



XCM1200P3 TECHNICAL DATA

TECHNICAL SPECIFICATIONS

NOMINAL AIRFLOW

Supply Air (l/sec)	1200
Exhaust Air (l/sec)	1200

SUPPLY FAN

Fan Type	EC Plug Fan
Fan Motor	EC External Rotor
Motor Power (Watts)	1700
External Static (Pa)	250
Fan Diameter	355
Motor Start	Soft Start
Control Input	0-10V DC
Motor Protection	Thermal Overload

EXHAUST FAN

Fan Type	EC Plug Fan
Fan Motor	EC External Rotor
Motor Power (Watts)	1700
External Static (Pa)	250
Fan Diameter	355
Motor Start	Soft Start
Control Input	0-10V DC
Motor Protection	Thermal Overload

ELECTRICAL

Supply Fan FLA (A)	2.6 - 2.6 - 2.6
Exhaust Fan FLA (A)	2.6 - 2.6 - 2.6
Total Run Current (A)	5.2 - 5.2 - 5.2
Volt/Phase	415V/3ph
Connection	Terminal Box

CONTROLS

0-10V DC (Fan Control)	Included
24V AC Controls	Included
Fan Fault	Included

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)	2.09
Pressure Drop (Pa)	177
Kw Recovered (Cooling)*	25.38
Kw Recovered (Heating)*	20.19

