

# ERV-ENERGY RECOVERY

## XEC Chilled/Hot Water Coil Unit

### XEC1500P3 Technical Data



## Technical Specifications

### Nominal Airflow

Supply Air (l/sec)	1300 - 1500
Exhaust Air (l/sec)	1300 - 1500
Return Air (l/sec)	1300 - 1500
Fresh Air (l/sec)	1300 - 1500

### 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

\*Max FLA to be used to size supply cables and relevant safety devices

Total Run Current (A)	4.4 - 4.4 - 4.4
Maximum Full Load (A)	6.6 - 6.6 - 6.6
Power Supply (V/Ph/Hz)	415/3/50

### 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	Sensible
Corrosion Resistant Media	Not Available	Available
Face Velocity (m/sec)	2.28	1.9
Pressure Drop (Pa)	249	77.64
Kw Recovered (Cooling)*	24.5	12.66
Kw Recovered (Heating)*	29	15.26

### Cabinet Construction

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

### Chilled Water Coil - if required (Nom. rating)

Total Capacity (Kw)	36.0
Max. Size FL x FH (mm)	740 x 960
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)	36.0
Max. Size FL x FH (mm)	740 x 960
Water In (°C)/ Water Out (°C)	80° / 60°
Coil Coating	Epoxy Coating
Face Velocity (m/sec)	2.1

### Options

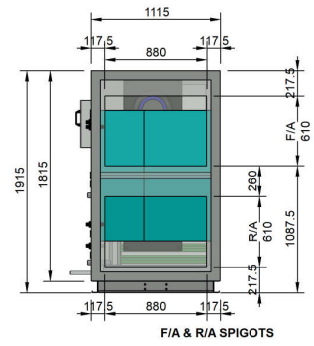
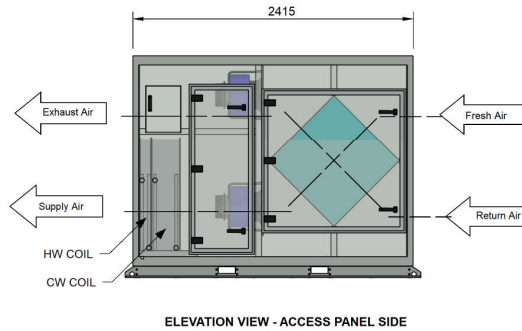
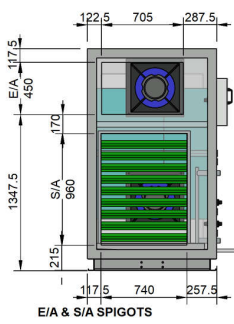
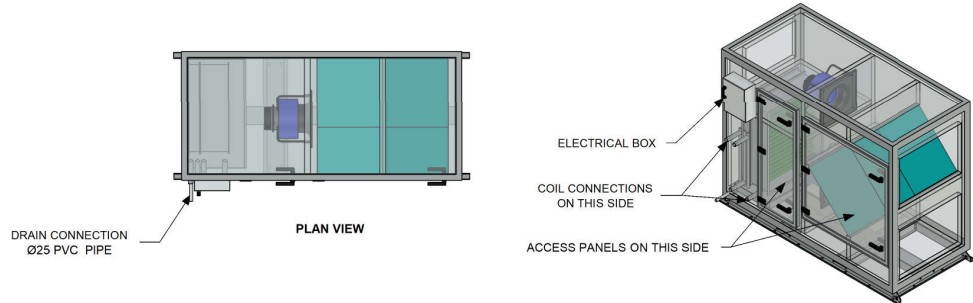
Economy Cycle	Available
Return Air Bypass	Available
Corrosion Resistant Lining	Available

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## XEC Chilled/ Hot Water Coil Unit – XEC1500P3 Technical Data



### Technical Drawings – XEC1500P3

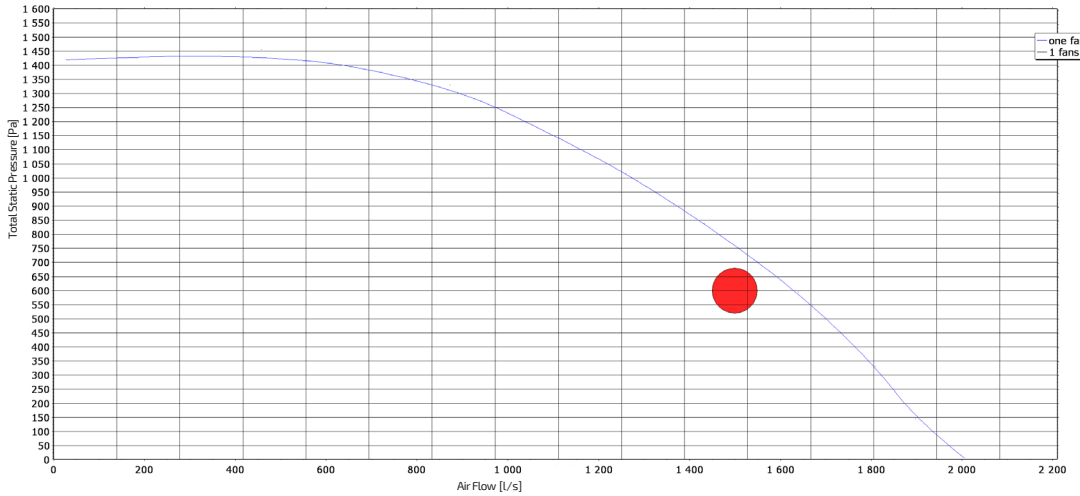


Dimension	
Height (mm)	1915
Width (mm)	1115
Length (mm)	2415
Weight (Kg)	850
Access Clearance (mm)	1200 (Fan & Media Access)

Duct Sizes	
Exhaust Air (mm)	705 x 450
Return Air (mm)	880 x 610
Supply Air (mm)	705 x 960
Fresh Air (mm)	880 x 610

### Fan Performance Data

\*Duty point - 1500 L/s at 600 Pa Total Static Pressure (250Pa External Static Pressure)

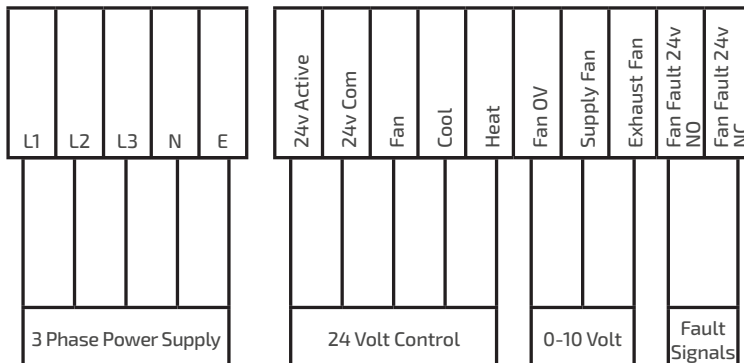


### Sound Power Levels

\*Sound power levels at 600 Pa Total Static Pressure and 1500 L/s Total Air Volume

Inlet Rating dB (A)		Outlet Rating dB (A)	
63 Hz	66.9	63 Hz	69.5
125 Hz	74.6	125 Hz	75.9
250 Hz	74.3	250 Hz	74.8
500 Hz	70.8	500 Hz	76.8
1K Hz	69.8	1K Hz	78.3
2K Hz	69.1	2K Hz	75
4K Hz	66.1	4K Hz	70.9
8K Hz	62.5	8K Hz	66.2
LwA	75.7	LwA	81.9

### Wiring Diagram



#### STANDARD INCLUSIONS

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

Circuit Breakers

