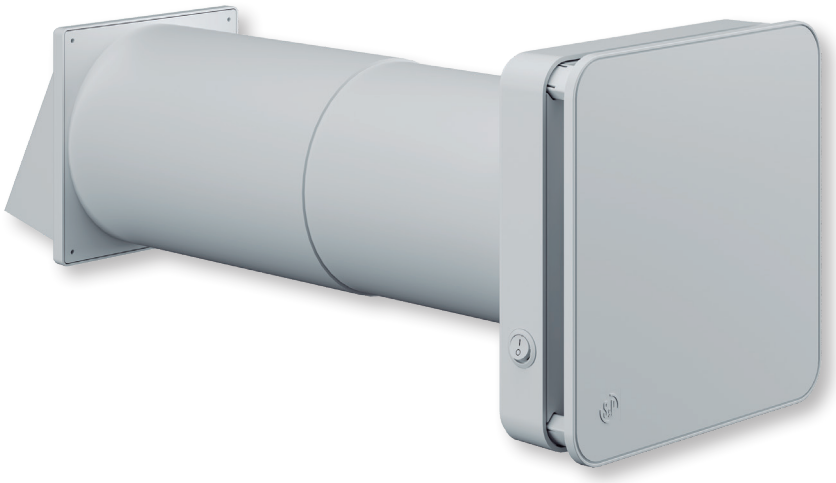
breathe & relax

planet-friendly

install-friendly

DESIGNED FOR AN EASY INSTALLATION



Decentralized ventilation unit with heat recovery, designed for single-room applications in residential or commercial settings. Its elegant design ensures seamless integration into any environment. The system operates using a reversing fan and a high-efficiency ceramic heat exchanger, achieving energy recovery rates of up to 95%. Airflow is automatically adjusted based on indoor humidity levels, ensuring optimal indoor air quality.
Air filtration is provided by two ISO Coarse filters, positioned upstream and downstream of the ceramic exchanger.
The electronically controlled motor ensures low energy consumption and quiet operation.
NARAH enables high-performance air renewal without the need for ductwork or diffusers, making it ideal for renovation projects.
Telescopic duct (ø160 mm), suitable for wall thicknesses from 250 mm to 490 mm.

- Supply mode: All the NARAH units will supply air indoors.
  This mode is activated by a digital input.

Smart Ventilation Systems

Characteristics

- Power supply: 100-240 V 50/60 Hz.
- Airflow range: 15-60 m^3/h.
- 4 speed levels.
- Ultra-low power consumption (3.4W at maximum speed).
- Silent fan operation.
- High-efficiency ceramic heat exchanger.
- ISO Coarse 60% filters.
- Remote control included.
- Digital display.
- Compatible with AIRSENS RF.2 smart sensors.
- Wireless synchronization between units (radio frequency – max. 4 units).
- Telescopic duct.
- Humidity sensor integrated into the unit.

Specific applications

VMC Single Dwellings

VMC Multi dwelling blocks

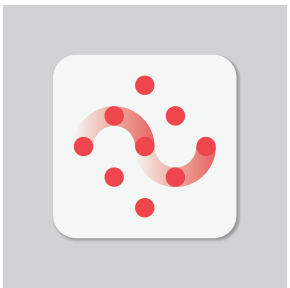
Heat recovery units



NARAH Remote
Included by default. Allows to modify the speed level as well as changing between manual and automatic modes. Furthermore, it enables the activation of additional working modes:
- By-pass mode: Half of the NARAH units will supply fresh air while the rest will extract polluted air.
- Night mode: Reduced speed for 8 hours.



Digital display
Thanks to the integrated display, it is possible to modify the parameters that control the different operating modes. Reduces commissioning time and helps to identify the status of the unit and any potential errors.



Connectair
Through the NARAH-SPCM module, the unit can access Connectair, S&P's IoT platform that enables a new way to enjoy ventilation.

