

SITE PREPARATION

DIMENSIONS, LOCATION AND PREPARATION

Reference for the designer and the builder: where to place the unit, what dimensions and space it needs and what must be prepared before installation – ducts, condensate drain and electrics.

01 UNIT LOCATION

03 DIMENSIONS AERO E550

05 CONDENSATE DRAIN

02 DIMENSIONS AERO E350

04 DUCT CONNECTION

06 ELECTRICAL CONNECTION



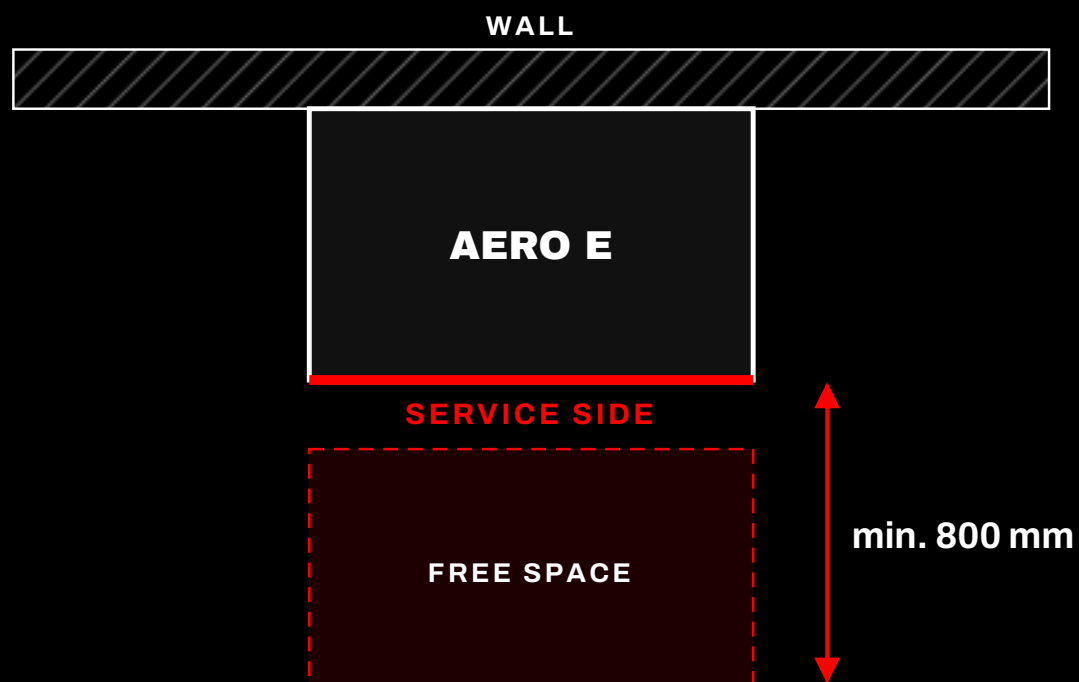
HEAT RECOVERY VENTILATION UNIT

AERO E

E350 · E550 · L / R

DESIGNED BY N2N IN SLOVAKIA

01 · LOCATION

UNIT
LOCATION

The unit is installed inside the building – on the wall or on the floor. Free space must be left in front of the service side for filter replacement and servicing.

SPACE IN FRONT OF SERVICE SIDE	min. 800 mm
ROOM TEMPERATURE	+1 to +40 °C
ROOM HUMIDITY	max. 60 %
WEIGHT E350 / E550	26 / 55,5 kg
MOUNTING	wall or floor

