

L00772

Warnings

- ⚠ This instruction is an integral part of the booklet of the appliance on which the kit is installed. Please consult this booklet for general warnings and fundamental safety rules.
- ⚠ For a rapid and right assembly of the components follow carefully the sequences described in the various sections.
- ⚠ All the operations must be performed by qualified personnel using the required Personal Protective Equipment.

Installation kit for built-in box for lateral air ventilation SX

Use this kit to divert air laterally to a perimeter wall when you intend to place the air conditioner on an interior wall. The kit consist of:

- a formwork for the side air outlet
- cables electrical connections
- ⚠ This kit is compatible with the only DC Inverter versions.

Installation arrangement**Preliminary warnings**

- ⚠ Make sure that:
 - the wall on which you intend to install the unit has an appropriate structure and capacity
 - the wall surface is not crossed by pipelines or power lines
 - the wall surface is perfectly levelled
 - there are no obstructions nearby that could compromise the inlet and outlet airflow
 - air flow is not directed towards by-standers

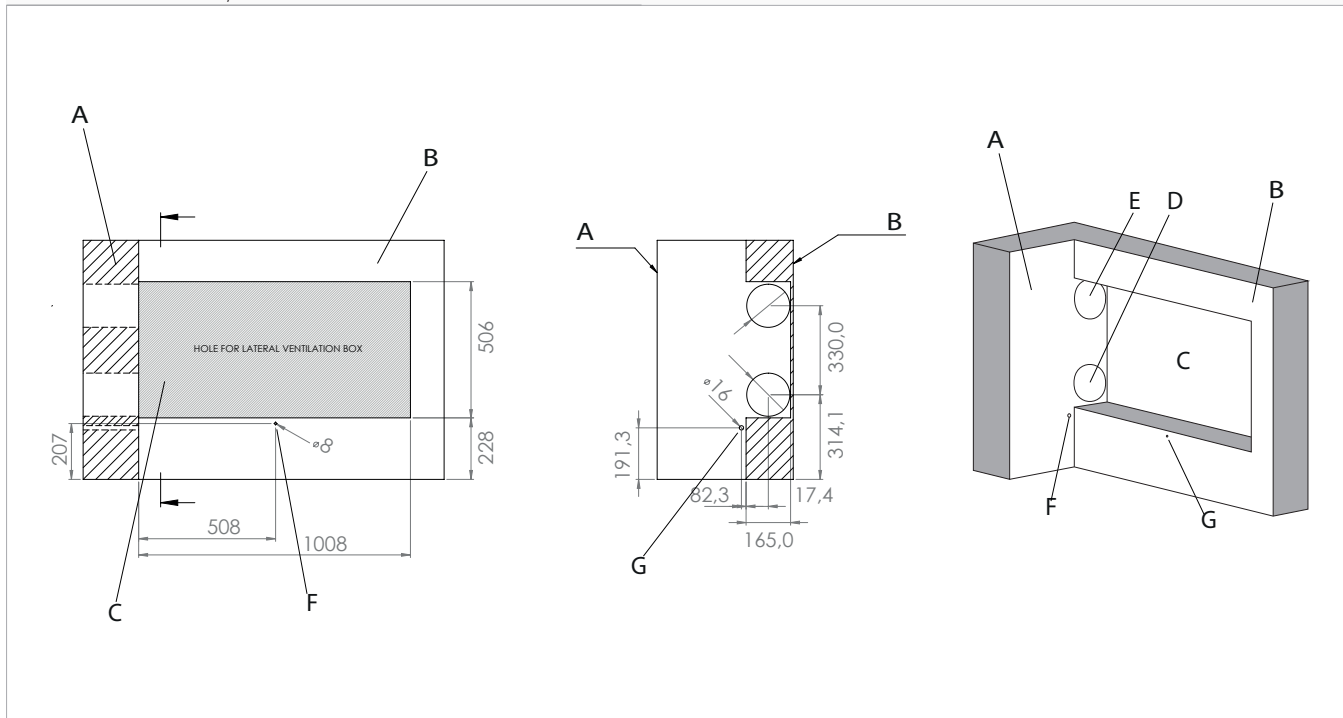
Preparation of the wall

To install the unit, prepare the wall for housing the metal casing.

