2.0 18 HP - to meet the demand of the Canadian market

All-in-one AC unit with state-of-the-art monobloc technology that requires only two wall holes and has no outdoor condenser.

Preliminary Submittal Datasheet

Product code: C3NS15IC3UC (in Canada)
Model: 2.0 18HP -DC Inverter - 240V/60Hz-1Ph + ELEC 1.8 kW

NEW AXIAL FAN
- MORE POWERFUL THAN EVER

The new powerful axial fan delivers increased performance and allows for higher air volumes to be treated.

Easy installation

The installation follows the same logic as the now-classic **2.0**. The new axial fan, housed in the air intake, is to be pulled out and inserted into the air exhaust hole in the wall and connected to the device.

As standard, the appliance comes with the heating element set at 0.9 kW. It is possible to set the heating element to 1.8 kW, or to disable it during installation.

General Features

- BLDC Inverter compressor
- ECM fans (centrifugal)
- R32 refrigerant
- Auto restart
- Intelligent defrost
- No outdoor unit
- Condensate disbursement systems
- Onboard touch controller
- Field-configured 1800 W electric heat supplement. Staged as 900 W + 900 W
- Electronically controlled air louver
- 3 selectable fan speeds + Auto
- Easy to install Wi-Fi with Android/ iOS App
- Industry leading STC rating
- ModBus (Wi-Fi app.)
- Modes: Cool, Heat, Dehumidify, Auto
- Dry contact (CP)
- Washable filter
- Cabinet finish: RAL 9003 signal white -steel
- Available: underbody cover plate

Performance Specifications

Cooling Performance (35 °C: 27 °C)

Performance - Cooling - Max. 27 °C	**BTU/h**	15,000
Performance - Cooling - Nominal		11,290
Performance - Coolng - Min.		4,775
Performance - Cooling - Efficiency	**EER2**	15,74
Refrigerant		R32
Refrigerant charge	**kg**	0,50
Min. indoor air flow rate	**CFM**	176
Min. external air flow rate		235
Max. indoor air flow rate	**CFM**	294
Max. external air flow rate		441

Heating Performance (7 °C: 20 °C)

Performance - Heating - Max.	**BTU/h**	20,440
Performance - Heating - Compressor		14,300
Performance - Heating - Min.		3,300
Performance - Heating - Efficiency	**COP2**	8.45
Nominal Sound Pressure	**dB(A)**	46
Minimum Sound Pressure		30

	Electric heater additional power	Total heat capacity w/Elec
900 W	3,070 Btu	17,370 Btu
1800 W	6,140 Btu	20,440 Btu

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Electric Specifications (Power Supply = Hardwired Only) - Single Phase

Tension power supply		**(V / Hz / ph)**	230 / 60 / singe phase
Operating voltage range		**V**	208 to 253
Cooling	**Total (Compressor)**	**A**	6.6
Heating	**Total (Compressor)**		6.3
	Total (900 W)		10.3
	Total (1,800 W)		14.4
Circuit Breaker	**MCA**		20
	MCOP		30
	Recommended size		20

