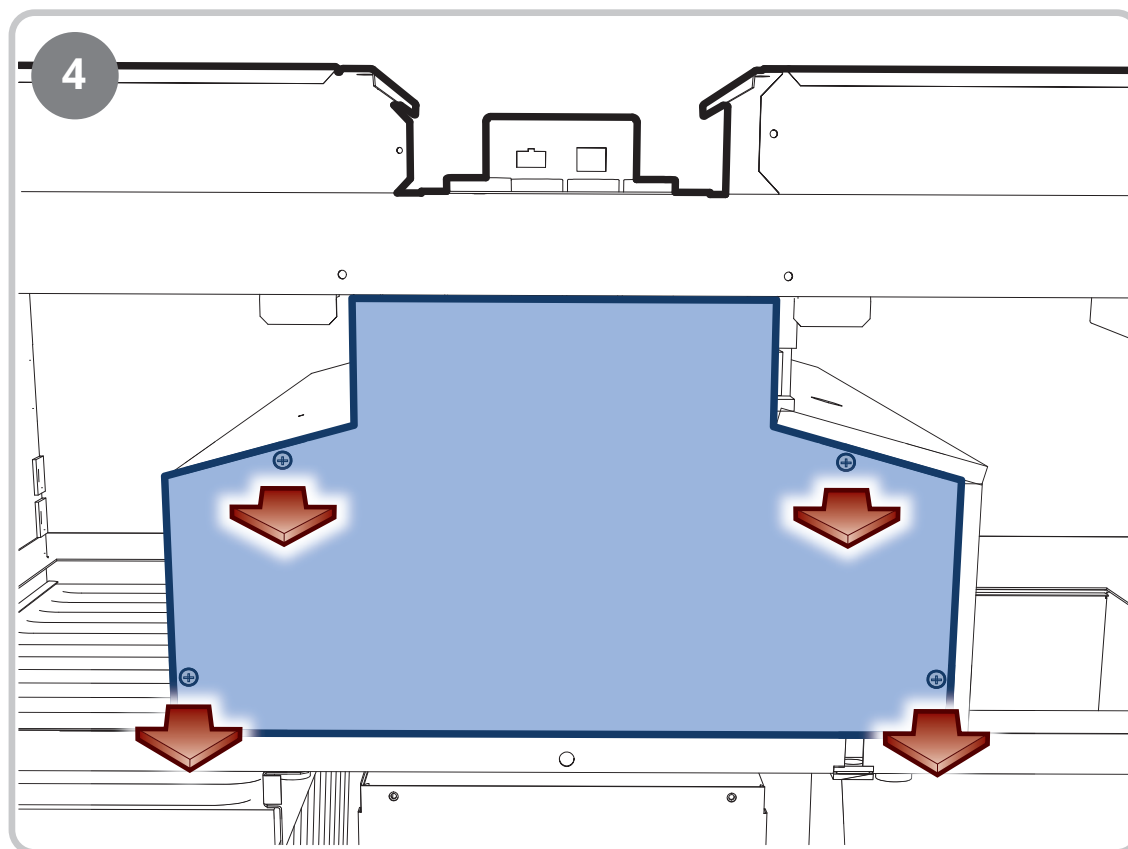
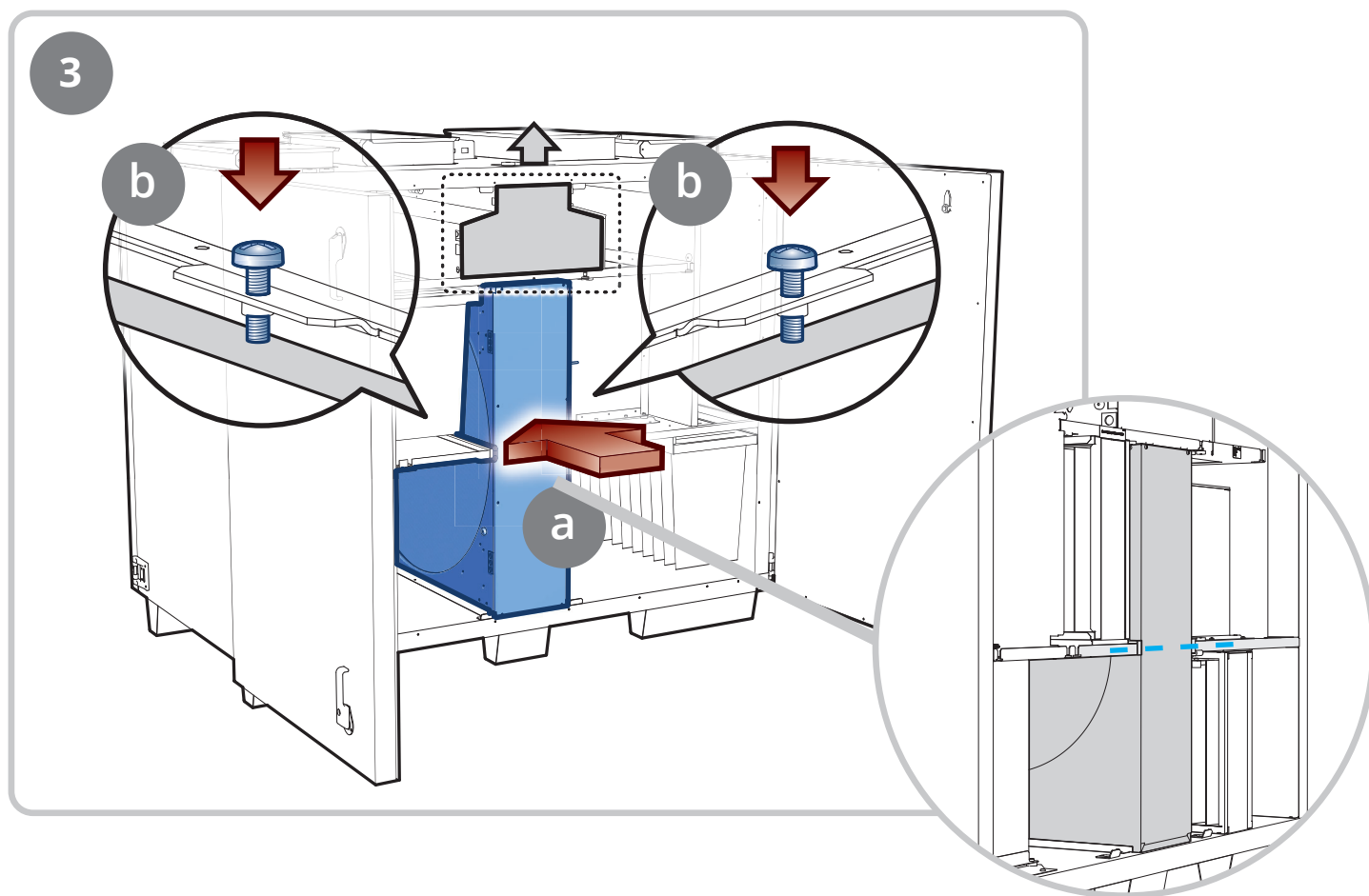


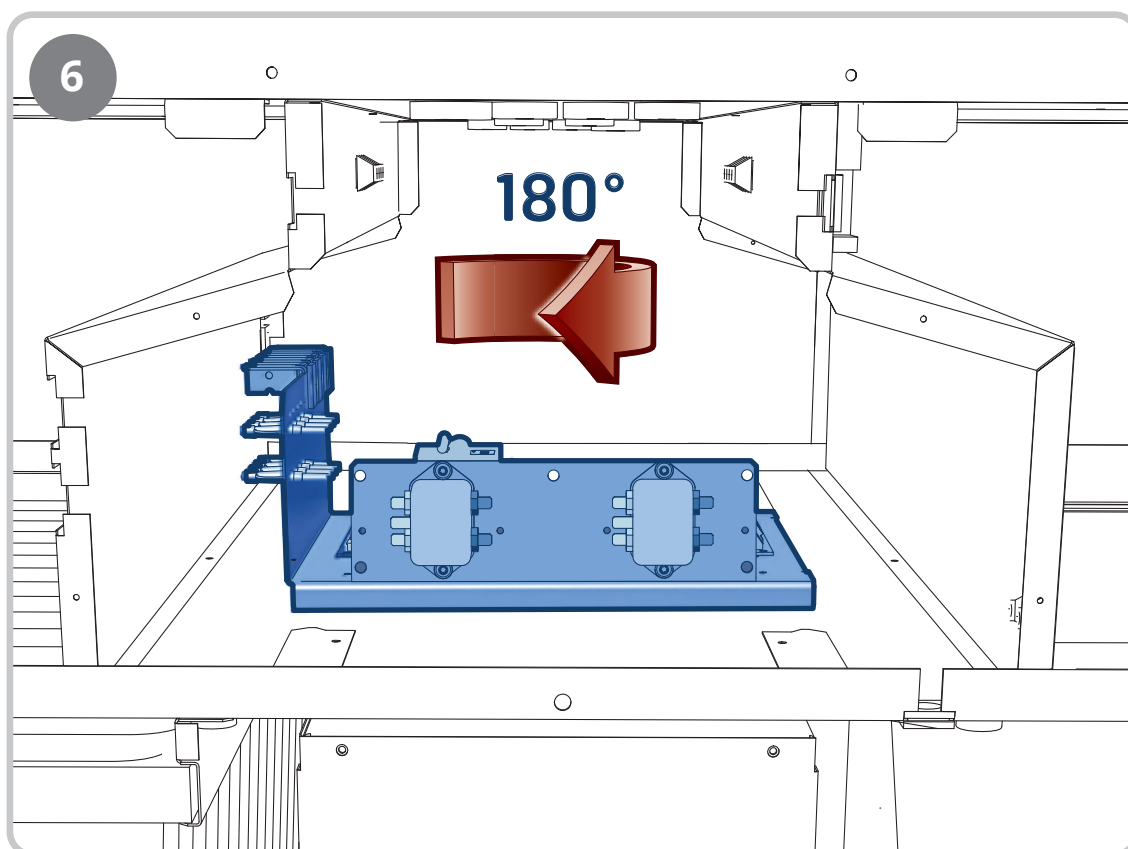
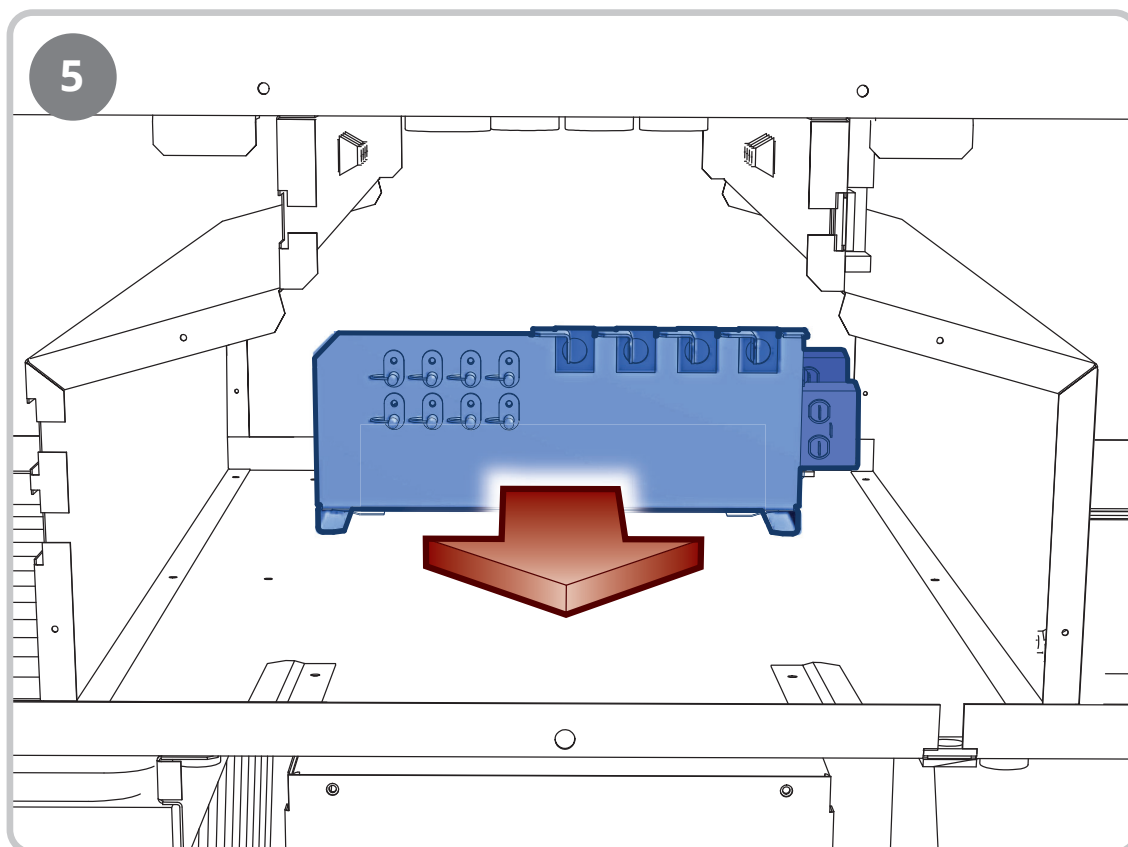