| | |
|--------|---------|
| Width | 1008 mm |
| Height | 506 mm |
| Depth | 165 mm |

| | |
|----------|-------------------------|
| A | External perimeter wall |
| B | Wall housing formwork |
| C | Formwork space |
| D | Air outlet hole, 162 Ø |

| | |
|----------|-----------------------------|
| E | Air intel hole, 162 Ø |
| F | Hole for wall locking, 8 Ø |
| G | Condensate drain hole, 16 Ø |



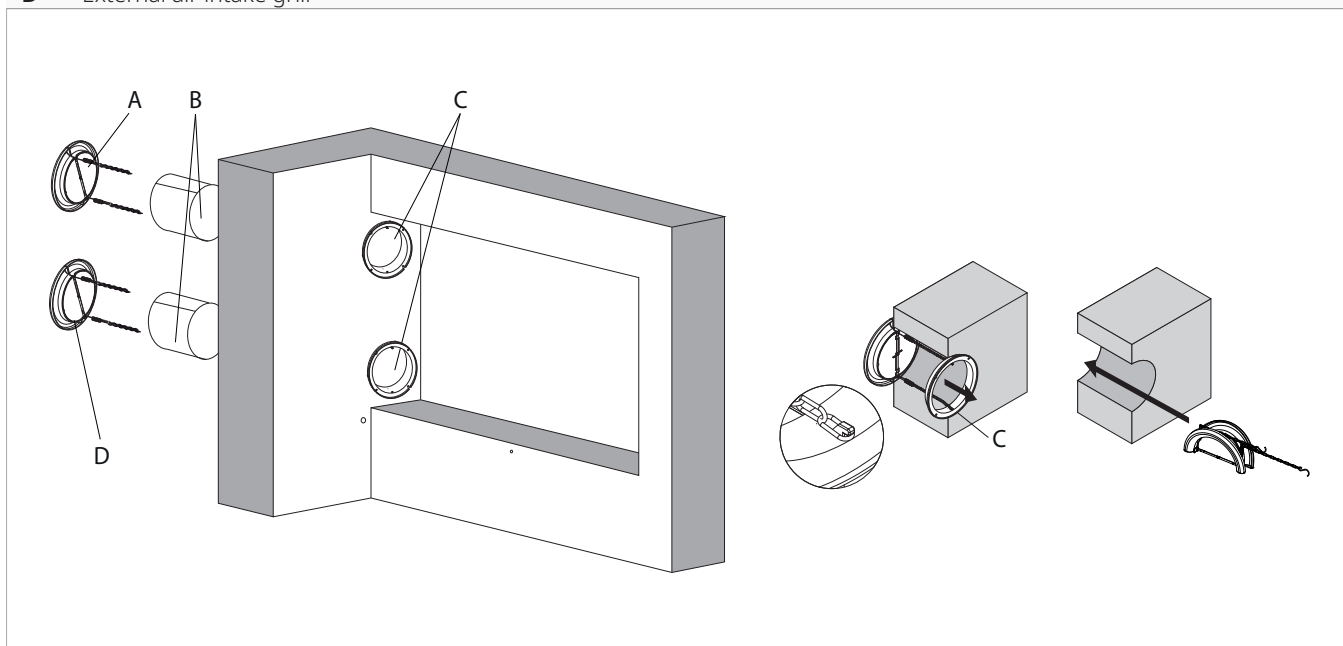
Kit assembly

External grids installation

Before proceeding with the installation of the kit, install the external grilles supplied with the appliance.