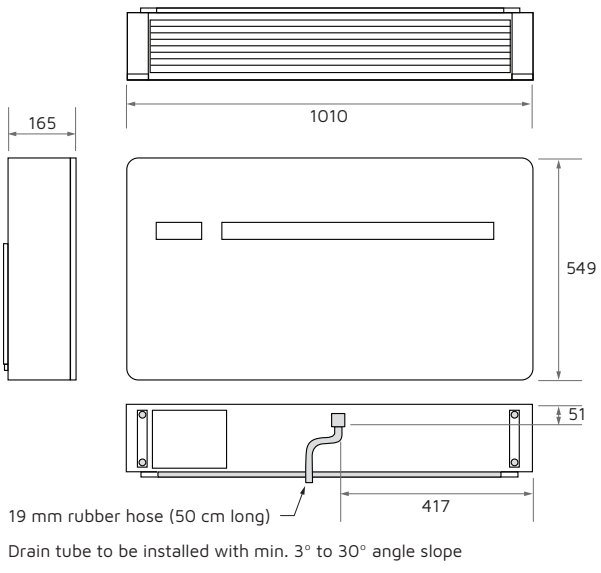
Optional Programming functions

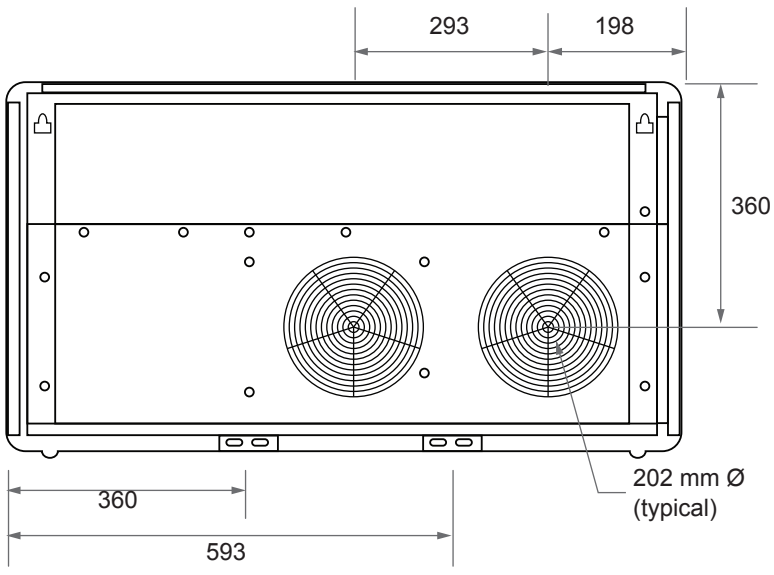
1) The heater resistance can easily be deactivated if not needed. The normal behavior in heat mode is that the heater resistance and the heat pump are running in parallel under specific conditions.
2) In heat mode, it is possible to run the heat pump in parallel with only the 0.90 kW (900 W) or the 1.8 kW (1800 W) heater resistance.
