FLEXIT

117581-11
2026-03



Flexit GO

EUROVENT CERTIFIED PERFORMANCE
RAHU 19.12.007
www.eurovent-certification.com

Nordic CL 2/3/4

ART.NO. 800200, 800201, 800210, 800211, 800220, 800221

EN

INSTALLATION INSTRUCTIONS

Air handling unit

INSTALLATION INSTRUCTIONS

Contents

1. Planning and preparation work ... 6
   - 1.1. Joiner/Fitter ... 6
   - 1.2. Electrician ... 6
2. Installation ... 8
   - 2.1. What is included? ... 9
   - 2.2. Ceiling mounting ... 9
     - 2.2.1. Example of nipple locations ... 9
     - 2.2.2. Positioning requirements for ceiling mounting ... 9
     - 2.2.3. Space requirements for ceiling mounting ... 10
   - 2.3. Heavy components ... 10
     - 2.3.1. Top mounting ... 11
     - 2.3.2. Side mounting ... 13
   - 2.4. Wall mounting ... 15
     - 2.4.1. Positioning requirements for wall mounting ... 15
     - 2.4.2. Turning the door ... 16
     - 2.4.3. Removing the door ... 17
     - 2.4.4. Space requirements for wall mounting ... 18
     - 2.4.5. Fitting the wall bracket ... 19
   - 2.5. Floor (loft) mounting ... 20
     - 2.5.1. Positioning requirements for horizontal floor mounting ... 20
     - 2.5.2. Space requirements for horizontal floor mounting ... 20
     - 2.5.3. Positioning requirements for vertical floor mounting ... 21
     - 2.5.4. Space requirements for vertical floor mounting ... 21
3. Duct connection ... 23
   - 3.1. Connection to the unit ... 23
4. Electrical work ... 24
5. Adjustment of the unit ... 24
6. Installing and adjusting a kitchen fan ... 25
   - 6.1. Installation ... 25
     - 6.1.1. Kitchen fan without motor ... 25
     - 6.1.2. Kitchen fan with motor ... 25
   - 6.2. Adjusting ... 25
     - 6.2.1. Kitchen fan without motor ... 25
     - 6.2.2. Kitchen fan with motor ... 25
7. System and general drawings ... 26
   - 7.1. System drawing (electrical heating coil) ... 26
   - 7.2. General drawing ... 27
   - 7.3. Nipple location ... 28
8. Technical data, CL2 ... 29
9. Technical data, CL3 ... 30
10. Technical data, CL4 ... 31
11. Dimensioned drawing ... 32
12. Capacity and sound data ... 33
13. Final checks/Startup ... 34
    - 13.1. Final checks ... 34
    - 13.2. Startup and connection of the unit ... 35
14. Complaints ... 36
15. Waste handling ... 36

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

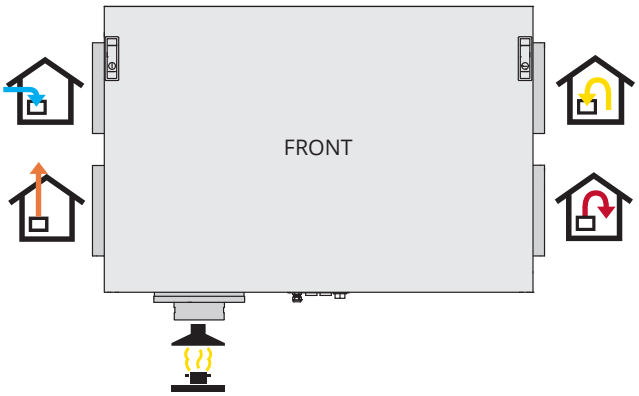

Extract air from kitchen


Exhaust air

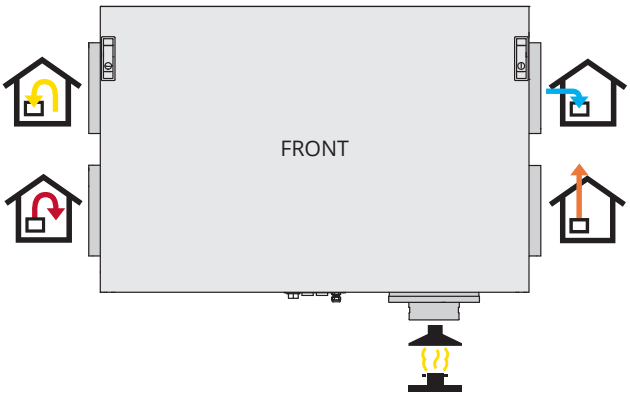

Outdoor air


DANGER: ELECTRICITY


DANGER! DO NOT TOUCH



EXAMPLE OF NIPPLE LOCATIONS (shown as left model)



EXAMPLE OF NIPPLE LOCATIONS (shown as a right 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.

FLEXIT

SAFETY INSTRUCTIONS

- 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.
- If the power lead is damaged, it must be replaced by the manufacturer, the manufacturer's service agent or a similarly qualified person.
- 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.
- Before opening the door: The product must be set to service mode and powered off because the unit contains elements that must not be touched when hot. Refer to the user manual for FlexitGO.
- This appliance may be used by children of 8 years or above or by persons with reduced sensory capacity or reduced physical or mental capacity, or by persons lacking experience or knowledge, provided they have received instruction in the safe use of the appliance or are supervised to ensure safe use and providing they are aware of the risks.
- The product is not suitable for use by children. Children must not be allowed to play with the appliance. Children must not carry out cleaning or maintenance without supervision.

- That 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 (for duct and partition fans).
- The fixing means for attachment to the ceiling such as hooks or other devices shall be fixed with a sufficient strength to withstand 4 times the weight of the air handling unit.

- 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 coil must be approved by a plumber owing to the risk of water leaks.

- Tumble dryers must not be connected to the unit.
- The room must have a separate, adequate air supply when products such as gas cookers, gas heaters, fireplaces, wood-burning stoves, oil-fired boilers, etc., are used.

1. Planning and preparation work

1.1. JOINER/FITTER

Airflow
Check that the air moves from rooms with supply air valves to rooms with extract air valves.

Kitchen
If the kitchen fan is designed with a motor, sufficient supply air must be ensured. See chap.6.1. Installation on page 25 and chap.6.2. Adjusting on page 25 for more information.

Fireplace
When using the fireplace suitable supply air must be ensured.

Location in the building
Location of the unit on an internal wall requires insulation of the wall, interrupted studs and boards, and double plasterboard or a wall structure of similar quality (see chap.2.4. Wall mounting on page 15).

Positioning must comply with individual countries' electrical safety legislation. Check which rules apply in your country.

Suspension of unit
For screws, sufficient noggings (min. 48 x 98 mm) are required between studs.
See chap.2. Installation on page 8.

Access
The unit must have good access for service/maintenance. See chap.2.2.2. Positioning requirements for ceiling mounting on page 9, chap.2.4.1. Positioning requirements for wall mounting on page 15 or chap.2.5.2. Space requirements for horizontal floor mounting on page 20 for details.

Fire requirements
Any fire safety requirements must be clarified.

The positioning of heat sources must be coordinated with extract air
valves so that heat is not sucked straight out through a valve or door gap.

1.2. ELECTRICIAN

Power supply
The units have an approx. 2 m cable with plug and require a single-phase earthed socket nearby. Plug requirements: 10 A. We recommend a separate circuit for the unit. For permanent installation, it is possible to use a fuse in the installation network, provided that it is approved and it must be possible to secure it in the off position. Or a separate approved service switch can be installed.

It is important for the plug to be accessible for servicing when the unit is fully installed.

The unit should be installed with an earth fault breaker. We recommend a separate circuit for the unit.

Ensure there is servicing access to electrical bushings. See the dimensioned drawing for exact location.

When using the app:
The unit must be connected to the internet or an access point for local communication with the app. A conduit of at least Ø20 mm is recommended between the unit and the home's router for the network cable.

When using the control panel:
Lay a Ø20 mm conduit for running the cable for controlling the unit between the unit and an easily accessible place in the home (e.g. outside the bathroom) and terminate with a flush-mounted single wall box. Locate the control panel here. The control cable must be located min. 30 cm away from any power cables. The control cable must be max. 24 metres long to ensure a signal.

For use with accessories:
Lay a Ø16 mm conduit between the unit and the location of the accessory in question (kitchen fan, pressure relay, etc.).

NB! The PG nipple for the power cable must be tightened with a torque of 2.0 Nm if the cable is replaced.

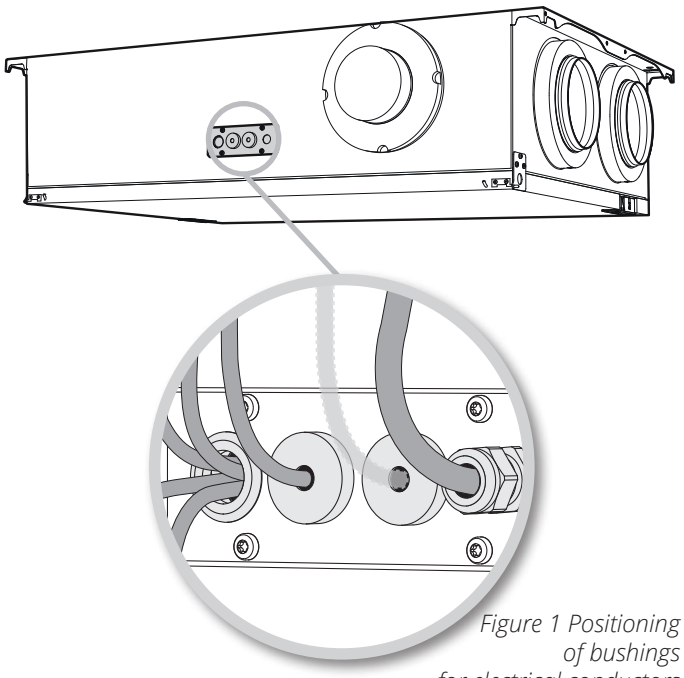
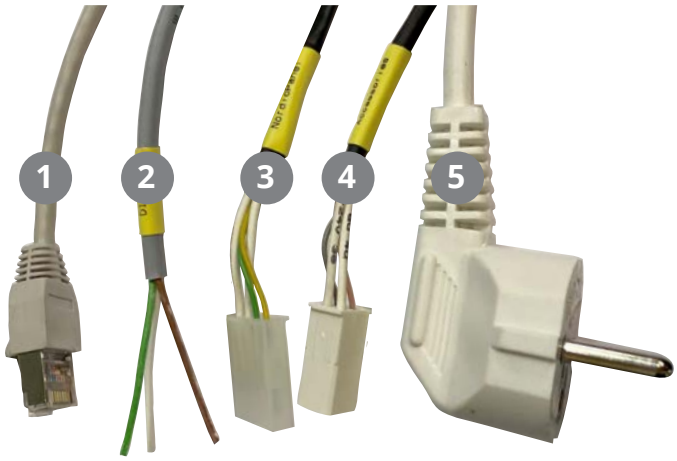


Figure 1 Positioning of bushings for electrical conductors



The installation instructions for the individual products must be followed.

For more information on automatic control see www.flexit.com or the manual for Flexit GO and the control panel (120018).

	Cable type	
1	Network cable	
2	3-core cable (for e.g. kitchen fan)	(DI1&DI2)
3	Cable for control panel	(NordicPanel)
4	Not in use (accessory)	(Accessories)
5	Power cable, unit	

For exact positioning of the electrical bushings, see chap.11. Dimensioned drawing on page 32.

2. Installation

The unit can be installed in the following ways:

1. On the ceiling.
2. On the wall (mounting is available as an accessory)
3. Horizontally on the floor (absorption feet are available as an accessory or use damping blocks supplied with the ceiling suspension)
4. Vertically on the floor (absorption feet are available as an accessory or use damping blocks supplied with the ceiling suspension)

The CL2, CL3 and CL4 is available in both a right and a left version, depending on what best matches the duct location.

