

ERV-ENERGY RECOVERY



XEC Chilled/Hot Water Coil Unit

XEC1200P3 Technical Data

Technical Specifications

Nominal Airflow

Supply Air (l/sec)	900 - 1200
Exhaust Air (l/sec)	900 - 1200
Return Air (l/sec)	900 - 1200
Fresh Air (l/sec)	900 - 1200

Supply Fan

Fan Type	EC Plug
Motor Power (Watts)	1900
External Static (Pa)	250
Fan Diameter	355
Number of Fans	1

Exhaust Fan

Fan Type	EC Plug
Motor Power (Watts)	1900
External Static (Pa)	250
Fan Diameter	355
Number of Fans	1

Electrical

Supply Fan (A)	3.0 - 3.0 - 3.0
Exhaust Fan (A)	3.0 - 3.0 - 3.0
Maximum Full Load (A)	6.0 - 6.0 - 6.0
Volt/Phase	415V/3ph

Controls

0-10V DC (Fan Control)	Included
24V AC Control Relay	Included
Fan Fault Signal	Included
Fan Run 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)	1.67
Pressure Drop (Pa)	84
Kw Recovered (Cooling)*	7.1
Kw Recovered (Heating)*	11.3

Cabinet Construction

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

Chilled Water Coil - if required (Nom. rating)

Total Capacity (Kw)	27.0
Max. Size FL x FH (mm)	915 x 610
Water In (°C)/ Water Out (°C)	7° / 14°
Coil Coating	Epoxy Coating
Face Velocity (m/sec)	2.1
Stainless Steel Drain Tray	Included

Hot Water Coil - if required (Nom. rating)

Total Capacity (Kw)	27.0
Max. Size FL x FH (mm)	915 x 610
Water In (°C)/ Water Out (°C)	80° / 60°
Coil Coating	Epoxy Coating
Face Velocity (m/sec)	2.1

Options

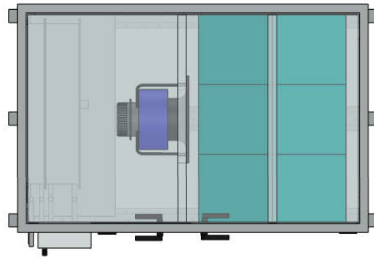
Economy Cycle	Available
Return Air Bypass	Available
Corrosion Resistant Lining	Available

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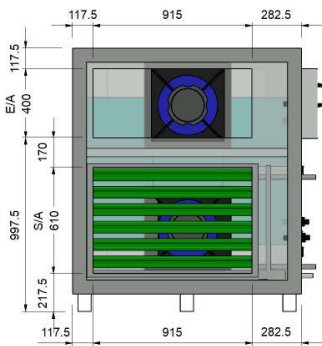
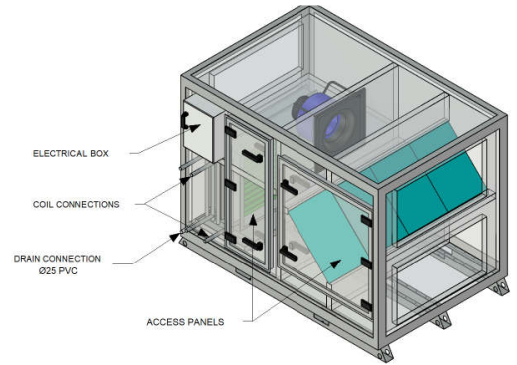
XEC Chilled/ Hot Water Coil Unit – XEC1200P3 Technical Data