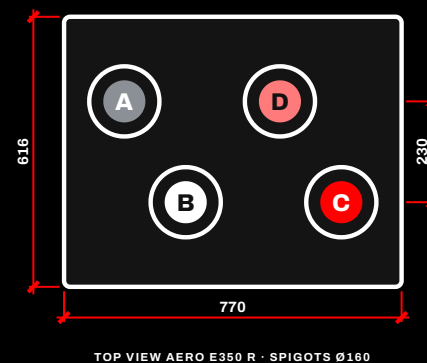
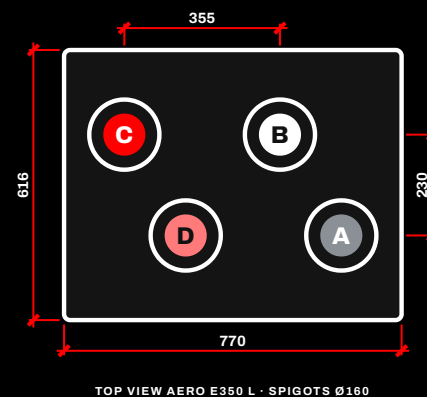
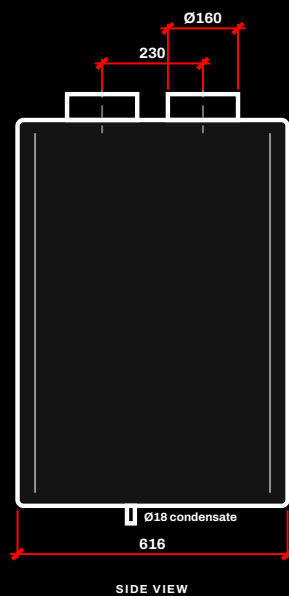
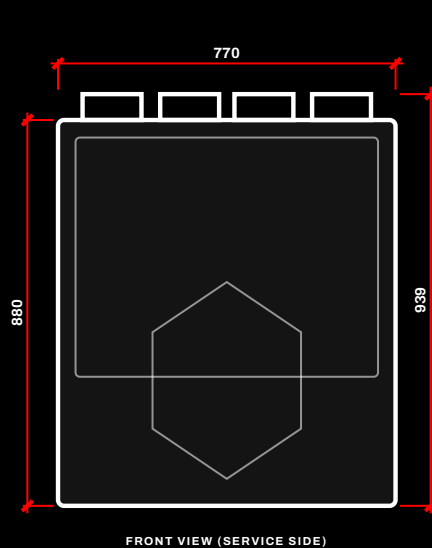
- The wall must bear the weight of the unit – for lightweight partitions, mount the unit on the floor.
- Suitable location: plant room, storeroom, attic with a temperature above +1 °C.
- Do not place next to bedrooms – separate the unit by at least one door.
- Ensure Wi-Fi signal at the installation location.

02 · DIMENSIONS

DIMENSIONS

AERO E350

Dimensions in mm. Height with spigots 939 mm, spigots Ø160 mm. The L or R version only changes the order of the spigots – choose it according to the duct routing.



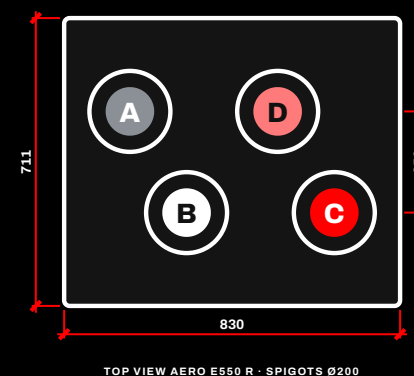
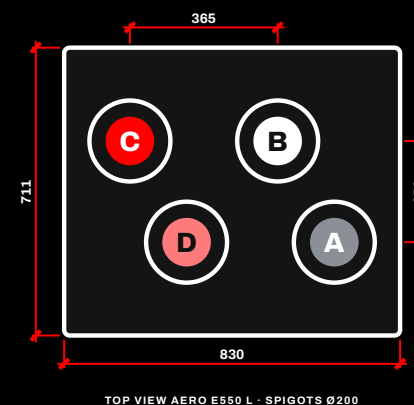
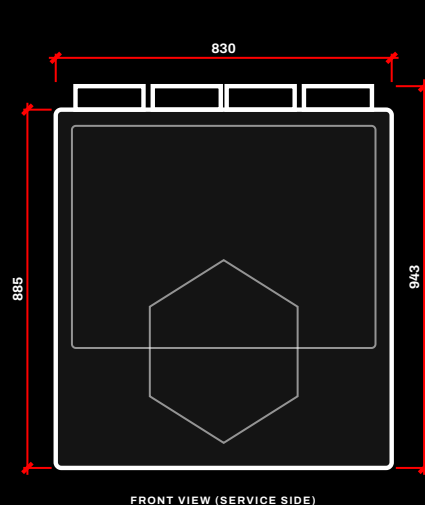
A exhaust · B outdoor · C supply · D extract

03 · DIMENSIONS

DIMENSIONS

AERO E550

Dimensions in mm. Height with spigots 943 mm, spigots Ø200 mm. The L or R version only changes the order of the spigots – choose it according to the duct routing.