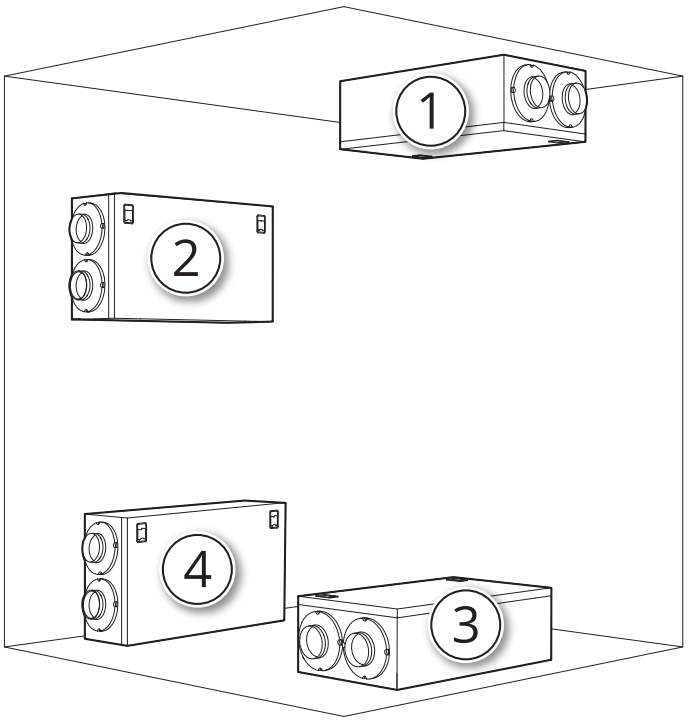
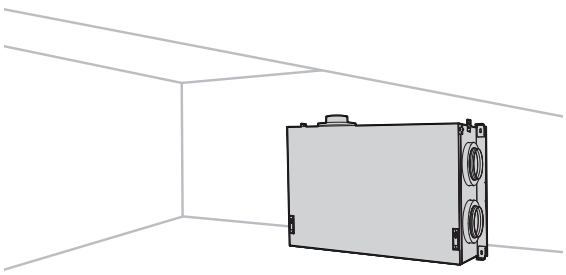


Figure 2 Location options



The unit can be located in a cold zone such as the loft.

! There may be a risk of external condensation on the unit if it is placed in a room with high humidity.

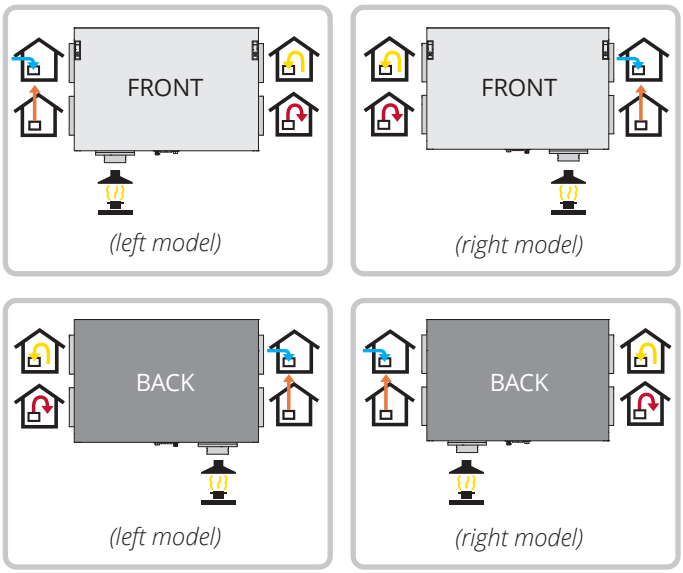
2.1. WHAT IS INCLUDED?



Figure 3 What is included?

2.2. CEILING MOUNTING

2.2.1. Example of nipple locations



2.2.2. Positioning requirements for ceiling mounting

The unit is designed to be installed in boiler rooms, laundry rooms, stores or other suitable areas. The unit can be in a cold location.

Positioning must comply with individual countries' electrical safety legislation. Check which rules apply in your country.

Ceiling mounting must be carried out by qualified professional.

The unit should be positioned in such a way that there is no danger of noise nuisance in nearby rooms.

- If the unit is located in a warm room where a lot of moisture is generated, condensation may form on the outside of the unit during periods when the outside temperature is low.

The base should be stable and level.

2.2.3. Space requirements for ceiling mounting

The unit must be installed with suitable space for servicing and maintenance such as filter replacement and cleaning of fans and recovery system. See Figure 4 Space requirements for ceiling mounting.

These are minimum requirements and only take service needs into account.

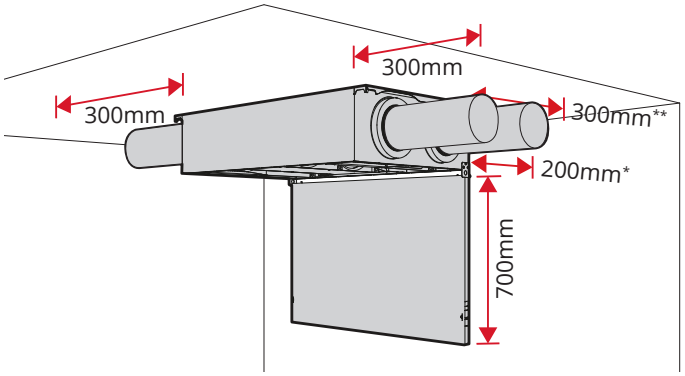
It may be desirable to turn the unit door.
See chap.2.4.2. Turning the door on page 16.

All electrical conductors from the unit must be easily accessible when the unit is fully installed.

Positioning must comply with individual countries' electrical safety legislation. Check which rules apply in your country.

Ceiling mounting must be carried out by qualified professional.

Ensure there is servicing access to electrical bushings. See the dimensioned drawing for exact location.



* *space required for access to electrical bushings*
** *space required if a kitchen fan duct is to be connected*

Figure 4 Space requirements for ceiling mounting

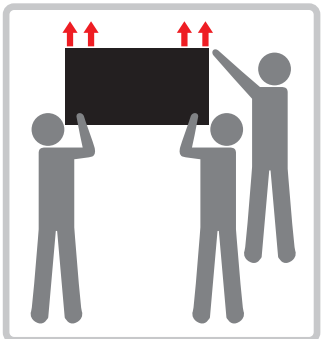
2.3. HEAVY COMPONENTS

We recommend using a lift/manual lifting table for ceiling mounting. We also recommend wearing a hard hat.

Be aware that some of the unit's components are heavy.







2.3.1. Top mounting

If it is necessary to pre-drill the mounting surface, see Figure 5 Holes, top mounting for dimensions.
Select fixings that are suitable for the mounting surface.

The fixings must be suitable for the unit's weight of 59 kg.

When installing in the ceiling, a cover frame (accessory, item no. 118380) is available and can be mounted around the unit door for the Nordic CL series. For cut-out measurements when using the cover frame, refer to the installation guide for the cover frame.

The ceiling should not be in contact with the unit but must have at least a 2 mm gap.

The unit types may vary in the illustrations.

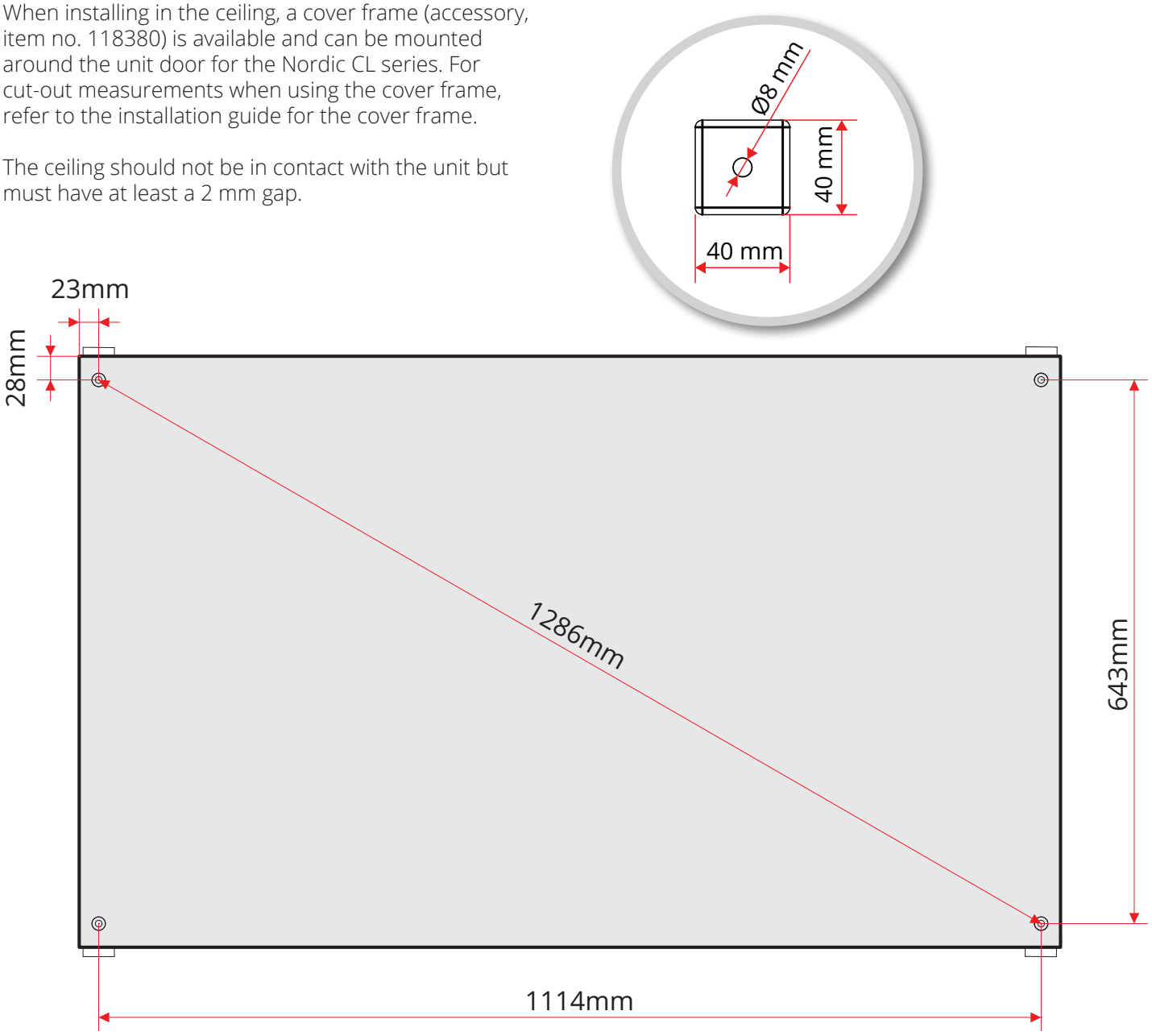


Figure 5 Holes, top mounting

Using suitable screws, screw through the holes in the mounting bracket, damping block and the unit's back panel.

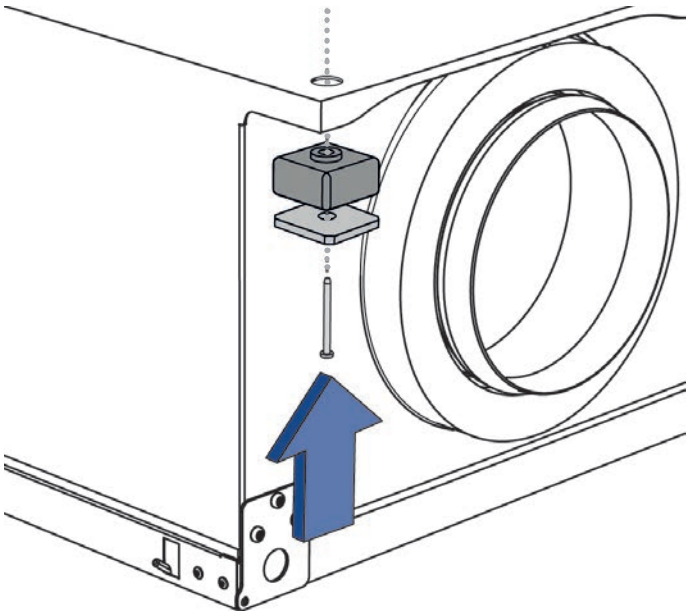


Figure 6 Mounting bracket, top mounting

! The unit must always be mounted with at least a 3 mm gap to the mounting surface to prevent structure-borne sound.

