



XCM800C1 TECHNICAL DATA

TECHNICAL SPECIFICATIONS

NOMINAL AIRFLOW

Supply Air (l/sec)	800
Exhaust Air (l/sec)	800

SUPPLY FAN

Fan Type	Forward Curve Centrifugal
Fan Motor	Direct Drive
Motor Power (Watts)	950
External Static (Pa)	150
Speeds	1
Max Fan Speed (rpm)	1440
Motor Protection	Thermal Overload

EXHAUST FAN

Fan Type	Forward Curve Centrifugal
Fan Motor	Direct Drive
Motor Power (Watts)	950
External Static (Pa)	150
Speeds	1
Fan Speeds (rpm)	1440
Motor Protection	Thermal Overload

ELECTRICAL

Supply Fan FLA (A)	6.0
Exhaust Fan FLA (A)	6.0
Total Run Current (A)	12.0
Volt/Phase	240V/1ph
Connection	Terminal Box

CONTROLS

240V Controls	Included
0-10V DC (Fan Control)	Available
24V AC Controls	Available
Fan Fault	No

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

Enthalpy Media	Standard
Sensible Media	Available
Corrosion Resistant Media	Available
Velocity (m/sec)	2.11
Pressure Drop (Pa)	178
Kw Recovered (Cooling)*	16.9
Kw Recovered (Heating)*	13.45

CABINET CONSTRUCTION

Casing	Galvanised Metal
Insulation Thickness / Density	25mm / 48Kg/m ³
Hanging Brackets	Included

FILTERS

Type	50mm V Form Panel - G4
Disposable / Washable	Disposable
Size L x W x D (mm)	695 x 520 x 50
Number of Filters	2

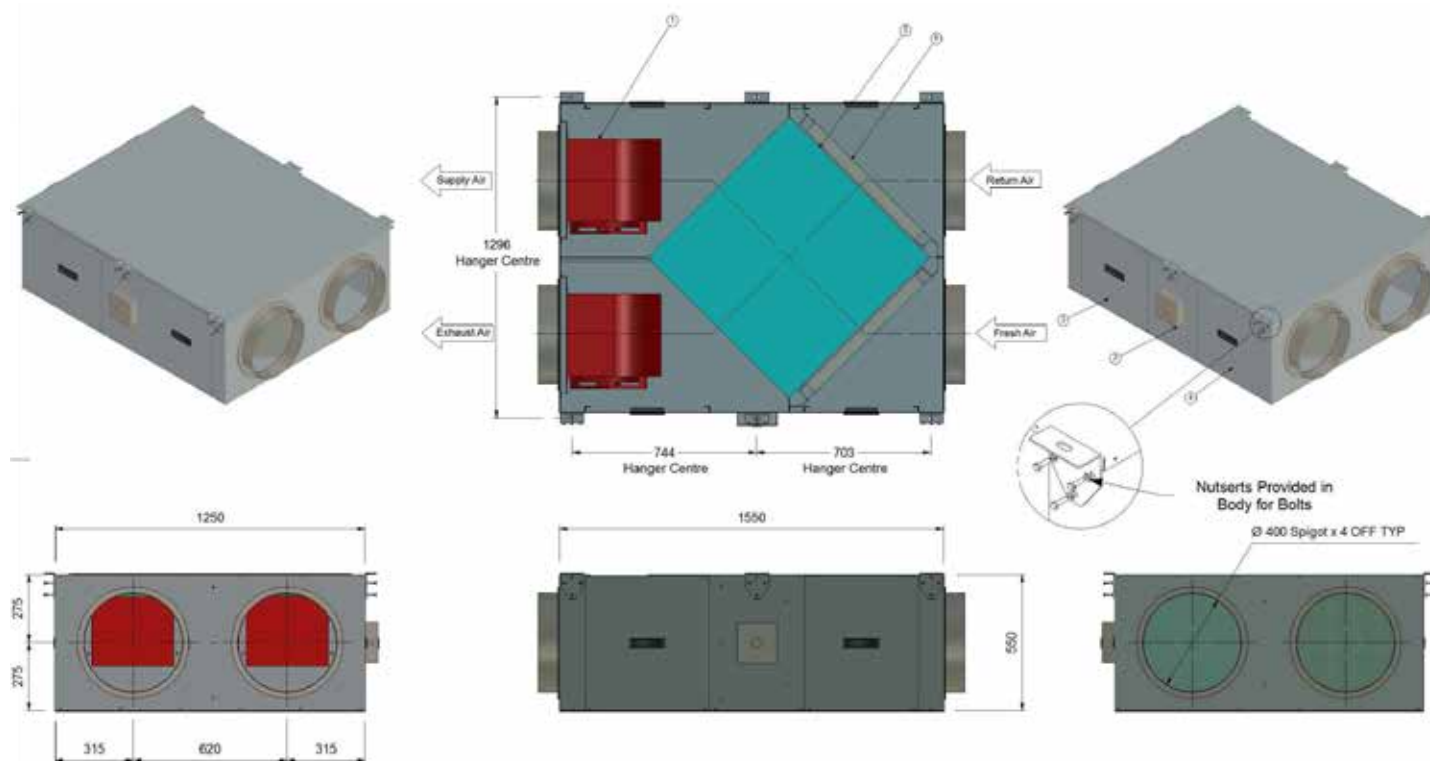
OPTIONS

Hot Water Coil	Available (Model XCC800)
Chilled Water Coil	Available (Model XCC800)
Square Spigots/Metu Frames	Available
Drain Tray	Available
Pressure Sensor	Available
CO2 Sensor	Available
Alarm Relay	Available