CABINET CONSTRUCTION

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

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

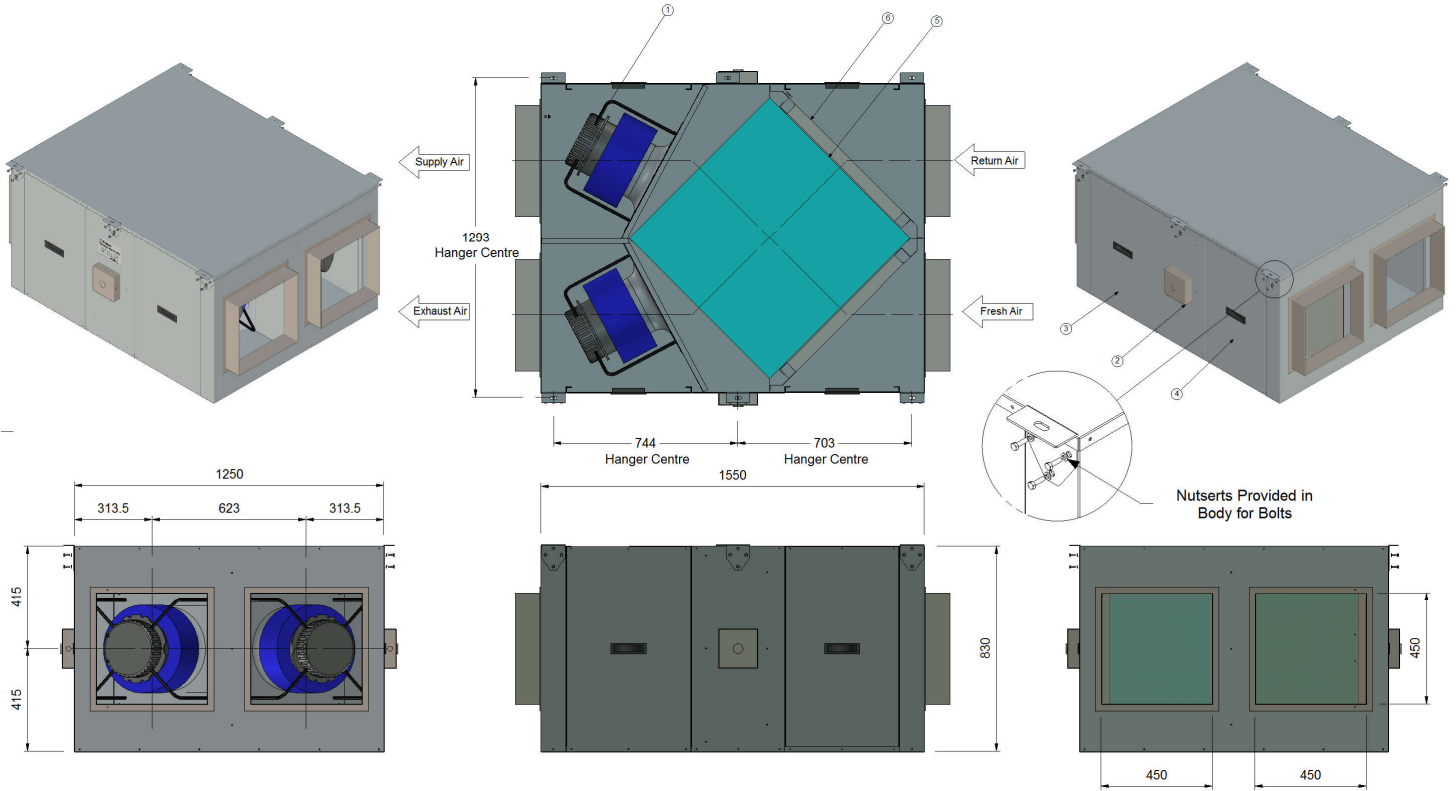
OPTIONS

Hot Water Coil	Available (Model XCC1200)
Chilled Water Coil	Available (Model XCC1200)
Square Spigots/Metu Frames	Available
Drain Tray	Available
Pressure Sensor	Available
CO2 Sensor	Available
Alarm Relay	Available



XCM1200P3 TECHNICAL DATA

TECHNICAL DRAWINGS



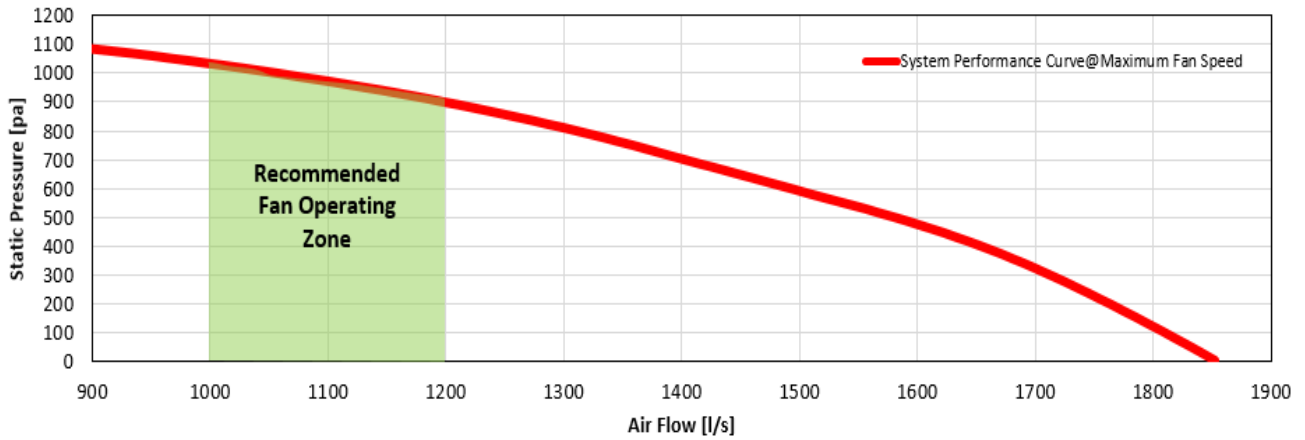
DIMENSIONS	
Height (mm)	835
Width (mm)	1250
Length (mm)	1550
Weight (Kg)	245
Access Clearance (mm)	1200 (Controls & Filter Access)
Access Clearance (mm)	750 (Filter Access)

DUCT SIZES	
Exhaust Air (mm)	450 x 450
Return Air (mm)	450 x 450
Supply Air (mm)	450 x 450
Fresh Air (mm)	450 x 450



XCM1200P3 TECHNICAL DATA

FAN PERFORMANCE DATA

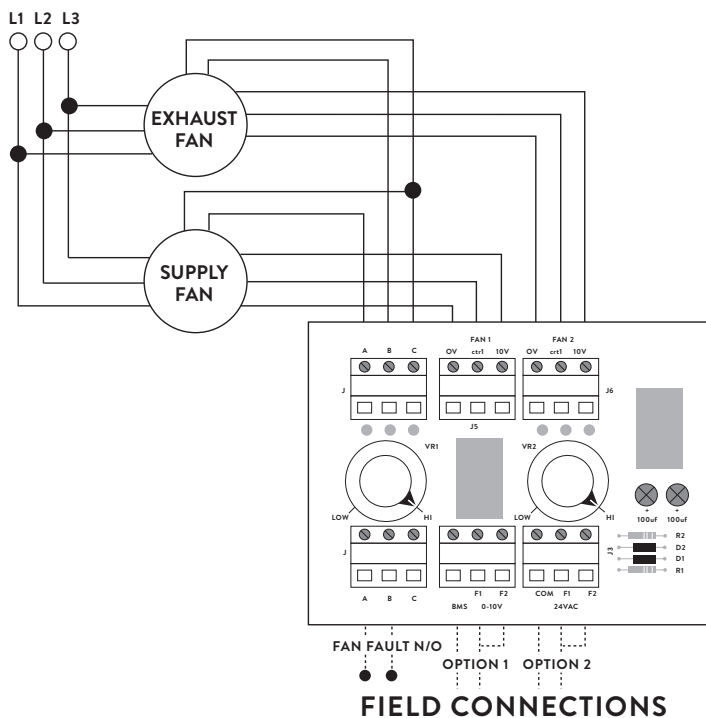


SOUND POWER LEVELS*

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	LpA	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.