⚠ For the installation of the external grilles, refer to the installation manual of the appliance on which the kit is installed.

| | |
|----------|---------------------------|
| A | External air outlet grill |
| B | Wall inlet pipes (2pz) |
| C | External grill component |
| D | External air intake grill |



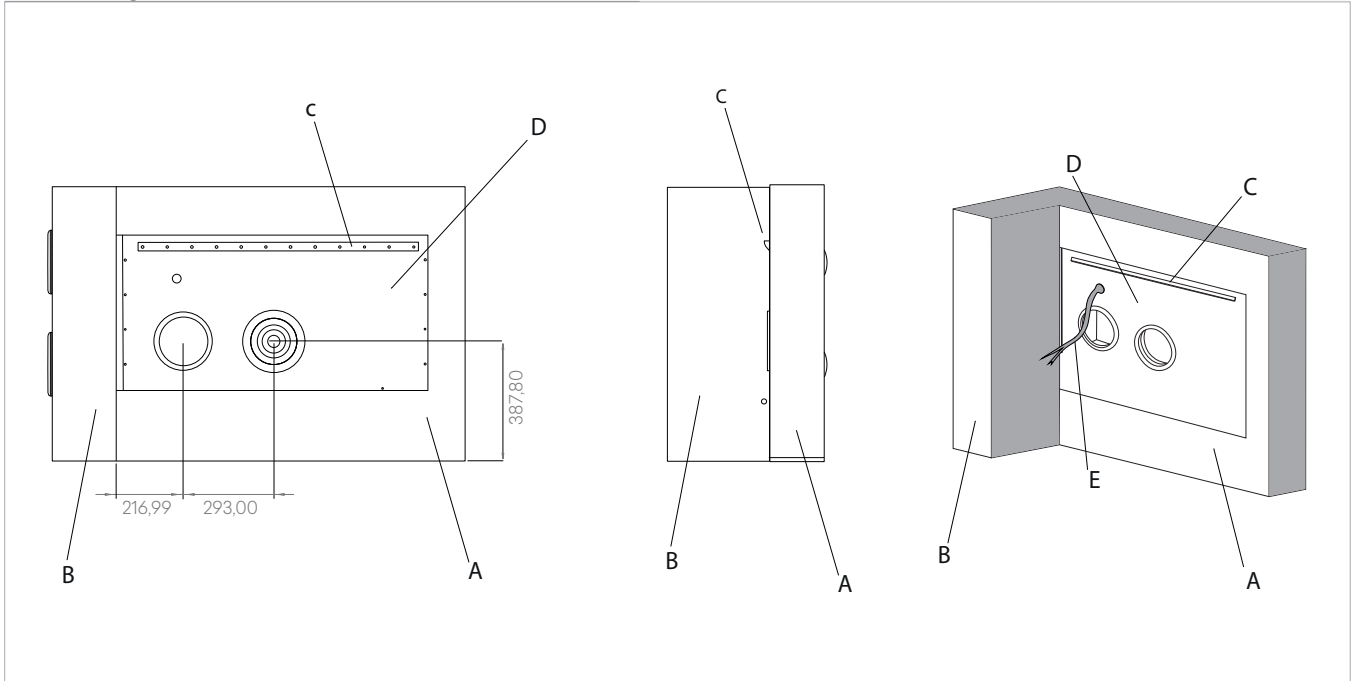
Box installation

- Insert the fromwork completely into the space provided

- Fix into the wall properly the fromwork

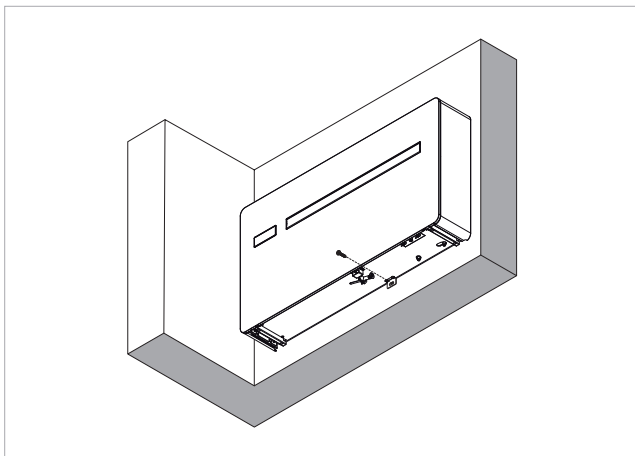
- A** Wall housing formwork
- B** External perimeter wall
- C** Fixing bracket 2.0