A exhaust · B outdoor · C supply · D extract

04 · DUCTS

DUCT CONNECTION



SPIGOT	AIR	WHERE TO
A	Exhaust	outside to façade / roof
B	Outdoor	from façade / roof
C	Supply	to habitable rooms
D	Extract	from kitchen, bathroom, WC

Each spigot is connected to a separate duct. Leave straight sections in front of the spigots to reduce pressure losses and noise.

SPIGOT DIAMETER E350 Ø160 mm

SPIGOT DIAMETER E550 Ø200 mm

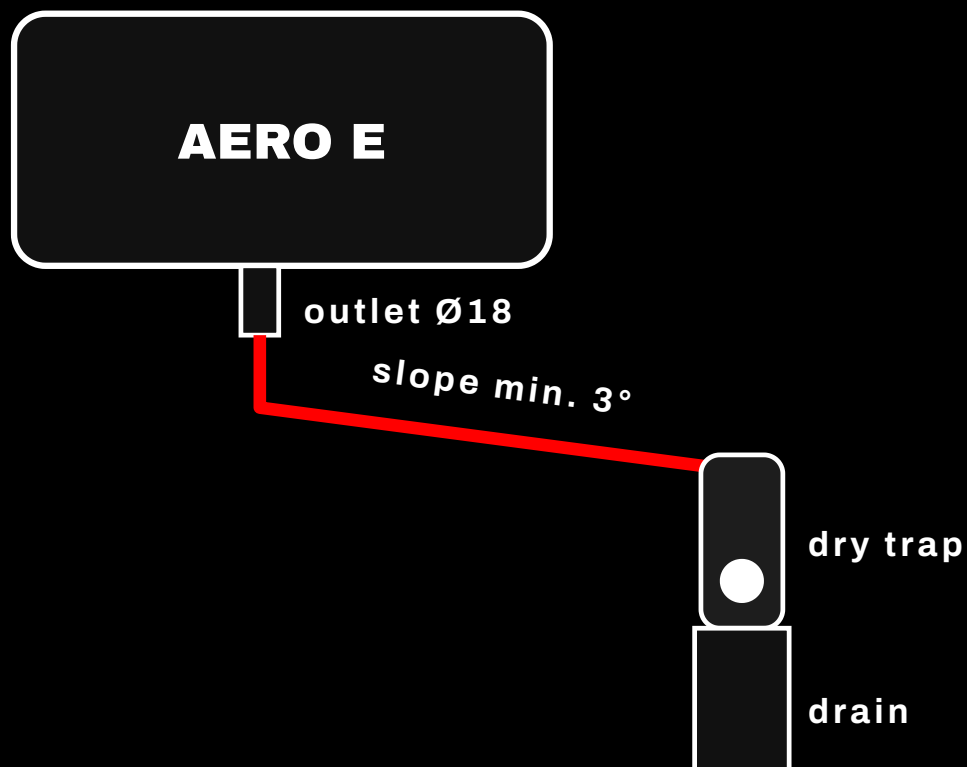
STRAIGHT SECTION – INLET min. 1 × D

STRAIGHT SECTION – OUTLET min. 3 × D

- Insulate ducts A and B (exhaust and outdoor air) thermally and vapour-tight along their entire length.
- Place the intake and exhaust on the façade as far apart as possible so that exhaust air is not drawn back in.
- Do not place the intake near bins, chimneys or parking spaces.
- Prepare wall penetrations to match the spigot diameter.

