

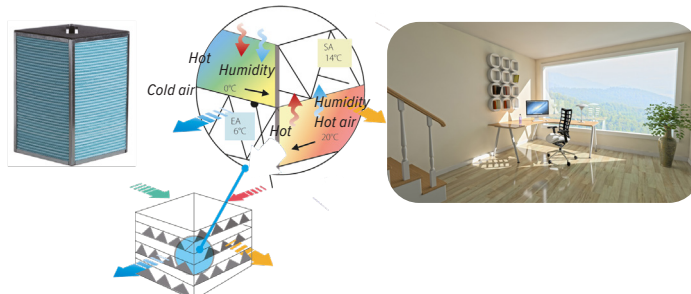
HRV-DX-3

HRV-DX-3-XY D500-D1000



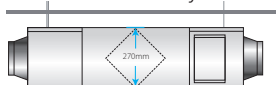
ENHANCED EFFICIENCY

Heat recovery ventilator with coil DX HRV-DX-3 combines technological advantages of enthalpic energy exchange between exhaust and supply air through a special core realized with pre-treated paper and of DX coil connected to VRF system to which is connected. Thus, the unit can both heat or cool and ventilate the rooms, improving both comfort and energy saving.



INSTALLATION FLEXIBILITY

Due to a minimum height of 270 mm, the unit can be installed in limited false ceilings. As components are cabled and included in the unit, installation is simple as for other VRF indoor units since it is sufficient to perform electric and refrigerant connections with the system. The units are compatible with both R410 and R32 systems.



HIGH FILTRATION GRADE AND AIR QUALITY

The healthiness of the air and the minimum fouling of the exchanger are guaranteed by filters G3 (ISO 16890 Coarse 50%) and F9 (ISO 16890 ePM2.5 95%) on the supply section and G3 (ISO 16890 Coarse 50%) on the exhaust section, in order to increase the air quality supplied to the environment. For maximum air quality, the Bioxigen® purification system is included, which allows, through a controlled bipolar ionization process, multiple benefits such as an antibacterial effect and the removal of odors, pollutants, mold and pollen.

BYPASS FOR FREE COOLING

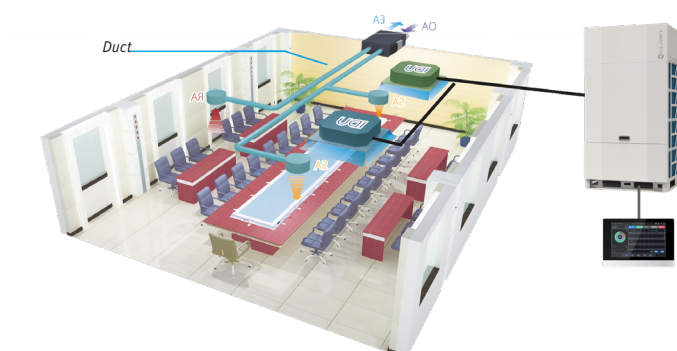
During summer, when external temperatures are lower than internal, air is diverted, excluding the recovery, directly to the ambient, reducing the requested load of the installation and enhancing energy efficiency.

3 FAN SPEEDS

The unit is equipped with DC fan with 3 speeds available optimizing the air flow rate according to the requests.

CONTROLLER INCLUDED AND FLEXIBLE CONTROL

Wired controller to manage the unit is supplied with the unit. Moreover, the unit is totally compatible with VRF control systems via centralized controls or BMS together with other indoor units of the system.





HRV-DX-3 HEAT RECOVERY VENTILATOR WITH DX COIL

Size	HRV-DX-3-XY		D500	D1000
Cooling ⁽¹⁾	Capacity	kW	3,0	5,8
	Power input	W	150	390
	Temperature exchange efficiency	%	76,0	76,0
	Enthalpy exchange efficiency	%	63,0	60,0
Heating ⁽²⁾	Capacity	kW	2,5	5,2
	Power input	W	150	390
	Temperature exchange efficiency	%	76,0	76,0
	Enthalpy exchange efficiency	%	67,0	62,0
Pipe connections	Liquid	mm	Ø 6,35	Ø 6,35
	Gas	mm	Ø 12,7	Ø 12,7
Nominal air flow		m³/h	500	1000
External static pressure		Pa	90	115
Sound pressure level ⁽³⁾		dB(A)	39	43
Dimensions (Width x Height x Depth) ⁽⁴⁾		mm	1764x250x995	2064x388x1330
Weight		kg	92	110
Fresh Air Diameter		mm	Ø 200	Ø 250
Operating temperature range ⁽⁵⁾		°C	-15 - 40	-15 - 40
Power supply		V/Ph/Hz	220-240/1~/50	

(1) Capacities calculated with inlet coil air 28,5°C DB, 50% UR. Exchange efficiencies calculated with outdoor temperature 32°C DB 50%UR; inlet air 26°C DB 50% UR.

(2) Capacities calculated with inlet coil air 28,5°C DB, 50% UR. Exchange efficiencies calculated with outdoor temperature 32°C DB 50%UR; inlet air 26°C DB 50% UR.

(3) Sound values are measured at a position 1m from service side of casing, with ducted supply, exhaust, return and fresh air, at nominal conditions.

(4) Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments

(5) For ambient temperatures below -5°C, it is recommended to use a unit with pre-heating heater

accessories

WDC3-86S	Wired controller (already supplied with standard version)	PRE-DX-500	Electric pre-heater (size D500)
WDC3-120T	Wired controller with weekly schedule	PRE-DX-1000	Electric pre-heater (size D1000)
BIOX-DX	Bioxigen purification system® (already supplied with standard version)		