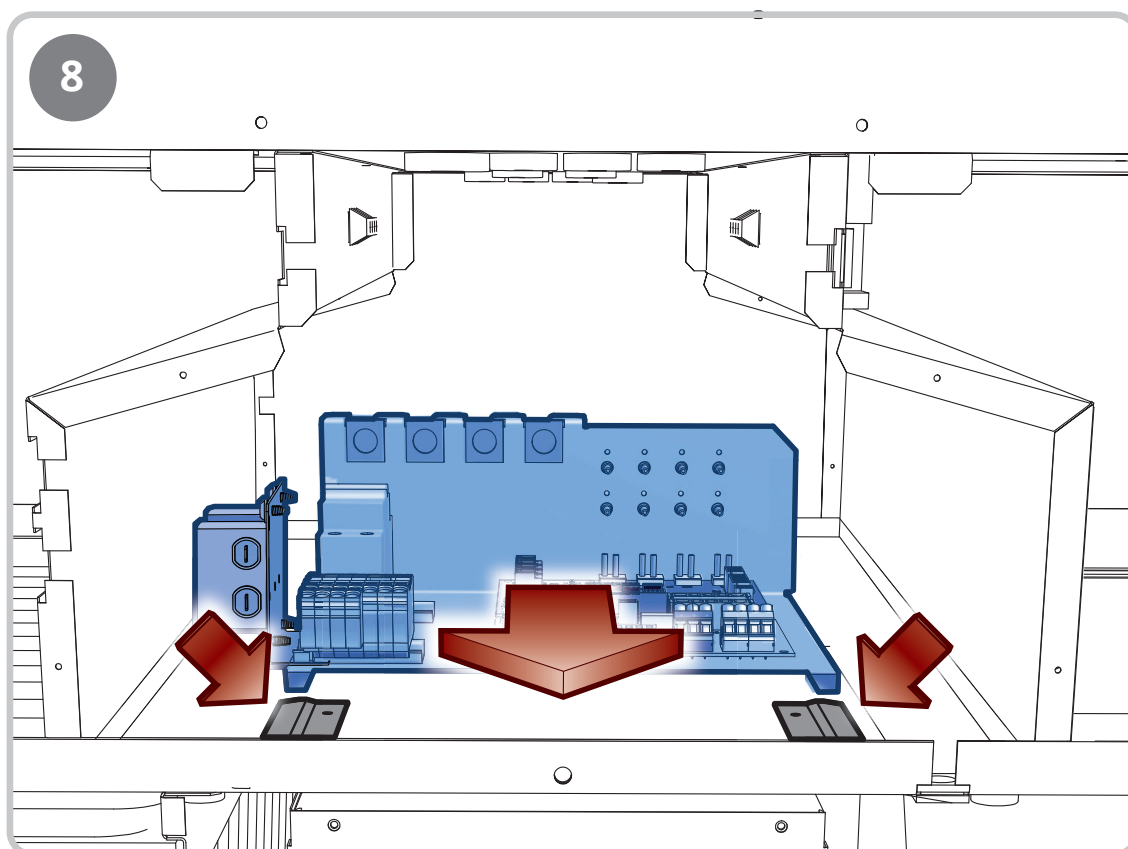
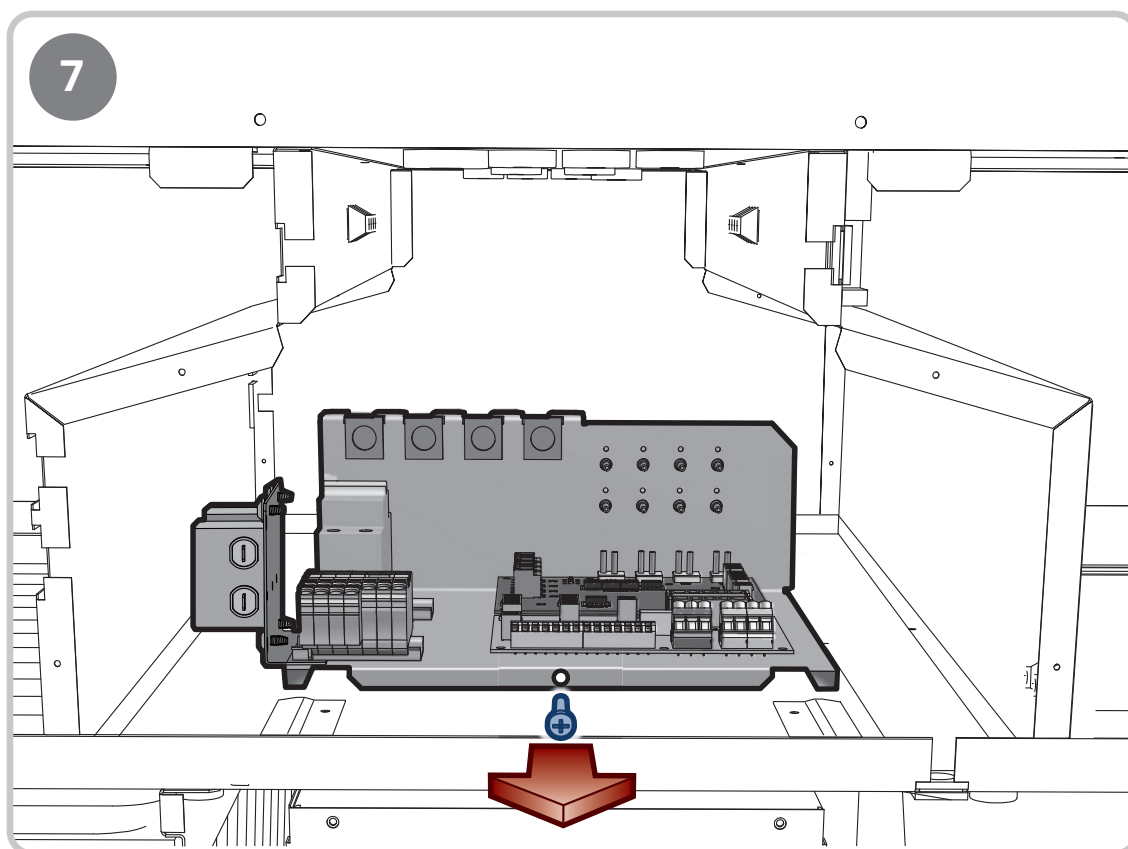


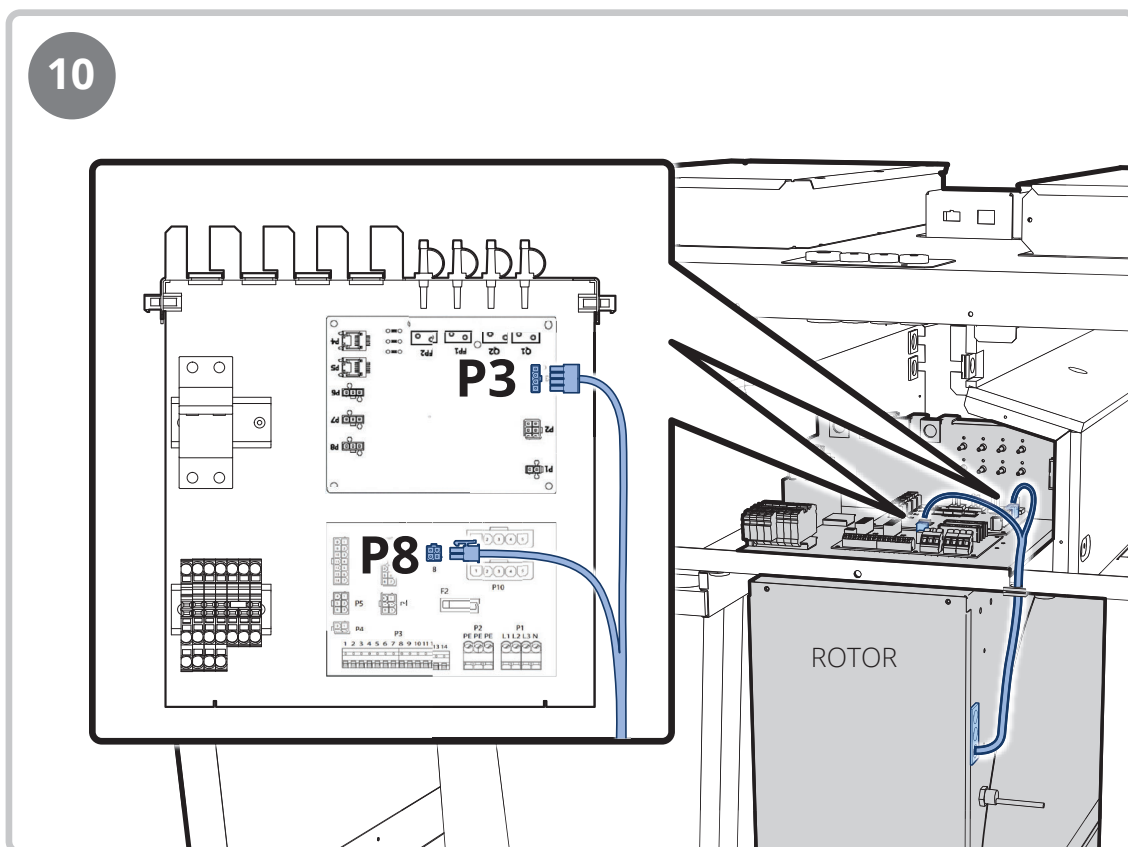
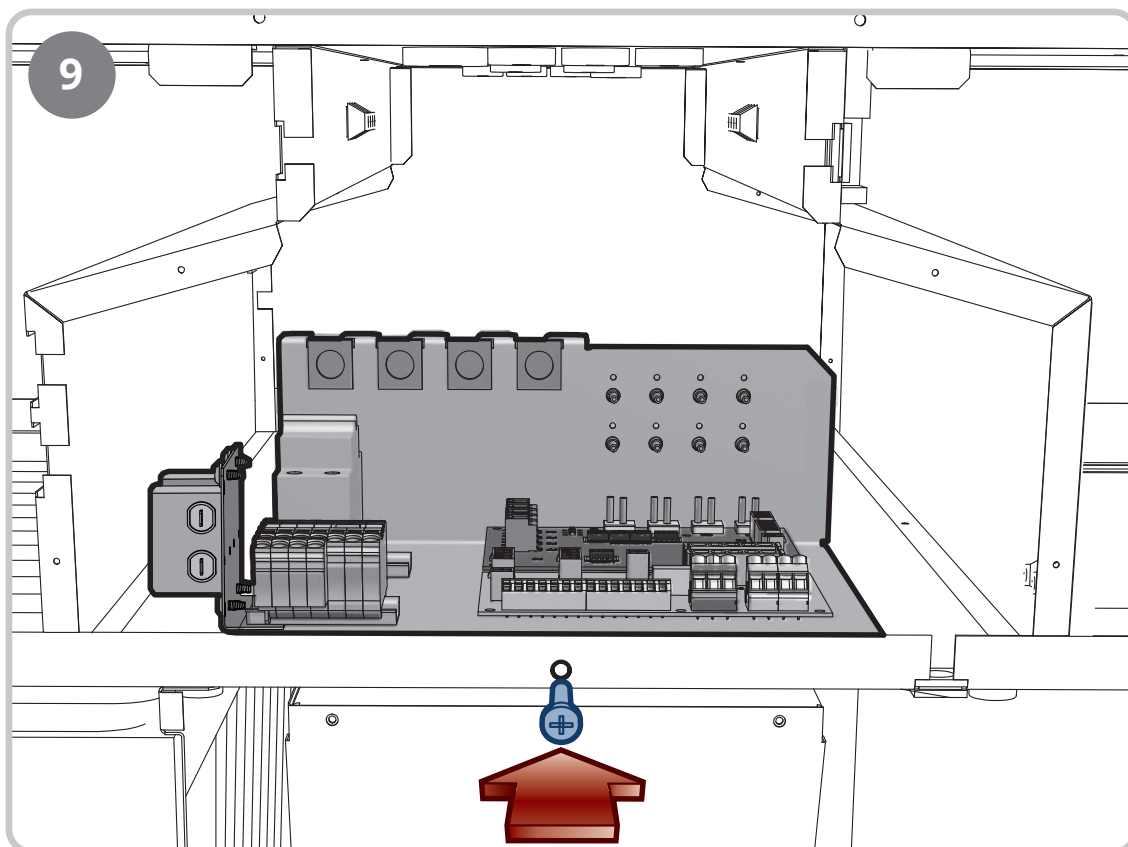
### 3.2. Configuration for left model











