

ENTHALPY HEAT RECOVERY WITH COIL

3 CAPACITIES
500~1000 m³/h

COMPACT DESIGN
880 mm wide, 340 mm high and
1700 mm deep for the 500 m³/h model

LOW SOUND IMPACT
55 dB(A) for the 500 m³/h model

FAN SPEED
5 + automatic

DAILY TIMER
FILTER AND HEAT EXCHANGER
easily removable

FILTER CLEANING
filter cleaning and
replacement reminder
HIGH degree of filtration

M-V-THE-DX-500~1000-NG



Model			M-V-THE-DX-500-NG	M-V-THE-DX-800-NG	M-V-THE-DX-1000-NG
Control (included)			Wired control		
Rated capacity	Cooling ¹	kW	8.50	12.00	14.50
	Heating ²	kW	4.00	10.60	12.00
Heat exchange efficiency		%	73	74	73
Electrical data					
Power supply		Ph-V-Hz	1-220~240V-50Hz		
Power absorption		W	270	440	640
Product specifications					
Dimensions		WxHxD	880x340x1700	1185x390x1800	1185x390x1800
Net weight		Kg	120	158	158
Sound power level		Hi	55	59	62
Sound pressure level at 1 m		dB(A)	41.4	46.1	50.1
Volume of air treated		m ³ /h	500	800	1000
Fan static pressure		Pa	150	150	150
Ducting flange		Diameter	200	250	250
Connection diameter	Liquid/Gas	mm (inch)	6.35 (1/4") / 12.74 (1/2")	9.52 (3/8") / 15.9 (5/8")	9.52 (3/8") / 15.9 (5/8")
	Condensate	mm	25	25	25
Application field (suctioned air temp.)		°C	-25~48 BS		
Optional parts					
Centralized control			M-V-CC-T255-G2 / M-V-CC-T32-G (simplified)		

1. Conditions: indoor air 27° C DB/19.5° C WB; outdoor air 35° C DB/28° C WB.
2. Conditions: indoor air 20° C DB/12° C WB; outdoor air 7° C DB/6° C WB.

CONNECTIVITY LIMITATIONS

50-100%

The sum of the power of the indoor units + the power of the heat recovery unit must be between 50 and 100% of the nominal power of the outdoor unit.

30%

The maximum power of the recovery unit must not exceed 30% of the nominal power of the outdoor unit.

FUNCTIONS AVAILABLE FROM THE CONTROL

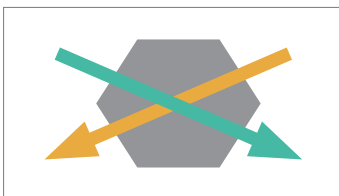
Linkage control

Automatic activation of the heat recovery unit via CAN-BUS communication if at least one indoor unit is active; shutdown if all indoor units are off.

Free cooling with automatic bypass

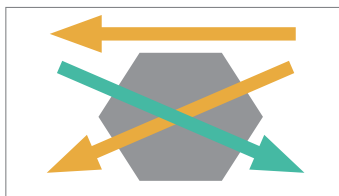
Available when the outside temperature drops below the inside temperature (e.g. during night hours). This function reduces the fan's energy consumption, prolonging the life of the exchanger.

OPERATING MODES



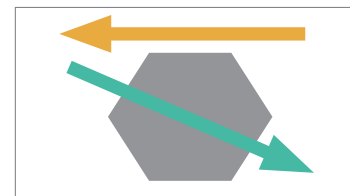
Heat exchange mode

In this mode, the exhaust air and the fresh air enter the exchanger.



Automatic mode

In this mode the unit automatically regulates the heat exchange.



By-pass mode

In this mode the exhaust air does not pass through the exchanger.