



XEM1200P3 TECHNICAL DATA

TECHNICAL SPECIFICATIONS

NOMINAL AIRFLOW

Supply Air (l/sec)	1000 - 1200
Exhaust Air (l/sec)	1000 - 1200
Return Air (l/sec)	1000 - 1200
Fresh Air (l/sec)	1000 - 1200

SUPPLY FAN

Fan Type	EC Plug
Fan Motor	EC Motor
Motor Power (Watts)	1900
External Static (Pa)	200
Fan Diameter	355
Number of Fans	1

EXHAUST FAN

Fan Type	EC Plug
Fan Motor	EC Motor
Motor Power (Watts)	1900
External Static (Pa)	200
Fan Diameter	355
Number of Fans	1

ELECTRICAL

Supply Fan FLA (A)	2.6 - 2.6 - 2.6
Exhaust Fan FLA (A)	2.6 - 2.6 - 2.6
Nominal Run Current	5.2 - 5.2 - 5.2
Volt/Phase	415V/3ph
Switchboard	Yes
Circuit Breakers	Yes

CONTROLS

0-10V DC (Fan Control)	Included
24V AC Fan Enable Relay	Included
Fan Fault Signal 24V Output	Included
Fan Run Status	Available

HEAT EXCHANGER

*RATED AT STANDARD CONDITIONS OF
35.5° db/24.0° wb

Enthalpy Media	Standard
Sensible Media	Available
Module Size (mm)	600 x 600 x 400D
Number of Modules	3
Face Velocity (m/sec)	1.89
Pressure Drop (Pa)	130.3
Kw Recovered (Cooling)*	22.7
Kw Recovered (Heating)*	23.6

CABINET CONSTRUCTION

Casing	50mm Panel
Finish	Surfmist Colorbond
Insulation Value	R2.0
Side Access Panels	Included

OPTIONS

Chilled Water/ Hot Water Coil	Available (Model XEC1200)
Economy Cycle	Available
Return Air Bypass	Available
Air Filters	Available

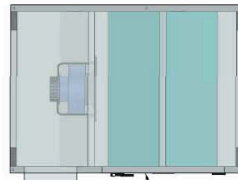
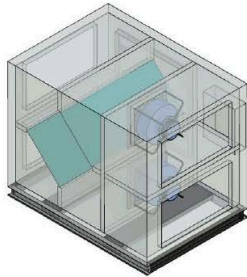
XCHANGE ERV

EXTERNAL MOUNT

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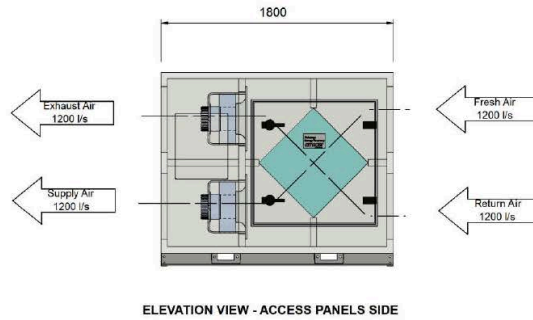
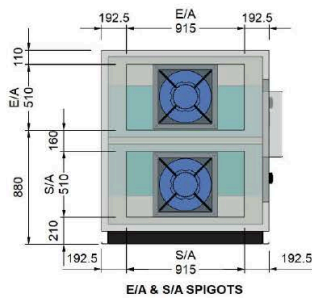
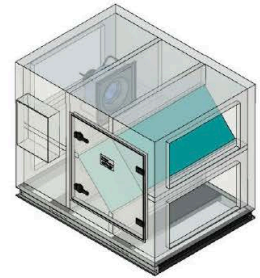


TECHNICAL DRAWINGS - XEM1200P3

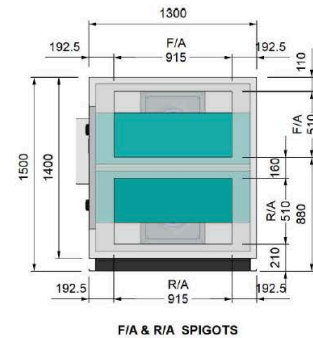


ACCESS PANELS ON THIS SIDE

PLAN VIEW



ELEVATION VIEW - ACCESS PANELS SIDE



F/A & R/A SPIGOTS

DIMENSIONS

Height (mm)	1500
Width (mm)	1300
Length (mm)	1800
Weight (Kg)	440
Access Clearance (mm)	1200 (Fan & Media Access)
Access Clearance (mm)	900 (Electrical Controls)

