

# HRV-DX-2 HEAT RECOVERY VENTILATOR WITH DX COIL

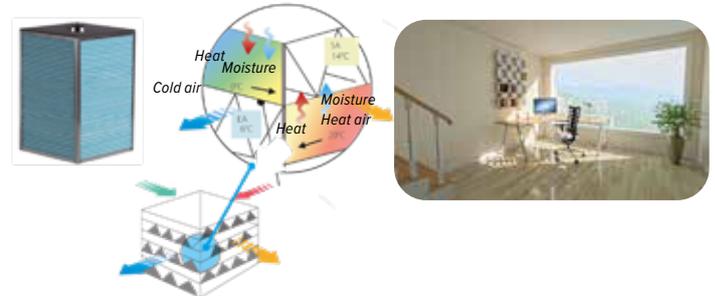
## HRV-DX-2-XMI D500-D1000



**NEW**

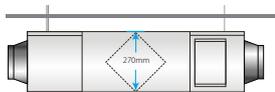
### ENHANCED EFFICIENCY

Heat recovery ventilator with coil DX HRV-DX-2 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.



### 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.



### HIGH FILTRATION GRADE AND AIR QUALITY

The healthiness of the air and the minimum fouling of the exchanger are guaranteed by filters G3 and F9 on the supply section and G3 on the exhaust section, in order to increase the air quality supplied to the environment. For maximum air quality, the Bioxigen® purification system is available as an accessory, 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

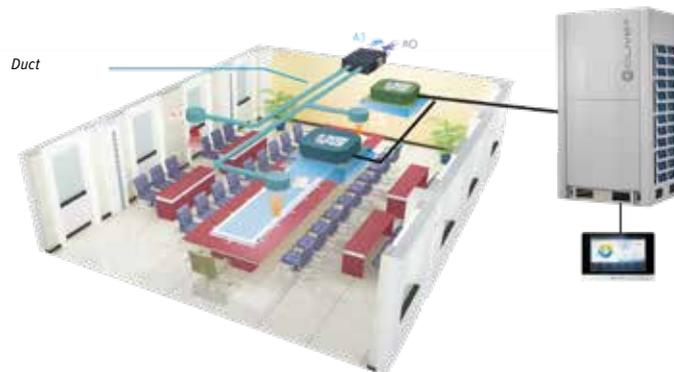
During summer, when external temperatures are lower than internal, air is diverted, excluding the recovery, directly to the ambient, reducing the requested load of the installation and enhancing energy efficiency.

### 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 - HEAT RECOVERY VENTILATOR WITH DX COIL**

Size	HRV-DX-2-XMI	D500	D1000	
Cooling <sup>(1)</sup>	Power	kW	3,0	5,8
	Input power	W	150	390
	Temperature exchange efficiency	%	76,0	76,0
	Enthalpy exchange efficiency	%	63,0	60,0
Heating <sup>(2)</sup>	Power	kW	2,5	5,2
	Input power	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	m <sup>3</sup> /h	500	1000	
External static pressure	Pa	90	115	
Sound pressure level <sup>(3)</sup>	dB(A)	39	43	
Dimensions (Width x Height x Depth) <sup>(4)</sup>	mm	1590x270x1000	1880x390x1320	
Weight	kg	90	105	
Fresh Air Diameter	mm	Ø 200	Ø 250	
Operating temperature range <sup>(5)</sup>	°C	-15 - 40	-15 - 40	
Power supply	V/Ph/Hz	220-240/1/50-60		

(1) Powers 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.

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

(2) Powers calculated with inlet coil air 13°C DB, 40% UR. Exchange efficiencies calculated with outdoor temperature -5°C DB 80%UR; inlet air 20°C DB 50% UR.

(5) For outdoor temperatures below -5°C it is recommended that the unit is supplied with a pre-heater.

(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.

**accessories**

- KJR-29-B** Wired controller (already supplied with standard version)
- WDC-120G/WK** Wired controller
- BIOX-DX** Bioxygen purification system® (already supplied with standard version)
- PRE-DX-500** Electric pre-heater (size D500)
- PRE-DX-1000** Electric pre-heater (size D1000)