

TECHNICAL DATA SHEET

HEAT RECOVERY VENTILATION WITH ENTHALPY EXCHANGER

Central heat recovery ventilation unit for the whole house. Recovers both heat and moisture from the extract air and prevents dry indoor air in winter. Electric preheater built in.

410 / 720

AIRFLOW m³/h

up to 84 %TEMPERATURE
EFFICIENCY**26 dB(A)**

E350 · 3 m

A

ENERGY CLASS

ENTHALPY EXCHANGER

Recovers both heat and moisture. Prevents dry indoor air in winter and produces minimal condensate.

QUIET OPERATION

EPP casing with 45 mm insulation and low-energy EC fans.

BUILT-IN PREHEATER

The built-in electric preheater protects the exchanger from freezing down to -25 °C.

SMART CONTROL

Wi-Fi and app, weekly schedule, Boost, automatic bypass, Modbus RTU.



HEAT RECOVERY VENTILATION UNIT

AERO E

E350 · E550 · L / R

DESIGNED BY N2N IN SLOVAKIA

PARAMETERS

PERFORMANCE
AND ENERGY

Data for both sizes. The L or R version only determines the spigot layout.

PARAMETER	UNIT	AERO E350	AERO E550
Airflow (max.)	m³/h	410	720
Temperature efficiency (max.)	%	84	80
Moisture recovery efficiency (max.)	%	79	56
Energy efficiency class (SEC)		A	A
Exchanger type		counterflow enthalpy	counterflow enthalpy
Power supply	V / Hz	1~230 / 50	1~230 / 50
Fan power input (max.)	W	213	346
Electric preheater (built-in)	W	1050	1400
Total power input (max.)	W	1263	1746
Fan / preheater current	A	1,62 / 4,66	2,4 / 6,21
Total current (max.)	A	6,28	8,61
Sound pressure at a distance of 3 m	dB(A)	26	38

Temperature efficiency and moisture recovery efficiency are maximum values at low airflow. The curves as a function of airflow are on page 4.

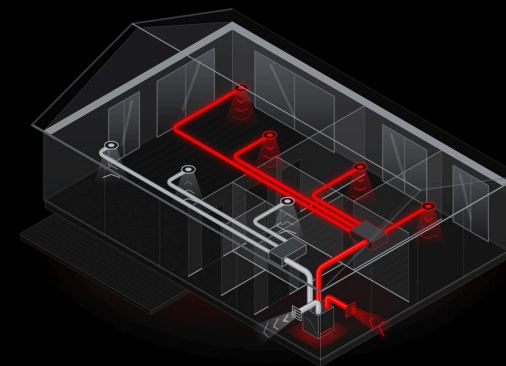
Sound pressure: free field, 3 m, 70 % airflow and 50 Pa.

PARAMETERS

DESIGN AND OPERATION

Dimensions and connections are on pages 5 and 6.

PARAMETER	UNIT	AERO E350	AERO E550
Conveyed air temperature	°C	-25 to +40	-25 to +40
Temperature at installation location	°C	+1 to +40	+1 to +40
Filters (supply / extract)		G4 / G4	G4 / G4
Bypass		100 %, automatic	100 %, automatic
Casing material and insulation		EPP, 45 mm	EPP, 45 mm
Connection spigot diameter	mm	Ø160	Ø200
Dimensions W × D × H	mm	770 × 616 × 880	830 × 711 × 885
Weight	kg	26	55,5
Condensate outlet	mm	Ø18	Ø18
Protection rating (unit with ducts / motors)		IP22 / IP44	IP22 / IP44
Control		Wi-Fi, app, Modbus	Wi-Fi, app, Modbus
Version		L / R	L / R

