

SITE PREPARATION

DIMENSIONS, LOCATION AND PREPARATION

Guidance for designers and builders: where to place the units, what wall opening to prepare and what must be completed before installation.

01 UNIT LOCATION**02** DIMENSIONS**03** WALL OPENING**04** ELECTRICAL CONNECTION

SINGLE-ROOM HEAT RECOVERY UNIT

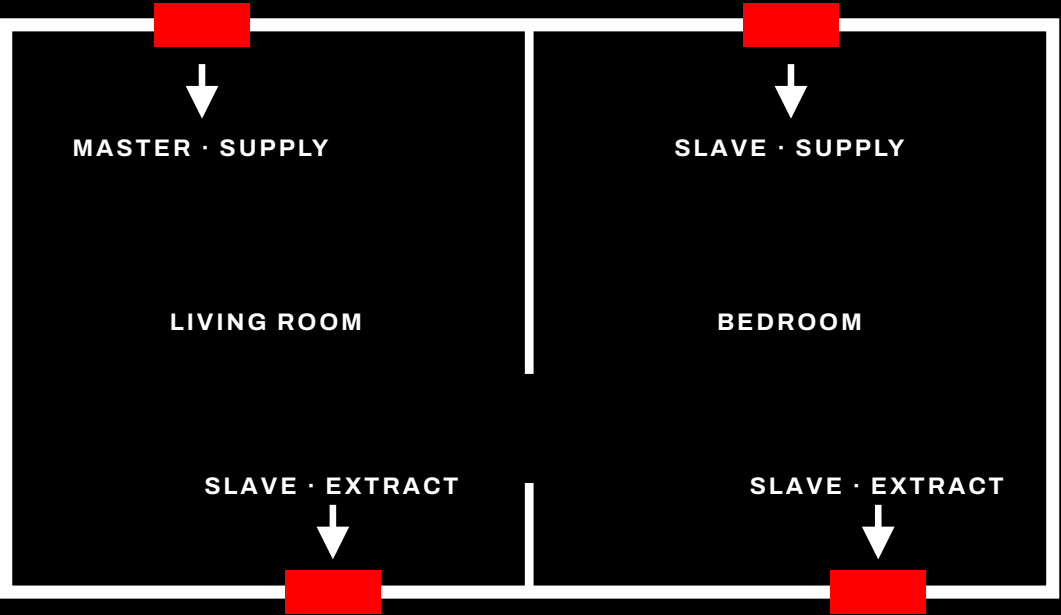
AERO SOLO

50 · 100

DESIGNED BY N2N IN SLOVAKIA

01 · LOCATION

UNIT LOCATION



PAIRED UNITS OPERATE IN COUNTER-PHASE – ONE SUPPLIES, THE OTHER EXTRACTS

The units are installed in external walls. The best ventilation is achieved with units in pairs – one supplies while the other extracts.

UNITS IN THE ROOM	ideally in pairs
WALL THICKNESS SOLO 50	250–500 mm
WALL THICKNESS SOLO 100	355–500 mm
ROOM TEMPERATURE	above +5 °C

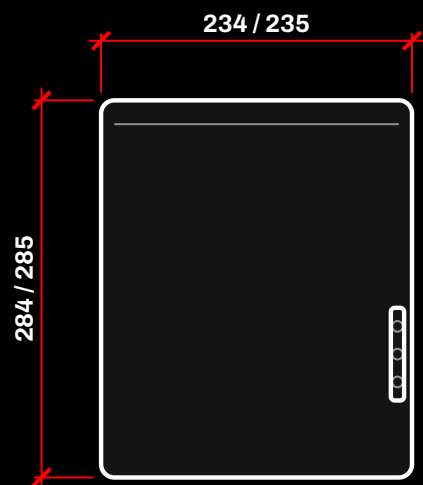
- Place paired units as far apart as possible, e.g. on opposite walls or in adjacent rooms.
- The recommended mounting height is min. 2 m above the floor, clear of furniture and curtains.
- Leave min. 0,3 m from the room corner and ceiling to open the cover.
- The outer hood must not open into an enclosed space, near a source of odours or under a gutter.
- Ensure Wi-Fi signal at the installation location.