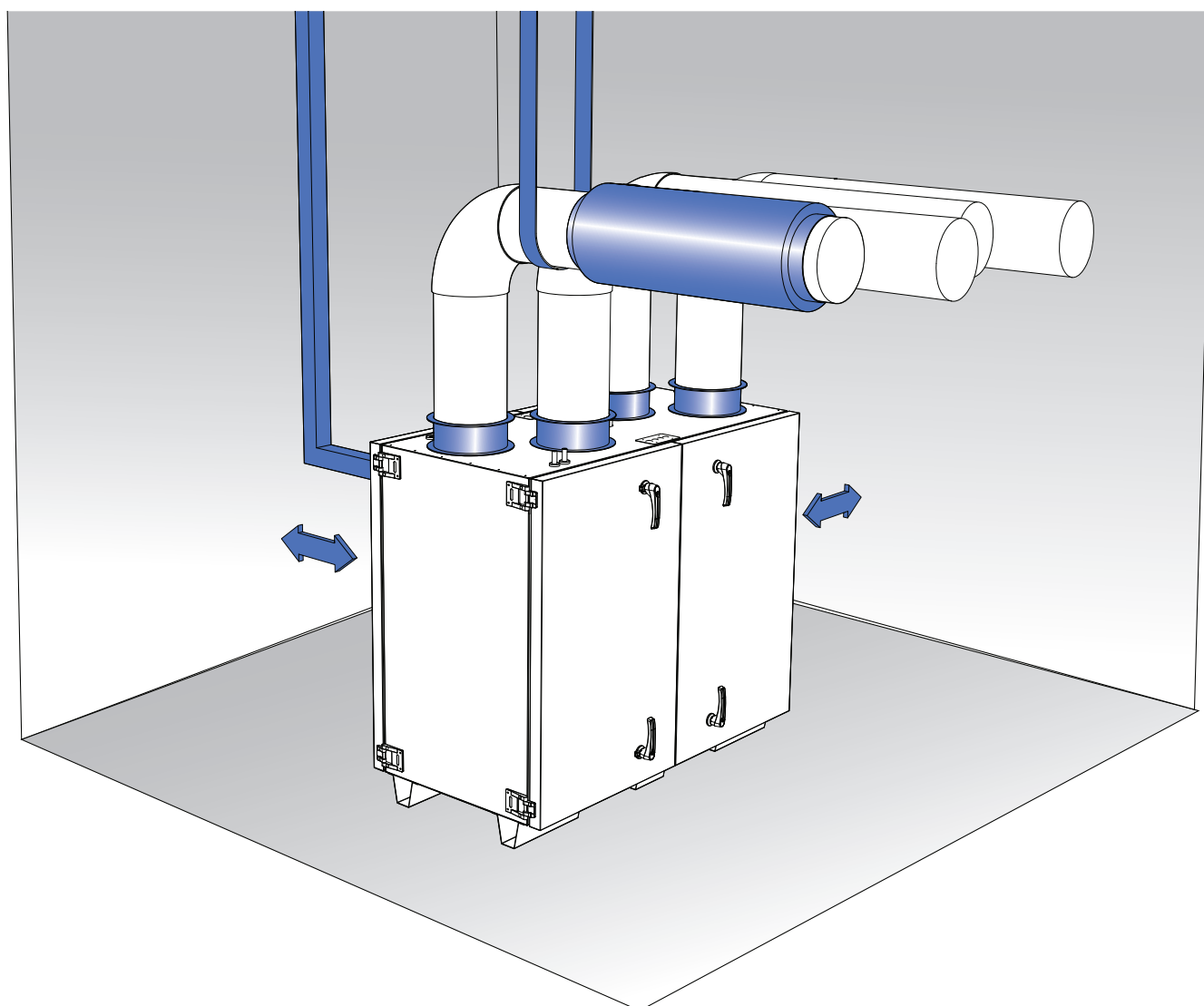
## 4. Assembly

The unit must be placed in a dry location protected from the weather.



**INFO!** The space required for the servicing of the model is described in chap. 10.2. Space requirements page 29.

|      |        |
|------|--------|
|      |        |
| must | should |



**Closing air damper with spring loaded closing**

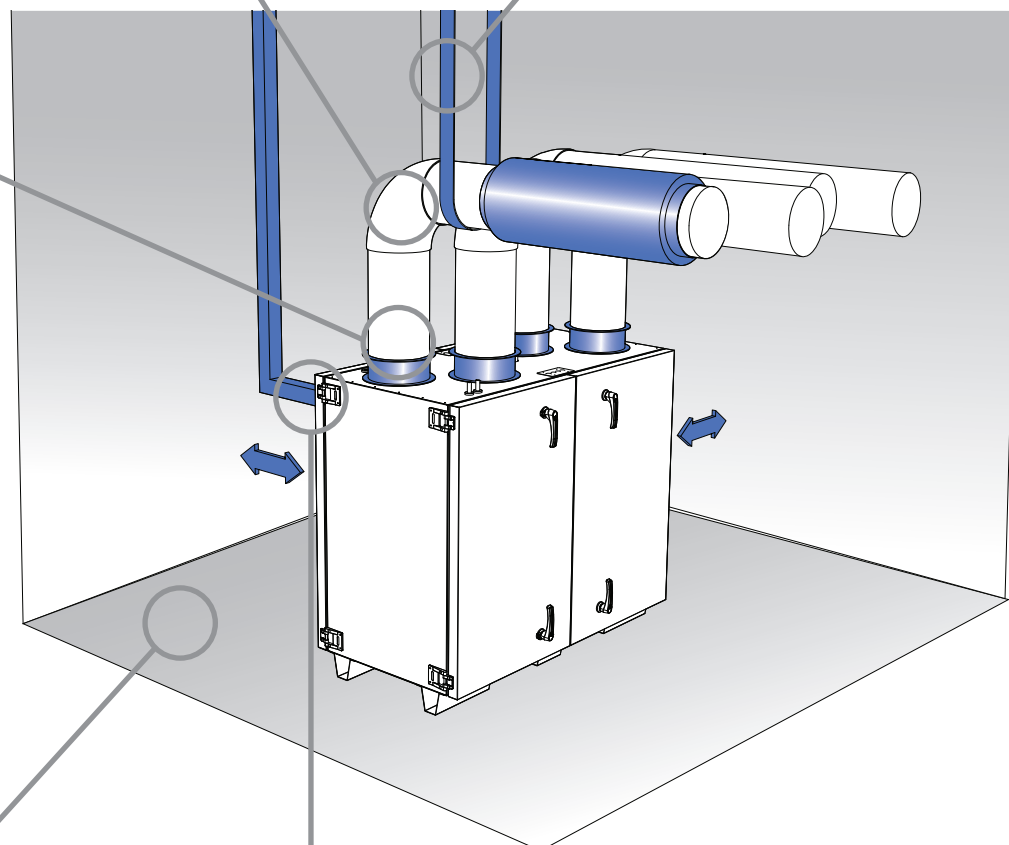
Must be installed on outdoor air and exhaust ducts when a water heating coil is used.

**Insulation**

Outdoor air and exhaust ducts must be insulated to avoid condensation. If the unit is in a cold location, the supply air and extract air ducts must also be insulated.

**Duct**

Support required. The unit cannot support the weight.



**Floor**

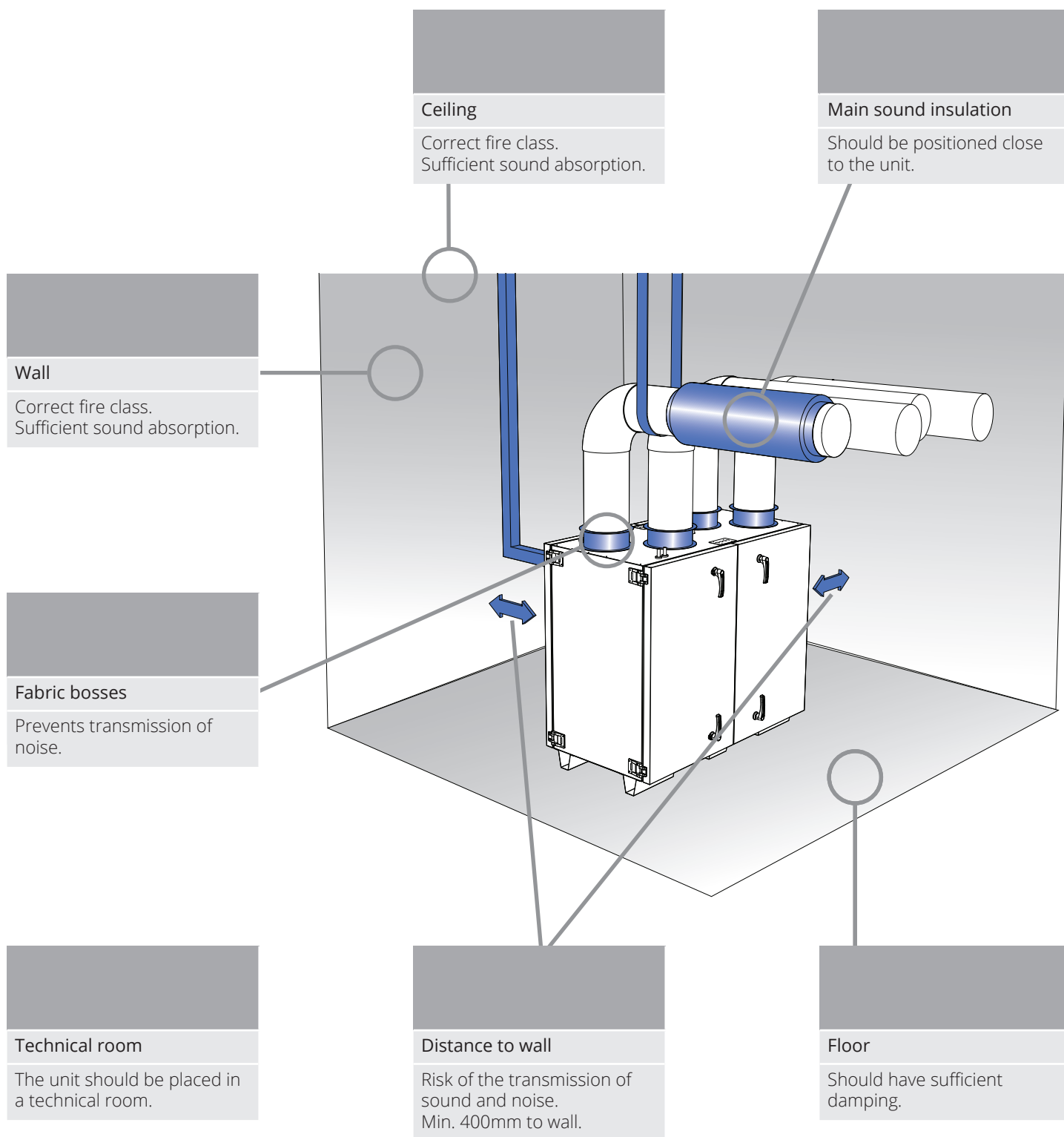
The floor must have a drain point if a water battery is installed.