05 · CONDENSATE

CONDENSATE DRAIN



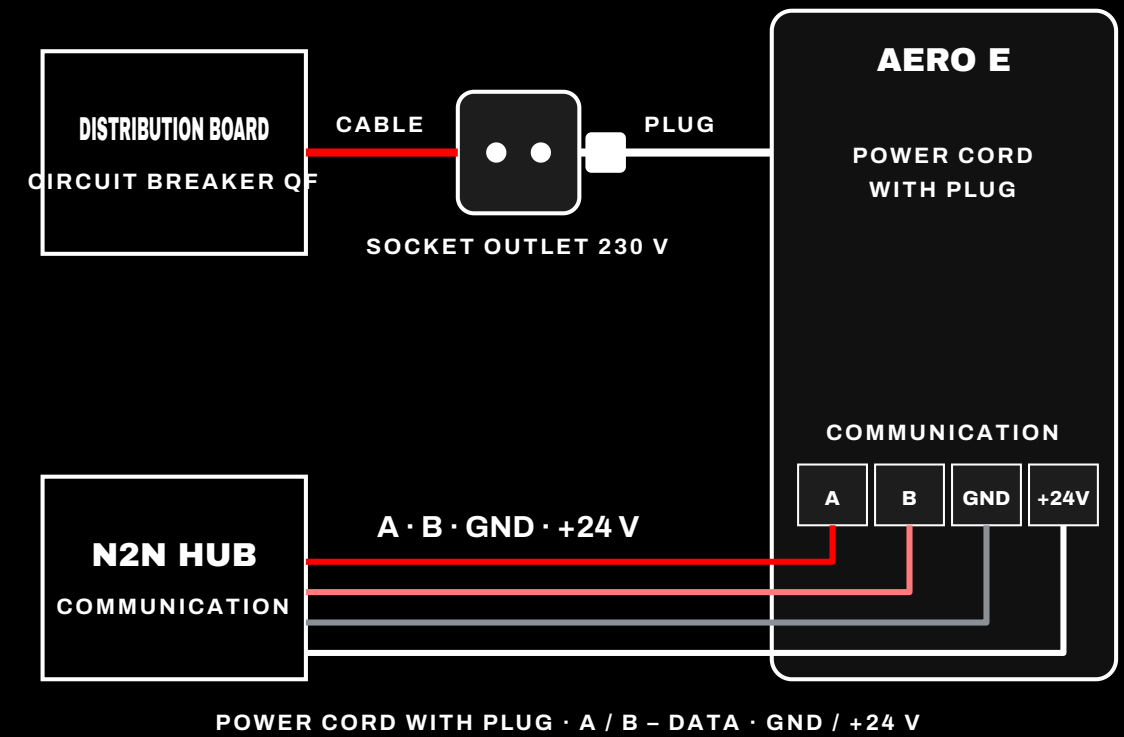
Little condensate forms, mainly during severe frost. However, always connect the Ø18 mm outlet at the bottom of the unit to the drain.

OUTLET FROM UNIT	Ø18 mm
SLOPE	min. 3°
TRAP	dry
CONNECTION	drain

- Provide a drain connection near the unit.
- The hose to the trap must run continuously downwards – without rises or sags.
- Do not connect without a trap – the unit would draw in sewer odours.
- In unheated spaces, insulate the drain line to prevent it from freezing.

06 · ELECTRICAL

ELECTRICAL
CONNECTION



The unit is supplied with a power cord with plug – you only need to provide a 230 V socket outlet next to the unit and a communication cable from N2N HUB. The socket circuit must be installed by a licensed electrician.

	AERO E350	AERO E550
Power supply	socket outlet 230 V	socket outlet 230 V
Power input (max.)	1263 W	1746 W
Circuit breaker	B10	B16
Cable to socket outlet	CYKY-J 3×1,5	CYKY-J 3×2,5
Cable to N2N HUB	J-Y(St)Y 2×2×0,8	J-Y(St)Y 2×2×0,8

- Install a 230 V socket outlet within 1 m of the unit, on a dedicated circuit breaker.
- Provide a shielded communication cable from the unit to N2N HUB (A, B, GND, +24 V).
- Leave the communication cable at the unit with approx. 1 m of slack.