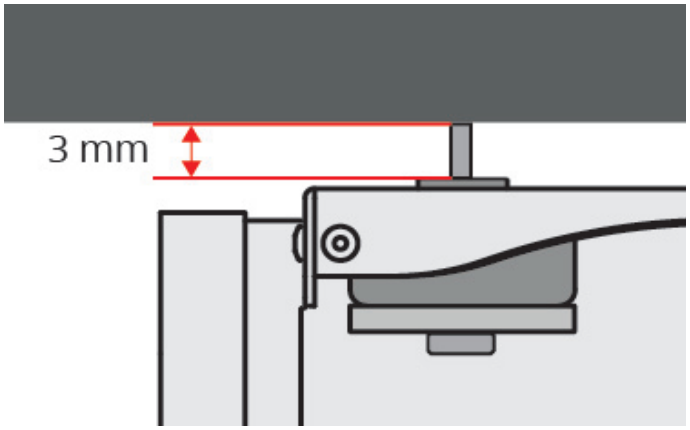


Figure 7 Gap to mounting surface

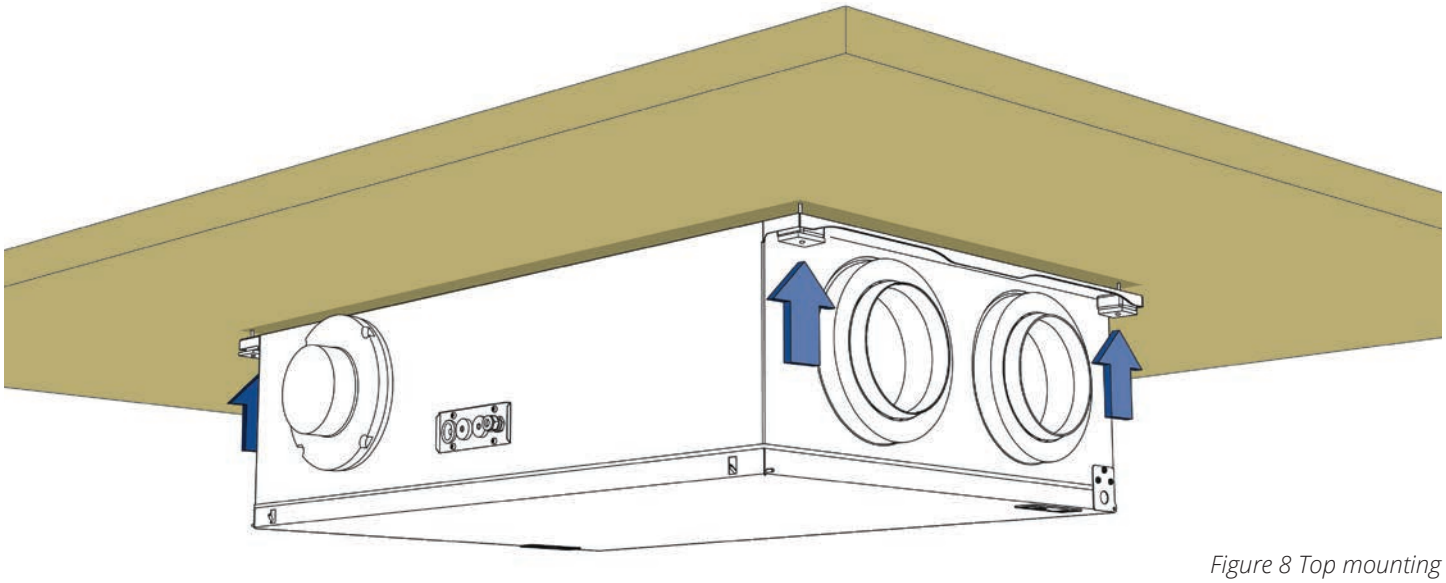


Figure 8 Top mounting

2.3.2. Side mounting

If it is necessary to pre-drill the mounting surface, see Figure 9 Holes, side mounting for dimensions.
Select fixings that are suitable for the mounting surface.

The fixings must be suitable for the unit's weight of 59 kg.

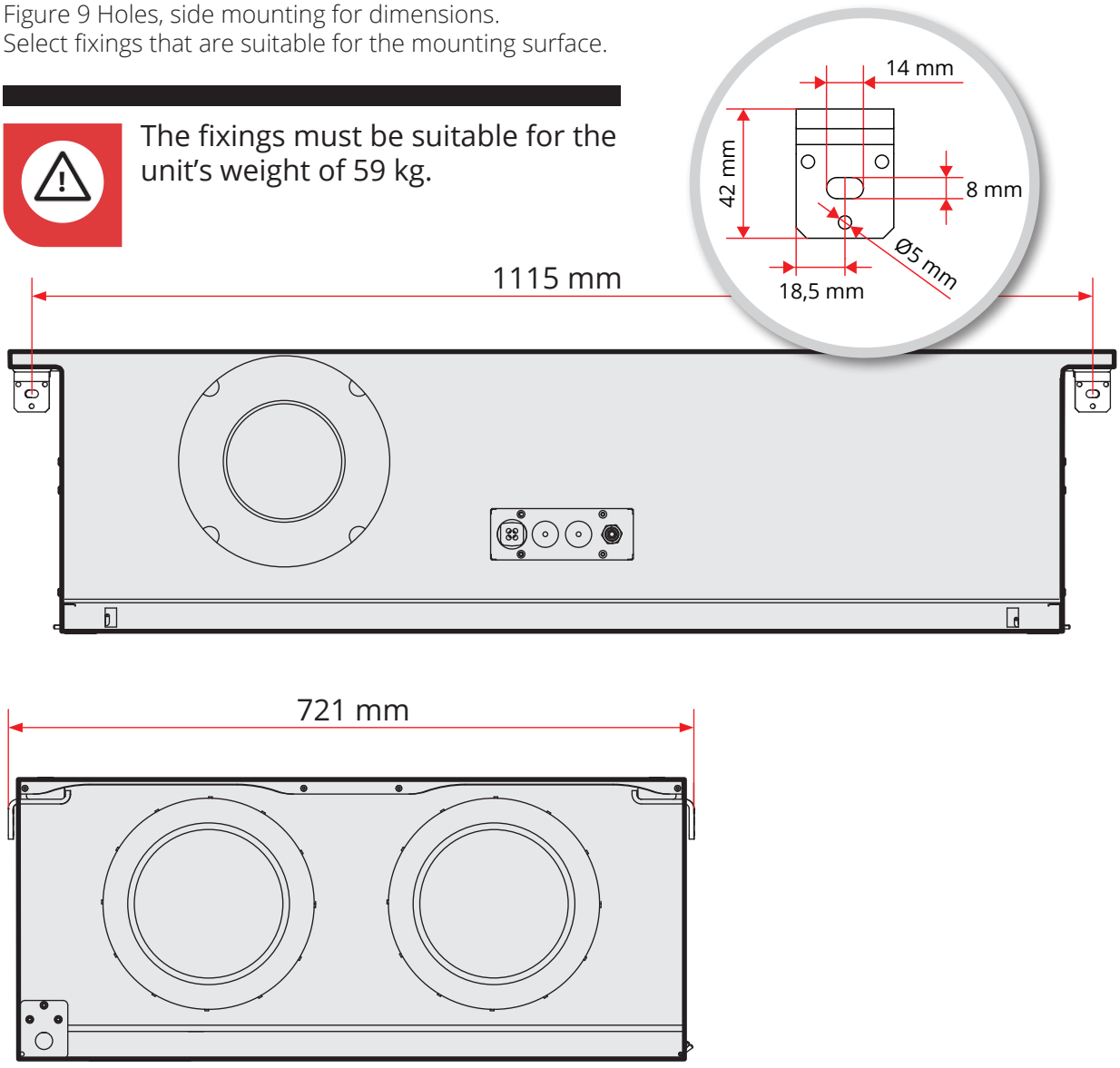
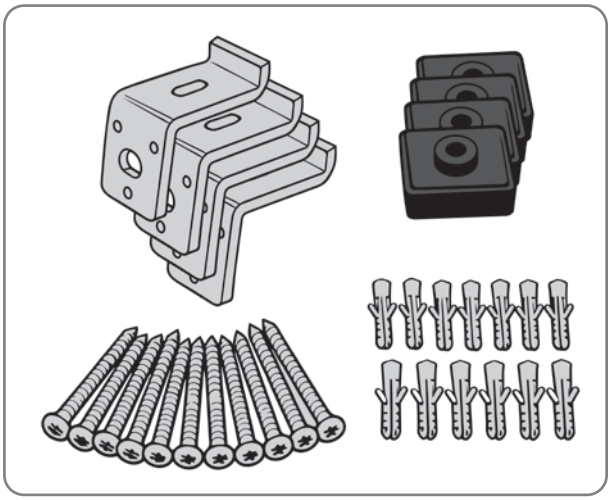


Figure 9 Holes, side mounting

The side bracket is an accessory and is not included in the unit's scope of delivery.
Sold separately as a spare part:
Art. nr: 117773



Use suitable screws and screw the unit firmly into space by securing the mounting brackets.

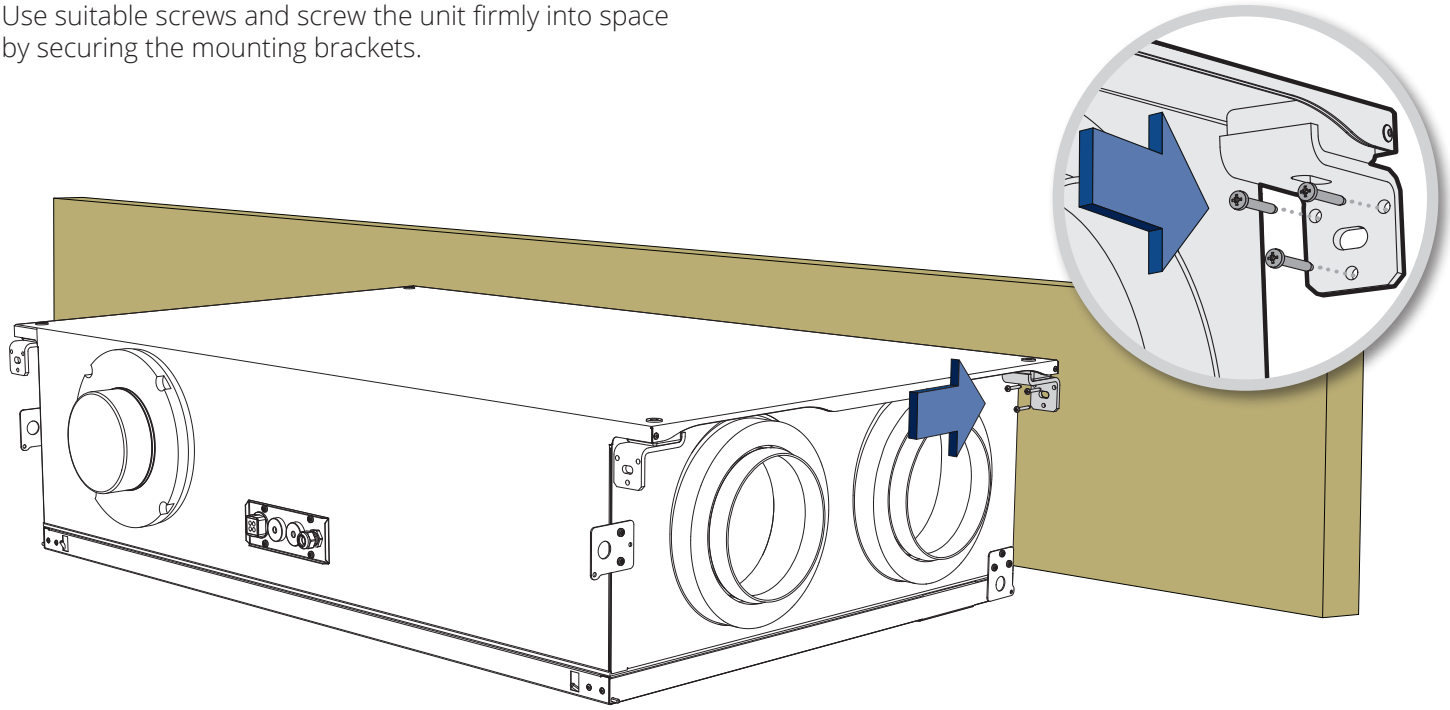


Figure 10 Side mounting

! Make sure that the mounting surface only touches the mounting brackets and not the unit so as to prevent structure-borne sound.