**Electrical power connection**

Any cable tray must be connected with vibration suppression to the unit

**Environment**

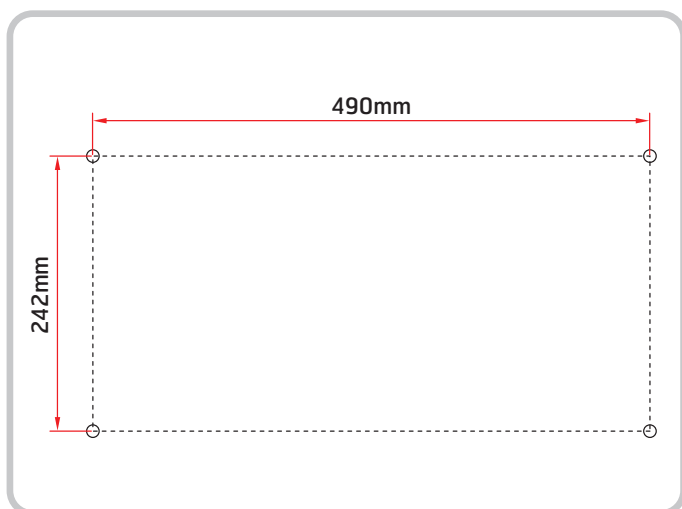
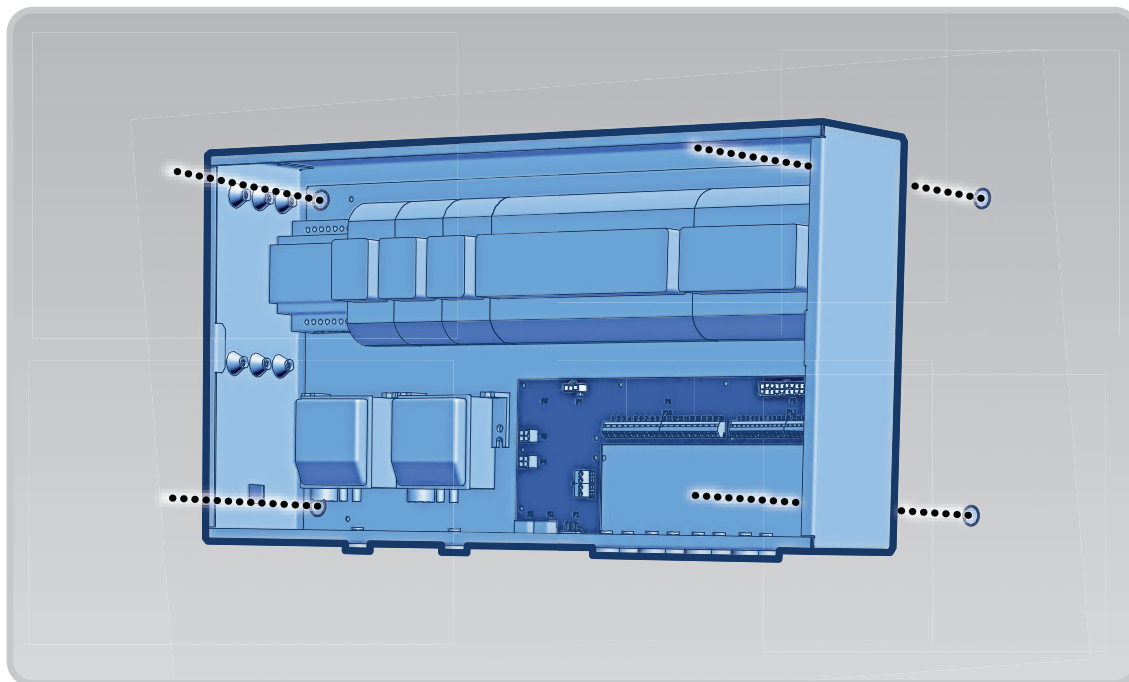
The unit must be in a dry place.



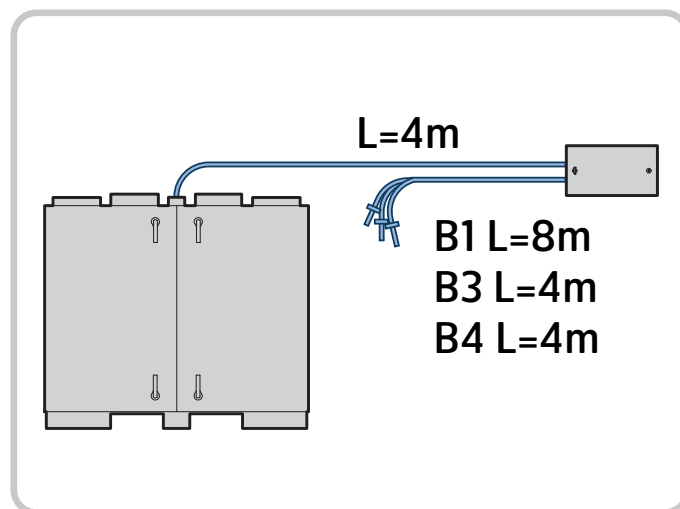


## 5. Control cabinet

### 5.1. Wall mounting



Hole positioning for attachment of cabinet

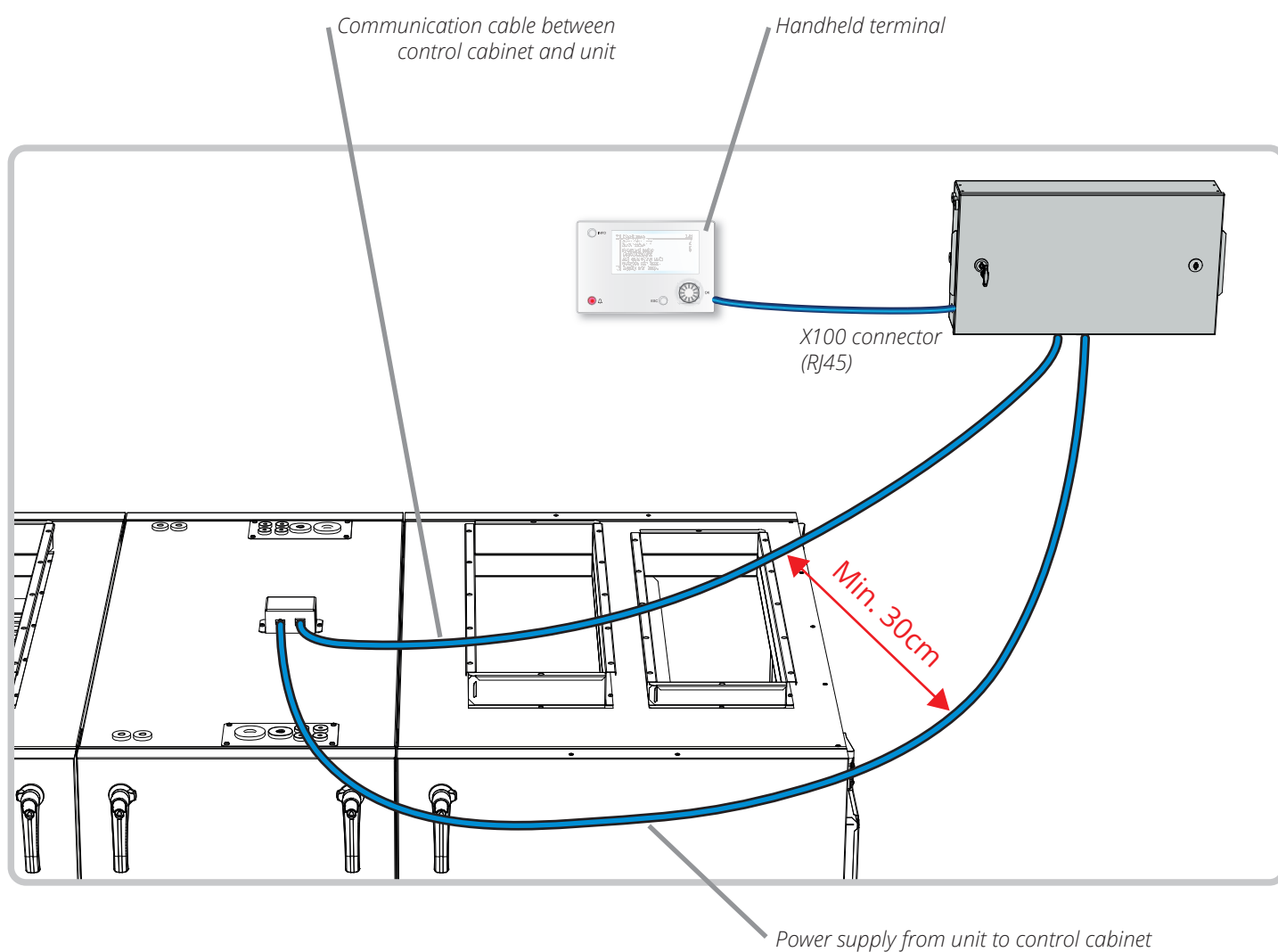


Cable length, unit - cabinet

## 5.2. Mounting to unit



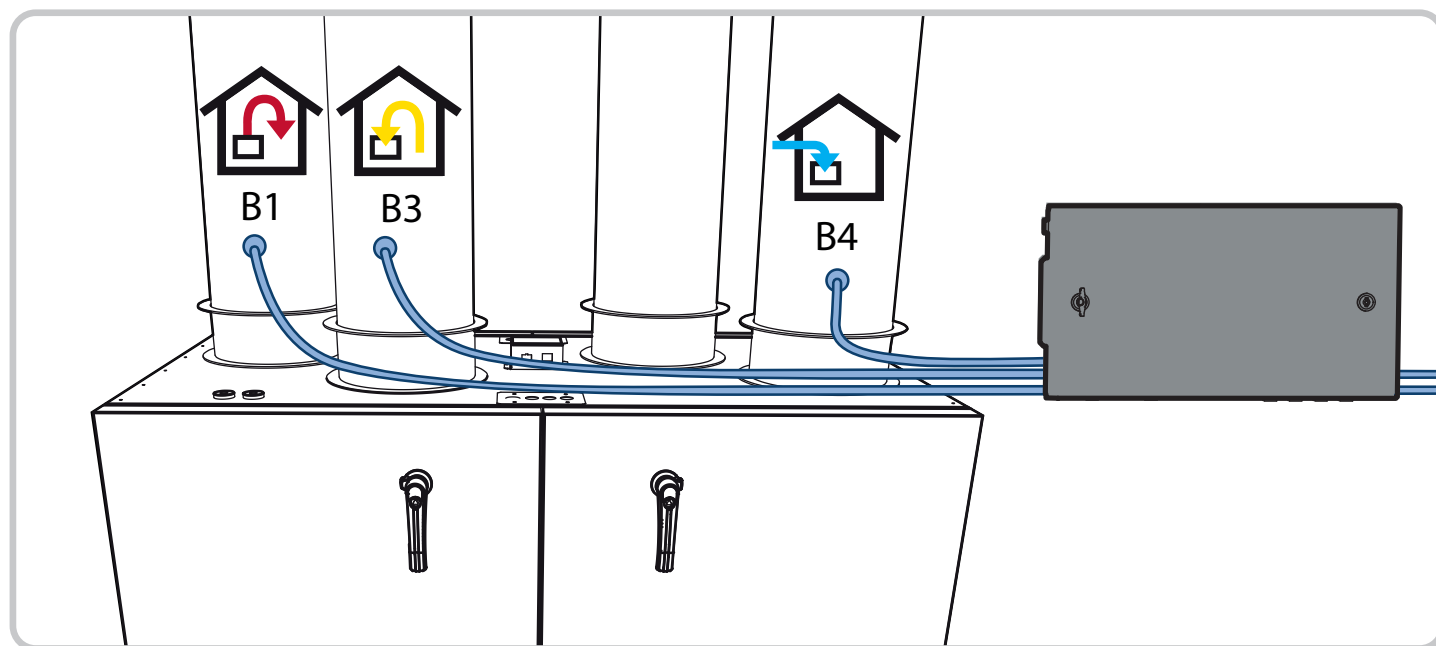
**CAUTION!** The communication cable and power cable must be at least 30 cm apart.



## 6. Connection of sensors

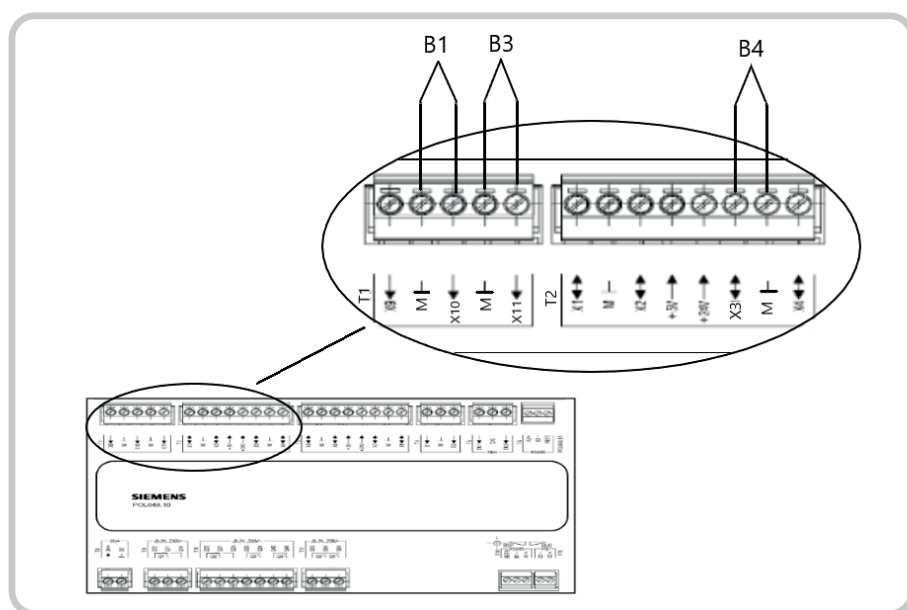
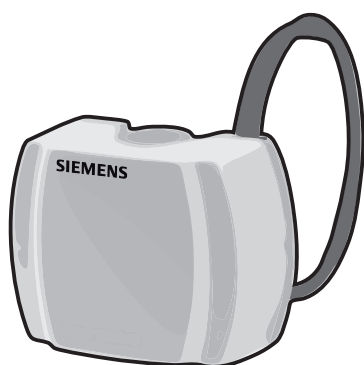


The sensors must not be positioned in, or in the vicinity of a duct bend.