- D** Lateral ventilation box
- E** Electric connections



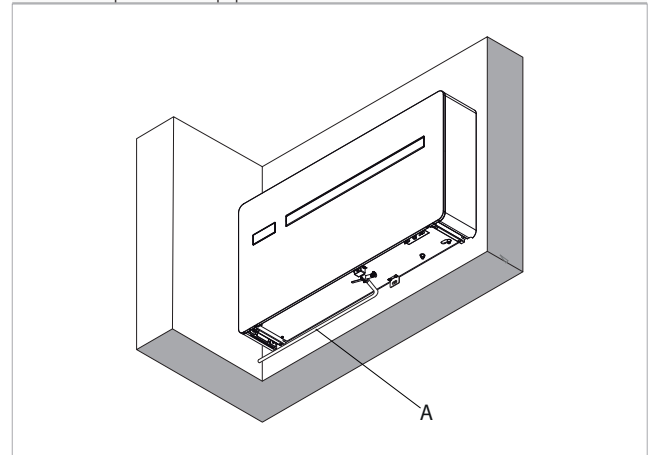
Unit installation

- ⚠ Before installing the unit on the bracket, run the cables coming out of the formwork through the left shoulder of the unit.
 - ⚠ For the installation of the appliance, refer to its installation manual.
- Anchor the machine to the wall by means of the special anti-lift bracket located at the bottom of the machine.



Connect the liquid drain pipe.

A Liquid drain pipe

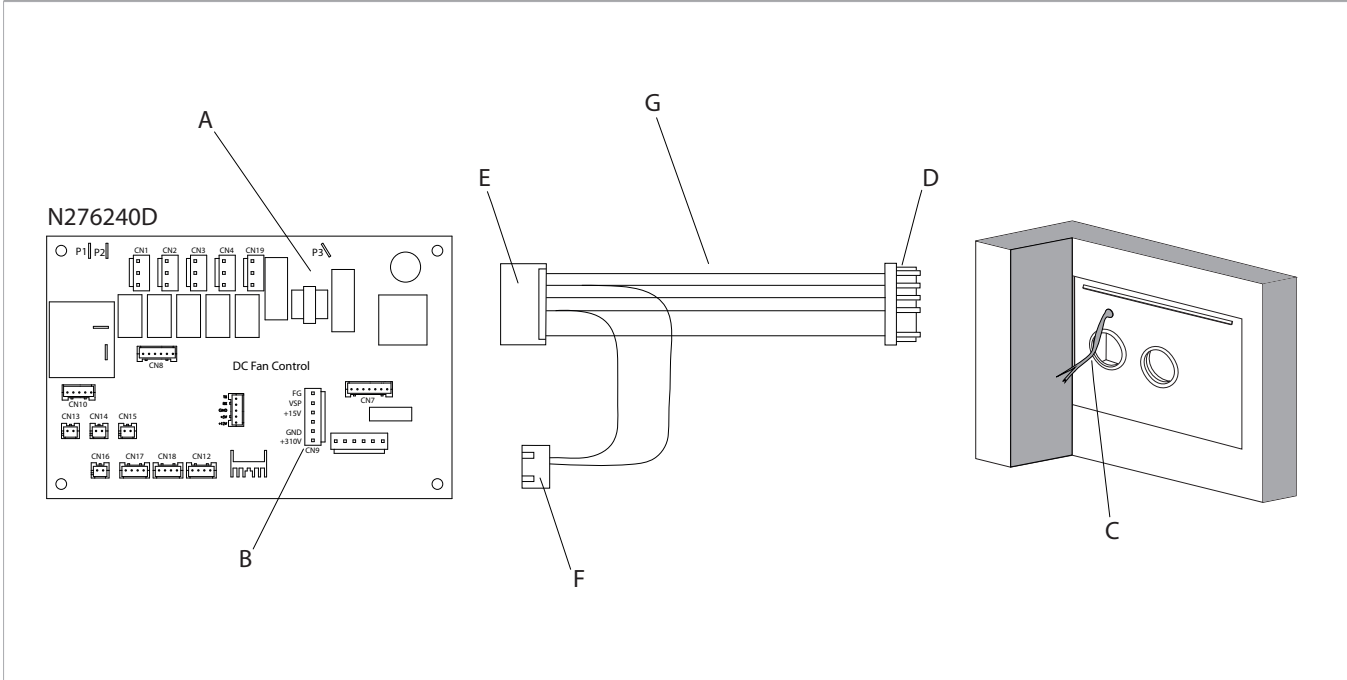


Electric connections

Refer to the manual of the appliance on which the kit is installed to access the electrical connections section.