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TECHNICAL DRAWINGS



DIMENSIONS

Height (mm)	550
Width (mm)	1250
Length (mm)	1550
Weight (Kg)	210
Access Clearance (mm)	900 (Controls & Filter Access)
Access Clearance (mm)	600 (Filter Access)

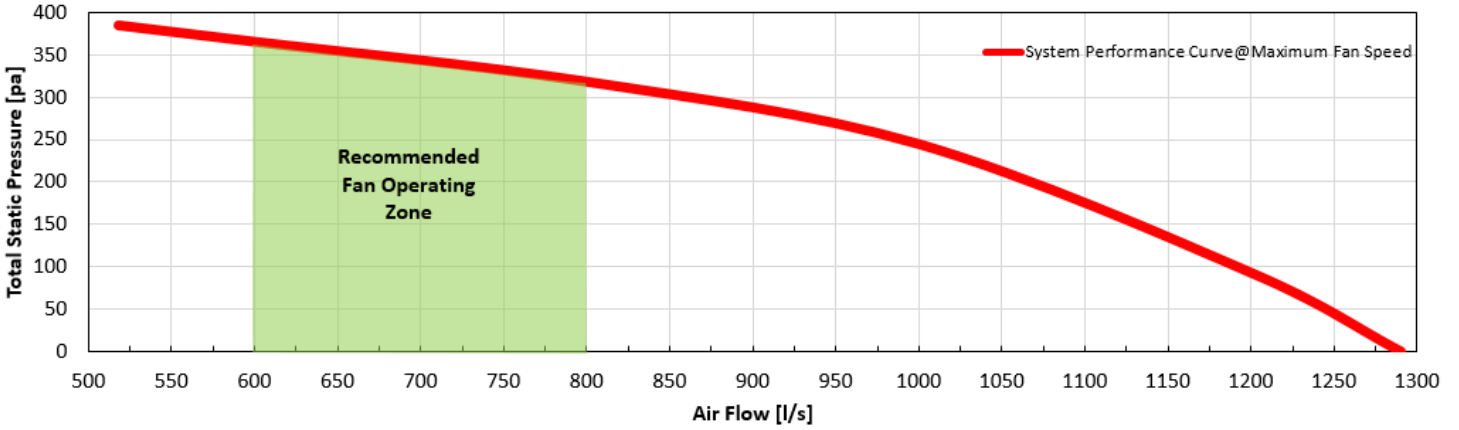
DUCT SIZES

Exhaust Air (mm)	400 Ø
Return Air (mm)	400 Ø
Supply Air (mm)	400 Ø
Fresh Air (mm)	400 Ø



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FAN PERFORMANCE DATA

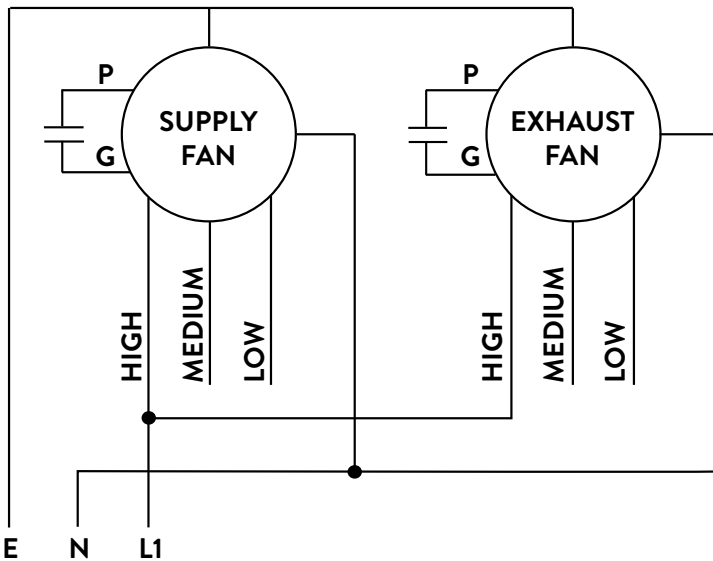


SOUND POWER LEVELS*

INLET RATING dB(A)		INLET RATING dB(A)	
63 Hz	69	1K Hz	75
125 Hz	80	2K Hz	72
250 Hz	84	4K Hz	71
500 Hz	75	8K Hz	63
LwA	81		

* Sound Power Levels @ 350 Pa Total Static Pressure and 800 l/s Total Air Volume.