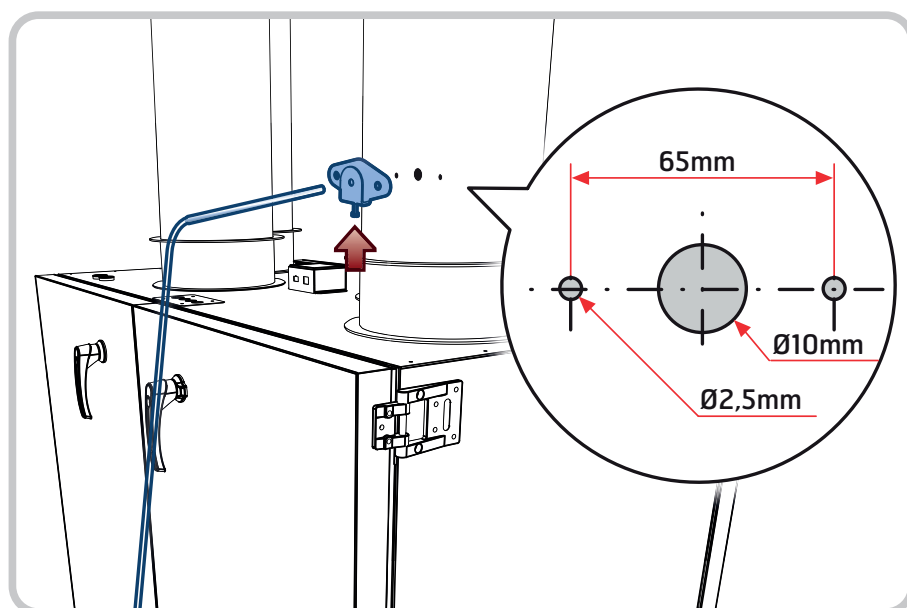


*Shown in right configuration*

## 6.1. Supply air sensor (B1)




## 6.2. Outdoor air sensor (B4) and extract air sensor (B3)




## 7. Electrical work


The internal components of the unit such as electronics, fans and the rotor are protected internally with a miniature circuit breaker.  
NB! Any electric heating coil is not protected by this.




All electrical installations and cabling must be installed in compliance with relevant regulations by an authorised electrician.  
Ensure that the unit is disconnected from the power supply before maintenance and/or electrical works.



118076 automatic control instructions  
118109 wiring diagram  
See chap. 10. Reference data page 29



The unit must be disconnected before an insulation test on the property.

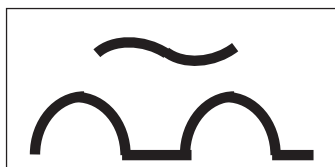


The power supply to the unit must be connected via an all-pole safety switch with at least 3 mm switching distance. This is not part of the supply from Flexit.

### 7.1. Main supply (mains cable)

See section 15 Technical data for dimensions of fuses and connection cables. See also chap. 8. Main connection page 26 for more information about connection to 3N~400 V versus 3~230 V.

### 7.2. Earth-leakage circuit breaker



A earth-leakage circuit breaker should be installed if the leakage current for the unit exceeds 10 mA and is of type B, which also works if there are DC components. See the symbol.

### 7.3. Leakage current

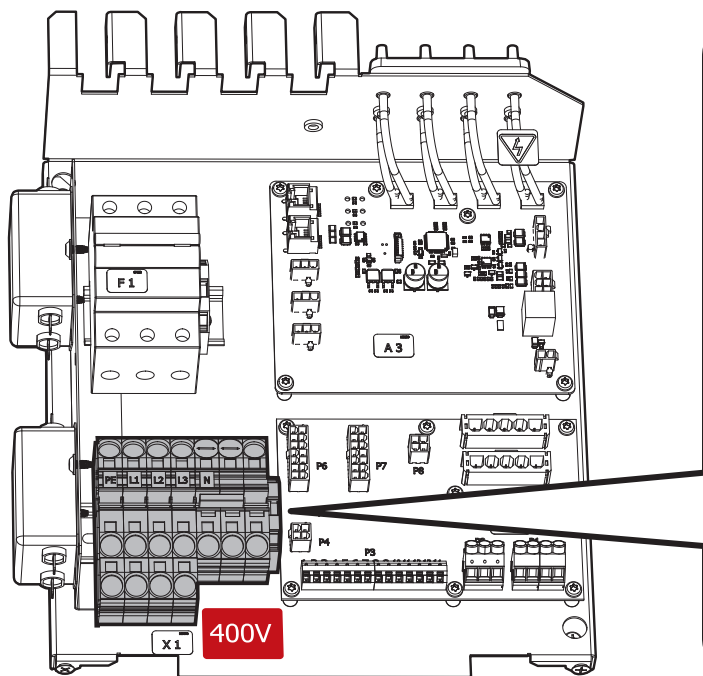
Leakage current at full load is 10.4 mA.

## 8. Main connection

Incoming electrical cables are connected to the terminal below, which is adapted to the relevant mains network. 3 N~400 V is standard. The unit can be converted to 3~230 V. This applies only in Norway.

The F2 fuse is a glass fuse, 6.3A, 250V.

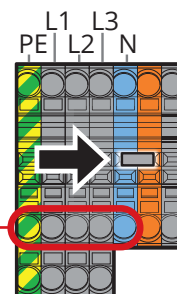
The main fuse is a miniature circuit breaker of type MCB C10 3P 10 kA.



### 3N~400V

The bridge is located between the blue and orange terminal blocks.

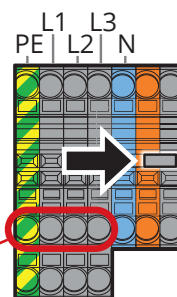
Cable connection



### 3~230V

Place the bridge between the orange and grey terminal blocks as shown in the figure. Place a blue label over the red label on the terminal panel.

Cable connection



## 9. Commissioning



The unit must not be started until all documentation has been studied and all electrical fitting and plumbing work has been performed.



Refer to guideline 118076 for more information on start up and use of the control system.

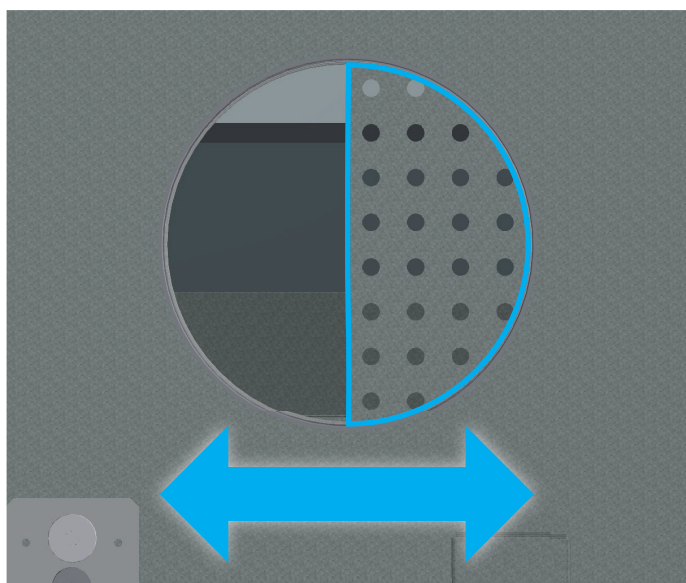
|    |   |
|----|---|
| 1  | Familiarise yourself well with the documentation for the automatic control system   |
| 2  | Check that the network settings are correct. For 230V 3~Phase, the unit and electric battery (if installed) must be switched *.                         |
| 3  | Start the unit as described in the documentation for the automatic control.   |
| 4  | Program the various operating times and speeds (possibly including stop)  |
| 5  | Check that the correct temperature regulation and temperature settings have been selected. Are the sensors located correctly?                           |
| 6  | Check that the fans rotate freely.  |
| 7  | If outdoor air dampers and extract air dampers are installed, check that they are working. The unit must not be operated with closed air dampers!       |
| 8  | Check that all doors are properly closed.   |
| 9  | Check that the heat recovery system works correctly.  |
| 10 | If a heating battery is installed, check that the heat control is working correctly.  |
| 11 | If the unit has a water battery, you must test the frost function. Cool the frost sensor to below 5 °C. The unit should stop and the air dampers close. |

\* The electric battery is not preconfigured as either 230 or 400V. It must always be jumpered when it is connected.

## 9.1. Adjustment of throttle dampers

### Adjust the pressure balance over the rotor

To set the correct pressure balance over the rotor and minimise the risk of leakage between extract air and supply air, an adjustment air damper is fitted to the extract air muff on the unit. This can be adjusted to prevent extract air from leaking over to the supply air via the rotor.



*throttle =  
less leakage*

*open =  
more leakage*

Hoses for pressure measurement are installed on the top of (L models) or inside (S models) the unit.



**NOTICE!** If the damper is not to be used, it should be removed from the unit - otherwise it may decrease the amount of air from the unit.

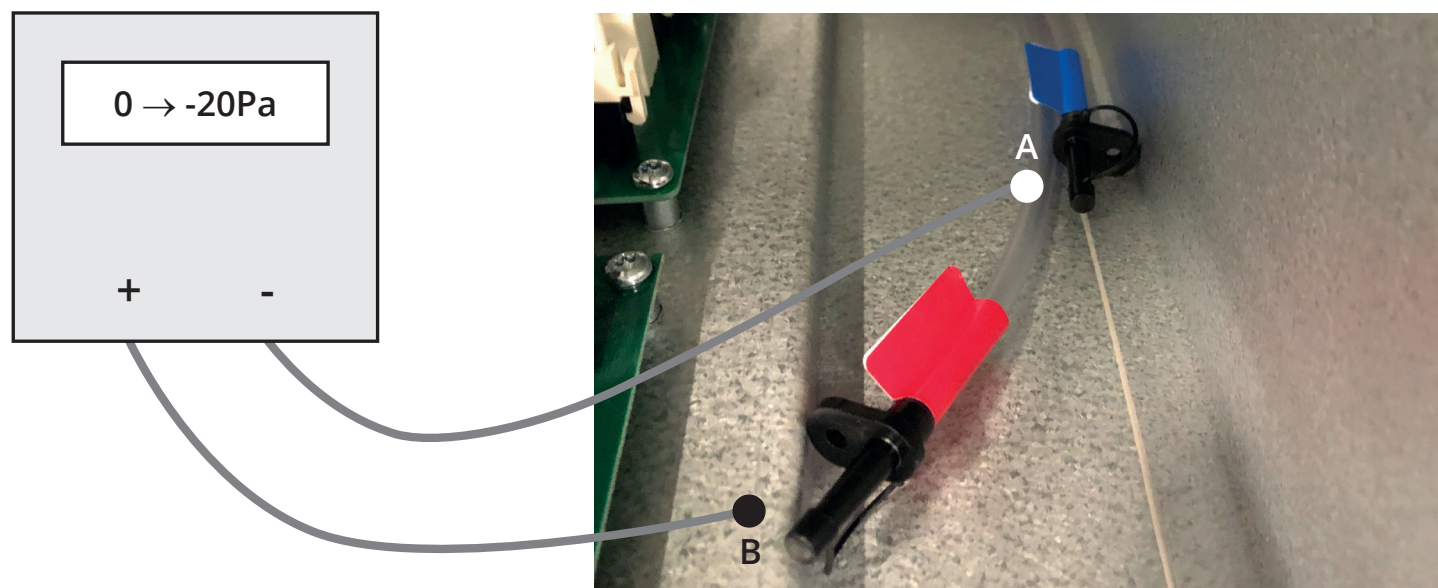


Attach the damper with the intended screws.

Connect the pressure gauge with the -hose to A (blue hose in the unit) and the +hose to B (red hose in the unit). Run the unit at the correct operating point for the system in question.

The negative pressure in the extract air part must be 0–20Pa higher than in the supply air part (the instrument must display negative pressure).

If it is not, adjust with air damper DA3 (on the extract air muff) until the correct pressure is reached.





