

TECHNICAL DATA SHEET

LOCAL HEAT RECOVERY FOR EVERY ROOM

Decentralized heat recovery unit with a ceramic exchanger. Installed through a single wall opening, without ductwork – ideal for apartments, renovations and houses.

50 / 108

AIRFLOW m³/h

up to 93 %

EFFICIENCY

from 11 dB(A)

V 3 m

AENERGY
CLASS**CERAMIC EXCHANGER**

Stores the heat and moisture of the extract air and returns them to the room.

QUIET AND EFFICIENT

Reversing EC fan with power input from 3,2 W.

THROUGH-WALL MOUNTING

A single Ø170 mm core hole, no ductwork or suspended ceilings.

SMART CONTROL

Wi-Fi, app, remote control and humidity sensor. The units synchronize with each other.



SINGLE-ROOM HEAT RECOVERY UNIT

AERO SOLO

50 · 100

DESIGNED BY N2N IN SLOVAKIA

PARAMETERS

PERFORMANCE
AND ENERGY

Data for both unit sizes.

PARAMETER	UNIT	AERO SOLO 50	AERO SOLO 100
Airflow – ventilation (max.)	m ³ /h	50	108
Airflow – heat recovery (max.)	m ³ /h	25	54
Heat recovery efficiency	%	up to 93	up to 87
Energy efficiency class		A	A
Power supply	V / Hz	100–240 / 50	100–240 / 50
Power input	W	4,45 – 7,06	3,2 – 18
Current (max.)	A	0,059	0,151
Sound pressure at 3 m	dB(A)	11 – 21	13 – 42
Sound power	dB(A)	38	50
Outdoor noise attenuation	dB	42	42

Efficiency according to DIBt LÜ-A 20. Sound pressure according to ISO 3741 at speed I to max.

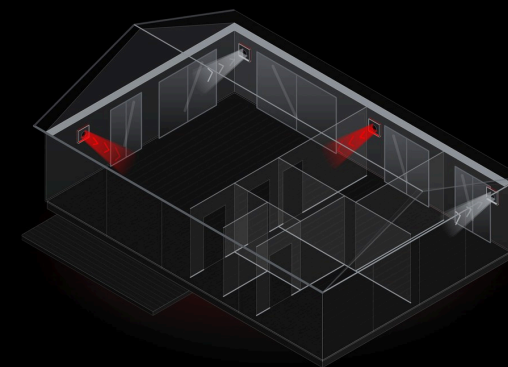
In heat recovery mode, the unit alternately supplies and extracts air, so the average airflow is halved.

PARAMETERS

DESIGN AND OPERATION

PARAMETER	UNIT	AERO SOLO 50	AERO SOLO 100
Exchanger type		ceramic regenerative	ceramic regenerative
Cycle (supply / extract)	s	70 / 70	70 / 70
Fan		EC, reversing	EC, reversing
Filters		G3	G3
Conveyed air temperature	°C	-20 to +40	-20 to +40
Duct diameter	mm	Ø160	Ø160
Wall thickness	mm	250 – 500	355 – 500
Indoor panel W × H × D	mm	234 × 284 × 68	235 × 285 × 68
Protection rating		IP24	IP24
Humidity sensor		yes	yes
Control		Wi-Fi, app, remote control	Wi-Fi, app, remote control

Dimensions and installation are on page 6.



SPEEDS

PERFORMANCE
BY SPEED

AERO SOLO 50

SPEED	UNIT	I	II	III
Airflow – ventilation	m³/h	15	30	50
Airflow – heat recovery	m³/h	8	15	25
Power input	W	4,45	5,08	7,06
Sound pressure at 1 m	dB(A)	20	27	30
Sound pressure at 3 m	dB(A)	11	18	21

Airflow, power input and noise at individual speeds. MAX speed is set in the app.

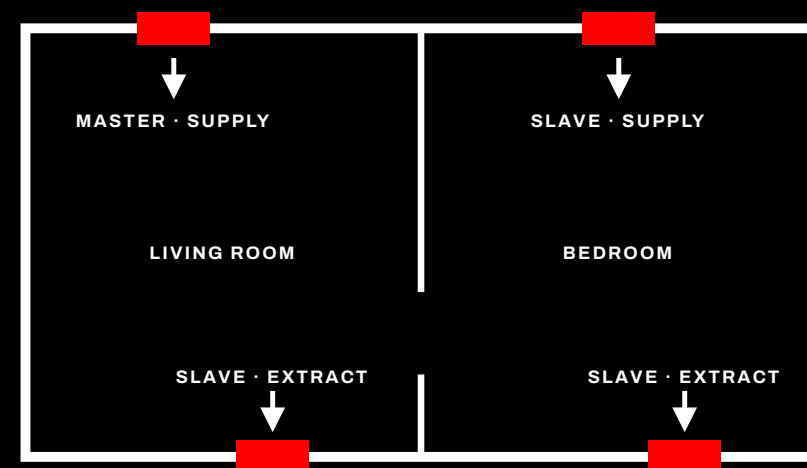
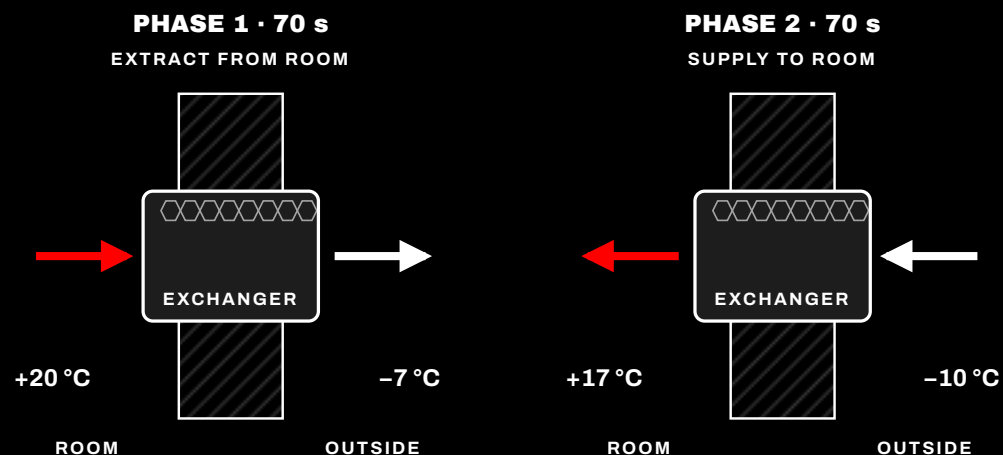
AERO SOLO 100