The mounting bracket can be adjusted sideways in both directions to prevent touching with the unit, see fig. 11.

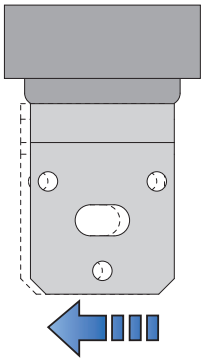


Figure 11

2.4. WALL MOUNTING

2.4.1. Positioning requirements for wall mounting

The unit is designed to be installed in boiler rooms, laundry rooms, stores or other suitable areas. The unit can be in a cold location.

Positioning must comply with individual countries' electrical safety legislation. Check which rules apply in your country.

The unit should be positioned in such a way that there is no danger of noise nuisance in nearby rooms.

- Location of the unit on an internal wall requires sound insulation of the wall, interrupted studs and boards, and double plasterboard or a wall structure of similar quality. See Byggforsk Construction Detail Sheet 524.325 (Sound insulation properties for lightweight internal walls.) See also Figure 12 Wall construction.
  If located on external walls, interrupted boards against adjacent rooms are recommended.

Check which regulations apply to your country when it comes to soundproofing.

- If the unit is located in a warm room where a lot of moisture is generated, condensation may form on the outside of the unit during periods when the outside temperature is low.

The base should be stable and level.

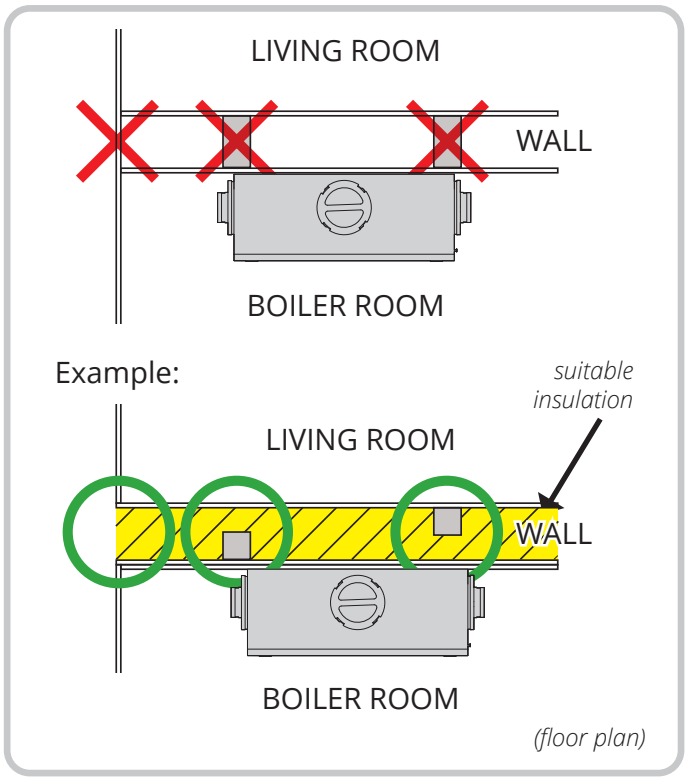
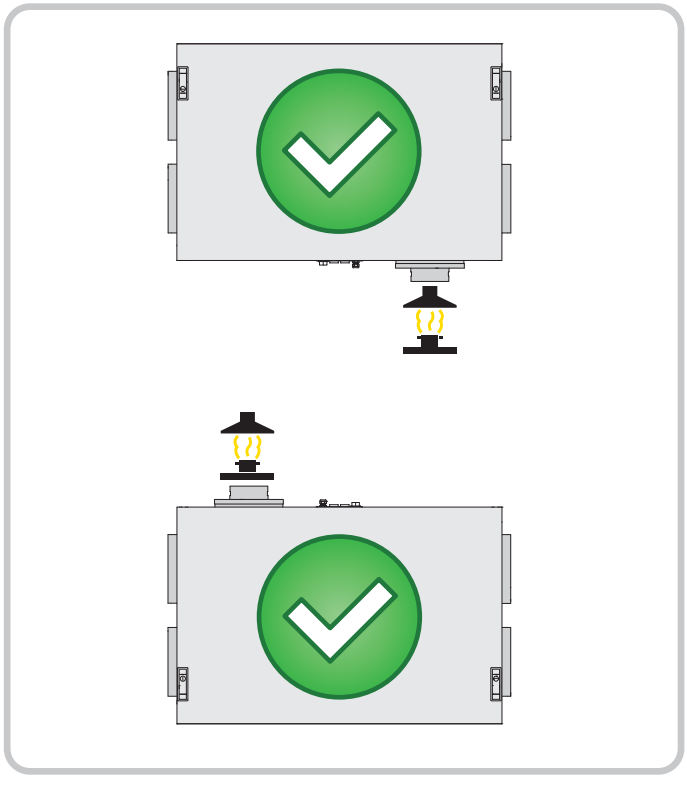


Figure 12 Wall construction

The back panel of the unit has screw holes for attachment to the wall (accessories), both at the top and the bottom, so the unit can be mounted either way on the wall.

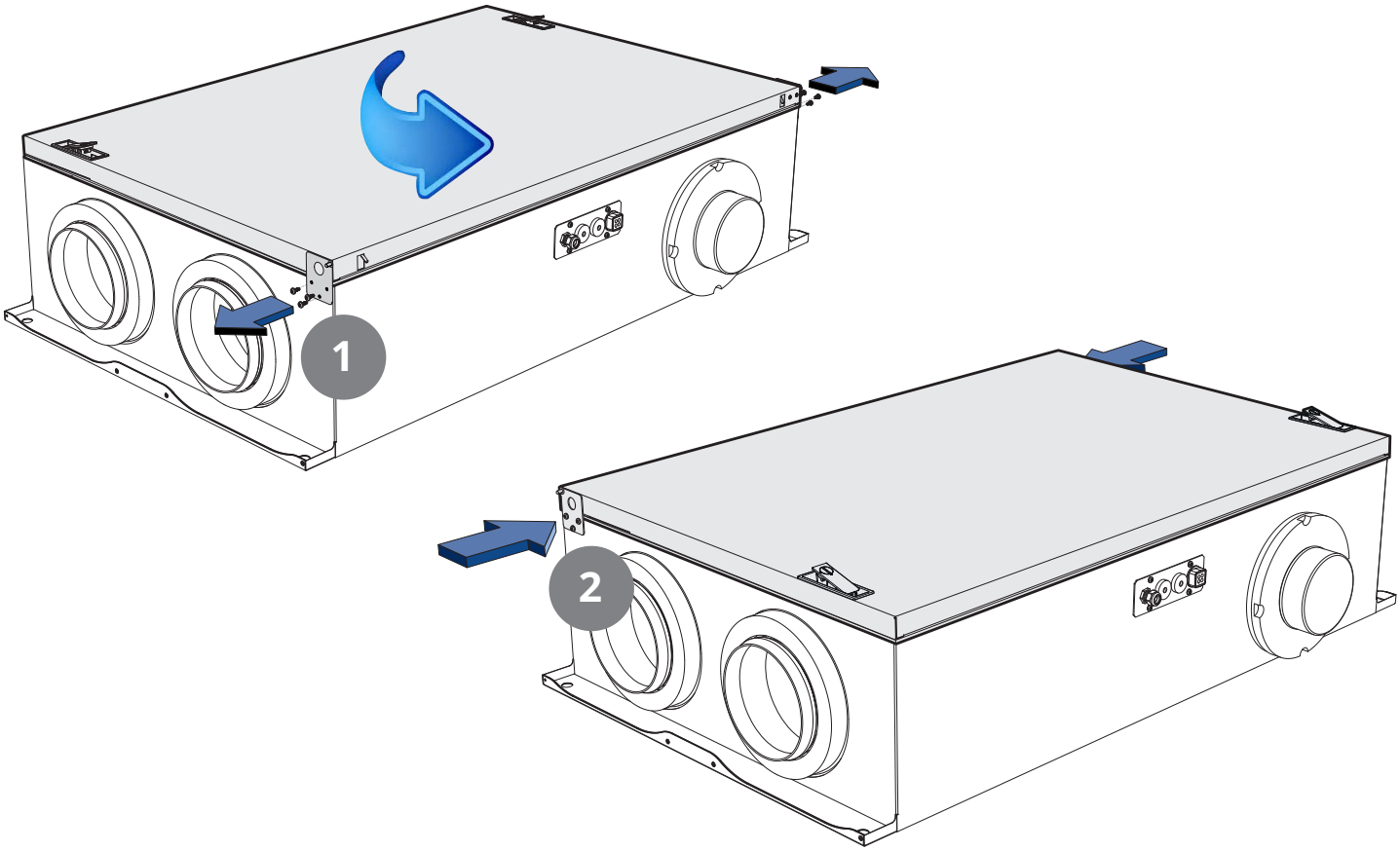
In that connection it may be desirable to turn the unit door. See chap.2.4.2. Turning the door on page 16.



2.4.2. Turning the door

The hinge brackets must be moved for the door to be turned.

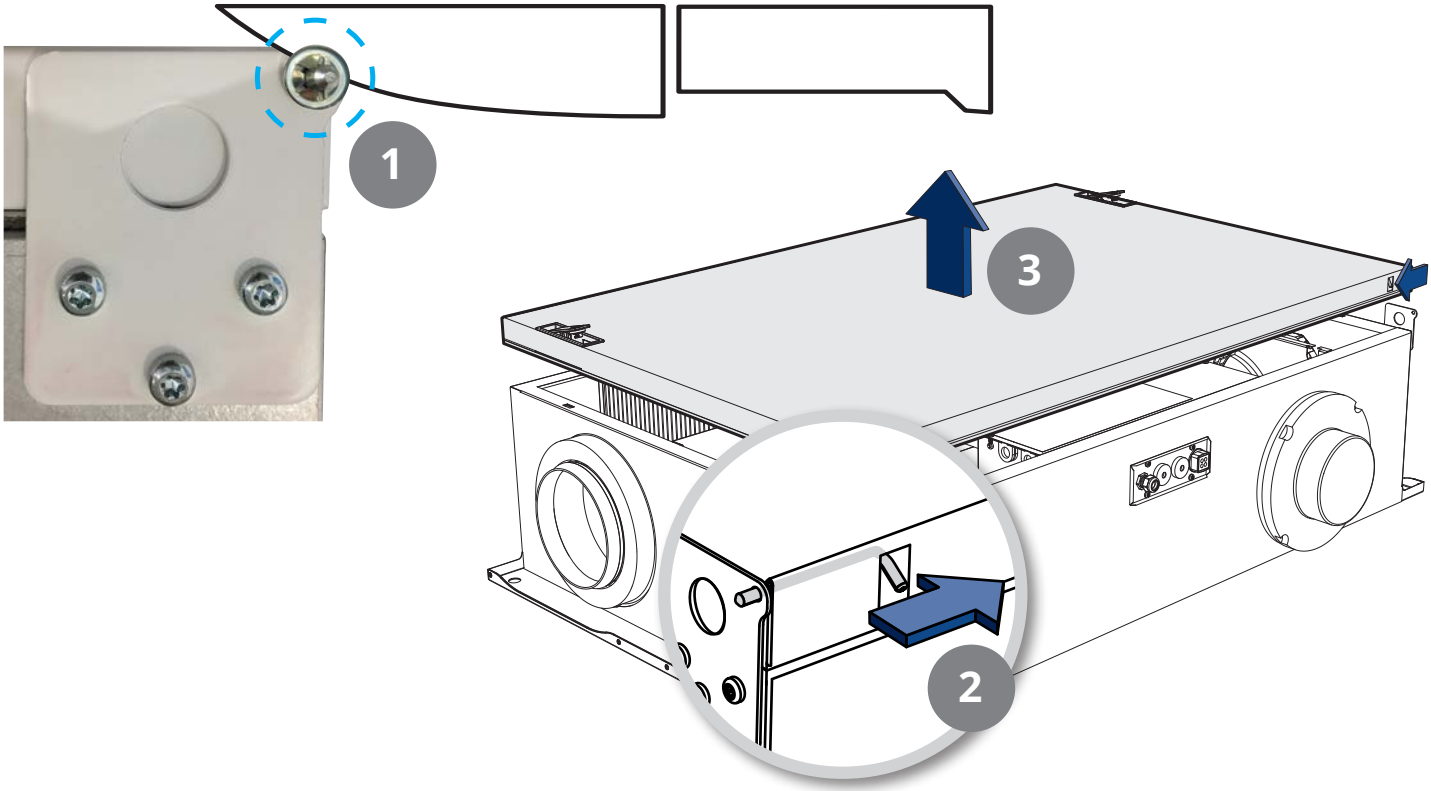
1. Undo the screws in the hinge brackets.
2. Then move the hinge brackets and do up the screws again.