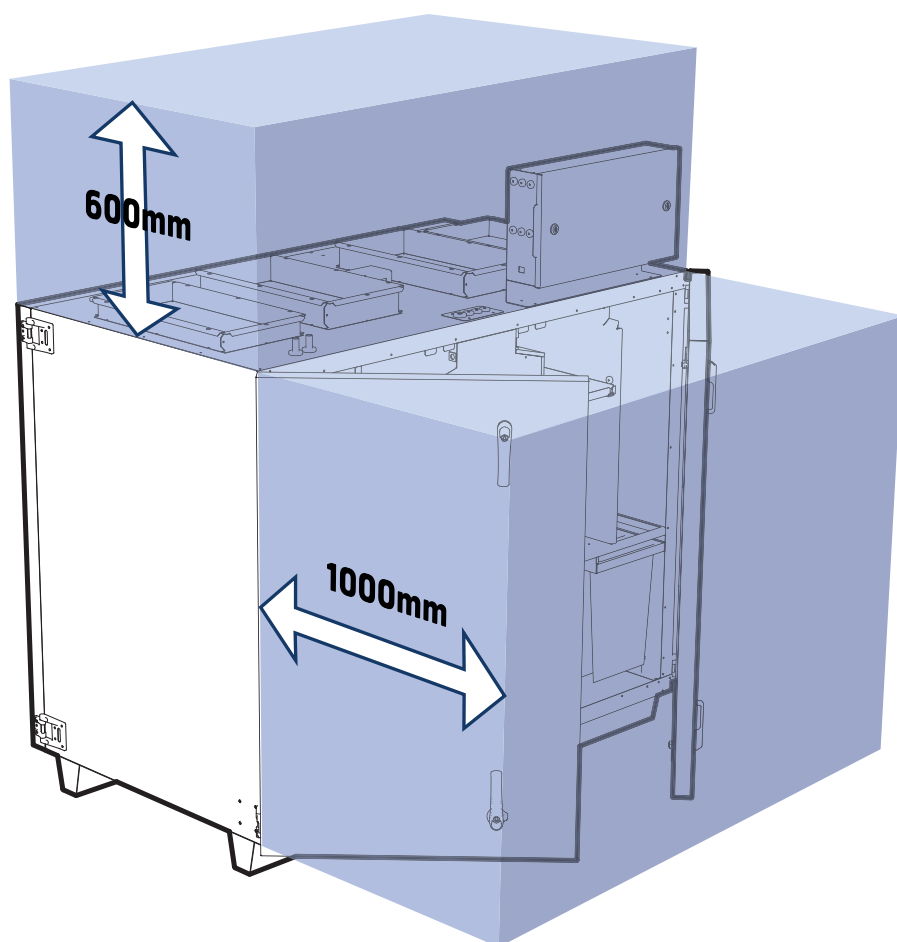
## 10. Reference data

### 10.1. Weight

| Gross unit weight | Fan       | Heat recovery system | Doors       | Net inward transport |
|-------------------|-----------|----------------------|-------------|----------------------|
| 230 kg            | 2 x 11 kg | 39 kg                | 4 x 13,5 kg | 106 kg               |

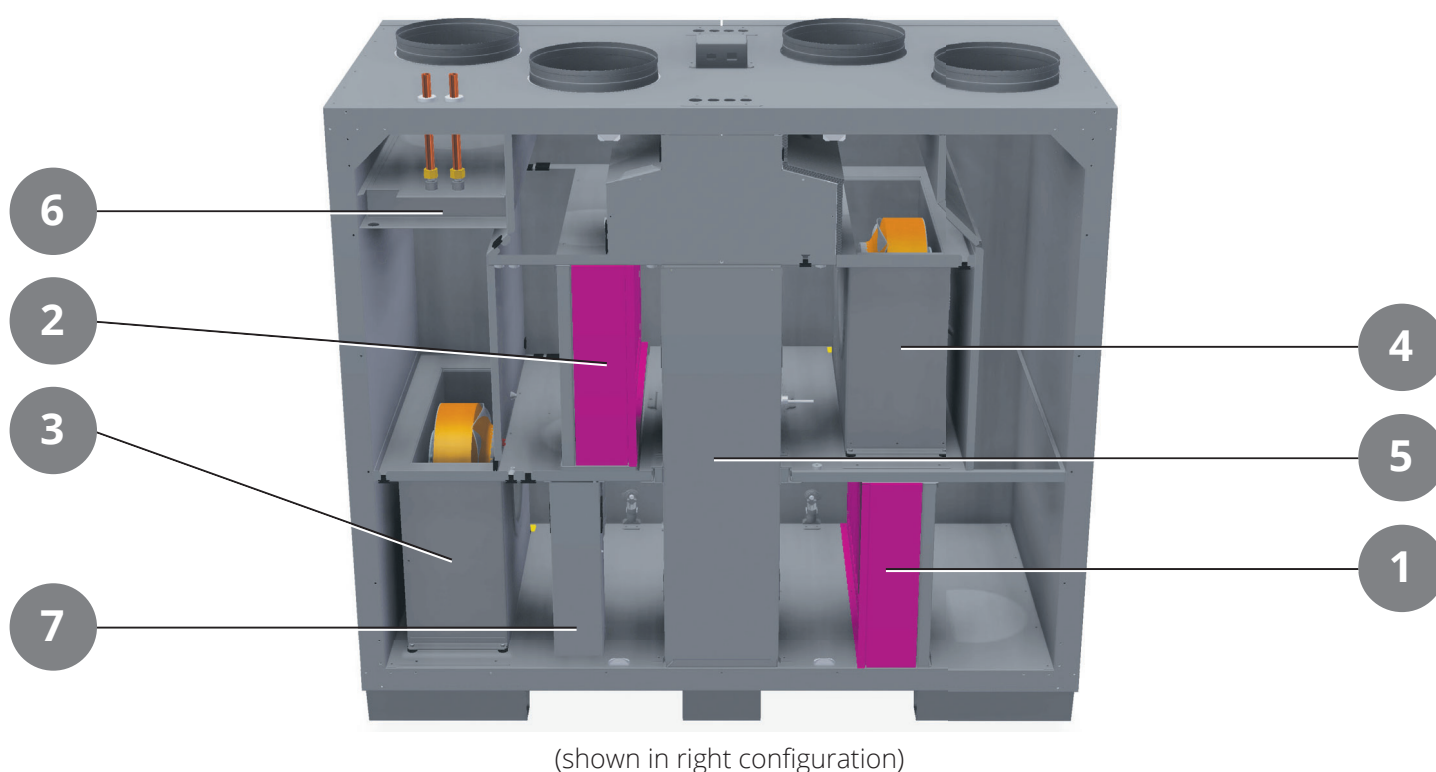
### 10.2. Space requirements

**i** This is a minimum requirement that only relates to space for service needs. Individual countries' statutory requirements for electrical safety may differ from this. Check which rules apply to your country.



## 11. General drawing

| No. | Abbreviation | Description                      |
|-----|--------------|----------------------------------|
| 1   | FI1          | Supply air filter                |
| 2   | FI2          | Extract air filter               |
| 3   | M1           | Supply air fan                   |
| 4   | M2           | Extract air fan                  |
| 5   | HR-R         | Rotary wheel-type heat exchanger |
| 6   | WB1          | Heating battery, water           |
| 7   | EB1          | Heating battery, electrical      |



## 12. System drawing

| Abbreviation | Description   |
|--------------|---|
| M1           | Supply air fan  |
| M2           | Extract air fan   |
| M4           | Rotor motor   |
| FI1          | Supply air filter                                       |
| FI2          | Extract air filter                                      |
| PF1          | Supply air filter relay                                 |
| PF2          | Extract air filter relay                                |
| PG1          | Supply air fan pressure relay                           |
| P4           | Supply air external pressure sensor                     |
| P5           | Extract air external pressure sensor                    |
| B1           | Supply air temperature sensor                           |
| B3           | Extract air temperature sensor                          |
| B4           | Outdoor air temperature sensor                          |
| B5**         | Temperature sensor, water heating battery (frost relay) |

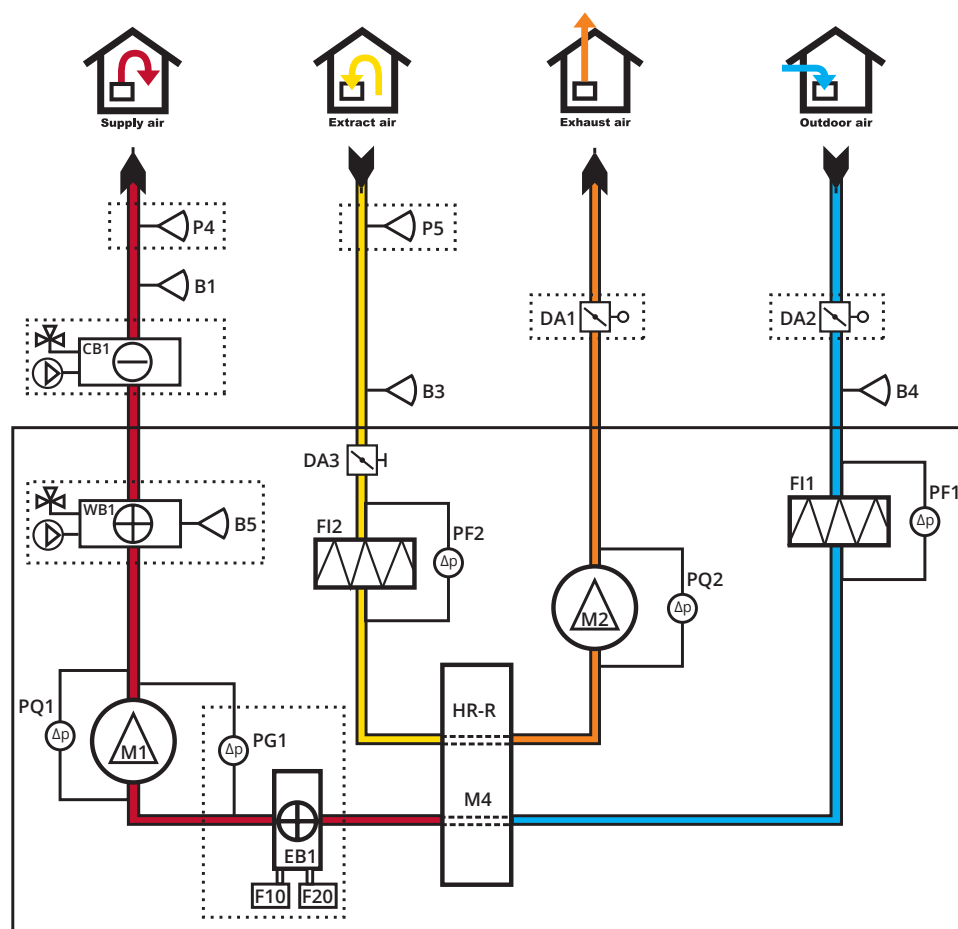
| Abbreviation | Description                             |
|--------------|---|
| F10*         | Overheating thermostat, manual reset    |
| F20*         | Overheating thermostat, automatic reset |
| DA1***       | Exhaust air damper                      |
| DA2***       | Outdoor air damper                      |
| DA3          | Damper, pressure equalisation           |
| HR-R         | Rotary wheel-type heat exchanger        |
| WB1**        | Heating battery, water                  |
| EB1***       | Heating battery, electrical             |
| CB1***       | Cooling battery                         |
| PQ1          | Supply air fan pressure sensor,         |
| PQ2          | Extract air fan pressure sensor         |