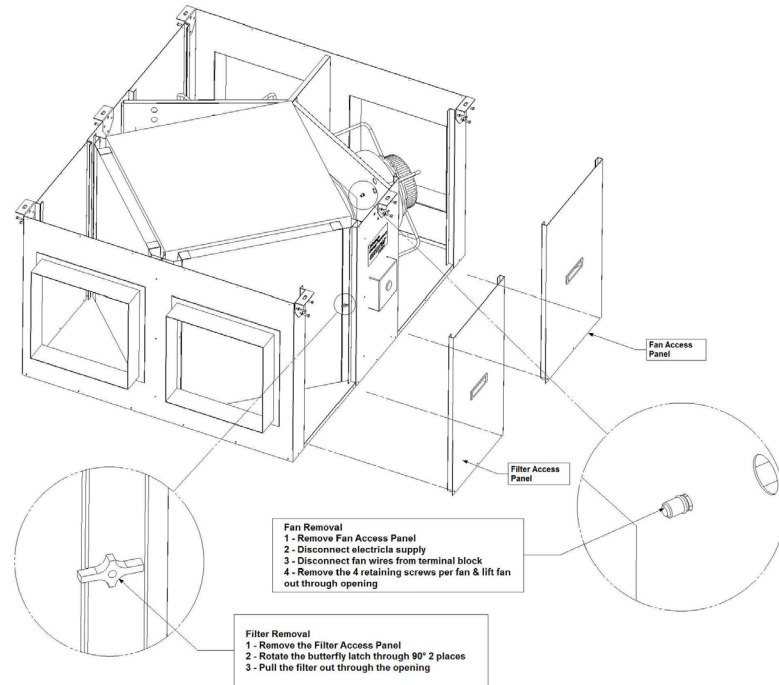
XCHANGE ERV CEILING MOUNT

HEAT RECOVERY

XCM1200P3 TECHNICAL DATA



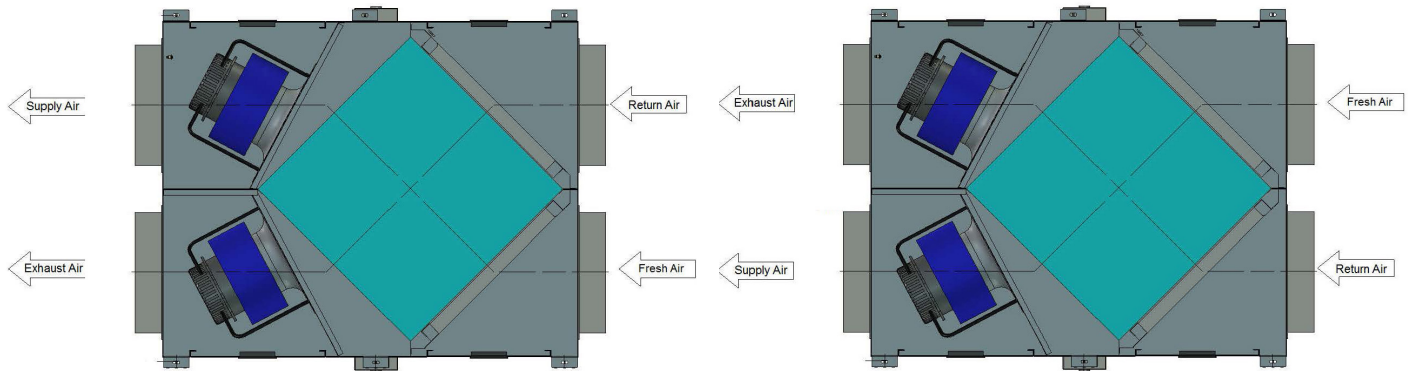
FILTER AND FAN ACCESS



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.



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

Armcor Air Solutions

109-111 Northcorp Blvd, Broadmeadows 3047

P 1800 244 556 E sales@armcor.com.au

www.armcor.com.au

armcor
air solutions