3) In heat mode, if the detected outdoor temperature remains under –10 °C for 15 minutes the heat pump will turn OFF. The heater resistance will turn ON (or it will be kept on if already running). Then, the unit will run only with the indoor fan and the resistance active.

All units come with

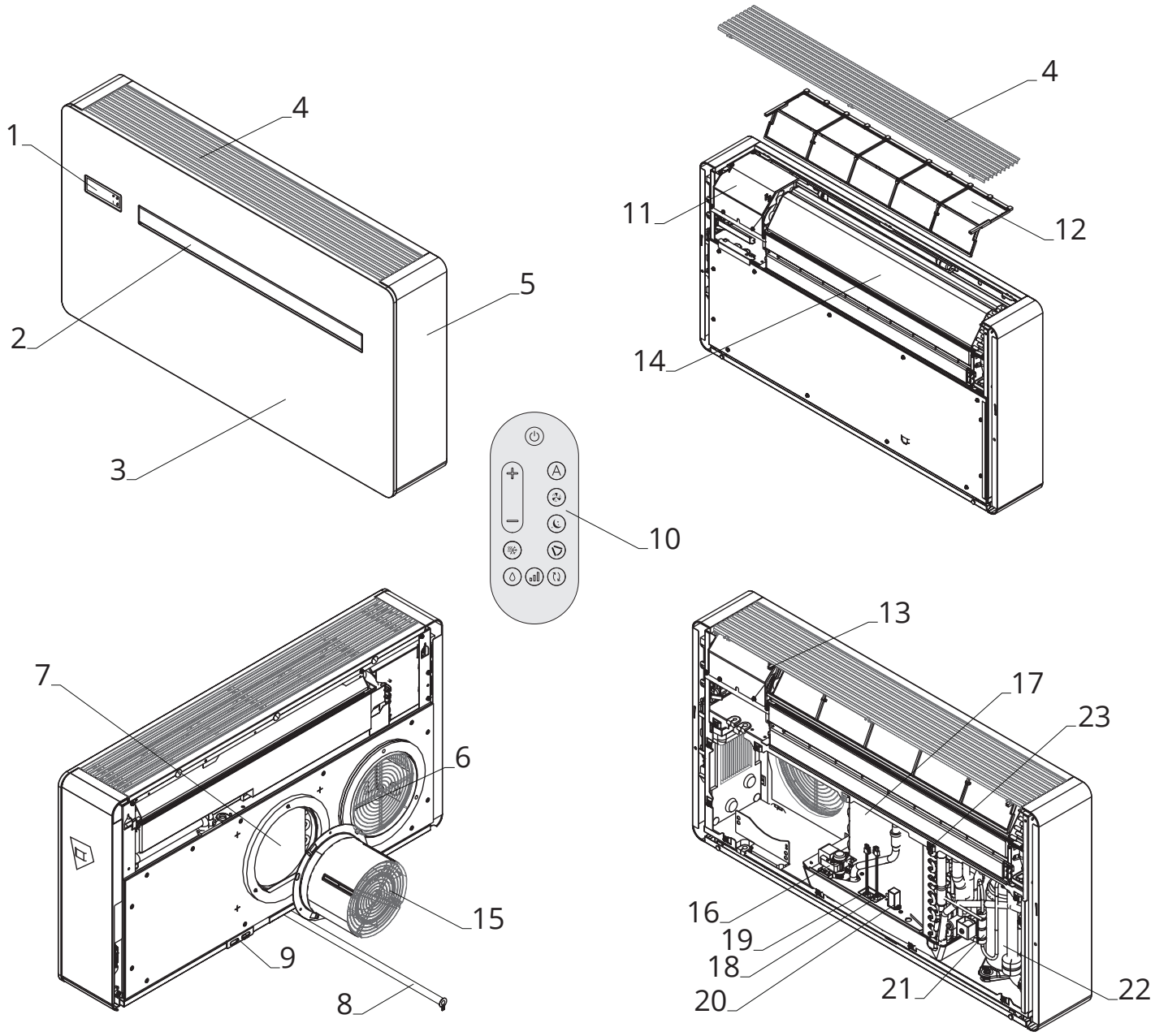
Heat exchangers, DC Inverter compressor, condensate release system with summer evaporation, EC fan on outdoor side and DC brushless fan, Wi-Fi connectivity, R32 gas – no power cord is provided.