*\*On circuit board in electrical compartment*

*\*Only where use of electric battery*

*\*\*Only if water battery is installed*

*\*\*\*Not standard*

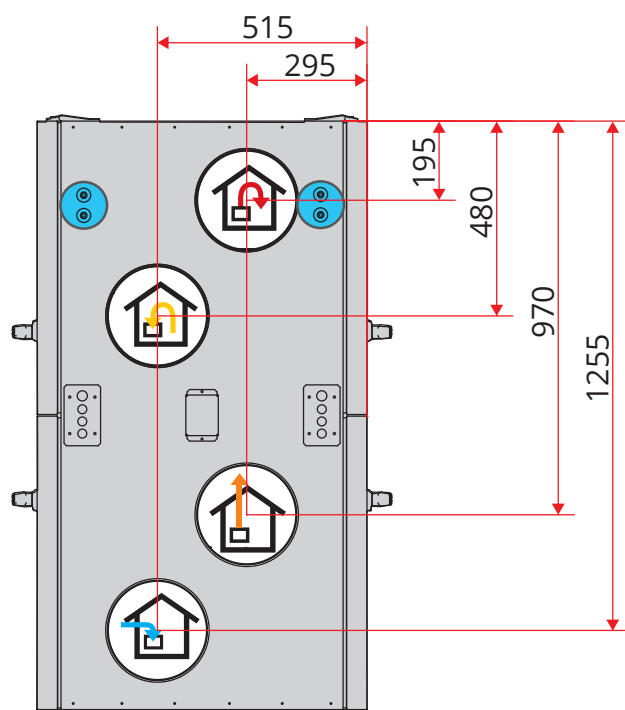
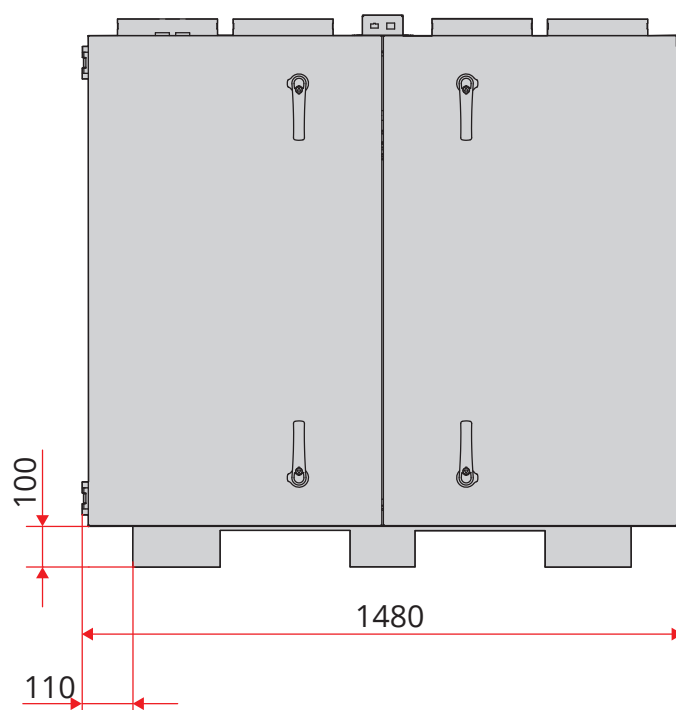
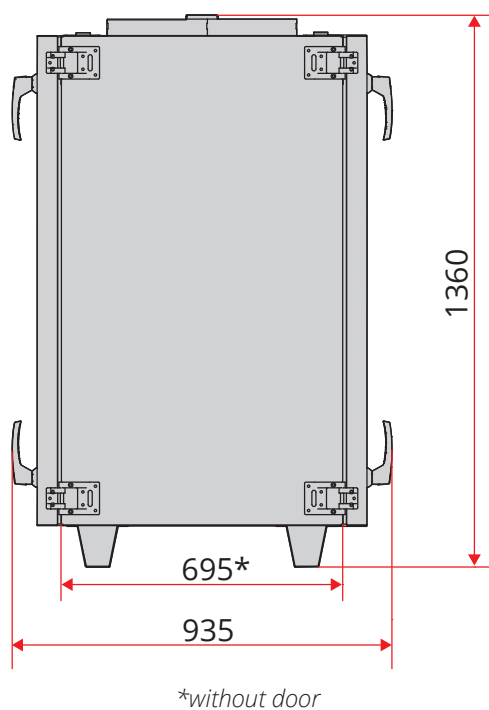


(shown in right configuration)

The unit can only have one heating battery - water or electric.

### 13. Dimensioned drawing

Dimensions in mm.



The dimensions are the same on both end sides.

## 14. Maintenance

### 14.1. General maintenance



All electrical power to the unit must be shut off before carrying out service or maintenance.

1. Switch off the unit in the following menu on the handheld terminal:  
Start page > SERVICE SWITCH  
- select OFF.
2. Wait until the unit has stopped.
3. Switch off the all-pole switch.



The system should be inspected regularly. This must be performed by qualified operating personnel.



The inspection should be performed twice a year, preferably in the spring and autumn.



If a water battery is used to heat the air, check the system for water leaks.



Listen for abnormal sounds and check for abnormal vibrations. Check at regular intervals that the air intake is free of snow and leaves.



The inspection and maintenance of fans, recovery systems, air dampers, filters and heating batteries are essential to achieve optimal performance.

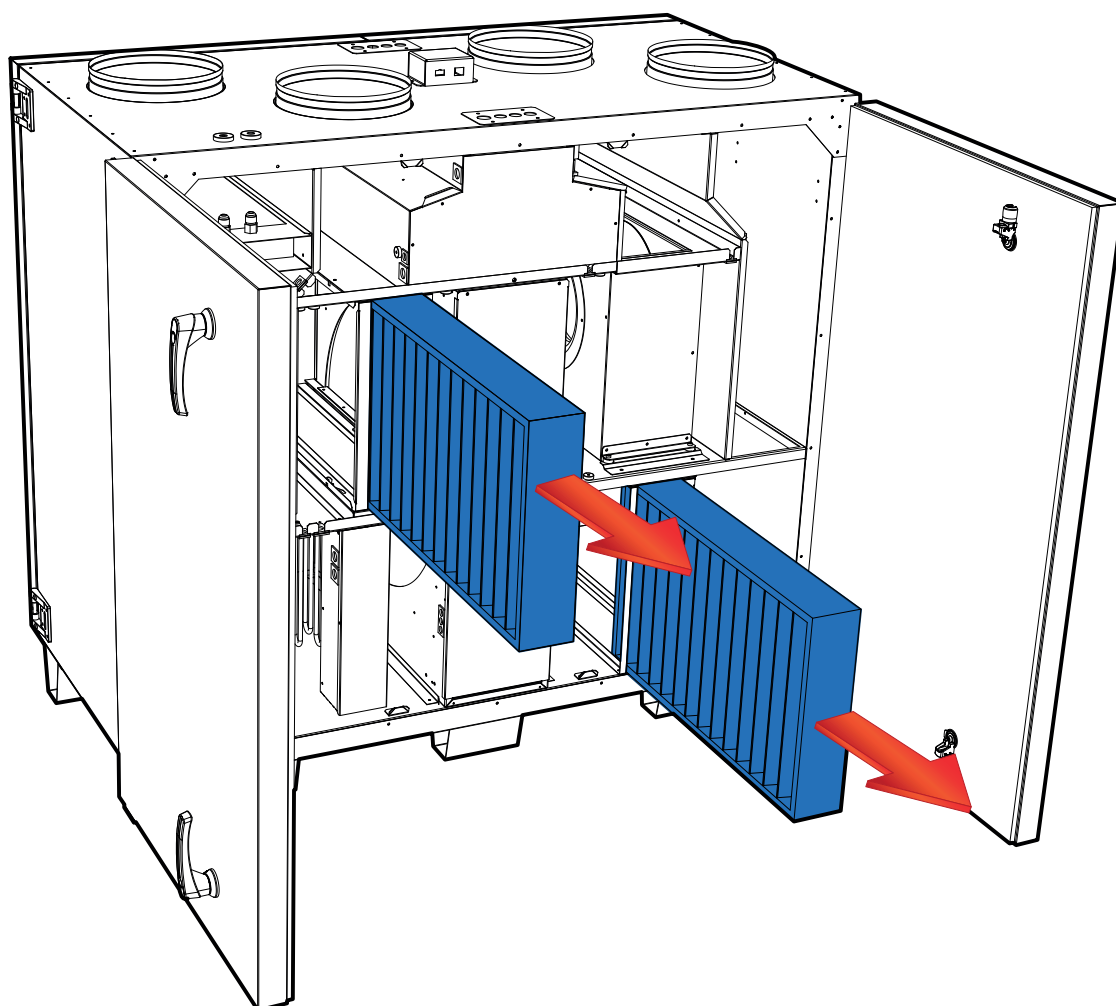


Do not use detergent that is harmful to aluminium or the environment.

| Component        | Action   | Interval         |
|------------------|--|------------------|
| Rotor            | High impermeability filters are installed in the unit. It is not therefore usually necessary to clean the rotor. If it should however be necessary, dust can be removed with a soft brush. Further cleaning is possible by removing the rotor, spraying it with a grease solvent and then blowing it clean from the opposite side. Distance approximately 60 mm and max. pressure 8.0 bar. Check the drive belt and tighten it if necessary. Check that all seals around the rotor are intact and tight. | Where required   |
| Filtre           | How frequently filters need replacing depends on the dust concentration in the air that passes through the filters. It is very important to replace filters to ensure that the system works properly. Filters must be replaced when the filter replacement lamp on the control panel lights up. They must be replaced at least once a year.  | 1-2 times a year |
| Electric battery | Inspect the cables to the electric battery at least twice a year. Check for damaged cables and components. Check tighten all terminal blocks for power supply to the electric battery (elements, contactors, SSR) and other terminal blocks.   | Twice a year     |
| Water battery    | The water battery will be exposed to dirt very rarely, as the system has filters fitted with a high tightness class. If cleaning still is necessary, you can use compressed air, which is blown in the opposite direction to the air flow, or a vacuum cleaner with a soft nozzle. Cleaning must be done carefully to ensure that the battery's fins are not damaged.  |                  |
| Fans             | The fans will be exposed to dirt very rarely, as the system has filters fitted with a high tightness class. If cleaning still is necessary, you can use compressed air, which is blown in the opposite direction to the air flow, or a vacuum cleaner with a soft nozzle. Cleaning must be done carefully to ensure that the battery's fins are not damaged.   | Where required   |

## 14.2. Replacing filters

CS 2500 filter alarm  
1-2 times a year



## 15. Technical data

|             | $\eta$ | SFP   | Duct resistance | Airflow  |
|-------------|--------|-------|-----------------|----------|
| PERFORMANCE | > 86 % | < 1.5 | 180 Pa          | 700 m³/h |

|       |                                    | S100R with electric battery | S100R with water battery |
|-------|------------------------------------|-----------------------------|--------------------------|
| POWER | Rated voltage (AC 50 Hz)           | 400 V                       | 400 V                    |
|       | Frequency                          | 50 Hz                       | 50 Hz                    |
|       | Recommended fuse size              | 3 x 16 A                    | 3 x 10 A                 |
|       | Rated current                      | 8,3 A                       | 3,1 A                    |
|       | Rated power, total                 | 4 810 W                     | 1 210 W                  |
|       | Rated power, max. electric battery | 3 600 W                     | -                        |
|       | Rated power, fans                  | 2 x 500 W (230 V)           | 2 x 500 W (230 V)        |
|       | Rated power, rotor motor           | 40 W                        | 40 W                     |

|             |                                      |                |                |
|-------------|--------------------------------------|----------------|----------------|
| VENTILATION | Fan type                             | B-wheel        | B-wheel        |
|             | Fan motor control                    | ModBus         | ModBus         |
|             | Fan speed, max. RPM                  | 2 700          | 2 700          |
|             | Automatic control, standard          | CS 2500        | CS 2500        |
|             | Filter class                         | ePM1 55% (F7)  | ePM1 55% (F7)  |
|             | Filter type (supply air/extract air) | Compact filter | Compact filter |

|            |                                  |                    |                    |
|------------|----------------------------------|--------------------|--------------------|
| DIMENSIONS | Filter dimensions (W x H x D)    | 695 x 405 x 100 mm | 695 x 405 x 100 mm |
|            | Gross unit weight                | 230 kg             | 230 kg             |
|            | Net unit weight inward transport | 106 kg             | 106 kg             |
|            | Weight, fan                      | 2 x 11 kg          | 2 x 11 kg          |
|            | Weight, rotor                    | 39 kg              | 39 kg              |
|            | Weight, doors                    | 4 x 13,5 kg        | 4 x 13,5 kg        |
|            | Duct connection                  | Ø 250 mm           | Ø 250 mm           |
|            | Height                           | 1 360 mm           | 1 360 mm           |
|            | Width                            | 1 480 mm           | 1 480 mm           |
|            | Depth (with håndtage)            | 935 mm             | 935 mm             |
|            | Depth (without doors)            | 695 mm             | 695 mm             |

ProNordic S100R:

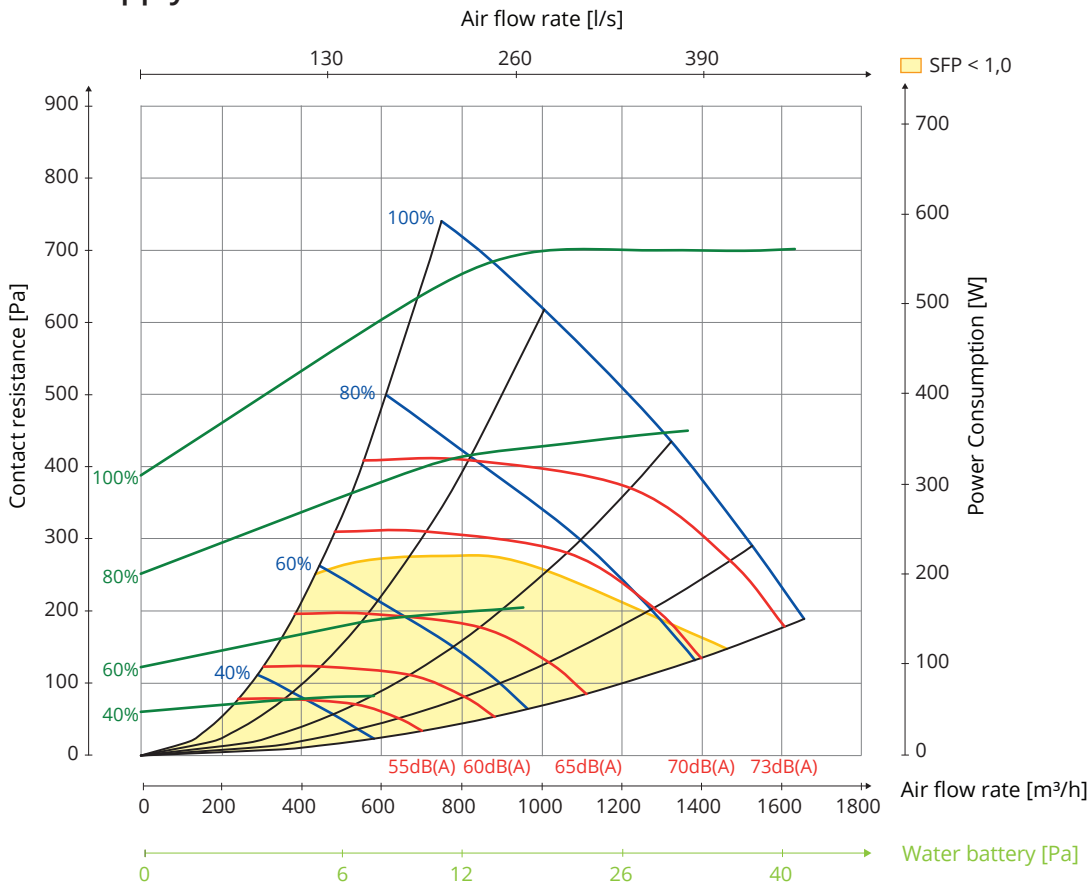
K factor for the fans: 74



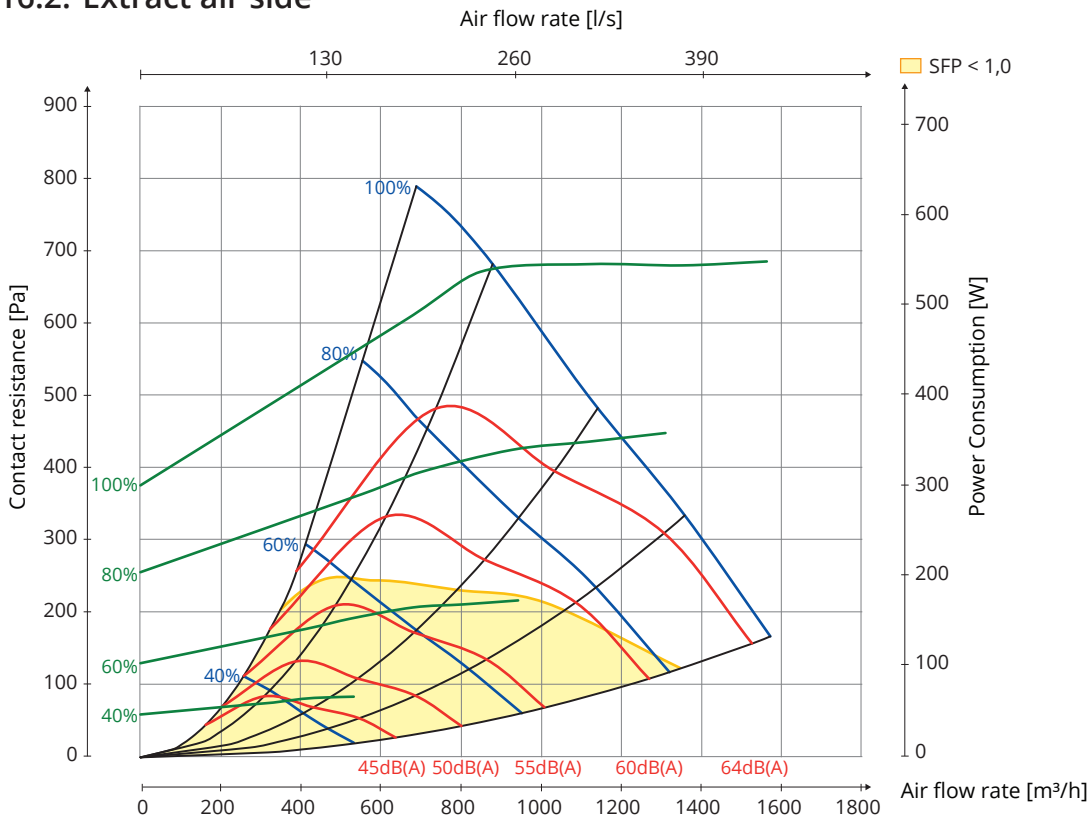
## 16. Capacity and sound data

For control and calculation of SFTINT and SFPLimit use FlexitSelect.  $L_w(A)$  is below 70 dB(A).

### 16.1. Supply air side



### 16.2. Extract air side



## Using the capacity diagram:

A diagram consists of a number of curves and axes which allow various types of data to be read off for the unit.

### 1. Capacity curves (blue)

These curves show the total available pressure and the air flow rate characteristic for the unit. The available pressure is read off to the left of the diagram. The air flow rate is read off in m<sup>3</sup>/h at the bottom of the diagram and in l/s at the top of the diagram.

The various curves indicate different settings in % applied (0 – 100% = 0 – 10 V).

### 2. Operation curves (black)

These curves show how air flow rate and pressure change at different operating levels (fan speed).

### 3. Power consumption curves (green)

These curves show energy consumption for the fan at each operating level in watts. The power consumption is read off the scale to the right of the diagram. The various curves indicate different settings in % applied (0 – 100% = 0 – 10 V).

### 4. Sound curves (red)

These curves indicate values for the sound power level L<sub>WA</sub> of the duct at the various operating levels. To find the sound power level of the duct in the various octave bands, take the value read off in the diagram and correct it using the values in the table below the diagram for each octave. This produces the sound power level per octave.

### 5. Correction axes (light green)

Here you can read off the change in pressure when a water battery is used for heating. This pressure drop is deducted from the available pressure. This pressure increase is added to the available pressure.

Data for supply air is measured in accordance with ISO 5136, the "In-duct method". Radiated sound is measured in accordance with ISO 9614-2.

Bruel & Kjaer measuring equipment, type 2260.

## 16.3. Correction factor for L<sub>w</sub>

| Hz             | 63<br>Lw(dB) | 125<br>Lw(dB) | 250<br>Lw(dB) | 500<br>Lw(dB) | 1000<br>Lw(dB) | 2000<br>Lw(dB) | 4000<br>Lw(dB) | 8000<br>Lw(dB) | L <sub>WA</sub><br>(dBA) |
|----------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|--------------------------|
| Supply air     | 6            | 5             | 3             | -4            | -6             | -9             | -18            | -20            |                          |
| Extract air    | 17           | 11            | 4             | -14           | -17            | -21            | -28            | -32            |                          |
| Radiated sound | -31          | -22           | -15           | -24           | -25            | -28            | -30            | -37            | -19                      |

Working point 700 m<sup>3</sup>/h against 180 Pa.

#### > EXAMPLE 1

##### Sound to duct in the various octaves is stated in L<sub>w</sub>

The working point gives 60 dBA from the capacity diagram for supply air. I am interested in what this is specifically in the 250 Hz range.

60 dBA + 3 = 63 dB which is an L<sub>w</sub> value (sound power level without adaptation to the ear's A band)

#### > EXAMPLE 2

##### Radiated sound in L<sub>w</sub> per octave

If a reading of 60 dBA at the working point is taken from the supply air capacity diagram (which indicates sound to duct) in order to arrive at a subsequent L<sub>w</sub> value for the various octaves, a deduction is then made from the value for the relevant octave for the row with radiated sound.

60 dBA - 24 (for 500 Hz) = 36 dB, which is an L<sub>w</sub> value and indicates the radiated sound from the unit in this octave.

#### > EXAMPLE 3

##### Radiated sound in total from the unit in L<sub>WA</sub>

At the bottom right of the table, a total value for radiated sound from the unit is stated in L<sub>WA</sub>. This is an aggregate value.

The values for the radiated sound for the different octaves have been totalled up and then corrected for A band.

This is used as follows:

The L<sub>WA</sub> value is read from the supply air capacity diagram, in our example 60 dBA, and this is then subtracted from the total value (this is also an L<sub>WA</sub> value). L<sub>WA</sub> 60 dBA - 19 dBA = 41 dBA (which is then stated in L<sub>WA</sub>, the sound power level adapted to the ear's A band).

## 17. Complaints



Warranty claims will only be valid if the instructions in the manuals have been followed.

This product is covered by warranty in accordance with the current terms of sale, **provided that the product is used correctly and properly maintained.**

The warranty may be rendered invalid if the system is used incorrectly or maintenance is grossly neglected.

Complaints resulting from incorrect or defective installation must be submitted to the installation company responsible.

Filters are consumables.

Our products are subject to continuous development and we therefore reserve the right to make changes.

We also disclaim liability for any printing errors that may occur.

## 18. Waste handling



The symbol on the product shows that this product must not be treated as household waste.

It must be taken to a collection point for recycling electrical and electronic equipment.

By ensuring correct disposal of the equipment, you will help to prevent negative consequences for the environment and health that incorrect handling may entail.

For further information on recycling this product, please contact your local authority, your refuse collection company or the company from which you purchased it.

## 19. CE Declaration of Conformity

This declaration confirms that the products meet the requirements in the following Council Directives and standards:

- 2014/35/EC Low-voltage Directive (LVD)
- 2006/42/EC Machine Directive (Safety)
- 2014/30/EC Electromagnetic compatibility (EMC)
- 2011/65/EU RoHS Directive  
2015/863/EU
- 2009/125/EC Ecodesign Directive

Our products have been tested in accordance with parts of:  
1253/2014/EC Ecodesign Regulation

Producer: FLEXIT AS, Moseveien 8, 1870 Ørje,  
Norway

Type: ProNordic S100R Ventilation Unit

Compliance with valid versions of the following standards on the date on which the declaration of conformity was signed:

|   |   |
|---|---|
| Machine Directive (Safety)  | EN ISO 12100: 2010                          |
| Safety standard – General requirements  | EN 60335-1:2012; A11, A13, A1, A14, A2, A15 |
| Safety standard – Particular requirements   | EN 60335-2-40:2003; A11, A12, A1, A2, A13   |
| EMF standard  | EN 62233: 2008                              |
| EMC standard – General requirements immunity  | EN IEC 61000-6-1:2019                       |
| EMC standard – General requirements emissions   | EN 61000-6-3:2007; A1                       |
| EMC standard – Limits for harmonic currents   | EN 61000-3-12:2011                          |
| Acoustics – Radiated sound  | EN ISO 3741: 2010                           |
| Ventilation for buildings – Rating and performance for units, components and sections | EN 13053: 2019                              |
| Ventilation for buildings – Mechanical performance                                    | EN 1886: 2007                               |

The product is CE-marked: 2021

FLEXIT AS 2021



Knut Skogstad  
CEO

## 20. Product and Environmental Declaration

### Materials:

Materials with which the user or treated air come into contact:

- The unit's outer walls are made of aluzink coated steel.
- The rotary wheel-type heat exchanger is made of aluminium.
- Miscellaneous electric cables with PVC insulation.
- Electric motors consisting of galvanised steel, aluminium and copper.
- Heating elements made of steel.
- Air filters of glass fibre, cardboard and melting glue.

Other materials that may occur in small quantities:

- Acrylic sealant
- Polyethylene foamed plastic
- EPDM rubber gaskets/PUR
- Miscellaneous steel screws, nuts and pop rivets, plus small quantities of copper and brass.

Materials in the unit with which service personnel may come into contact:

- Plastic-insulated electric cables
- Miscellaneous other electrical components
- Insulation of type Rockwool mat (insulation mat)

### Safety:

#### Materials:

The materials are considered to be completely harmless to users.

#### Use:

The unit is an electrical appliance which must be made dead before service and inspection. The unit also contains rotating motors that must have time to stop before the inspection door is opened, plus heating elements with a high operating temperature.





The product is listed in the  
database for building products  
that can be used in **Nordic  
Swan Ecolabelled** buildings.



Flexit AS, Moseveien 8, N-1870 Ørje  
[www.flexit.com](http://www.flexit.com)