

HEAT RECOVERY UNIT

NOXA NXERV



Standard features



High efficiency of temperature and enthalpy recovery



DC motor fan



Advanced filtration system



Automatic bypass



Filter contamination alarm



Quiet operation



Modbus

Optional features



HEPA filter



CO₂ sensor



Humidity sensor



UV lamp



Electric heater



WiFi

NOXA recuperators from the **NXERV series**, thanks to their wide range of air flow, can be successfully used in both residential and public buildings. The cross-flow, enthalpy heat exchanger, in addition to recovering temperature from the exhaust air, allows you to maintain the appropriate air humidity in the rooms. The advanced filtration system allows you to enjoy the clean air. To increase the possibilities of the device, it is possible to install optional CO₂ and humidity sensors as well as and an electric heater, which can act as a pre-heater or secondary heater.

The device is controlled using a wall-mounted controller, where, in addition to viewing the parameters of individual air flows, the controller allows you to set the operating mode, the device on/off schedule, or control the electric heater. The optional WiFi module allows you to view and configure the operating parameters of the device from any location.



High efficiency of temperature and enthalpy recovery

The cross-flow enthalpy exchanger enables high percentage temperature recovery and air humidity recovery between the air supplied and the air removed from the room.



DC motor fan

The NXERV series is equipped with 10-speed brushless BLDC motors, which ensure precise delivery of the right amount of air in all conditions.



Advanced filtration

NOXA NXERV recuperators are equipped with a filtration system based on a set of G3 and F9 pre-filters on the supply and a G3 filter on the exhaust as standard. Additionally, in order to obtain high air quality, the device can be equipped with a highly effective H10 air filter.

Technical specifications

Model		NXERV-150V1_ST2			NXERV-250V1_ST2			NXERV-350V1_ST2			NXERV-500V1_ST2					
Power supply (voltage/phases/frequency)		V/-/HZ		220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50			
Fan speed		Low (1)	Medium (5)	High (10)	Low (1)	Medium (5)	High (10)	Low (1)	Medium (5)	High (10)	Low (1)	Medium (5)	High (10)			
Available fan speeds		Air supply		10			10			10			10			
		Exhaust		10			10			10			10			
Nominal air flow rate		m ³ /h		14	79	150	25	130	250	36	180	350	50	250	500	
Recovery efficiency: temperature		%		80	80	75	81	81	73	82	82	74	84	84	76	
Recovery efficiency: enthalpy		Heating		%	65	65	60	71	71	62	70	70	62	72	72	63
		Cooling		%	70	70	63	73	73	65	73	73	65	75	75	67
Sound pressure level		dB(A)		31.5			34.5			37.5			39			
By-Pass		Tak			Tak			Tak			Tak					
Compression		Pa		20	40	70	10	40	90	15	50	140	10	40	110	
Filter class		Pre-filter air supply/exhaust		G3			G3			G3			G3			
		Intermediate air supply filter		F9			F9			F9			F9			
		Air supply filter		HEPA (opcja)			HEPA (opcja)			HEPA (opcja)			HEPA (opcja)			
Max. input power		W		38			85			107			140			
Max. electricity consumption		A		0.32			0.67			0.82			1.04			
Dimensions (W x D x H)		mm		736×580×264			814×599×270			814×804×270			894×904×270			
Weight		kg		25			27			33			38			
Diameter of connecting pipes		mm		4 × Ø144			4 × Ø144			4 × Ø144			4 × Ø194			
Connecting pipes		mm		round, 4 × Ø144			round, 4 × Ø144			round, 4 × Ø144			round, 4 × Ø194			
Pipe diameter		Supply		mm ²			2 × 1.5			2 × 1.5			2 × 1.5			
		Control		mm ²			2 × 0.5			2 × 0.5			2 × 0.5			
Maximum length of control cable		m		15			15			15			15			



NXEH electric heater

NXEH electric heaters dedicated to cooperation with the NXERV recuperator guarantee reliable operation of devices at extremely low temperatures down to -20°C . PTC electric heaters guarantee protection against overheating of the heater. Additional protection against failure of the air handling unit fan and overcurrent protection increase safety of use. Depending on the method of installation, the device can operate as a pre-heater, protecting the exchanger from frosting or as a secondary heater, allowing for precise regulation of the temperature of the air supplied to the rooms. In both cases, the heater is controlled using the wall-mounted controller of the NXERV ventilation unit. The heaters in the Noxa offer are available in three capacities, allowing cooperation with air handling units with an air flow in the range of $150\text{-}1300\text{ m}^3/\text{h}$.

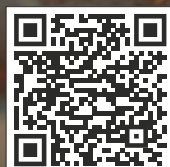
Technical data

Model		NXEH-35V1	NXEH-65V1	NXEH-100V1
Supply voltage	V~/Hz	220-240/1/50		
Heating capacity	kW	1.0	1.6	2.4
Power consumption	kW	1.1	1.7	2.5
Air flow range	m^3/h	150~350	500~650	800~1000
Minimum distance from the exchanger	m	1		
Dimensions (W x D x H)	mm	350x200x250	350x280x270	400x324x324
Power cord diameter	mm^2	3x1.5	3x1.5	3x2.5

Main features:

- PTC heaters dedicated to work with the NXERV series in the range of $150\text{-}1300\text{ m}^3/\text{h}$
- can be installed as the primary or secondary heater
- heater control from the wall controller of the NXERV control panel
- overheating protection
- fan failure protection and overcurrent protection

Smart Life application



Android



iOS

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