

Energy recovery ventilation with DX coil - HRPT Series for VRF

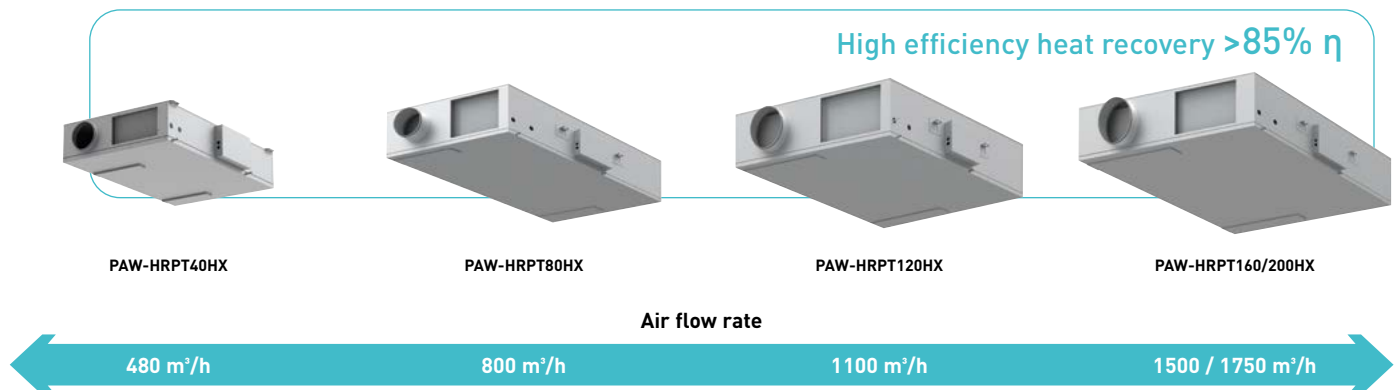
The HRPT Series is specifically designed for commercial applications or collective residential buildings, offering highly efficient heat recovery of up to 85,2%. It's an ideal solution to achieve the highest energy certification for buildings in the tertiary, industrial and collective residential sectors including centralized condominium systems.



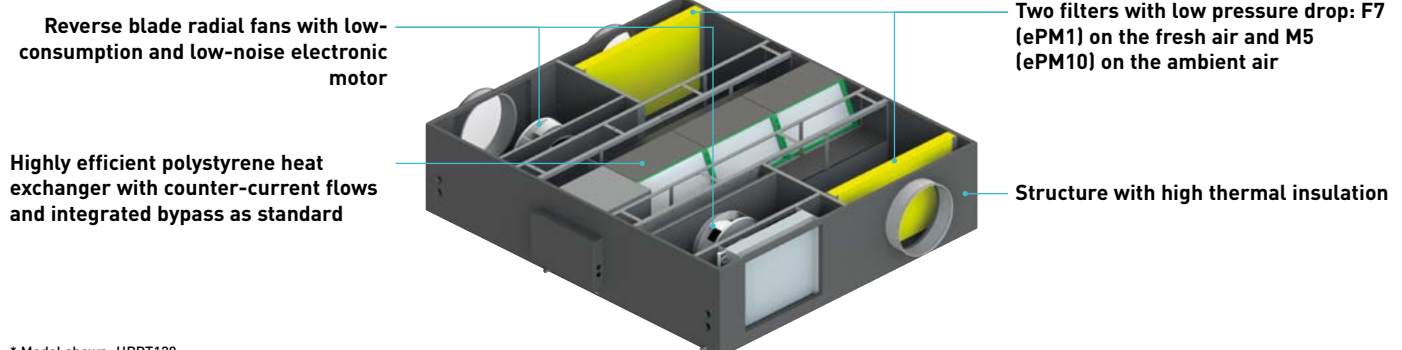
Highly efficient and flexible

The HRPT Series is a dual flow ventilation with an EC fan, ensuring high efficiency heat recovery (>85% η). The series includes five models with air flow rates from 480 to 1750 m³/h. Two types of polystyrene heat exchangers (high efficiency and sensible) are provided to meet a range of requirements.

HRPT Series line-up



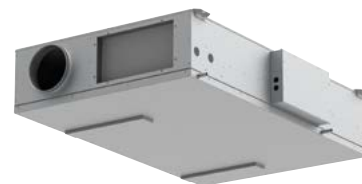
Quality meets efficiency. Explore the HRPT Series



* Model shown: HRPT120.