TECHNICAL CHARACTERISTICS

It is essential to check that the electrical characteristics (voltage, current, frequency, etc.) which appear on the plaque are compatible with those of the installation.

Model	Speed (m/s)	Airflow (m^3/h)	Absorbed power (W)	Sound pressure level at 3 m (dB(A))	Energy recovery (%)
NARAH 160 RT	1	15	0,95	10	95
	2	30	1,6	19	87
	3	45	2,4	26	82
	4	60	3,4	31	78

Data measured according to EN 13141-8.

Airflow vs. Sound power

	NARAH		NARAH + F7		NARAH + Silencer (0/3)		NARAH + Silencer (1/3)		NARAH + Silencer (2/3)	
	Airflow (m^3/h)	(dB(A))	Airflow (m^3/h)	(dB(A))	Airflow (m^3/h)	(dB(A))	Airflow (m^3/h)	(dB(A))	Airflow (m^3/h)	(dB(A))
Qmin	20	29,8	9,77	28,9	16,37	25,7	14,39	25,1	15,23	24,6
Qmed	34,69	40,2	19,12	39,7	31,64	38,2	24,84	38	18,04	37,8
Qref	48,61	46,2	27,86	46,2	44,19	45,3	34,47	45,1	24,74	44,9
Qmax	60	50,9	37,69	50,8	59,5	49,7	46,44	49,3	31,11	49,0

