



## XCM600C1 TECHNICAL DATA

### TECHNICAL SPECIFICATIONS

#### NOMINAL AIRFLOW

Supply Air (l/sec)	600
Exhaust Air (l/sec)	600

#### SUPPLY FAN

Fan Type	Forward Curve Centrifugal
Fan Motor	Direct Drive
Motor Power (Watts)	750
External Static (Pa)	150
Speeds	3
Max Fan Speed (rpm)	1440
Motor Protection	Thermal Overload

#### EXHAUST FAN

Fan Type	Forward Curve Centrifugal
Fan Motor	Direct Drive
Motor Power (Watts)	750
External Static (Pa)	150
Speeds	3
Fan Speeds (rpm)	1440
Motor Protection	Thermal Overload

#### ELECTRICAL

Supply Fan FLA (A)	4.9
Exhaust Fan FLA (A)	4.9
Total Run Current (A)	9.8
Volt/Phase	240V/1ph
Connection	Lead & Plug

#### 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)	2.06
Pressure Drop (Pa)	177
Kw Recovered (Cooling)*	12.69
Kw Recovered (Heating)*	10.1

#### CABINET CONSTRUCTION

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

#### FILTERS

Type	50mm V Form Panel - G4
Disposable / Washable	Disposable
Size L x W x D (mm)	695 x 395 x 50
Number of Filters	2

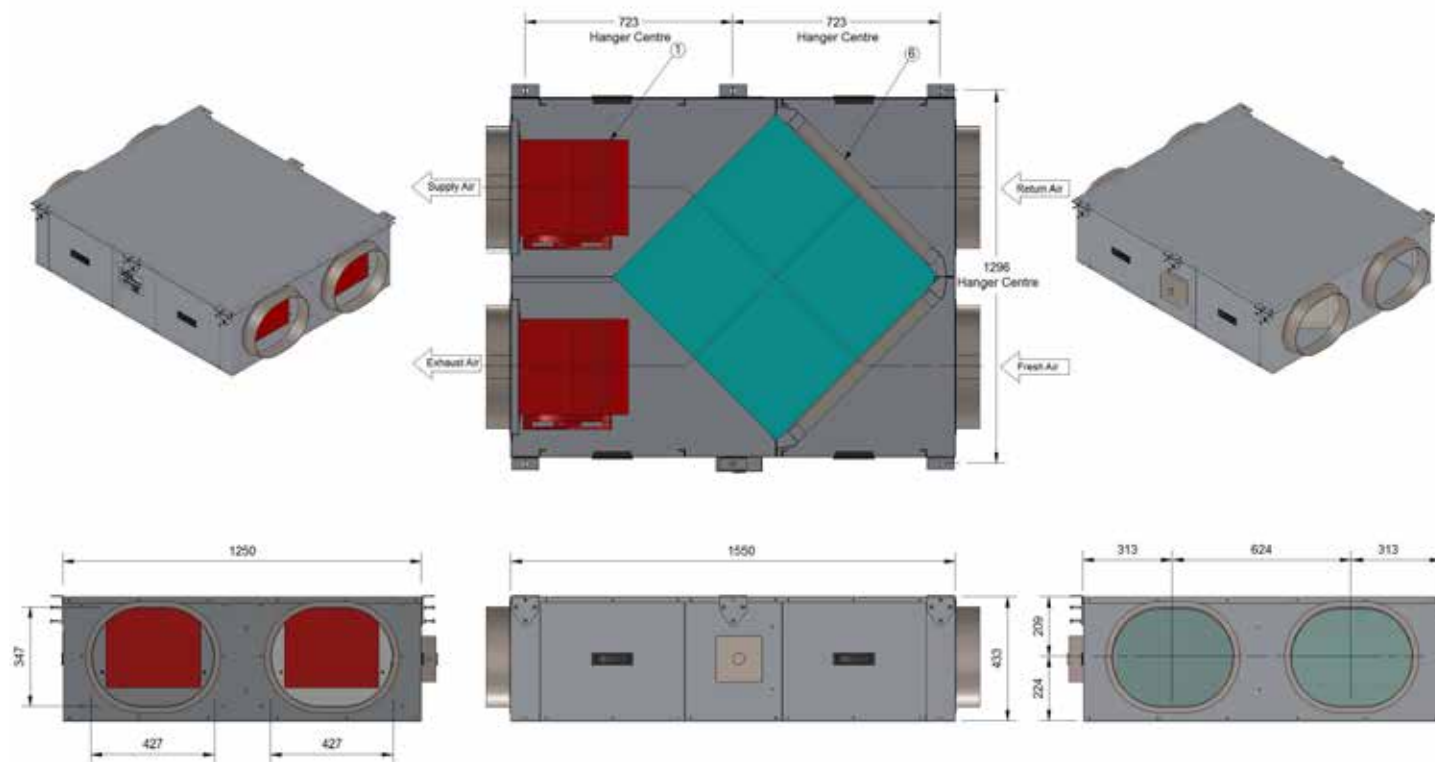
#### OPTIONS

Hot Water Coil	Available (Model XCC600)
Chilled Water Coil	Available (Model XCC600)
Square Spigots/Metu Frames	Available
Drain Tray	Available
Pressure Sensor	Available
CO2 Sensor	Available
Alarm Relay	Available