2.4.3. Removing the door

In order to remove the door, the locking washer must be removed

1. Use a knife or screwdriver and bend the locking washers from the locking bolts.
2. Slide both locking bolts in towards the centre of the door while...
3. lifting the door.



WARNING! After the door is put back in place, the locking plates must be slid back onto the lock bolts.



2.4.4. Space requirements for wall mounting

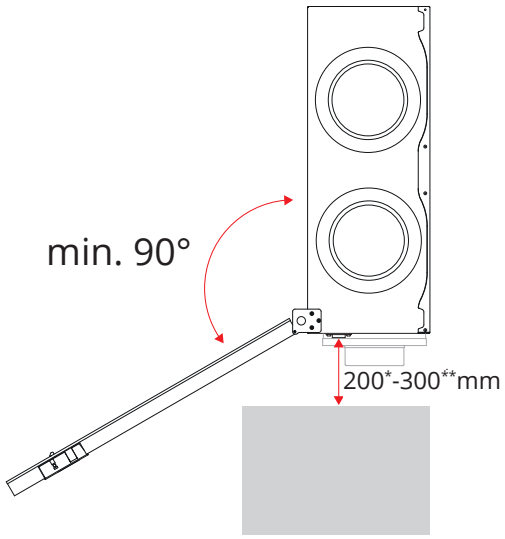
The unit must be installed with space for servicing and maintenance such as filter replacement and cleaning of the fans and rotor. See Figure 13 Space requirements for ceiling mounting.

These are minimum requirements and only take service needs into account.

All electrical conductors from the unit must be easily accessible when the unit is fully installed.

Positioning must comply with individual countries' electrical safety legislation. Check which rules apply in your country.

Ensure there is servicing access to electrical bushings. See the dimensioned drawing for exact location.



* space required for access to electrical bushings
** space required if a kitchen fan duct is to be connected

Figure 13 Space requirements for ceiling mounting

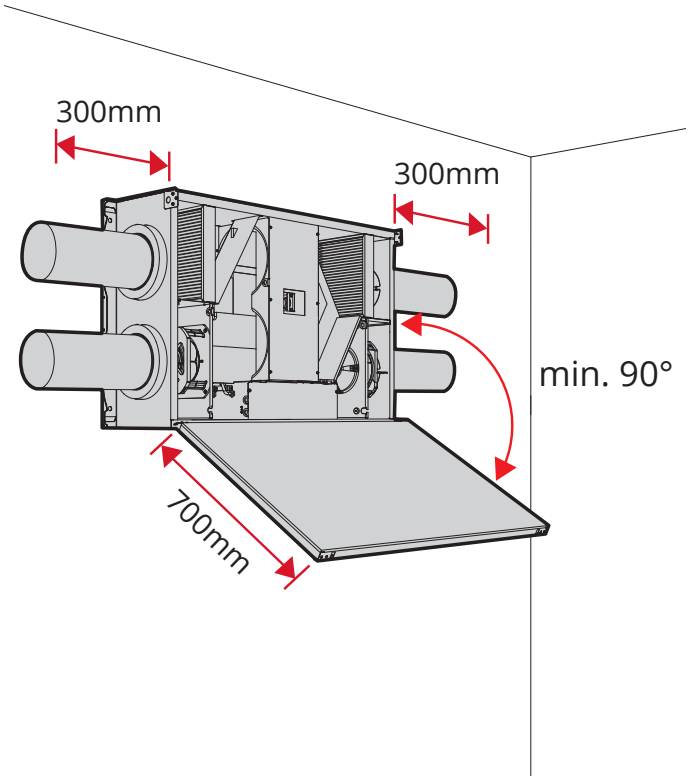


Figure 14 Space requirements for wall mounting

2.4.5. Fitting the wall bracket

In the case of wall mounting, secure the wall bracket to the wall and hang the unit in place (see Figure 15 Fitting the wall bracket). Hold the unit at an angle when hooking it onto the wall.

The top edge of the wall bracket should be mounted 55 mm higher than the top of the unit's back panel. If, for example, the top of the unit is to be 400 mm below the ceiling, the wall bracket should be mounted 345 mm from the ceiling, measured from the ceiling to the top edge of the wall bracket (Figure 16 Wall bracket).

The wall bracket is an accessory and does not come with the unit. See separate instructions (117784) for fitting the wall bracket.

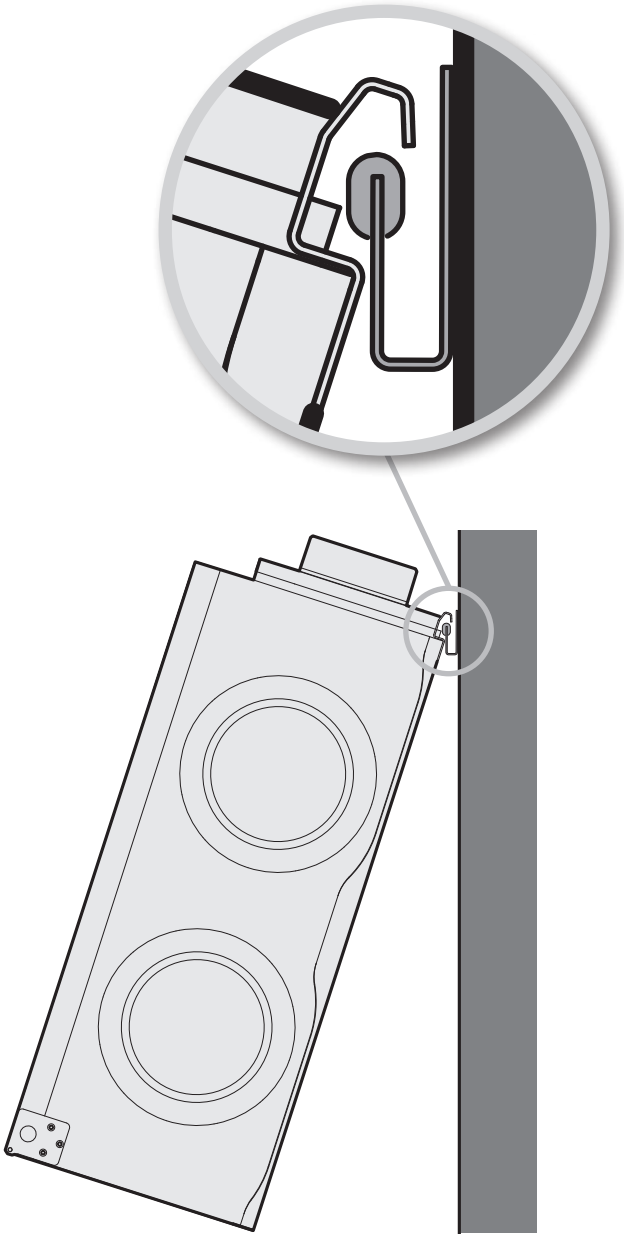


Figure 15 Fitting the wall bracket

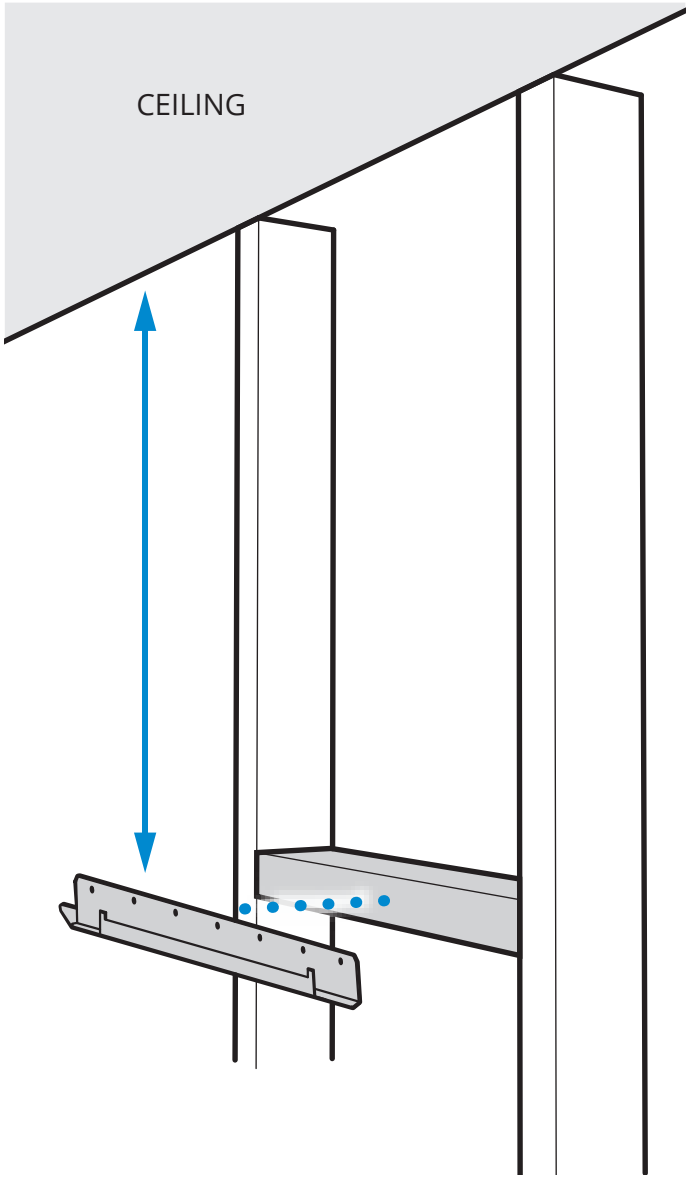


Figure 16 Wall bracket

2.5. FLOOR (LOFT) MOUNTING

2.5.1. Positioning requirements for horizontal floor mounting

The unit is designed to be installed in boiler rooms, laundry rooms, stores or other suitable areas. The unit can be in a cold location.

Positioning must comply with individual countries' electrical safety legislation. Check which rules apply in your country.

The unit should be positioned in such a way that there is no danger of noise nuisance in nearby rooms.

When installing on the ceiling, absorption feet should be used, for the sake of noise and vibrations. Flexit offers suitable absorption feet as accessories, see Figure 17 Absorption feet (accessory).

- If the unit is located in a warm room where a lot of moisture is generated, condensation may form on the outside of the unit during periods when the outside temperature is low.

The base should be stable and level.

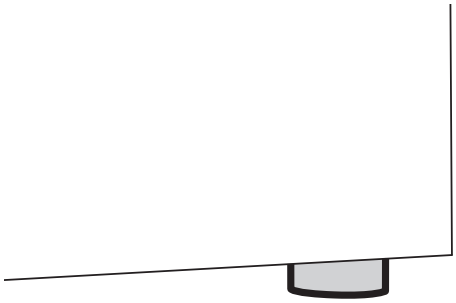


Figure 17 Absorption feet (accessory)

The absorption feet are an accessory and do not come with the unit.

2.5.2. Space requirements for horizontal floor mounting

The unit must be installed with suitable space for servicing and maintenance such as filter replacement and cleaning of fans and recovery system. See Figure 18 Space requirements for horizontal floor mounting.

