

ERV-ENERGY RECOVERY



XEC Chilled/Hot Water Coil Unit

XEC400P1 Technical Data

Technical Specifications

Nominal Airflow

Supply Air (l/sec)	300 - 400
Exhaust Air (l/sec)	300 - 400
Return Air (l/sec)	300 - 400
Fresh Air (l/sec)	300 - 400

Supply Fan

Fan Type	EC Plug Fan
Motor Power (Watts)	750
External Static (Pa)	200
Fan Diameter	250
Number of Fans	1

Exhaust Fan

Fan Type	EC Plug
Motor Power (Watts)	750
External Static (Pa)	200
Fan Diameter	250
Number of Fans	1

Electrical

Supply Fan (A)	3.3 - 3.3 - 3.3
Exhaust Fan (A)	3.3 - 3.3 - 3.3
Maximum Full Load (A)	6.6 - 6.6 - 6.6
Volt/Phase	240V/1ph

Controls

0-10V DC (Fan Control)	Included
24V AC Control Relays	Included
Fan Fault Signal	Included
Fan Status	Available
Switchboard	Yes
Circuit Breakers	Yes

Heat Exchanger

*Rated at standard conditions of 35.5° db/24.0° wb

Enthalpy Media	Available
Sensible Media	Standard
Face Velocity (m/sec)	1.00
Pressure Drop (Pa)	44
Kw Recovered (Cooling)*	3.4
Kw Recovered (Heating)*	5.6

Cabinet Construction

Casing	50mm Insulated Panel
Insulation Value	R2.0
Side Access Panels	Included

Chilled Water Coil - if required (Nom. rating)

Total Capacity (Kw)	11.0
Max. Size FL x FH (mm)	610 x 610
Water In (°C)/ Water Out (°C)	7° / 14°
Coil Coating	Epoxy Coating
Face Velocity (m/sec)	1.1
Stainless Steel Drain Tray	Included

Hot Water Coil - if required (Nom. rating)

Total Capacity (Kw)	11.0
Max. Size FL x FH (mm)	610 x 610
Water In (°C)/ Water Out (°C)	80° / 60°
Coil Coating	Epoxy Coating
Face Velocity (m/sec)	1.1

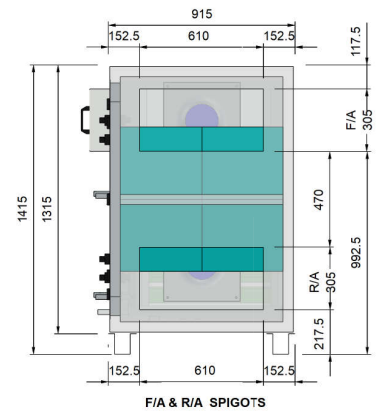
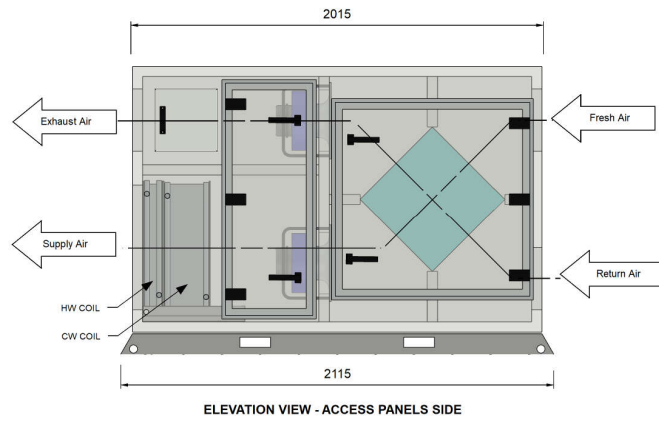
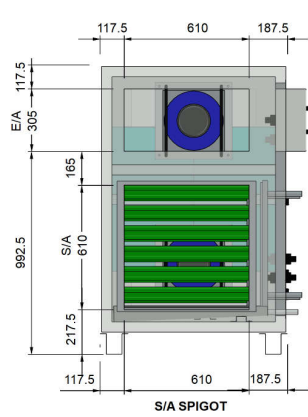
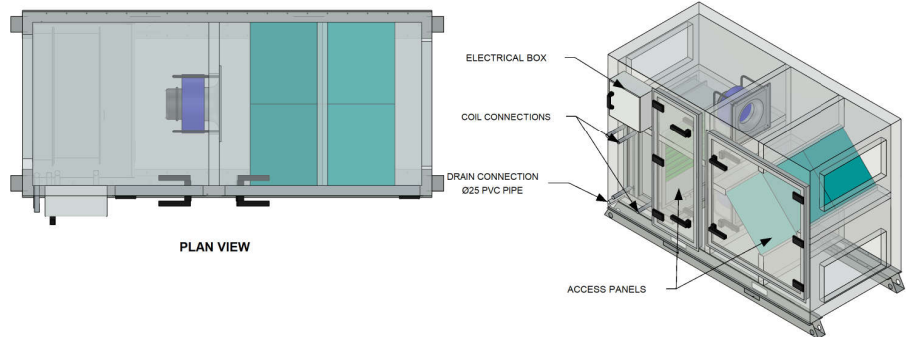
Options