- ⚠ To make electrical connections:
 - check that the formwork's power cables have been correctly routed through the left shoulder of the unit
 - use the cables supplied with the formwork (code N500172A and code N500169B).

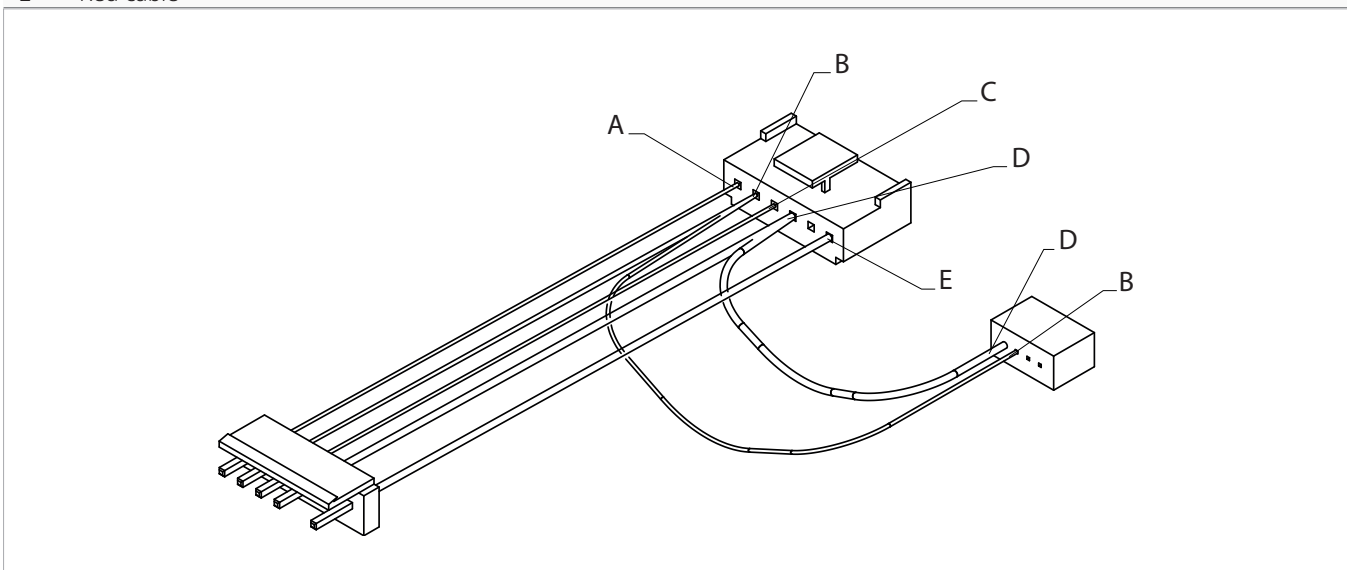
| | |
|----------|--|
| A | MAIN MCU board (cod. N276240D) |
| B | CN9 contact fan output |
| C | Formwork connection cables |
| D | Molex clamp, 6-way, 1 row, 3.96 mm pitch |
| E | PCB connector Molex, 6-way, 1 row, 3.96 mm pitch, female |
| F | Clamp JST-XH, 4-way, 1-row, 2.5 mm pitch |
| G | wiring N500172A |



- disconnect CN9 fan output contact (B), from MAIN MCU board N276240D
- connect the Molex PCB connector (E) to the CN9 fan output contact (B)
- connect the CN9 fan output contact (B), previously disconnected, to the molex terminal (D).
- connect the fan signal from the ventilation box to terminal JST-XH (F)