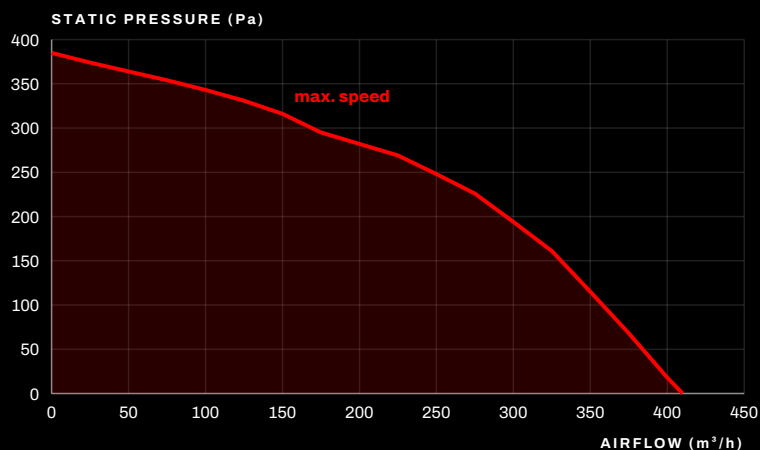


PERFORMANCE CURVES

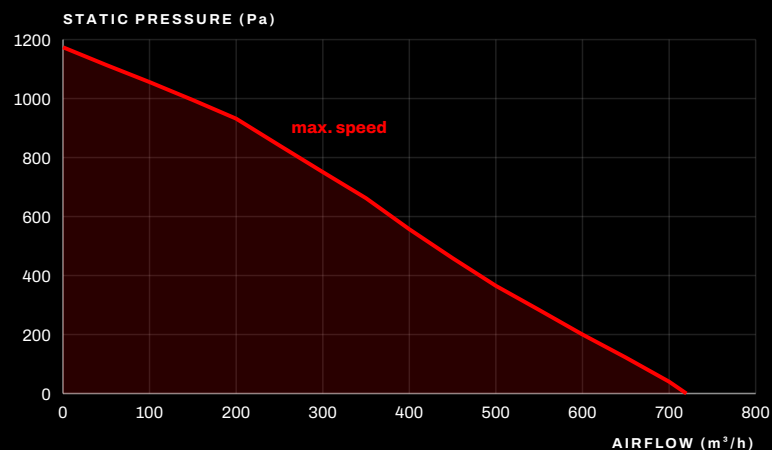
PRESSURE AND EFFICIENCY

Available static pressure at maximum speed and heat and moisture recovery efficiency as a function of airflow.

