

## HEAT RECOVERY WITH DX COIL



### Technical focus

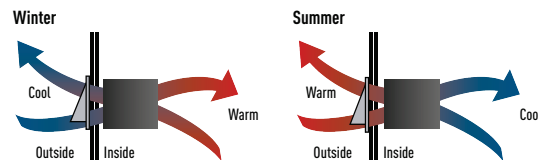
- Motorised heat recovery by-pass device automatically controlled by unit control to use fresh air free-cooling when convenient
- The Bioxygen® purifying system, activates when the fan runs, provides an efficient antibacterial treatment, ensuring optimum health of supplied air

### General characteristics

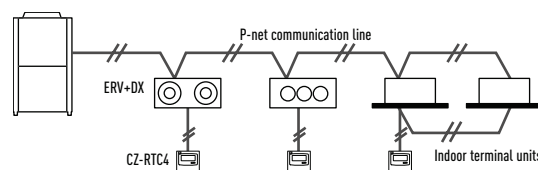
- Galvanized steel self-supporting panels, internally and externally insulated
- Counterflow air-to-air heat recovery device, made of sheets of special paper with special sealing to keep airflows separate and only permeable to water vapor. Total heat exchange with temperature efficiency up to 77% and enthalpy efficiency up to 63%, also at high level during summer season
- G4 efficiency class filters with synthetic cleanable media, both on fresh air and return air intake
- Removable side panel to access filters and heat recovery in the event of scheduled maintenance
- Low consumption, high efficiency & low noise direct driven fans with 3-speed EC motors
- Supply section complete with DX Coil (R410A) fitted with solenoid control valve, freon filter, contact temperature sensors on liquid and gas line, NTC sensors upstream and downstream airflow
- Built-in electric box equipped with PCB to control internal fan speed and to interconnect outdoor/indoor units
- Duct connection by circular plastic collars
- CZ-RTC4 Timer remote controller (option)



### Balanced Ventilation

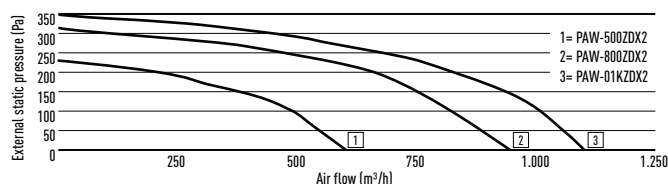


### Interconnection to outdoor/indoor units



### Characteristic curves

The following curves show the unit external static pressure at maximum fan speed for each model.



Optional Controller.  
Control for hotel application  
PAW-REZC3



Optional Controller.  
Wired remote controller  
CZ-RTC5  
Compatible with Econavi



Optional Controller.  
Timer remote controller  
CZ-RTC4  
Compatible with Econavi



Optional Econavi Sensor.  
CZ-CENSC1

Model			PAW-500ZDX2		PAW-800ZDX2		PAW-01KZDX2	
Power source			230 V / Single Phase / 50 Hz		230 V / Single Phase / 50 Hz		230 V / Single Phase / 50 Hz	
Air volume	Hi / Med / Lo	m³/h	500 / 500 / 360		800 / 800 / 625		1.000 / 780 / 650	
External static pressure¹	Hi / Med / Lo	Pa	85 / 45 / 21		117 / 68 / 18		104 / 69 / 17	
Maximum current		A	1.1		2.3		2.5	
Maximum power input		W	135		300		310	
Sound pressure level³	Hi / Med / Lo	dB(A)	33 / 31 / 27		38 / 36 / 32		39 / 37 / 33	
Pipe connections	Liquid / Gas	inch (mm)	1/4 (6.35) / 1/2 (12.70)		1/4 (6.35) / 1/2 (12.70)		1/4 (6.35) / 1/2 (12.70)	
HEAT RECOVERY								
Temperature efficiency summer mode		%	62.5		59		59.5	
Enthalpy efficiency summer mode		%	60		57		57.5	
Saved power summer mode		kW	1.7		2.5		3.2	
Temperature efficiency winter mode		%	76.5 (76.5)		73 (73)		73.5 (73.5)	
Enthalpy efficiency winter mode		%	62.3 (64.1)		59 (60.8)		59.5 (61.2)	
Saved power winter mode		kW	4.3 (4.8)		6.5 (7.3)		8.2 (9.0)	
DX COIL								
Total cooling capacity		kW	3.7		4.9		5.6	
Sensible cooling capacity		kW	2.3		3.3		3.8	
Off temperature		Cooling °C	14.4		16.2		17.0	
Off relative humidity		Cooling %	87		83		82	
Total heating capacity		kW	3.9 (4.1)		5.4 (5.7)		6.3 (6.7)	
Off temperature		Heating °C	35.4 (34.6)		32.6 (31.7)		31.3 (30.3)	
Off relative humidity		Heating %	11 (11)		12 (13)		13 (14)	

Nominal summer conditions: Outside air: 32°C DB, RH 50%. Ambient air: 26°C DB, RH 50%. Nominal winter conditions: Outside air: -5°C (-10°C) DB, RH 80%. Ambient air: 20°C DB, RH 50%. Cooling mode air inlet condition: 28.5°C DB, RH 50%; evaporating temp. 4°C. Heating mode air inlet condition: 13°C DB, RH 40% (11°C DB, RH 45%); condensating temperature 49°C. DB: Dry Bulb; RH: Relative Humidity.

1) Referred to the nominal airflow after filter and plate heat exchanger. 3) Referred to 1.5 meters from inlet in free field condition.



ECONAVI and INTERNET CONTROL: Optional.