Connector N500172A

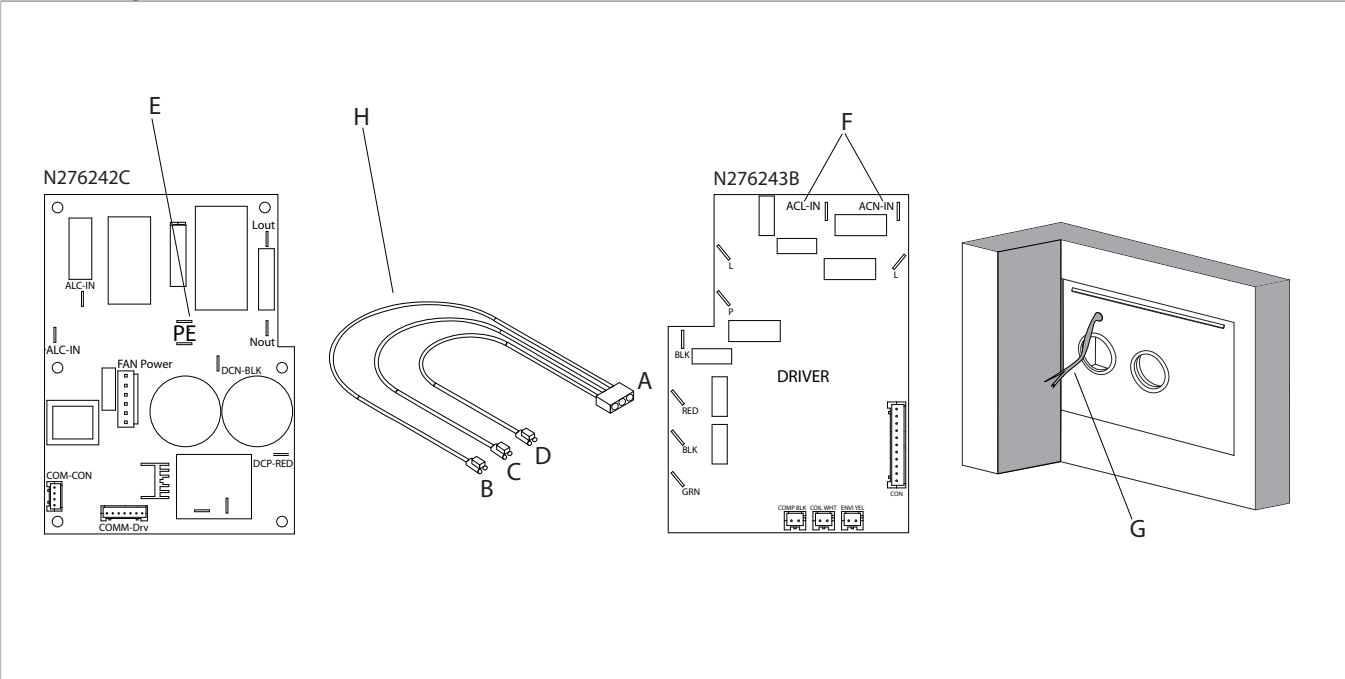
| | |
|----------|--------------|
| A | Blue cable |
| B | Yellow cable |
| C | White cable |
| D | Black cable |
| E | Red cable |



⚠ Please verify that the cable colours of the N500172A connector are correctly connected in sequence (blue, yellow, white, black and red) as shown in the picture.

⚠ If the connections are not correctly executed, please fix them before proceeding.

| | |
|----------|---|
| A | MATE N'LOCK female connector, for formwork fan power supply |
| B | Earth power supply |
| C | Power supply line |
| D | Neutral formwork fan power supply |
| E | PE |
| F | ACL_IN e ACN_IN |
| G | Formwork connection cables |
| H | Wiring N500169B |



- connect the MATE N'LOCK connector (A) to the formwork connection cable (G) of the external fan
- disconnect the cables on ACL_IN and ACN_IN (F) from the Driver board N276243B
- connect the wires of the N500169B wiring on the driver. Connect the power supply line (brown) (C) on ACL_IN and the neutral formwork fan power supply (blue) (D) on ACN_IN
- Reconnect the driver wires in the faston piggy bags (blue on ACN_IN and RED on ACL_IN)
- disconnect the ground wires on the power board from the central PE connector (E)
- connect the yellow/green power supply ground wire (B) of the N500169B wiring on PE contact (E) of the power board
- reconnect the previously disconnected wires on the double faston.