

HRV-DXL-2

HRV-DXL-2-XMI D1500-D3100



ENHANCED EFFICIENCY

Heat recovery ventilator with coil DX HRV-DXL-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.



WIDER RANGE

In addition to the units of the HRV-DX-2 series with 500 and 1000 m³/h, the HRV-DXL-2 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.

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

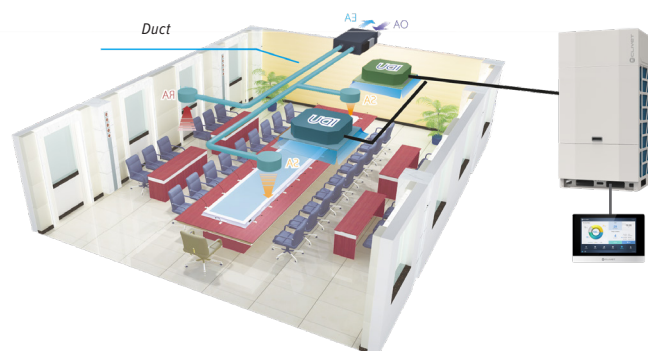
During summer, when external temperatures are lower than internal, air is diverted, excluding the recovery, directly to the ambient, reducing the requested load of the installation and enhancing energy efficiency.

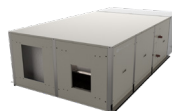
3 FAN SPEEDS

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-2 - HEAT RECOVERY VENTILATOR WITH DX COIL

Size	HRV-DXL-2-XMi	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	m³/h	1500	2300	3100
External static pressure nominal / max	Pa	190 / 520	210 / 425	190 / 370
Sound pressure level ⁽³⁾	dB(A)	53	59	58
Dimensions (Width x Height x Depth) ⁽⁴⁾	mm	2535x670x1290	2535x670x1290	2635x670x1400
Weight	kg	230	250	270
Fresh Air Diameter	mm	300x410, 230x260	500x410, 330x290	400x510, 330x285
Operating temperature range ⁽⁵⁾	°C	-15 - 45	-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

WDC-86E/KD Compact wired controller (already supplied with standard version)

WDC-120G/WK Wired controller

configurations

Version	Clivet code	Bioxigen purification system®	Electric pre-heater pre-heating	Description
HRV-DXL-2-XMi D1500	AAWPG60001	-	-	Standard unit
	AAWPG60002	•	-	Unit with Bioxygen purification system® included
	AAWPG60003	-	•	Unit with electric pre-heater included
	AAWPG60004	•	•	Unit with Bioxygen purification system® and electric pre-heater included
HRV-DXL-2-XMi D2300	AAWPK60001	-	-	Standard unit
	AAWPK60002	•	-	Unit with Bioxygen purification system® included
	AAWPK60003	-	•	Unit with electric pre-heater included
	AAWPK60004	•	•	Unit with Bioxygen purification system® and electric pre-heater included
HRV-DXL-2-XMi D3100	AAWPK70001	-	-	Standard unit
	AAWPK70002	•	-	Unit with Bioxygen purification system® included
	AAWPK70003	-	•	Unit with electric pre-heater included
	AAWPK70004	•	•	Unit with Bioxygen purification system® and electric pre-heater included