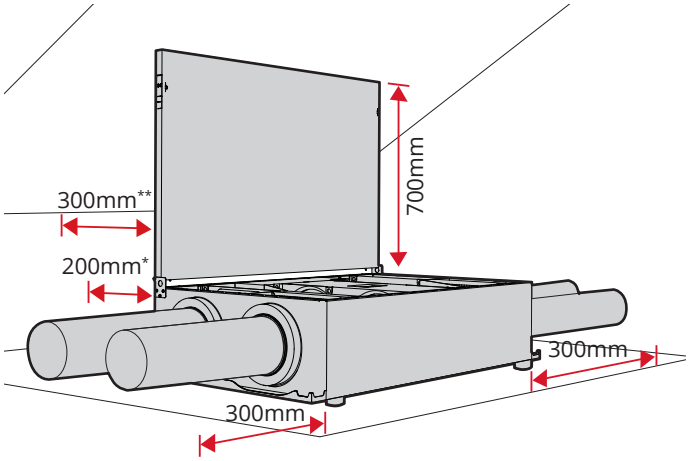
These are minimum requirements and only take service needs into account.

It may be desirable to turn the unit door. See chap.2.4.2. Turning the door on page 16.

All electrical conductors from the unit must be easily accessible when the unit is fully installed.

Positioning must comply with individual countries' electrical safety legislation. Check which rules apply in your country.

Ensure there is servicing access to electrical bushings. See the dimensioned drawing for exact location.



* space required for access to electrical bushings
** space required if a kitchen fan duct is to be connected

Figure 18 Space requirements for horizontal floor mounting

2.5.3. Positioning requirements for vertical floor mounting

The unit is designed to be installed in boiler rooms, laundry rooms, stores or other suitable areas. The unit can be in a cold location.

Positioning must comply with individual countries' electrical safety legislation. Check which rules apply in your country.

The unit should be positioned in such a way that there is no danger of noise nuisance in nearby rooms.

When installing on the ceiling, appropriate absorption material should be used to cope with noise and vibrations.
Flexit offers suitable absorption feet as accessories, see Figure 17 Absorption feet (accessory) on page 20.

- If the unit is located in a warm room where a lot of moisture is generated, condensation may form on the outside of the unit during periods when the outside temperature is low.

The base should be stable and level.

2.5.4. Space requirements for vertical floor mounting

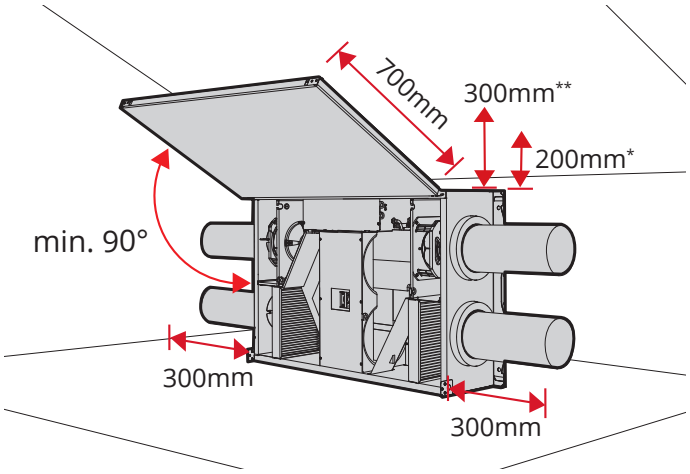
The unit must be installed with suitable space for servicing and maintenance such as filter replacement and cleaning of fans and recovery system. See Figur 19 Space requirements for vertical floor mounting.

These are minimum requirements and only take service needs into account.

All electrical conductors from the unit must be easily accessible when the unit is fully installed.

Positioning must comply with individual countries' electrical safety legislation. Check which rules apply in your country.

Ensure there is servicing access to electrical bushings. See the dimensioned drawing for exact location.



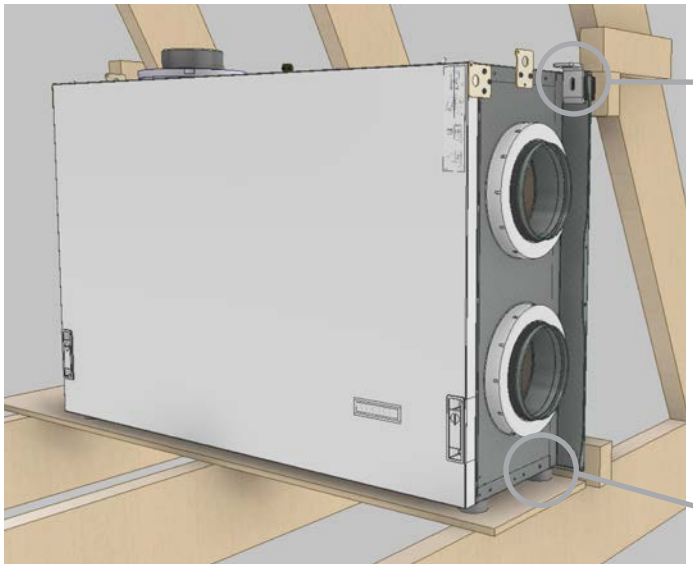
** space required for access to electrical bushings*
*** space required if a kitchen fan duct is to be connected*

Figur 19 Space requirements for vertical floor mounting

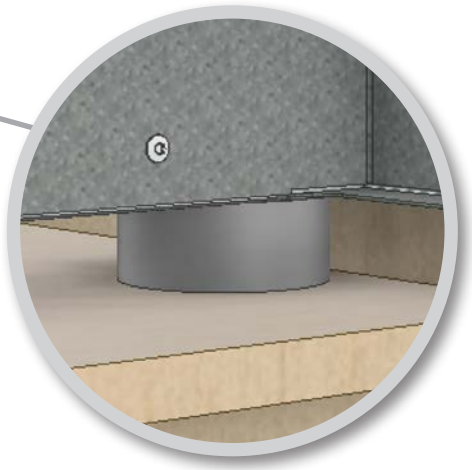
Suggested installation:

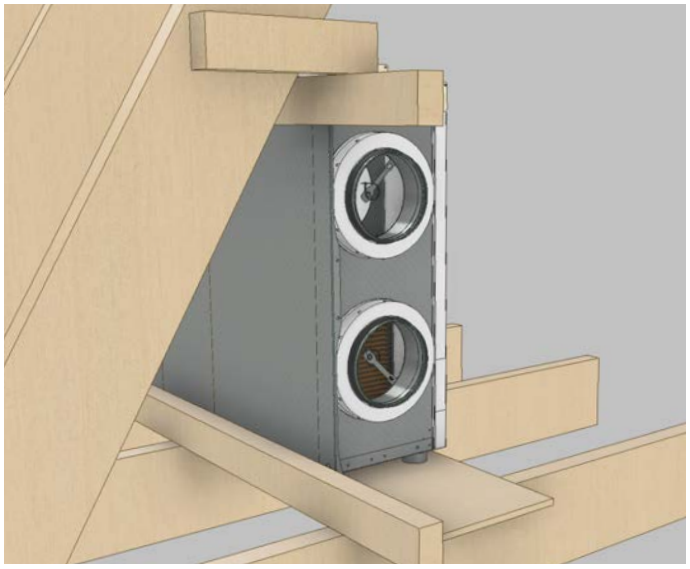
To avoid the unit tipping over when a door is closed, it should be attached with the enclosed fixing brackets.

Using suitable screws, screw through the holes in the fixing bracket, damping blocks, unit back panel and studs behind.
Absorption material must also be used between the unit and the base. Flexit offers appropriate absorption feet as accessories. See Figure 17 Absorption feet (accessory) on page 20.









3. Duct connection

3.1. CONNECTION TO THE UNIT

See Figure 20 Duct connection.
Ensure that the ducts are fitted to the correct nipple - see the markings on top of the unit and chap.7. System and general drawings on page 26.

Pull the duct insulation well up to the unit.
To prevent condensation, it is particularly important for the outdoor and exhaust air ducts to have insulation and a plastic sleeve pulled right down to the unit.

Seal the plastic sleeve to the unit with ties.

All ducts that pass through a cold zone must be insulated.The ducts normally require min. 50 mm insulation, with an efficiency corresponding to λ = 0.035 W/m.°C or better.The fitter is responsible for the required insulation and vapour-proof sleeves being used in accordance with location/temperature.

Lay the outdoor air duct with a slight incline towards the outdoor air cap so that any water that enters drains out again.

Silencers should be installed on the main trunk to reduce fan noise to the rest of the duct system.

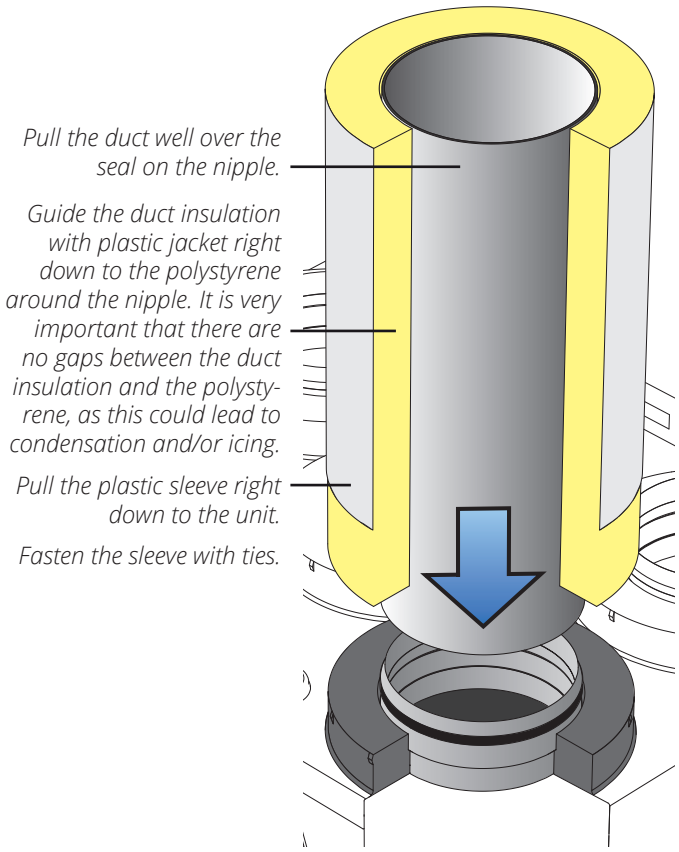


Figure 20 Duct connection



Figure 21 Fitted duct.

4. Electrical work

The unit should be installed with an earth fault breaker. We recommend a separate circuit for the unit.

The unit is supplied with a 2 m cable with plug. The cable exits at the top of the unit and is connected to a 230 V 50 Hz single-phase earthed power point that is placed in an easily accessible position close by. The power plug should be used as the service switch. See chap.8. Technical data, CL2 on page 29, chap.9. Technical data, CL3 on page 30 and chap.10. Technical data, CL4 on page 31 for fuse sizes.

Positioning must comply with individual countries' electrical safety legislation. Check which rules apply in your country.

Ensure that the plug for the unit is not boxed in.

Internet access:

For functions such as controlling the unit outside the home and having access to updates and other cloud services, the unit must be connected to the internet. Lay a network cable between the unit and the home's router, and connect.

5. Adjustment of the unit

Operating modes must be adjusted to ensure that the unit functions correctly. Airflows must be adjusted according to applicable national requirements by qualified personnel.

Insufficient/incorrect settings may cause damage to the product and the property, thereby affecting the outcome of a potential claim.

Damages resulting from a misadjusted ventilation system may lead to the rejection of a potential claim. For adjustment of ventilation modes, refer to the automation guide.

Accessories:

Wireless accessories

A wireless adaptor can be connected to the 4-pole contact marked "Accessories". For configuration with the Flexit GO app, see the instructions that come with the accessories.

Other accessories

Accessories with a closing contact can be connected to a 3-core cable on top of the unit.

Marking	Colour	Function	Description
DI1	Brown	HIGH (default)	Forced air flow rate
DI2	Green	COOKER (default)	Airflow rates are configured based on the selected kitchen fan, with or without a motor
+24 V (REF)	White	Reference	

The inputs can be configured for other functions with the Flexit GO app, see manual (117078).