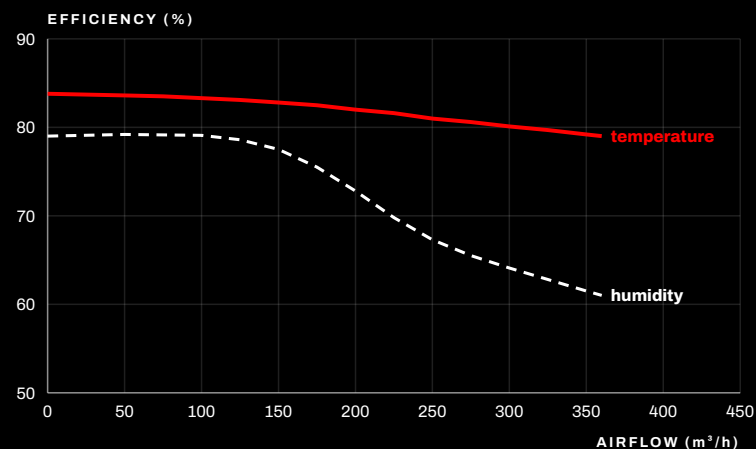
AERO E350 · STATIC PRESSURE



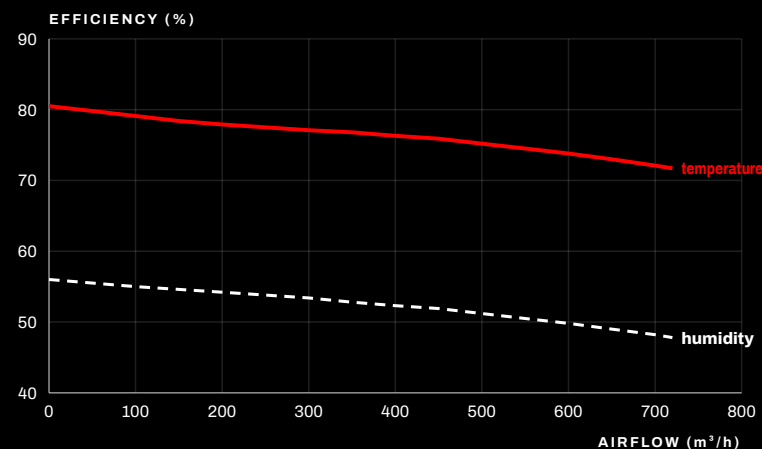
AERO E550 · STATIC PRESSURE



AERO E350 · EFFICIENCY



AERO E550 · EFFICIENCY



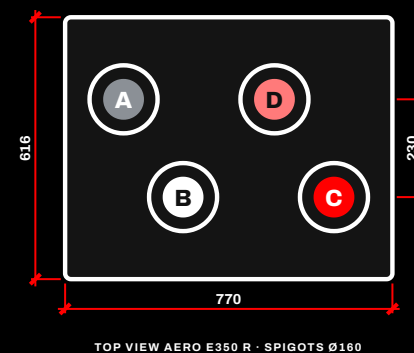
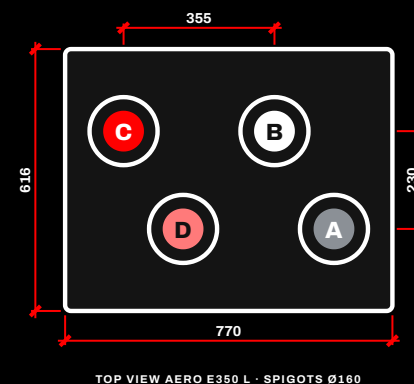
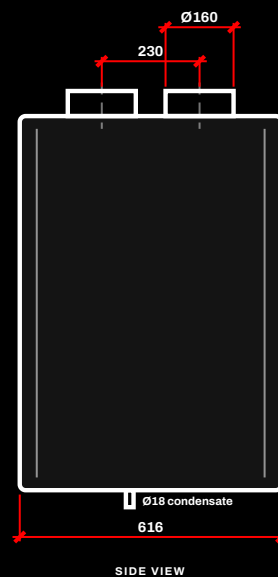
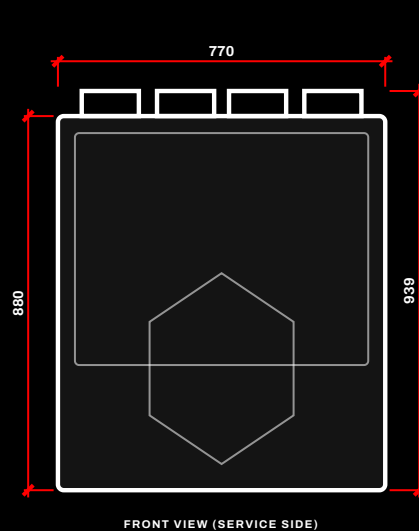
The unit's operating range lies below the red curve. Red = temperature efficiency, white dashed = moisture recovery efficiency. Values according to manufacturer's data.

DIMENSIONS

DIMENSIONS

AERO E350

Dimensions in mm. Height with spigots 939 mm, spigots Ø160 mm.
Leave a free space of min. 800 mm in front of the service side. Connect the Ø18 condensate outlet via a dry trap to the drain with a slope of min. 3°.

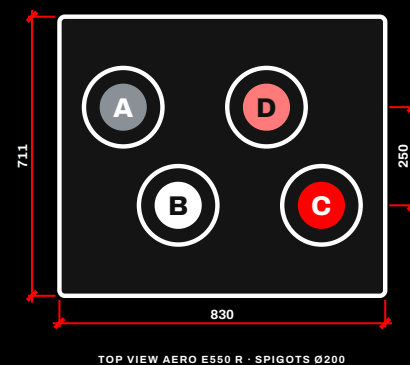
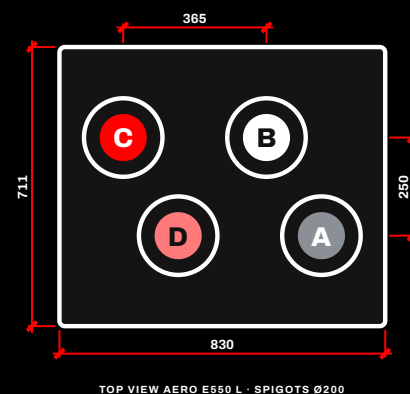
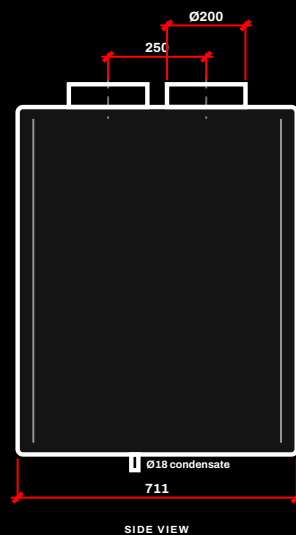
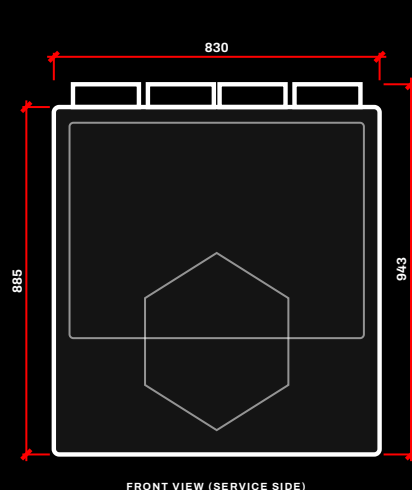


A exhaust · B outdoor · C supply · D extract

DIMENSIONS

DIMENSIONS AERO E550

Dimensions in mm. Height with spigots 943 mm, spigots Ø200 mm.
Leave a free space of min. 800 mm in front of the service side. Connect the Ø18 condensate outlet via a dry trap to the drain with a slope of min. 3°.



A exhaust · B outdoor · C supply · D extract