Dimensions – Physical Data





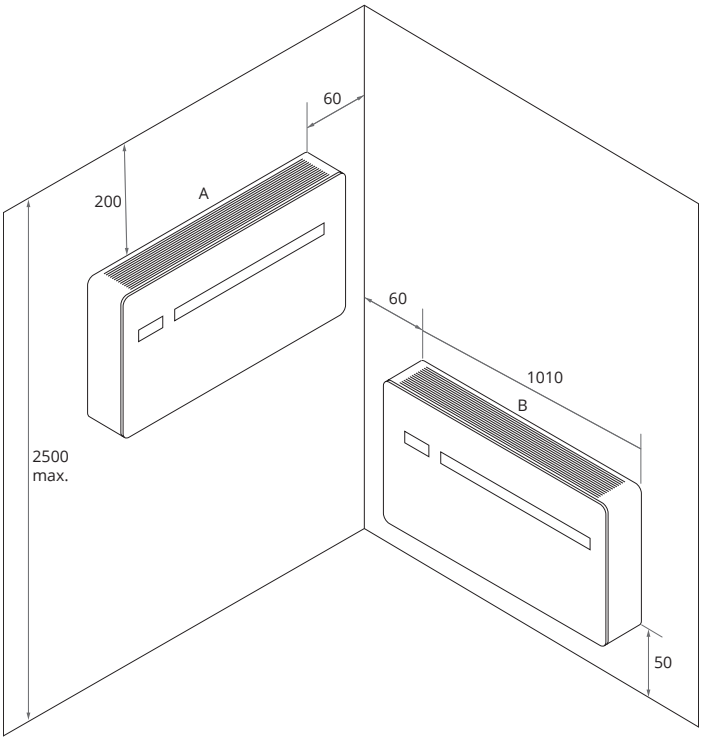
Components

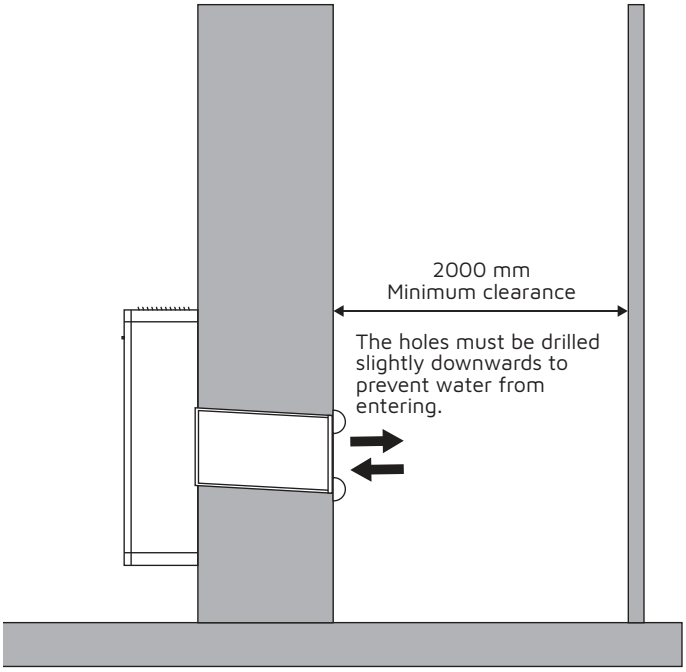


1. Control panel
2. Air outlet deflector
3. Front panel
4. Intake grille
5. Aesthetic side panel
6. Exernal air intake
7. External air expulsion
8. Condensate drain
9. Anti-lifting bracket
10. Remote control
11. Terminal block
12. Air filter
13. Room air probe
14. Internal exchanger
15. External fan
16. Condensation pump
17. External exchanger
18. Maximum level float
19. Level float
20. Condensation drain valve
21. Four-way valve
22. Compressor
23. External air probe