02 · DIMENSIONS

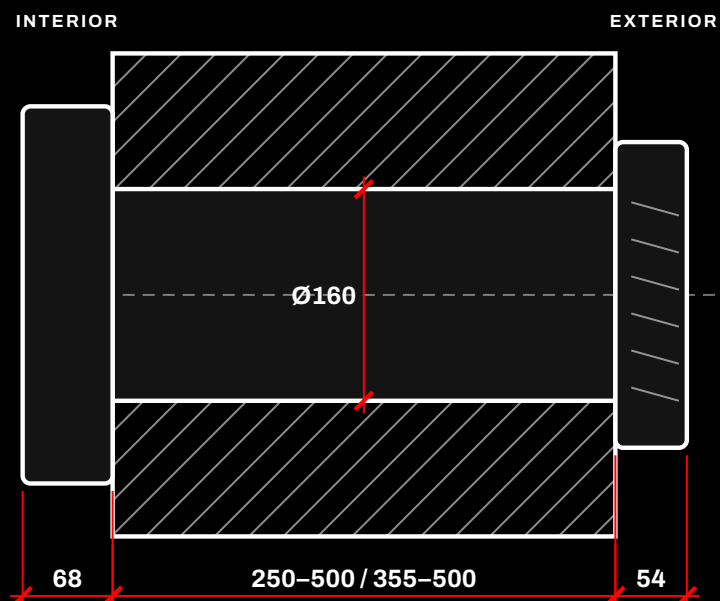
DIMENSIONS

AERO SOLO 50 / 100

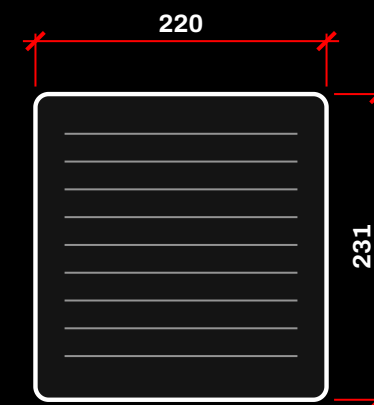
Dimensions in mm (AERO SOLO 50 / AERO SOLO 100). The indoor panel is on the room side, the outer hood on the façade.



INDOOR PANEL



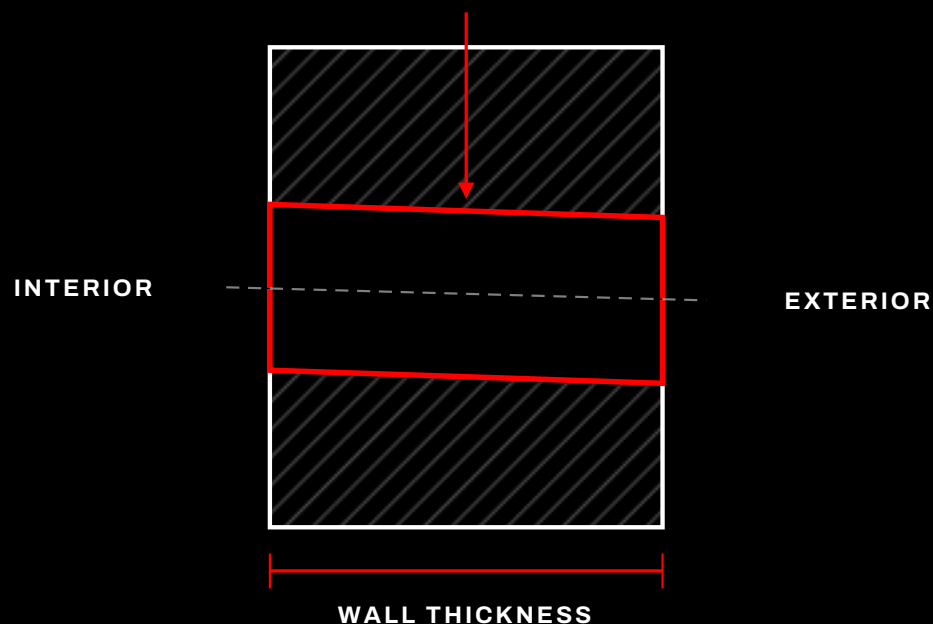
WALL SECTION



OUTER HOOD

03 · OPENING

WALL OPENING

OPENING Ø170 mm · SLOPE 1–2° OUTWARDS

Prepare the opening before plastering and insulation. A Ø160 mm duct is inserted into the opening and foamed in.

OPENING DIAMETER	Ø170 mm
DUCT	Ø160 mm
SLOPE	1–2° outwards
DUCT LENGTH	= wall thickness

- Drill with a core drill; the opening must be straight and intact.
- The slope towards the outside prevents water from running in.
- With ETICS insulation, include the insulation in the wall thickness.
- Do not route other services through the opening – the duct must be clear along its entire length.

04 · ELECTRICAL

ELECTRICAL CONNECTION



L – PHASE · N – NEUTRAL · PE – PROTECTIVE CONDUCTOR

Bring a 230 V power supply to each unit, terminated next to the wall opening on the room side. The connection may only be made by a licensed electrician.

	AERO SOLO 50	AERO SOLO 100
Power supply	230 V	230 V
Power input (max.)	7 W	18 W
Circuit breaker	B6	B6
Cable	CYKY-J 3×1,5	CYKY-J 3×1,5

- Bring the cable out next to the opening, within the area of the indoor panel, with a reserve of approx. 0,3 m.
- Several units can share one circuit breaker.
- Control is wireless – no other cables are needed.