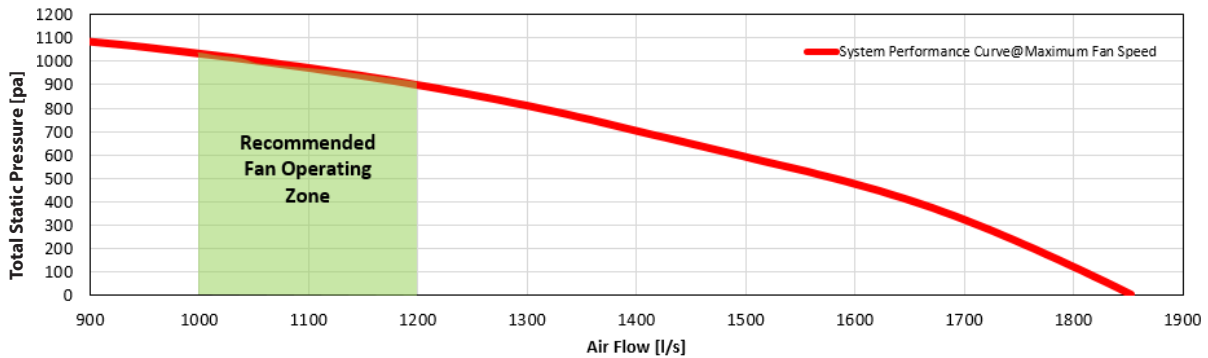
DUCT SIZES

Exhaust Air (mm)	915 x 510
Return Air (mm)	915 x 510
Supply Air (mm)	915 x 510
Fresh Air (mm)	915 x 510



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FAN PERFORMANCE DATA

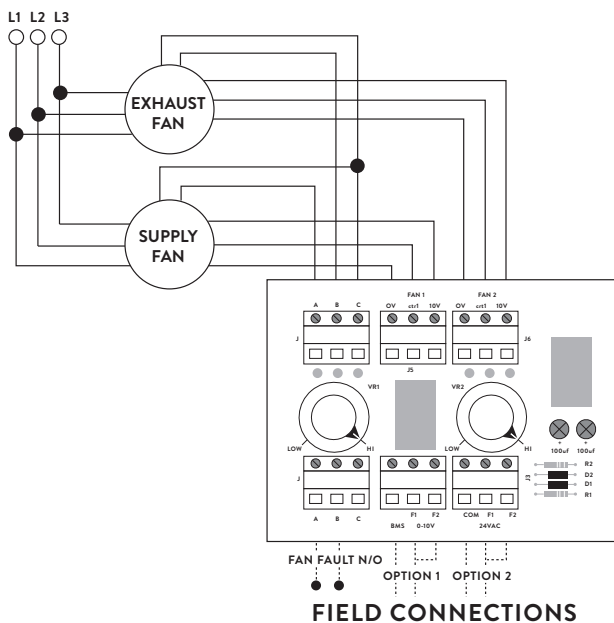


SOUND POWER LEVELS*

INLET RATING dB		OUTLET RATING dB	
63 Hz	65.8	63 Hz	68.2
125 Hz	65.1	125 Hz	66.5
250 Hz	75.3	250 Hz	75.5
500 Hz	74.1	500 Hz	77.4
1K Hz	69.5	1K Hz	79.5
2K Hz	70.3	2K Hz	76.7
4K Hz	67.3	4K Hz	72.3
8K Hz	67.1	8K Hz	70.1
LwA	77.1	LwA	83.3

* Sound Power Levels @ 500 Pa Total Static Pressure and 1200 l/s Total Air Volume.

WIRING DIAGRAM



OPTION 1

0-10V DC CONTROL VIA CONNECTION TO BMS

OPTION 2

24V AC ENABLE REGULATE FAN SPEED VIA POTS

Do not turn main power on/off to enable/disable the unit operation. This must be done through the control circuit.

Designed and manufactured in Australia

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