SPEED	UNIT	I	II	III	MAX
Airflow – ventilation	m³/h	18	30	58	108
Airflow – heat recovery	m³/h	9	15	29	54
Power input	W	3,2	4	6,6	18
Sound pressure at 1 m	dB(A)	23	27	40	51
Sound pressure at 3 m	dB(A)	13	18	30	42

FUNCTION

HOW IT WORKS

Every 70 seconds the unit reverses the airflow direction. The ceramic exchanger heats up during extraction and releases the heat to the fresh air during supply.



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

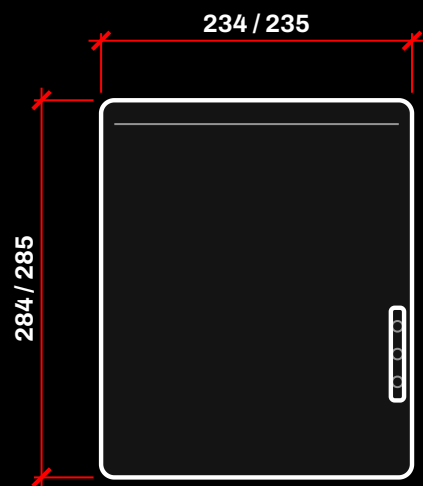
The units are installed in pairs and synchronized via Wi-Fi – while one supplies, the other extracts. Ventilation is thus balanced.

DIMENSIONS

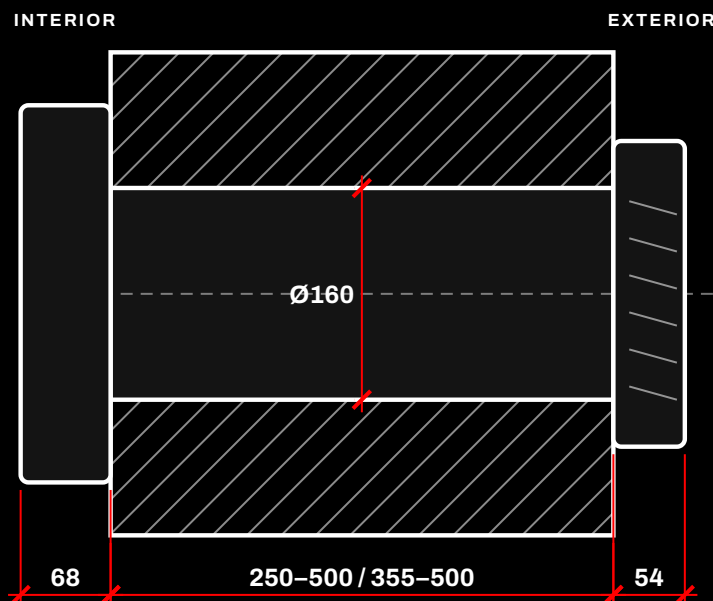
DIMENSIONS AND INSTALLATION

Dimensions in mm (AERO SOLO 50 / AERO SOLO 100). The unit is installed in a Ø170 mm opening in an external wall.

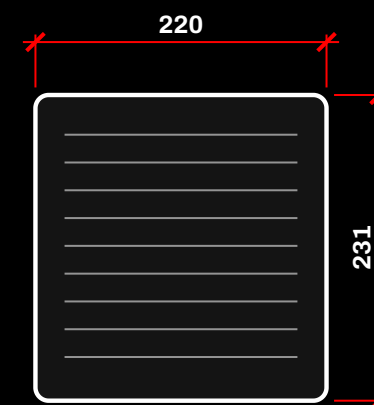
AERO SOLO 50 / AERO SOLO 100



INDOOR PANEL



WALL SECTION



OUTER HOOD

WALL OPENING
Ø170 mm

OPENING SLOPE
1–2° towards outside

WALL THICKNESS
250–500 / 355–500 mm

POWER SUPPLY
230 V at the opening