## XCM600C1 TECHNICAL DATA

### TECHNICAL DRAWINGS



#### DIMENSIONS

Height (mm)	430
Width (mm)	1250
Length (mm)	1550
Weight (Kg)	190
Access Clearance (mm)	900 (Controls & Filter Access)
Access Clearance (mm)	600 (Filter Access)

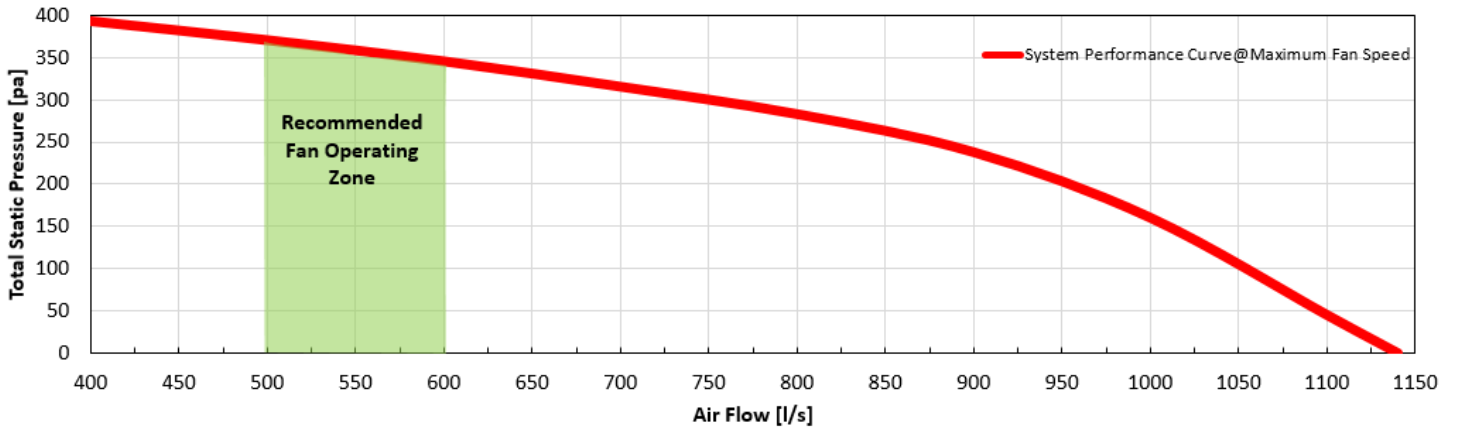
#### DUCT SIZES

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

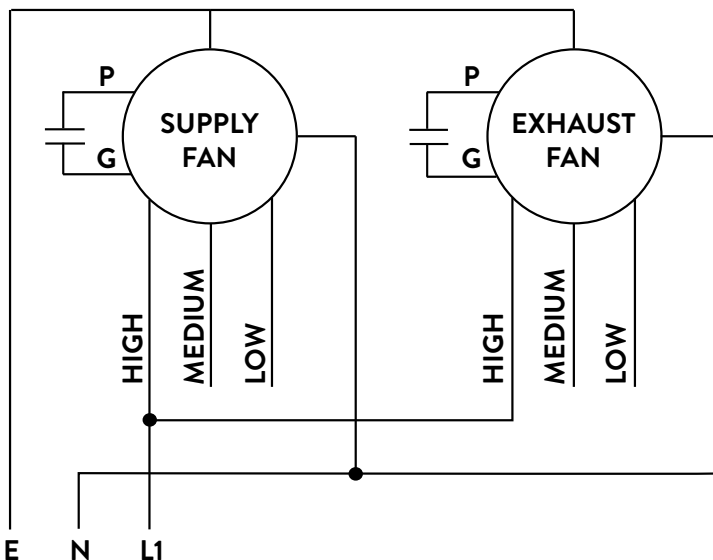


### SOUND POWER LEVELS\*

INLET RATING dB		INLET RATING dB	
63 Hz	74	1K Hz	76
125 Hz	85	2K Hz	74
250 Hz	87	4K Hz	71
500 Hz	78	8K Hz	67
LwA	83		

\* Sound Power Levels @ 350 Pa Total Static Pressure and 600 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