Installation

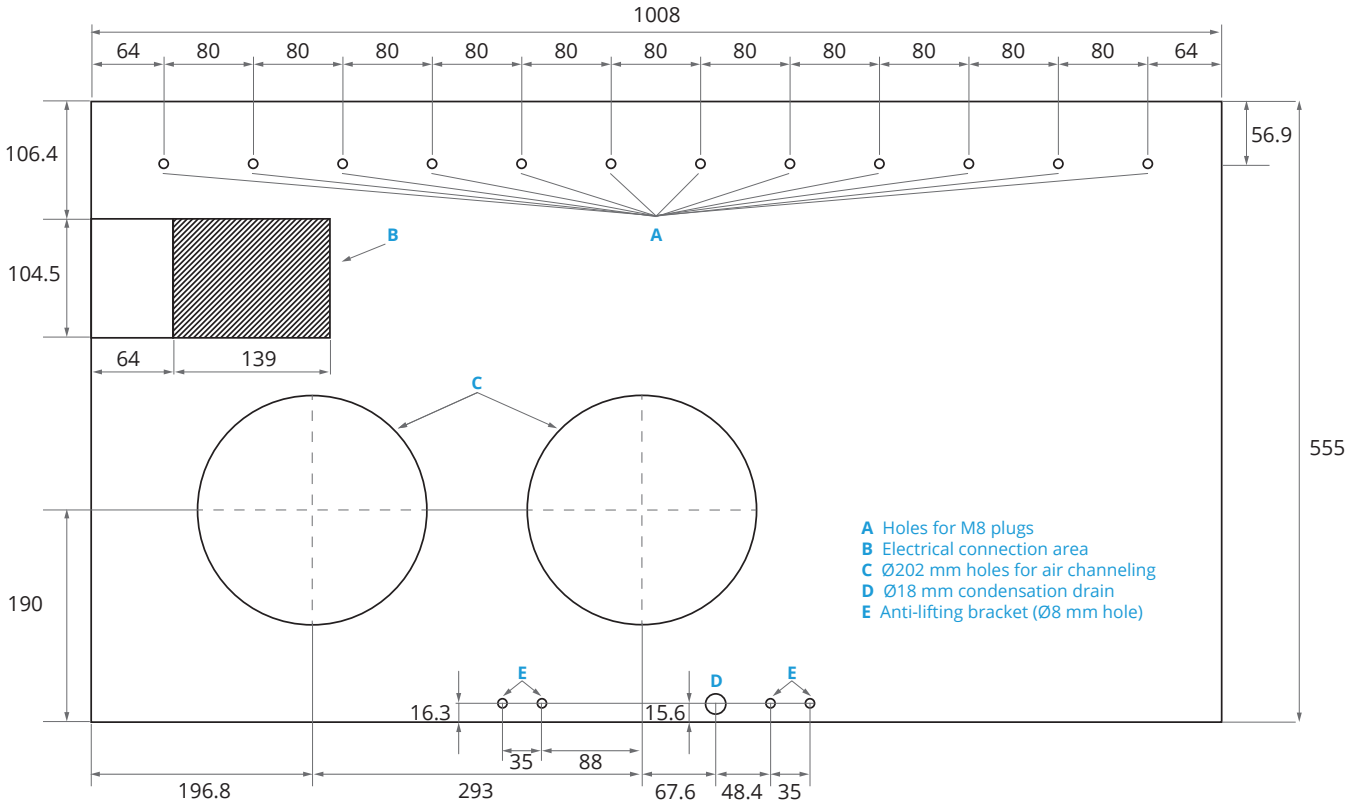
Clearance





Mounting Template

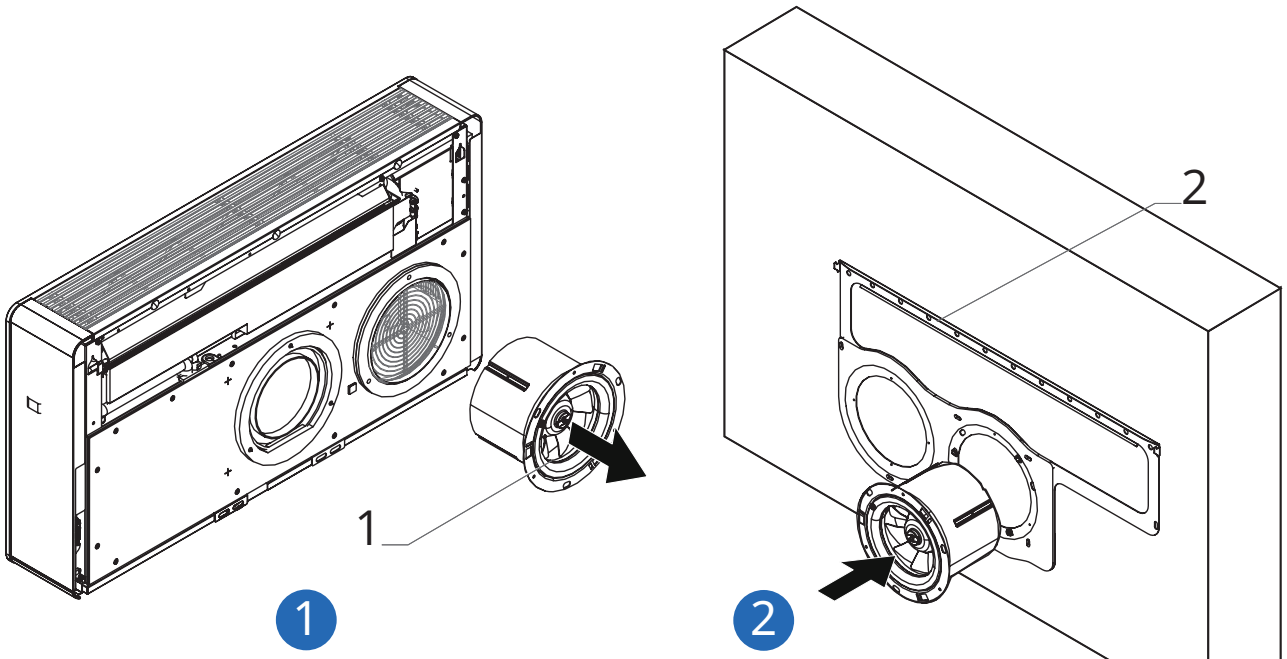
- For the unit to work, two holes with a 202 mm diameter must be placed as indicated on the template.
- The maximum depth of the holes is 1 m and there must be no bends.
- Use the supplied grids or grids with the same characteristics.