Economy Cycle	Available
Return Air Bypass	Available
Corrosion Resistant Lining	Available

ERV-ENERGY RECOVERY

XEC External Mount Unit – XEC400P1 Technical Data

Technical Drawings – XEC400P1



Dimension

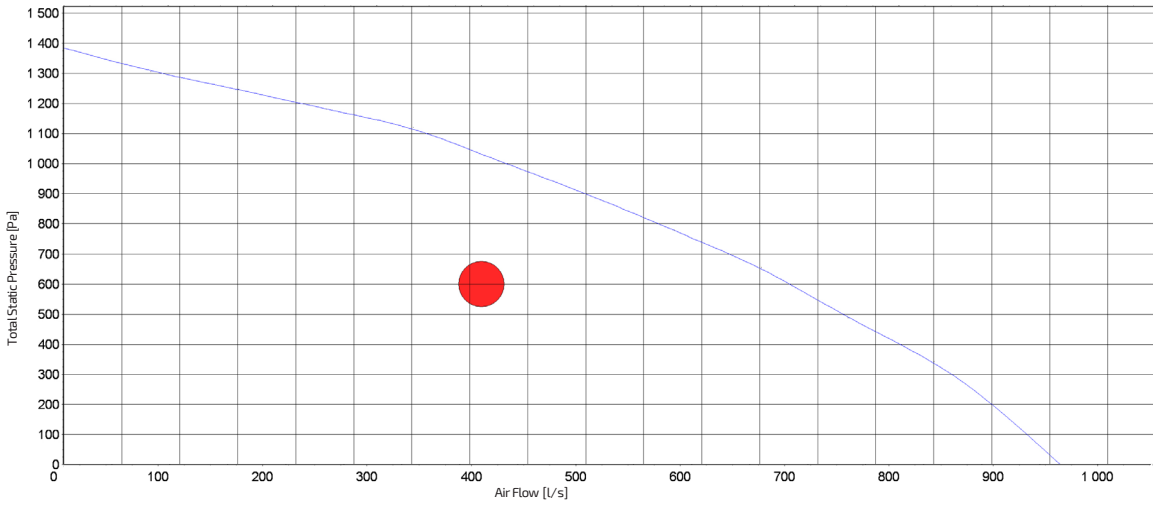
Height (mm)	1415
Width (mm)	915
Length (mm)	2015
Weight (Kg)	430
Access Clearance (mm)	1200 (Fan & Media Access)

Duct Sizes

Exhaust Air (mm)	610 x 305
Return Air (mm)	610 x 305
Supply Air (mm)	610 x 610
Fresh Air (mm)	610 x 305

Fan Performance Data

*Duty point – 400 L/s at 600 Pa Total Static Pressure (250Pa External Static Pressure)

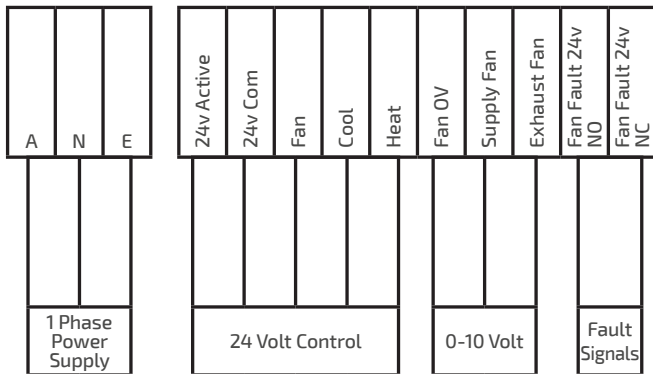


Sound Power Levels

*Sound power levels at 600 Pa Total Static Pressure and 400 L/s Total Air Volume

Inlet Rating dB (A)		Outlet Rating dB (A)	
63 Hz	47.6	63 Hz	43.4
125 Hz	56.8	125 Hz	54.2
250 Hz	62.6	250 Hz	68.7
500 Hz	66.4	500 Hz	69.5
1 K Hz	66.5	1K Hz	71.4
2K Hz	66.5	2K Hz	71.7
4K Hz	69.4	4K Hz	66.8
8K Hz	54.8	8K Hz	60.7
LwA	73.9	LwA	77.1

Wiring Diagram



STANDARD INCLUSIONS

- Fan Speed Controller
- 0-10v DC - BMS Connection, **OR**
- 24v AC - Fan Speed Control via Pots
- Circuit Breakers

