

ERV-ENERGY RECOVERY



XEC Chilled/Hot Water Coil Unit

XEC6000P3 Technical Data

Technical Specifications

Nominal Airflow

Supply Air (l/sec)	5500 - 6000
Exhaust Air (l/sec)	5500 - 6000
Return Air (l/sec)	5500 - 6000
Fresh Air (l/sec)	5500 - 6000

Supply Fan

Fan Type	EC Plug
Motor Power (Watts)	4500
External Static (Pa)	250
Fan Diameter	450
Number of Fans	2

Exhaust Fan

Fan Type	EC Plug
Motor Power (Watts)	4500
External Static (Pa)	250
Fan Diameter	450
Number of Fans	2

Electrical

Supply Fan (A)	13.6 - 13.6 - 13.6
Exhaust Fan (A)	13.6 - 13.6 - 13.6
Maximum Full Load (A)	27.2 - 27.2 - 27.2
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)	1.875
Pressure Drop (Pa)	75
Kw Recovered (Cooling)*	43.6
Kw Recovered (Heating)*	70.2

Cabinet Construction

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

Chilled Water Coil - if required (Nom. rating)

Total Capacity (Kw)	133.0
Max. Size FL x FH (mm)	3740 x 840
Water In (°C)/ Water Out (°C)	7° / 14°
Coil Coating	Epoxy Coating
Face Velocity (m/sec)	1.91
Stainless Steel Drain Tray	Included

Hot Water Coil - if required (Nom. rating)

Total Capacity (Kw)	133.0
Max. Size FL x FH (mm)	3740 x 840
Water In (°C)/ Water Out (°C)	80° / 60°
Coil Coating	Epoxy Coating
Face Velocity (m/sec)	1.91

Options

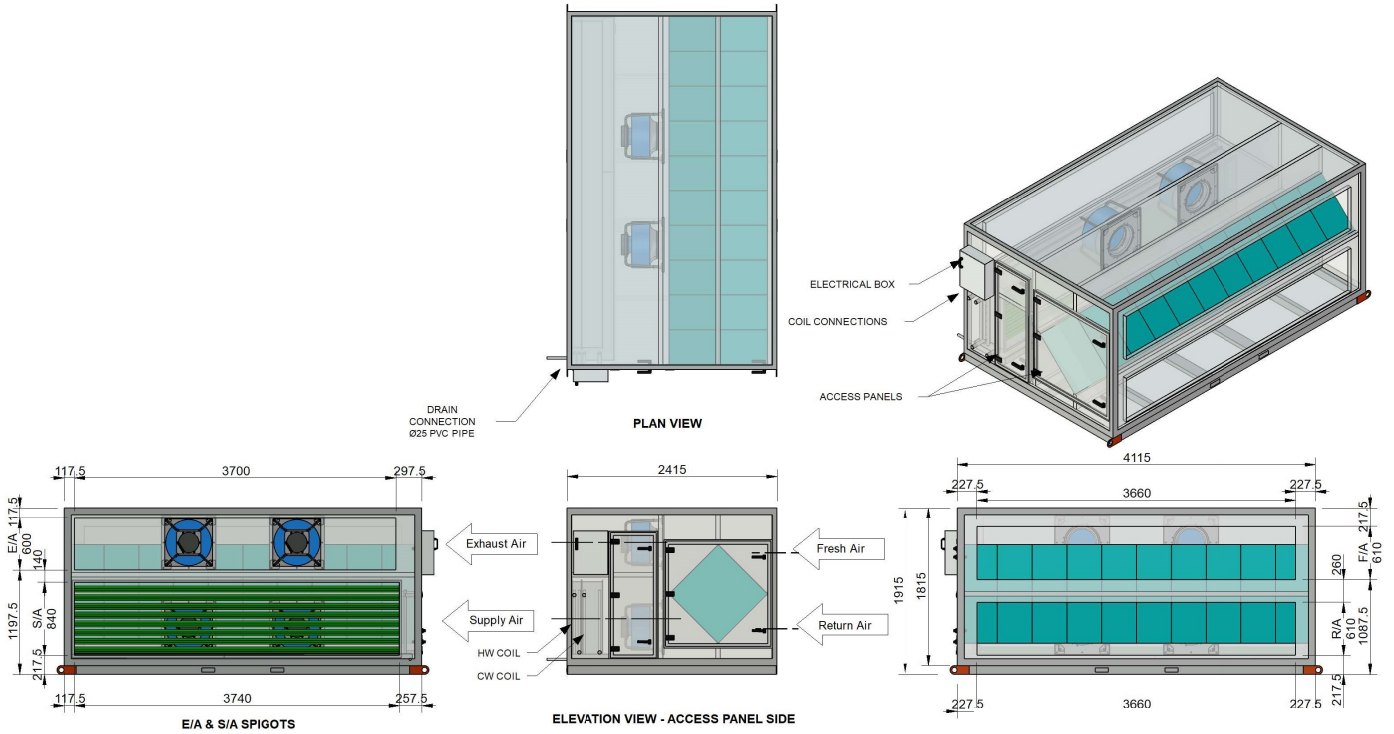
Economy Cycle	Available
Return Air Bypass	Available
Corrosion Resistant Lining	Available