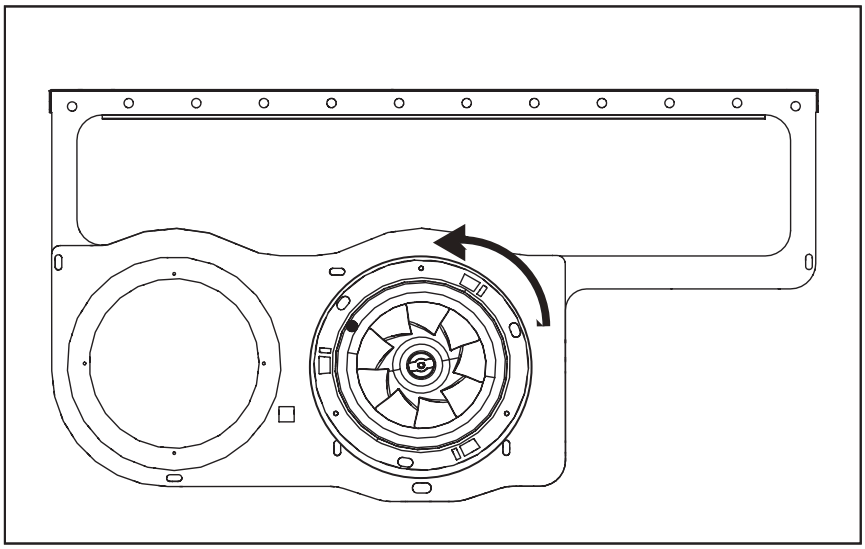


Installation

Positioning of the fan on the external side

- Extract the external side fan from the unit
- position the external side fan on the external air exhaust fitting
- Rotate the external side fan counterclockwise until it locks





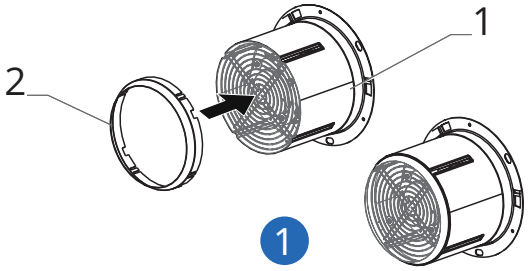
1. Fan
2. Wall mounting bracket

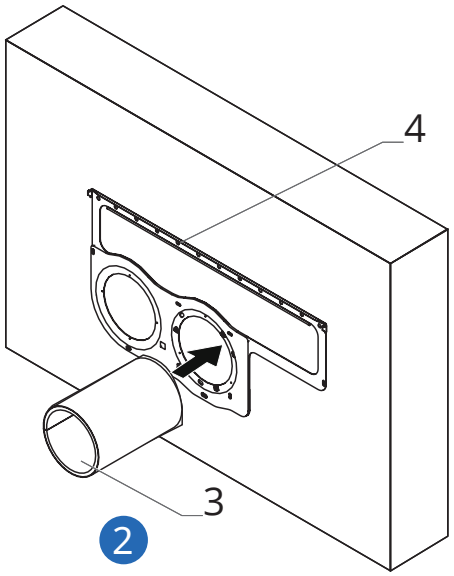
Installation

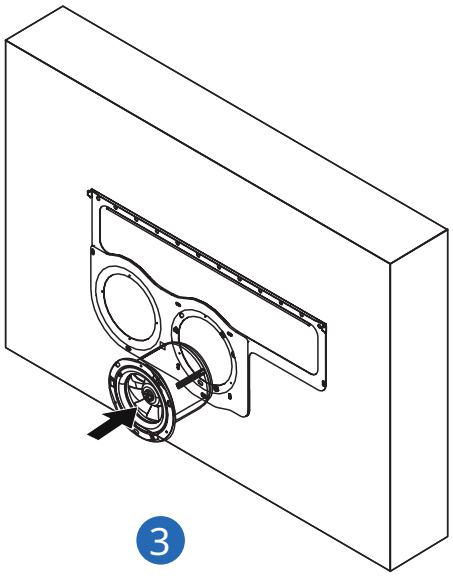
Positioning of the soundproofing material

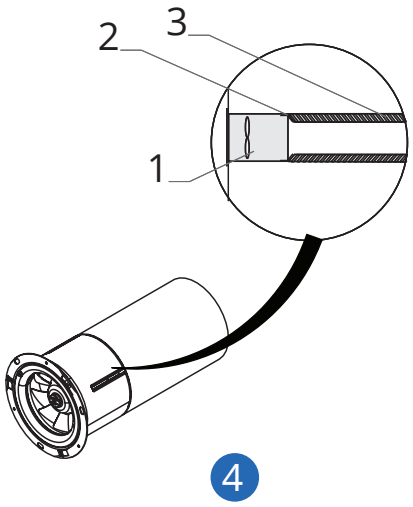
If you wish to soundproof the fan, follow the indicated procedure. To soundproof the fan:

- Secure the conveyor to the fan
- Cut the soundproofing material to the desired length, based on the wall depth
- Insert the soundproofing material into the hole
- Check that the soundproofing material makes good contact with the conveyor.