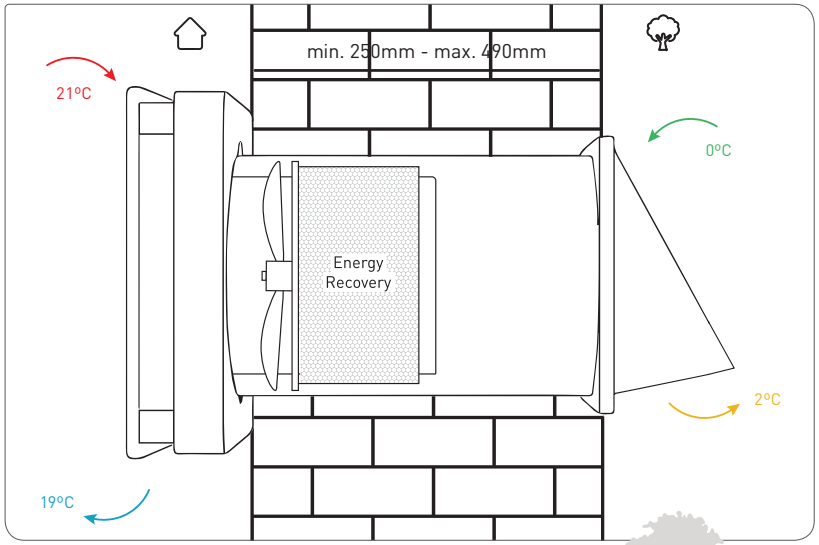
ACOUSTIC INSULATION

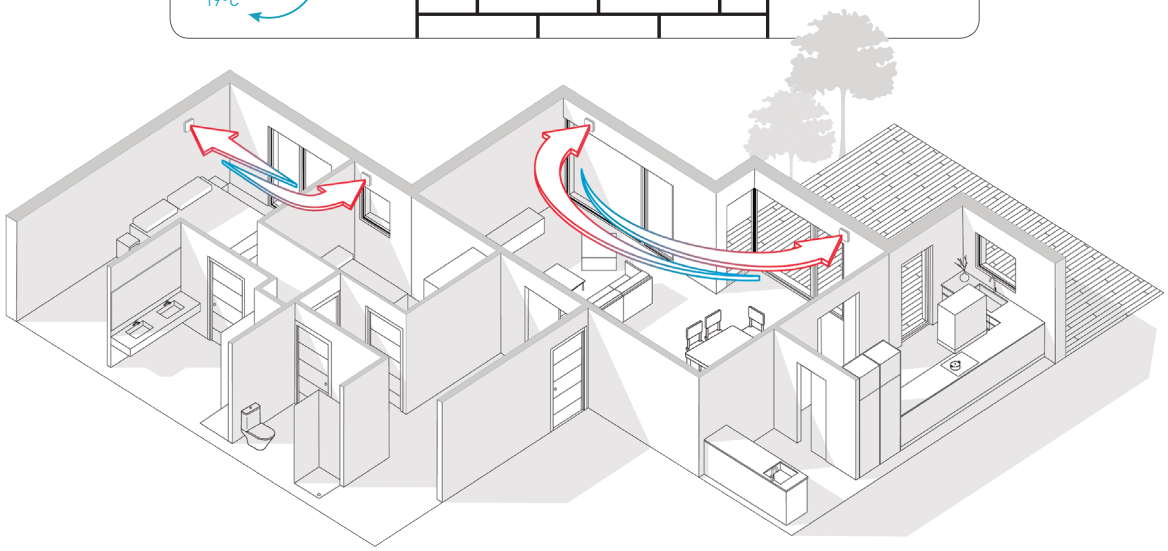
Weighted normalized sound level difference D_n,e,w (C; Ctr)

Terms of Use	Dn,e,w (C; Ctr)
Inner cover open (ventilation mode)	41 (-1; -3) dB
Inner lid closed	51 (-1; -4) dB

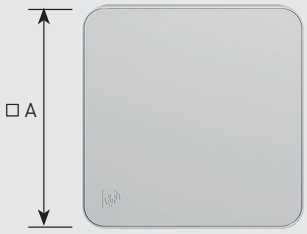
OPERATING PRINCIPLE

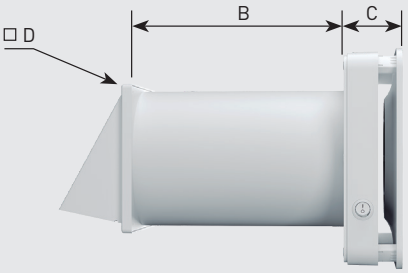
We recommend installing NARAH units in pairs: one supplying fresh air and the other extracting stale air. This setup prevents indoor pressure imbalances. Wireless synchronization simplifies both installation and commissioning.

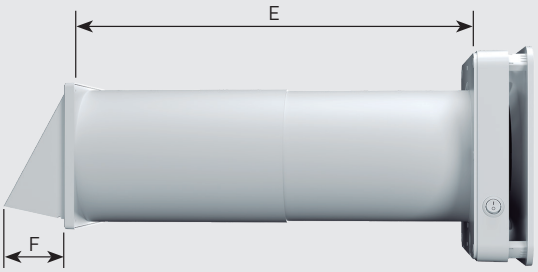




DIMENSIONS (mm)







Model	A	B	C	D	E	F
NARAH 160 RT	245	250	65	160	490	90

The external grill measures 171x171 mm.

ELECTRICAL ACCESSORIES



AIRSENS RF.2 RH
Intelligent humidity sensor for controlled ventilation demand.



AIRSENS RF.2 CO2
CO_2 air quality sensor for demand controlled ventilation.



AIRSENS RF.2 VOC
Air quality VOC sensor for demand controlled ventilation.



SPCM NARAH
Communication module.



BOOST-RF.2
BOOST radio frequency button.

MOUNTING ACCESSORIES



NARAH PRO-S
500 mm tube.

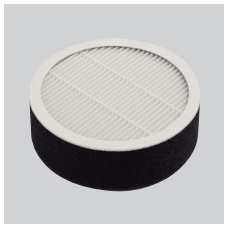


NARAH PRO-L
700 mm tube.



WINDOW REVEAL
Integration solution for installations within a window recess, allowing for a discreet and harmonious incorporation of the unit.

OTHER ACCESSORIES



FILTER F7
High-efficiency filter for additional protection against airborne particles.



Silencer
Component designed to reduce the noise generated during the unit's operation.