ERV-ENERGY RECOVERY

XEC Chilled/ Hot Water Coil Unit – XEC6000P3 Technical Data



Technical Drawings – XEC6000P3



Dimension

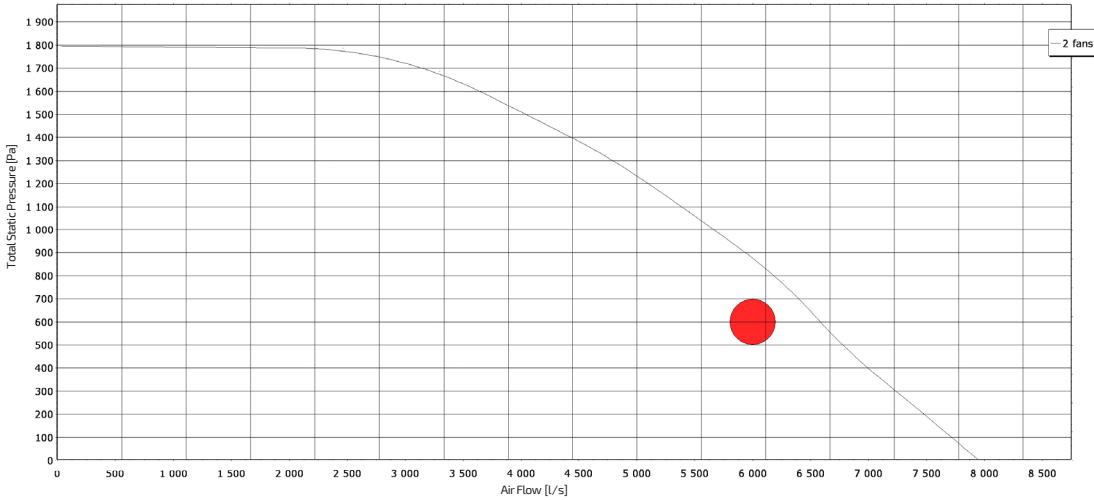
Height (mm)	1915
Width (mm)	4115
Length (mm)	2415
Weight (Kg)	2000
Access Clearance (mm)	1200 (Fan & Media Access)

Duct Sizes

Exhaust Air (mm)	3700 x 600
Return Air (mm)	3660 x 610
Supply Air (mm)	3700 x 840
Fresh Air (mm)	3660 x 610

Fan Performance Data

*Duty point - 6000 L/s at 600 Pa Total Static Pressure (250Pa External Static Pressure)

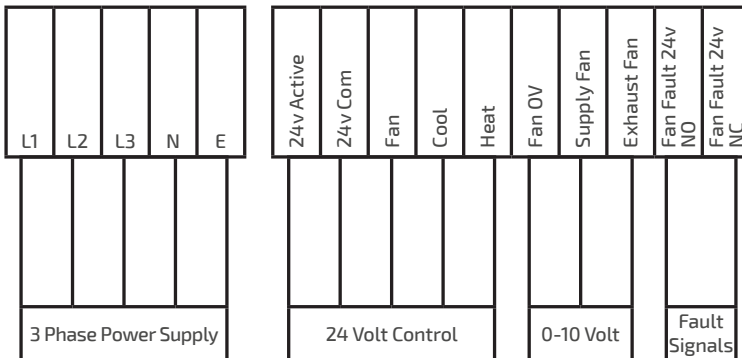


Sound Power Levels

*Sound power levels at 600 Pa Total Static Pressure and 6000 L/s Total Air Volume

Inlet Rating dB (A)		Outlet Rating dB (A)	
63 Hz	49.6	63 Hz	54.0
125 Hz	66.4	125 Hz	67.4
250 Hz	78.9	250 Hz	78.9
500 Hz	83.1	500 Hz	85.7
1 K Hz	81.6	1K Hz	90.1
2K Hz	83.8	2K Hz	91.0
4K Hz	83.3	4K Hz	86.8
8K Hz	88.0	8K Hz	87.4
LwA	91.8	LwA	95.7

Wiring Diagram



STANDARD INCLUSIONS

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