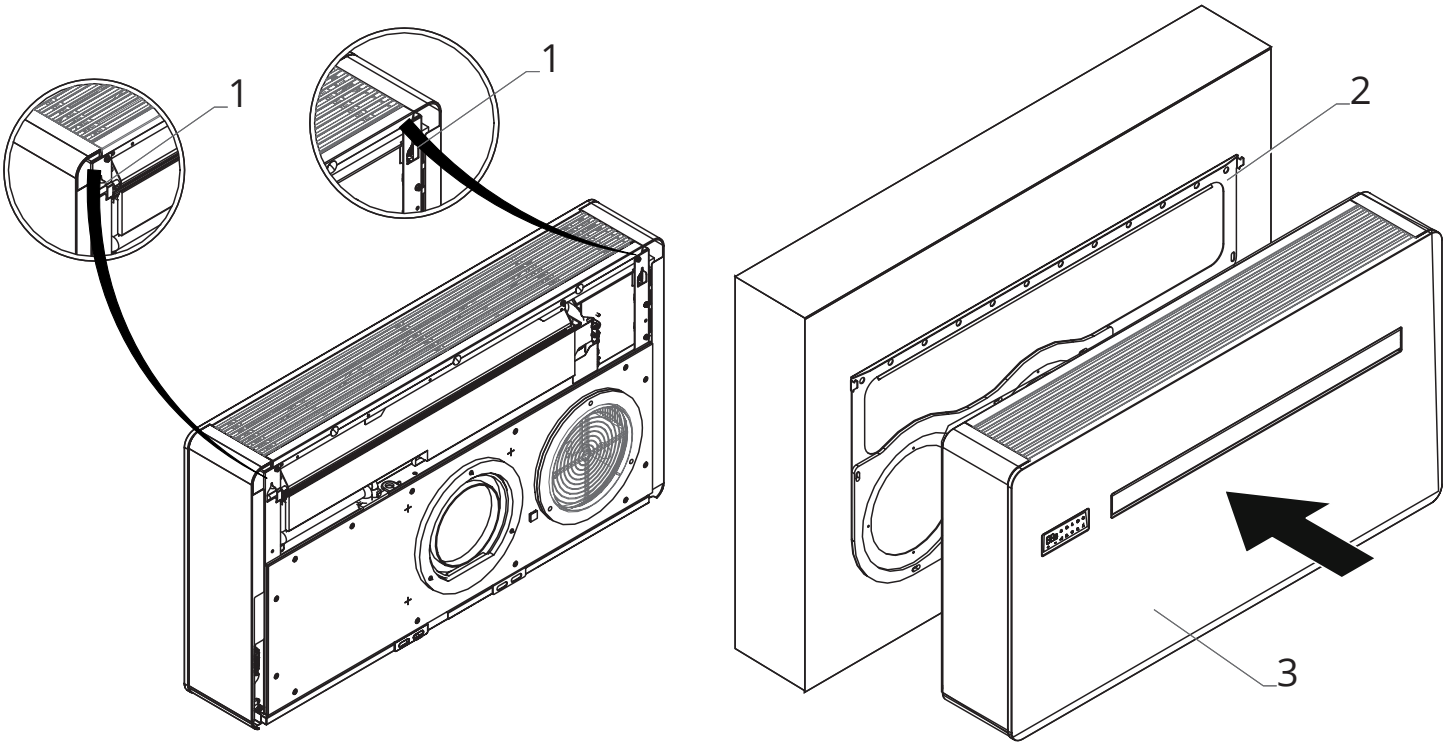
1. Fan
2. Conveyor
3. Soundproofing material
4. Fixing bracket

Installation

Positioning

- Fasten the unit to the upper part of the metallic support
- Verify the correct hooking to the interlocking points

To facilitate connections, a spacer can be used to keep the bottom of the unit away from the wall.



1. Mounting bracket
2. Fixing bracket
3. 2.0 unit