WIRING DIAGRAM



ELECTRICAL CONNECTIONS

E	EARTH	GREEN/YELLOW
N	NEUTRAL	BLUE
L	ACTIVE	BROWN
H	HIGH SPEED	BROWN
M	MEDIUM SPEED	GREY/ ORANGE
L	LOW SPEED	WHITE

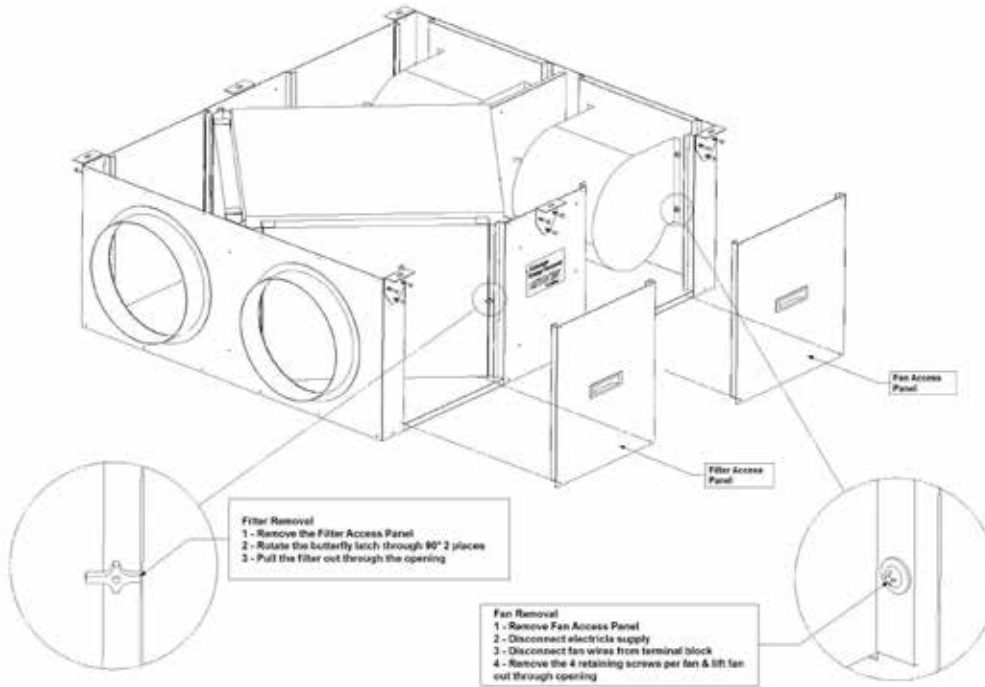
XCHANGE ERV

HEAT RECOVERY

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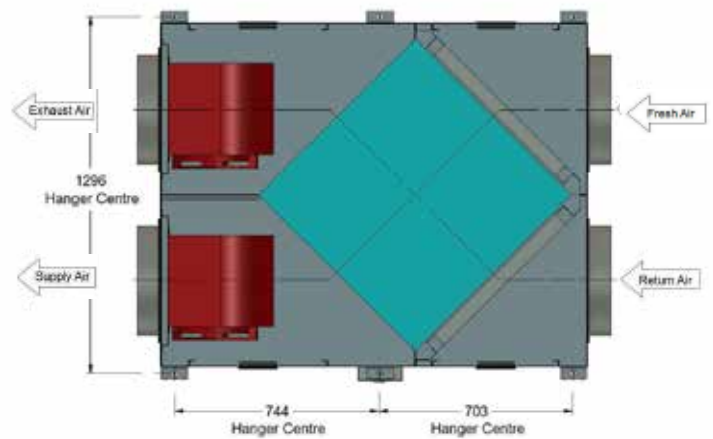
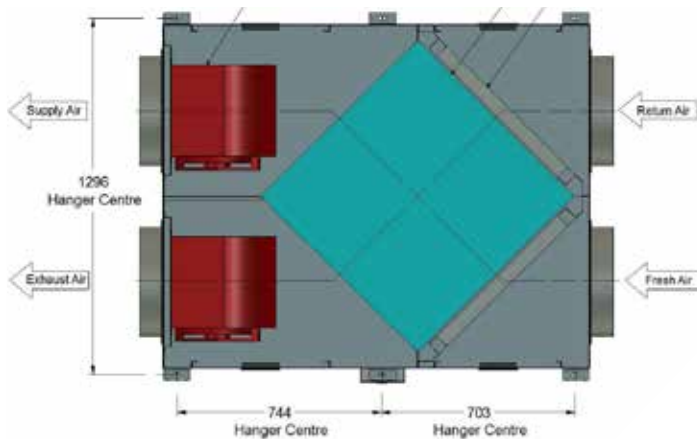
FILTER AND FAN ACCESS



DUCTWORK CONNECTIONS

OPTION 1 does not require any changes to the fan positions inside the unit.

OPTION 2 does not require any changes to the fan positions inside the unit.



RETURN AIR	Air that is drawn from conditioned areas	FRESH AIR	Use a fresh air cowl or grill to introduce fresh air.
EXHAUST AIR	Ducted to outside the building or into the roof space if adequate ventilation to the outside air is available.	SUPPLY AIR	Connect to the Airconditioning system or directly into the conditioned area.

Designed and manufactured in Australia

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