Energy recovery ventilation with DX coil - HRPT Series · R32 / R410A

- Dual flow ventilation with EC fan, featuring high efficiency heat recovery (>85% η)
- 2 types of polystyrene heat exchanger (high efficiency and sensible) with counter-current flows and integrated bypass as standard
- Modbus connection available



+ COMPATIBLE WITH ALL PANASONIC CONNECTIVITY SOLUTIONS. FOR DETAILED INFORMATION GO TO THE CONTROL SYSTEMS SECTION

Indoor unit with high efficiency heat exchanger			PAW-HRPT40HX		PAW-HRPT80HX		PAW-HRPT120HX		PAW-HRPT160HX		PAW-HRPT200HX	
Power supply	Voltage	V	230		230		230		230		380	
	Phase		Single phase		Single phase		Single phase		Single phase		Three phase	
	Frequency	Hz	50		50		50		50		50	
Heat recovery ventilation ¹⁾			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Temperature efficiency	%		63,4	76,7	60,0	73,5	61,4	75,0	62,2	76,0	59,4	73,2
Enthalpy efficiency	%		52,3	53,2	47,8	49,2	49,5	50,7	50,0	51,2	46,8	48,3
Weight	kg		70		120		135		150		180	

Indoor unit with sensible heat exchanger			PAW-HRPT40		PAW-HRPT80		PAW-HRPT120		PAW-HRPT160		PAW-HRPT200	
Power supply	Voltage	V	230		230		230		230		380	
	Phase		Single phase		Single phase		Single phase		Single phase		Three phase	
	Frequency	Hz	50		50		50		50		50	
Heat recovery ventilation ¹⁾			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Temperature efficiency		%	84,6	84,9	84,3	84,7	84,8	85,2	84,7	85,1	83,8	84,2
Weight		kg	67		117		132		147		177	

Common data												
DX coil ²⁾			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Total / Sensible capacity	kW		3,0 / 2,4	3,2	6,0 / 4,1	6,2	8,0 / 5,5	8,3	10,0 / 7,1	11,0	12,5 / 8,6	12,8
Maximum input current	A		1,5		2,2		4,1		4,4		3,3	
Sound pressure @1 m / @3 m	dB(A)		41 / 35		51 / 43		42 / 36		49 / 41		57 / 49	
Air flow	High	m³/h	480		800		1100		1500		1750	
External static pressure	High	Pa	150		150		150		150		150	
Dimension	H x W x D	mm	283 x 975 x 1400		408 x 1180 x 1720		408 x 1580 x 1720		408 x 1980 x 1720		408 x 1980 x 1720	
Piping diameter	Liquid	Inch (mm)	1/4 (6,35)		3/8 (9,52)		3/8 (9,52)		3/8 (9,52)		3/8 (9,52)	
	Gas	Inch (mm)	1/2 (12,70)		5/8 (15,88)		5/8 (15,88)		5/8 (15,88)		5/8 (15,88)	

1) Data refers to the following conditions (UNI EN 13141-7): nominal air flow, external air 5 °C with 72% r. / expelled air 25 °C with 28% r. 2) Data refers to the following conditions: nominal air flow, cooling inlet coil summer 27 °C with 48% / heating inlet coil winter 20 °C with 50% r. * Image is for PAW-HRPT40.

Accessories

CZ-RTC6W	CONEX wired remote controller (non-wireless), white
CZ-RTC6WBL	CONEX wired remote controller with Bluetooth®, white
CZ-RTC6	CONEX wired remote controller (non-wireless), black
CZ-RTC6BL	CONEX wired remote controller with Bluetooth®, black
CZ-RTC5B	Wired remote controller with Econavi function

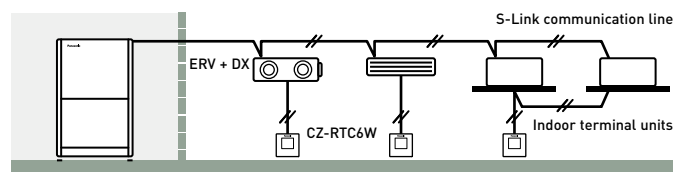
Accessories

CZ-RWS3 + CZ-RWRC3	Infrared remote controller and receiver
PAW-RE2C4-MOD-WH	Room controller for hotel rooms, white
PAW-RE2C4-MOD-BK	Room controller for hotel rooms, black
PAW-RE2D4-WH	Display control for hotel rooms, white
PAW-RE2D4-BK	Display control for hotel rooms, black

Technical focus

- Dual flow ventilation with EC fan, featuring high efficiency heat recovery (>85% η)
- 5 model line-up is available with air flow rates of 480, 800, 1100, 1500 and 1750 m³/h
- 2 types of polystyrene heat exchanger (high efficiency and sensible) with counter-current flows and integrated bypass as standard
- Automatic defrosting of the exchanger
- Low consumption and EC motors with electronic speed control ensure high useful static pressure for circular inlet connection to air ducts
- Wide ambient temperature range up to +50 °C and down to -15 °C
- Modbus connection available

Interconnection to outdoor / indoor units



Aeraulic performance

EC motors with electronic speed control ensure high values of effective static pressure for ducting.