Control panel:

A control panel can be connected to the 2-pole contact marked "NordicPanel". For more information, see the instructions for the control panel (120018).

Signal cables must be at least 30 cm from power cables and should be laid in a 20 mm wiring conduit at installation. The cables must not be more than 24 m long.

6. Installing and adjusting a kitchen fan

6.1. INSTALLATION

If an external kitchen fan is going to be used, documentation regarding installation and adjustment of air flow rates is supplied with the fans.

6.1.1. Kitchen fan without motor

(connected to unit with duct connection)

The unit has an additional duct connection intended for connecting a range hood (without its own motor).
A control cable (low voltage) is connected between the unit and the range hood for communication.

6.1.2. Kitchen fan with motor

(not connected to unit)

A kitchen hood with an integrated fan motor must be connected to a dedicated exhaust duct system. It must not be connected to the ventilation unit. For further details, see section 6.2.2.

6.2. ADJUSTING

If the kitchen fan is not supplied by Flexit, the fan supplier must plan air flow rates for extract air in the hood, and arrange for supply air to the hood.
When using kitchen hoods with a airflow of over approximately 200 m³/h, the resulting negative pressure can be compensated with, for example, an outdoor air vent in the wall.

6.2.1. Kitchen fan without motor

(connected to unit)

To reduce the risk of forced ventilation through the cooker hood causing imbalance between extract air and supply air, the flow should also be adjusted on the "Cooker hood" setting on the fans. The flow between the attachment and the cooker hood can be measured with an air-flow meter.

The method for adjusting the fan force will vary, depending on which control unit is used (NordicPanel or the Flexit GO app).

Procedure:

1. Choose the cooker hood setting with the damper open and the "cooker hood" signal activated. Adjust the extract force in the "cooker hood" position until the flow over the cooker hood is 150-180m³/h, to obtain odour capture of approx. 75%.
2. Then measure the flow from all air extractors and add this flow to the flow over the cooker hood.
3. Measure and add up the flows on all supply air units. Adjust the fan force in the "cooker hood" setting for the supply air fan to the point where the flow is the same for both fans.

6.2.2. Kitchen fan with motor

(not connected via duct to unit)

By adjusting the "cooker hood" mode with a slightly higher supply airflow than exhaust airflow, it is possible to partially compensate for the increased exhaust airflow that occurs when using a kitchen hood.
Activation usually occurs via a pressure switch (accessory) connected to the kitchen hood's exhaust duct.
For more information, see the installation instructions for the pressure switch.

Ensure that the kitchen hood receives sufficient supply air, for example through outdoor air vents. If the supply airflow exceeds the extract airflow across the heat exchanger, the heat recovery efficiency and frost protection function may be affected.

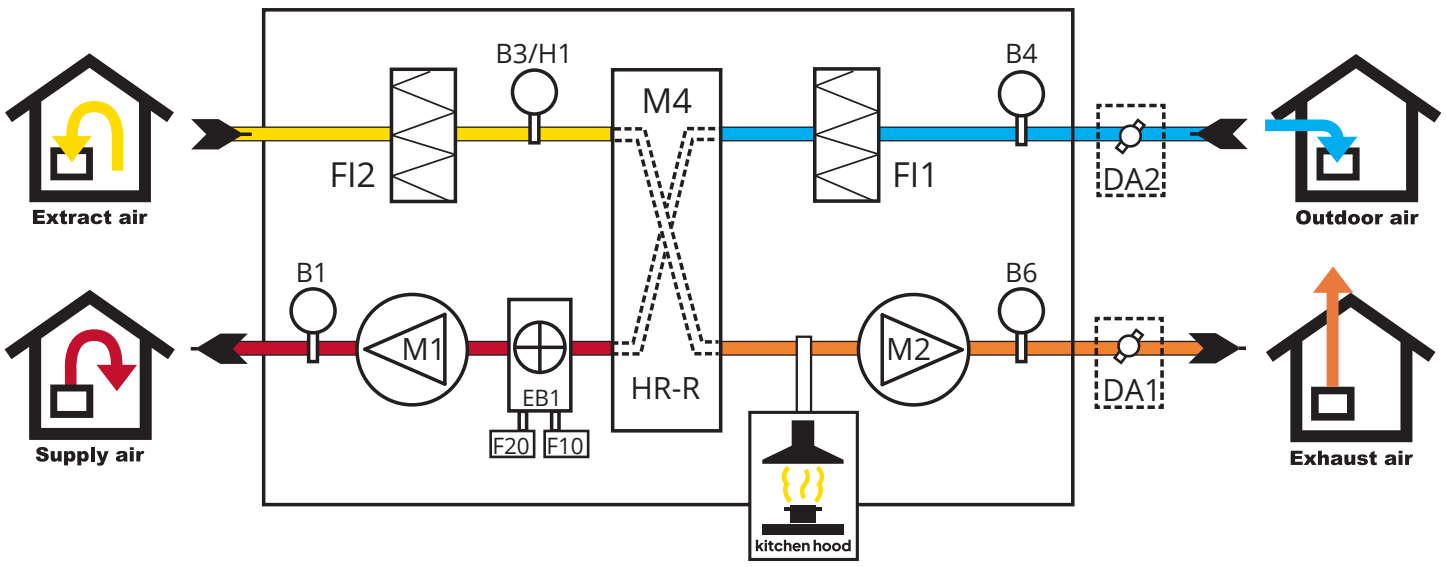
Connection for range hood:
The ventilation unit has an additional extract air connection intended for a range hood. This directs the air straight to the extract air fan without passing through the heat exchanger or filters, and is used, for example, during cooking. The connection is supplied with a cover.

If the range hood is used for continuous ventilation, an airflow imbalance occurs in the heat exchanger, which reduces energy efficiency and impairs the frost protection function.

7. System and general drawings

7.1. SYSTEM DRAWING (ELECTRICAL HEATING COIL)

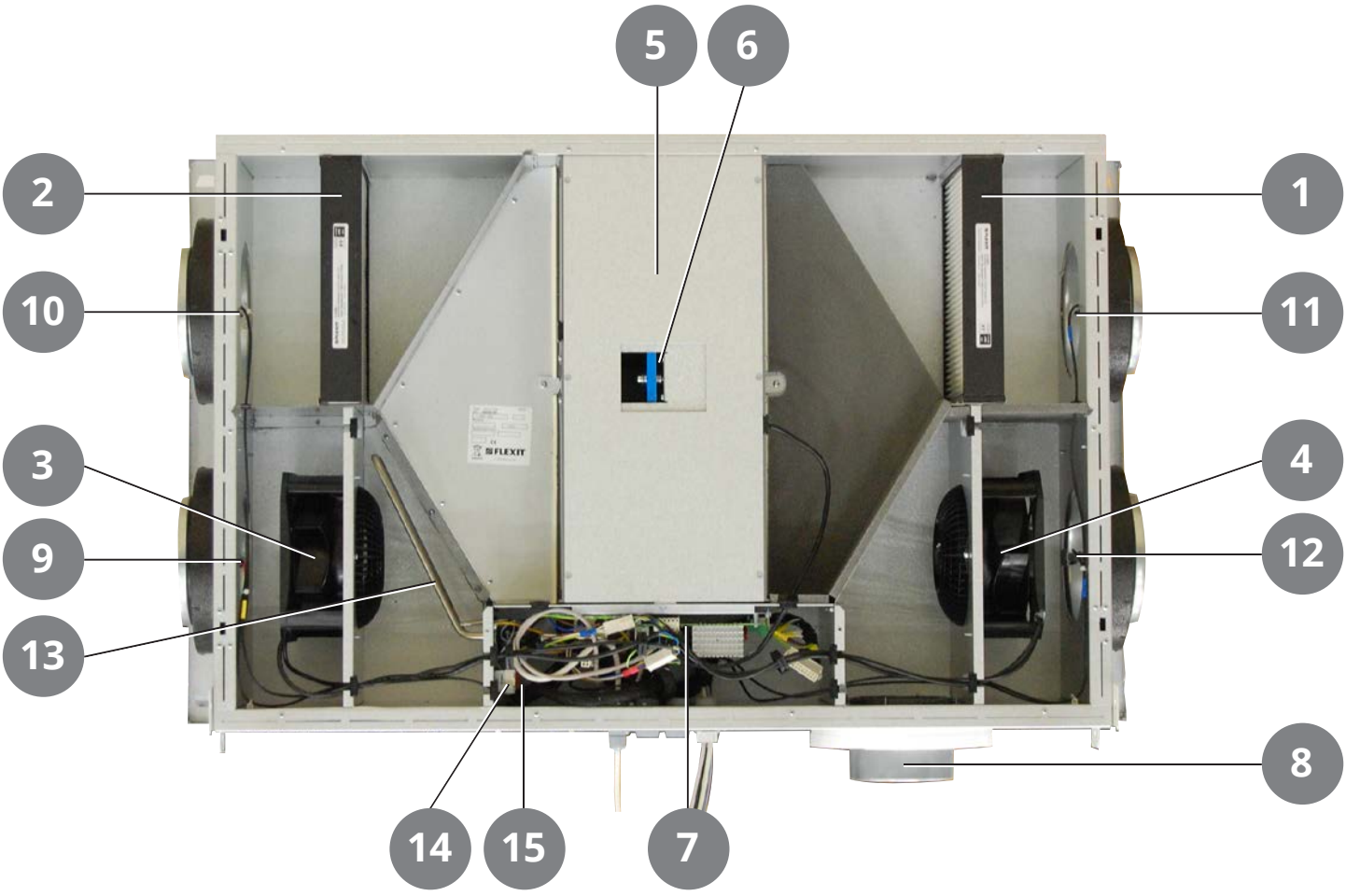
Abbreviation	Description
B1	Supply air temperature sensor
B3	Extract air temperature and humidity sensor
H1	Humidity sensor, extract air
B4	Outdoor air temperature sensor
B6	Exhaust air temperature sensor
EB	Electrical heating coil
F10	Overheating thermostat, manual reset
F20	Overheating thermostat, automatic reset
FI1	Supply air filter
FI2	Extract air filter
M1	Supply air fan
M2	Extract air fan
HR-R	Rotary wheel-type heat exchanger
M4	Rotor motor
DA1	Damper
DA2	Damper



(shown as a right model)

7.2. GENERAL DRAWING

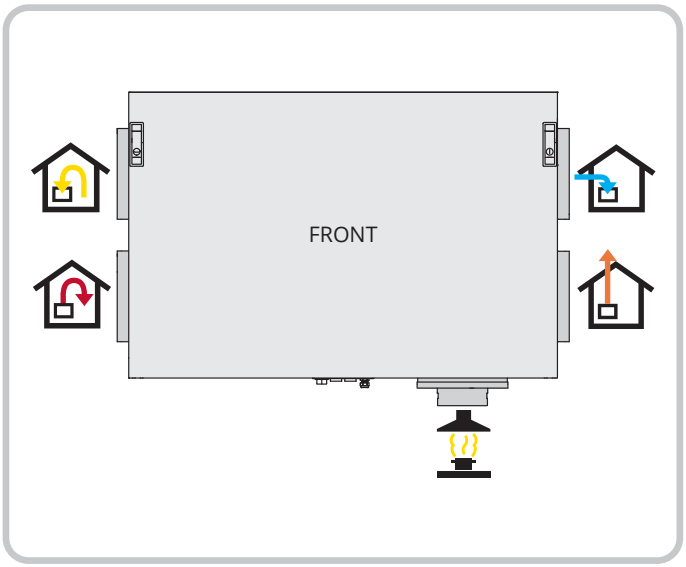
No.	Abbreviation	Description
1	FI1	Supply air filter
2	FI2	Extract air filter
3	M1	Supply air fan
4	M2	Extract air fan
5	HR-R	Rotary wheel-type heat exchanger
6	M4	Rotor motor
7		Control unit
8	K	Kitchen fan connection
9	B1	Supply air temperature sensor
10	B3	Extract air temperature and humidity sensor
11	B4	Outdoor air temperature sensor
12	B6	Exhaust air temperature sensor
13	EB	Electrical heating coil
14	F10	Heating overheating thermostat man.
15	F20	Heating overheating thermostat auto