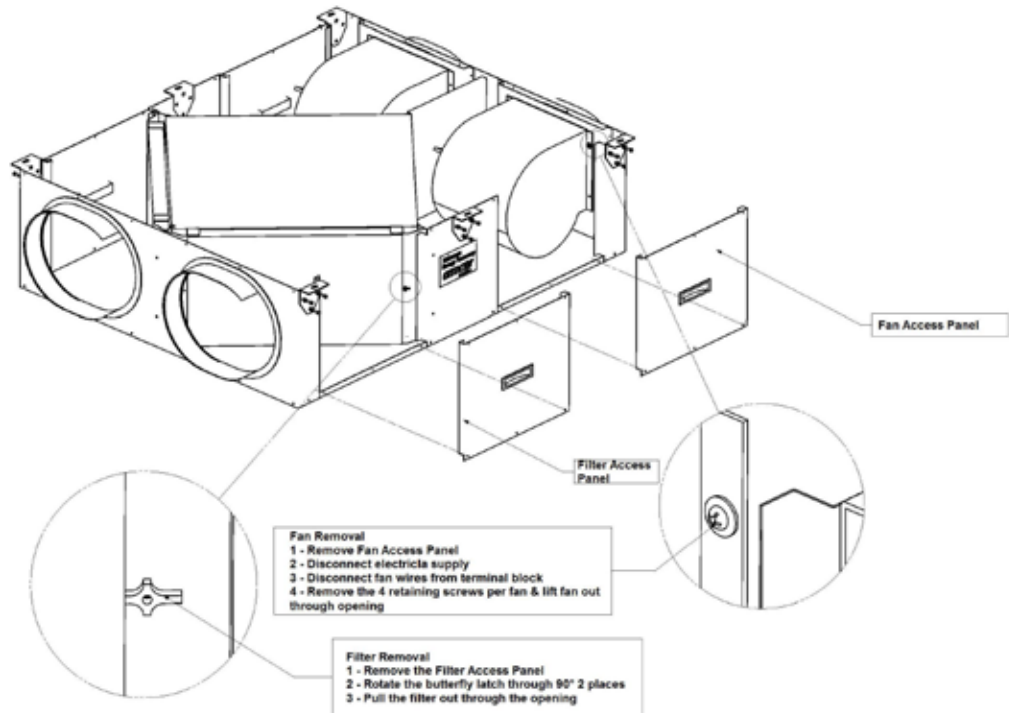
# XCHANGE ERV

HEAT RECOVERY

## XCM600C1 TECHNICAL DATA



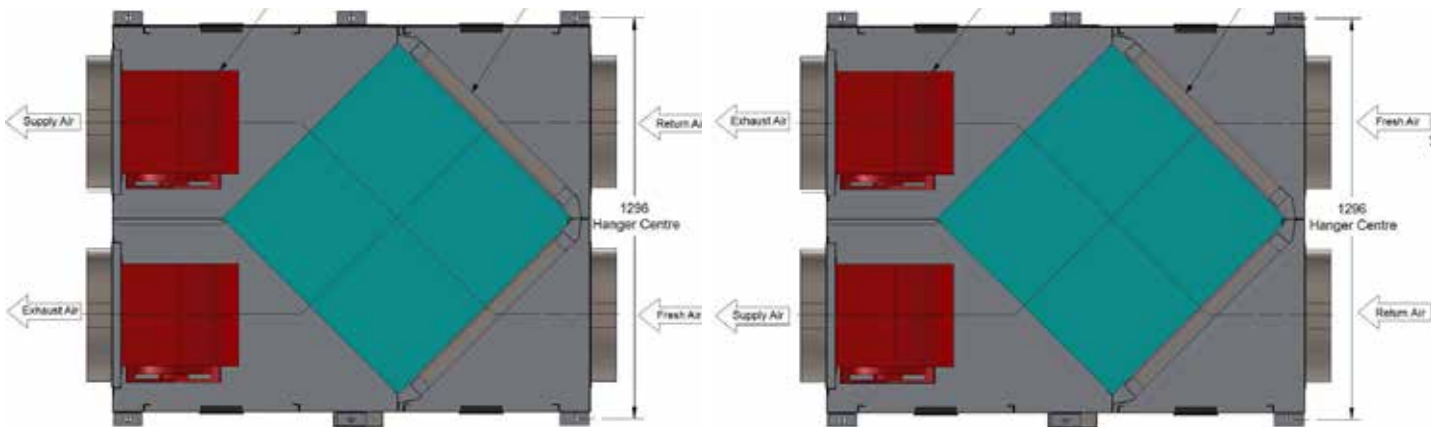
### FILTER AND FAN ACCESS



### 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.



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

Designed and manufactured in Australia

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