

HRV-DXL-3

HRV-DXL-3-XY D1500-D3100



ENHANCED EFFICIENCY

Heat recovery ventilator with coil DX HRV-DXL-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.



WIDER RANGE

In addition to the units of the HRV-DX-3 series with 500 and 1000 m³/h, the HRV-DXL-3 series can treat air flow rates up to 3100 m³/h, further expanding the offer of air handling units in combination with Clivet VRF systems. These new units are also compatible with both R410A and R32 refrigerant systems.

HIGH FILTRATION GRADE AND AIR QUALITY

The healthiness of the air and the minimum fouling of the exchanger are guaranteed by filters F7 (ISO 16890 ePM1 55%) on the supply section and M5 (ISO 16890 ePM10 55%) 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

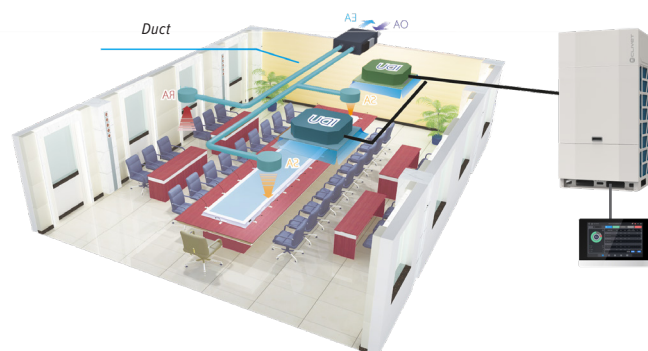
During summer, when external temperatures are lower than internal, air is diverted, excluding the recovery, directly to the ambient, reducing the requested load of the installation and enhancing energy efficiency.

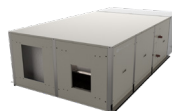
3 FAN SPEEDS

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-DXL-3 - HEAT RECOVERY VENTILATOR WITH DX COIL

Size	HRV-DXL-3-XY	D1500	D2300	D3100
Cooling ⁽¹⁾	Capacity	kW	9,9	14,2
	Power input	kW	0,62	1,31
	Temperature exchange efficiency	%	60,1	60,2
	Enthalpy exchange efficiency	%	58,3	58,5
Heating ⁽²⁾	Capacity	kW	8,6	12,2
	Power input	kW	0,62	1,31
	Temperature exchange efficiency	%	73,0	73,2
	Enthalpy exchange efficiency	%	62,5	62,7
Pipe connections	Liquid	mm	Ø 9,53	Ø 9,53
	Gas	mm	Ø 15,9	Ø 15,9
Nominal air flow		m ³ /h	1500	2300
External static pressure nominal / max		Pa	190 / 520	210 / 425
Sound pressure level ⁽³⁾		dB(A)	53	59
Dimensions (Width x Height x Depth) ⁽⁴⁾		mm	2535x670x1290	2535x670x1290
Weight		kg	230	250
Fresh Air Diameter		mm	300x410, 230x260	500x410, 330x290
Operating temperature range ⁽⁵⁾		°C	-15 - 45	-15 - 45
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 13°C DB, 40% UR. Exchange efficiencies calculated with outdoor temperature -5°C DB 80%UR; inlet air 20°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 outdoor temperatures below -5°C it is recommended to equip the unit with the pre-heater.

accessories

WDC3-86S

Wired controller (already supplied with standard version)

WDC3-120T

Wired controller with weekly schedule

configurations

Modello	Codice Clivet	Sistema di purificazione Bioxigen®	Resistenza di pre-riscaldamento	Descrizione
HRV-DXL-3-XY D1500	AAH3G60001	-	-	Unità standard
	AAH3G60002	•	-	Unità con sistema di purificazione Bioxigen® incluso
	AAH3G60003	-	•	Unità con resistenza di pre-riscaldamento inclusa
	AAH3G60004	•	•	Unità con sistema di purificazione Bioxigen® e resistenza di pre-riscaldamento inclusi
HRV-DXL-3-XY D2300	AAH3K60001	-	-	Unità standard
	AAH3K60002	•	-	Unità con sistema di purificazione Bioxigen® incluso
	AAH3K60003	-	•	Unità con resistenza di pre-riscaldamento inclusa
	AAH3K60004	•	•	Unità con sistema di purificazione Bioxigen® e resistenza di pre-riscaldamento inclusi
HRV-DXL-3-XY D3100	AAH3K70001	-	-	Unità standard
	AAH3K70002	•	-	Unità con sistema di purificazione Bioxigen® incluso
	AAH3K70003	-	•	Unità con resistenza di pre-riscaldamento inclusa
	AAH3K70004	•	•	Unità con sistema di purificazione Bioxigen® e resistenza di pre-riscaldamento inclusi