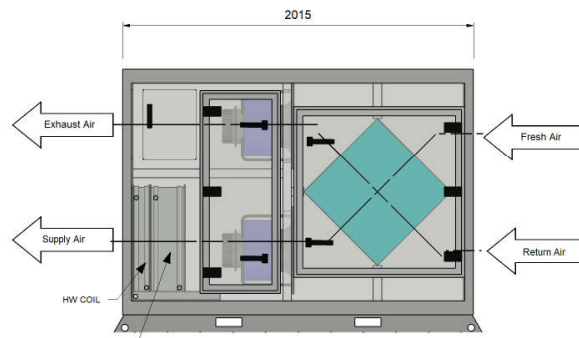
Technical Drawings – XEC1200P3



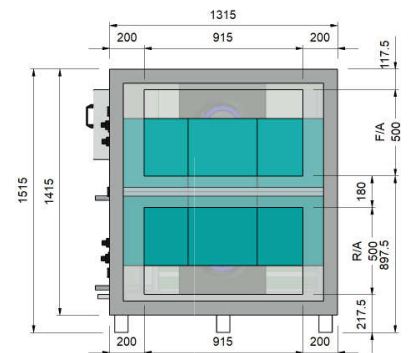
PLAN VIEW



E/A & S/A SPIGOTS



ELEVATION VIEW - ACCESS PANELS SIDE



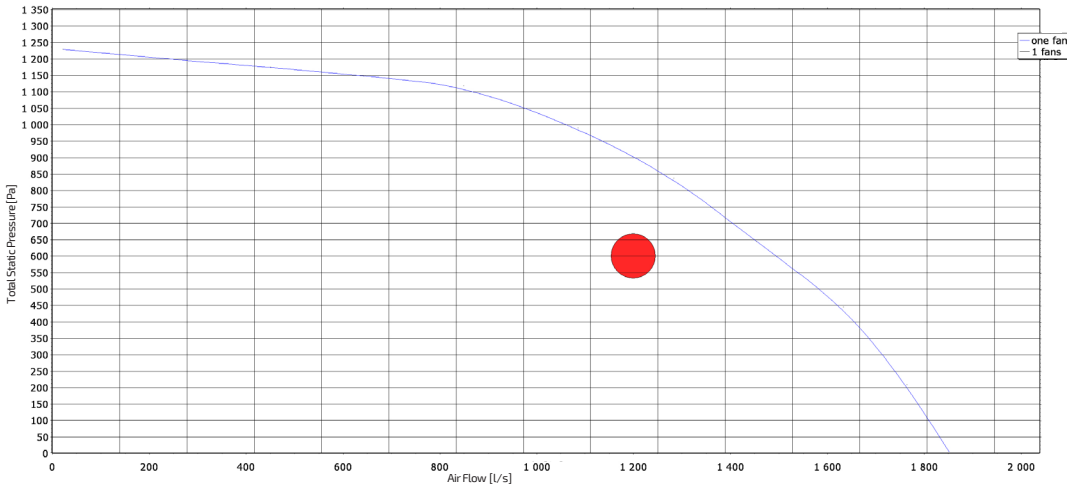
F/A & R/A SPIGOTS

Dimension	
Height (mm)	1515
Width (mm)	1315
Length (mm)	2015
Weight (Kg)	625
Access Clearance (mm)	1200 (Fan & Media Access)

Duct Sizes	
Exhaust Air (mm)	915 x 400
Return Air (mm)	915 x 500
Supply Air (mm)	915 x 610
Fresh Air (mm)	915 x 500

Fan Performance Data

*Duty point - 1200 L/s at 600 Pa Total Static Pressure (250Pa External Static Pressure)



Sound Power Levels

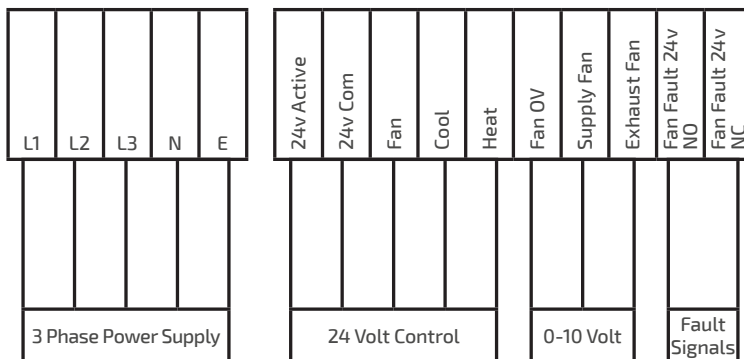
*Sound power levels at 600 Pa Total Static Pressure and 1200 L/s Total Air Volume

Inlet Rating dB (A)

Outlet Rating dB (A)

63 Hz	35.2	63 Hz	37.9
125 Hz	51.7	125 Hz	51.8
250 Hz	65.4	250 Hz	64.0
500 Hz	68.0	500 Hz	70.8
1 K Hz	70.2	1K Hz	77.4
2K Hz	72.0	2K Hz	77.3
4K Hz	73.4	4K Hz	77.9
8K Hz	63.4	8K Hz	68.2
LwA	77.8	LwA	82.8

Wiring Diagram



STANDARD INCLUSIONS

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

Circuit Breakers