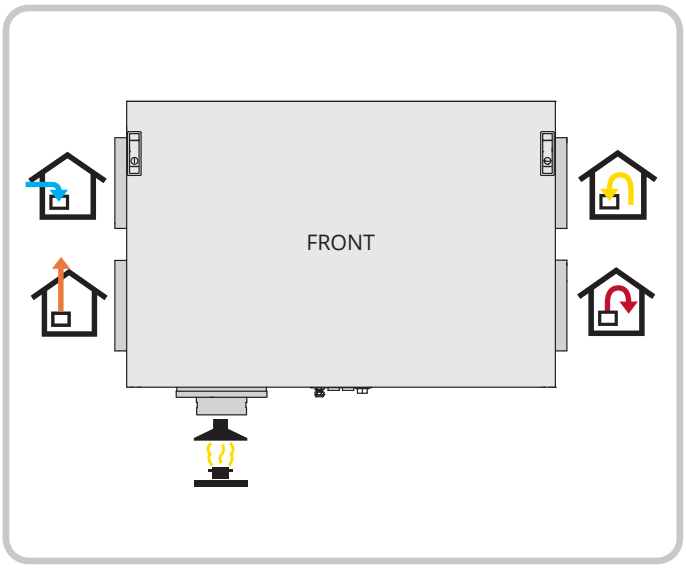
(right model)

7.3. NIPPLE LOCATION

Right model



Left model



8. Technical data, CL2

		CL2 RE with electrical heating coil
POWER	Rated voltage (AC 50 Hz)	230 V
	Frequency	50 Hz
	Fuse size	10 A
	Rated current	2,3 A
	Rated power, total	529 W
	Rated power, max. electrical heating coil	350 W
	Rated power, fans	2 x 85 W
	Rated power, rotor motor	4 W
	IP class*	21
VENTILATION	Fan type	B-wheel
	Fan motor control	0-10 V
	Max. fan speed RPM	3 200
	Automatic control	Flexit GO
	Filter class	ePM1 55% (F7)
	Filter type (supply air/extract air)	Compact filter
DIMENSIONS	Filter dimensions (WxHxD)	290 x 230 x 48 mm
	Kitchen fan connection	Dia. 125 mm
	Weight, ventilation unit	56 kg
	Weight, rotor	8,2 kg
	Weight, door	12,5 kg
	Weight, fan	1,2 kg
	Duct connection	Ø 160 mm
	Height	700 mm
	Width	1160 mm
	Depth	296 mm
COATING	Colour	White
	RAL	9016
	Gloss	25-35

*For installation on a ceiling

Energy class: **A**

CTRL 0.65

LOCAL DEMAND CONTROL

Sensor control for different zones
Accessories: App + CO_2-sensor/motion sensor + damper
Result: Increased air flow rate in zones that need it

www.flexit.com

9. Technical data, CL3

		CL3 RE with electrical heating coil
POWER	Rated voltage (AC 50 Hz)	230 V
	Frequency	50 Hz
	Fuse size	10 A
	Rated current	3.9 A
	Rated power, total	679 W
	Rated power, max. electrical heating coil	500 W
	Rated power, fans	2 x 83 W
	Rated power, rotor motor	4 W
	IP class*	21
VENTILATION	Fan type	B-wheel
	Fan motor control	0-10 V
	Max. fan speed RPM	3,200
	Automatic control	Flexit GO
	Filter class	ePM1 55% (F7)
	Filter type (supply air/extract air)	Compact filter
DIMENSIONS	Filter dimensions (WxHxD)	290 x 230 x 48 mm
	Kitchen fan connection	Dia. 125 mm
	Weight, ventilation unit	58 kg
	Weight, rotor	11,3 kg
	Weight, door	12,5 kg
	Weight, fan	1,5 kg
	Duct connection	Dia. 160 mm
	Height	700 mm
	Width	1160 mm
	Depth	296 mm
COATING	Colour	White
	RAL	9016
	Gloss	25-35

*For installation on a ceiling

Energy class: **A**

CTRL 0.65

LOCAL DEMAND CONTROL

Sensor control for different zones
Accessories: App + CO_2-sensor/motion sensor + damper
Result: Increased air flow rate in zones that need it

www.flexit.com

10. Technical data, CL4

		CL4 RE with electrical heating coil
POWER	Rated voltage (AC 50 Hz)	230 V
	Frequency	50 Hz
	Fuse size	10 A
	Rated current	4,5 A
	Rated power, total	1 050 W
	Rated power, max. electrical heating coil	800 W
	Rated power, fans	2 x 115 W
	Rated power, rotor motor	4 W
	IP class*	21
VENTILATION	Fan type	B-wheel
	Fan motor control	0-10 V
	Max. fan speed RPM	4,200
	Automatic control	Flexit GO
	Filter class	ePM1 55% (F7)
	Filter type (supply air/extract air)	Compact filter
DIMENSIONS	Filter dimensions (WxHxD)	290 x 230 x 48 mm
	Kitchen fan connection	Dia. 125 mm
	Weight, ventilation unit	58 kg
	Weight, rotor	11,3 kg
	Weight, door	12,5 kg
	Weight, fan	1,8 kg
	Duct connection	Dia. 160 mm
	Height	700 mm
	Width	1160 mm
	Depth	296 mm
COATING	Colour	White
	RAL	9016
	Gloss	25-35

*For installation on a ceiling

Energy class: **A**

CTRL 0.65

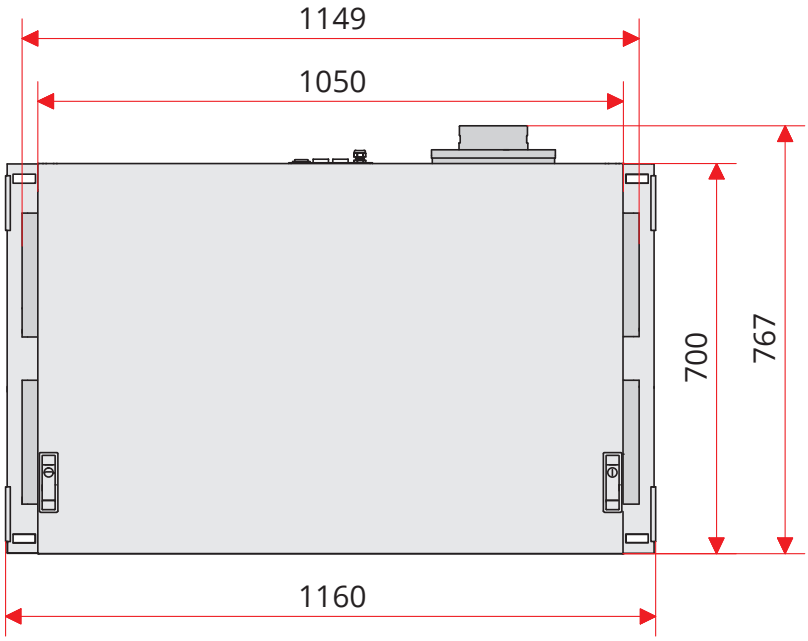
LOCAL DEMAND CONTROL

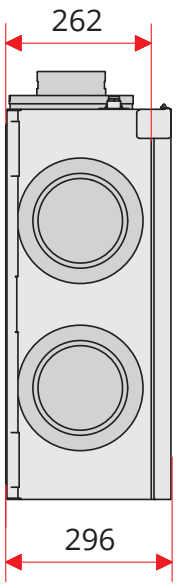
Sensor control for different zones
Accessories: App + CO_2-sensor/motion sensor + damper
Result: Increased air flow rate in zones that need it

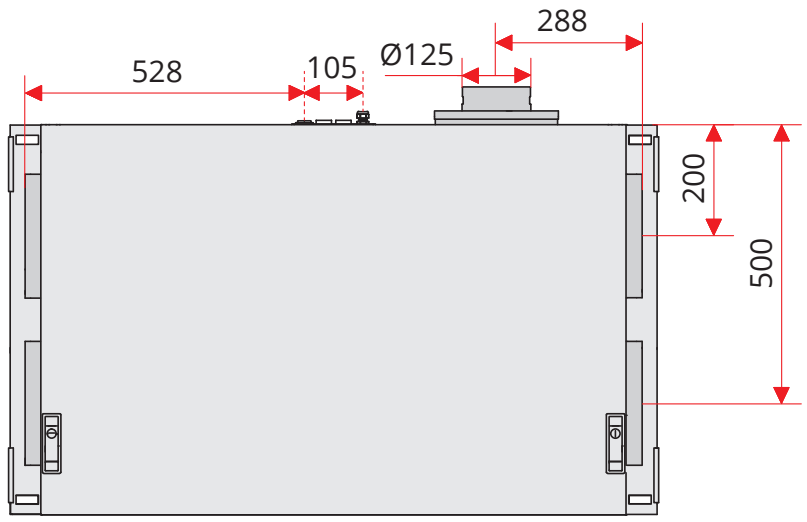
www.flexit.com

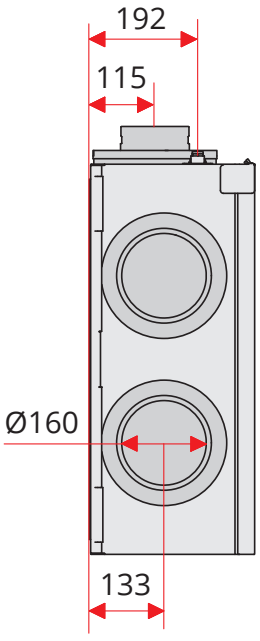
11. Dimensioned drawing

Dimensions in mm









12. Capacity and sound data

Capacity diagrams and performance data for the units can be found in the product data sheets and in our calculation program Flexit Select.

Product data sheet Nordic CL2

Product data sheet Nordic CL3

Product data sheet Nordic CL4

13. Final checks/Startup

13.1. FINAL CHECKS

Check the following points:

Description	Chapter	✓ Performed
Duct insulation has been carried out in accordance with the manual and technical documents	3	
Ducts have been connected to the correct nipples	7	
Adjustment has been carried out in accordance with the manual and project engineering documents	-	
The unit operates normally in all stages	-	
The rotor rotates freely	-	
Rotor rotates when heating is required	-	
Heating comes on	-	
Unit has filters for both outdoor air and extract air	3	

13.2. STARTUP AND CONNECTION OF THE UNIT

Flexit GO app



For installer, see startup guide (116628) for connection to net.

For end user, see startup guide (116908) for connection to net.

Using the Flexit GO app:
Alt. 1: Connect the unit to the home's router.
Alt. 2: Connect the unit to its own access point, see manual 116734.

- Connect the unit's power cable.
- The unit will now start.
- The unit will automatically carry out a startup procedure lasting approx. 3 min.
- Check that the app is connected to your unit. If not, follow the connection instructions in the startup guide for end user (116908).
- After the startup procedure the unit will follow the factory default operating settings.
- The settings can be changed using the app.
- Make sure that adjustment has been carried out in accordance with the manual and project engineering documents (ventilation data documentation).

Startup guide (installer)

Startup guide (end user)

NordicPanel
(accessory)



See manual (120018).

For use with a control panel (accessory):

- Check that the control panel has been wired up and connected to the unit according to the manual (120018).
- Connect the unit's power cable.
- The unit will now start.
- The unit will automatically carry out a startup procedure lasting approx. 3 min.
- After the startup procedure the unit will follow the control panel's default settings.
- The settings can be changed from the control panel.
- Make sure that adjustment has been carried out in accordance with the manual and project engineering documents (ventilation data documentation).

NordicPanel can be fitted to Nordic air handling units manufactured after 1 October 2022.

Just check for a cable on top of the unit marked "NordicPanel".
You can also install NordicPanel on older units manufactured between May 2019 and September 2022. All you need is a cable kit. Contact your nearest dealer for more information.

Installation instructions NordicPanel

14. 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.

15. 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.



Flexit participates in the ECP programme for RAHU.
Check ongoing validity of certificate:
www.eurovent-certification.com

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

FLEXIT®

Flexit AS, Moseveien 8, 1870 Ørje, Norway
www.flexit.com