

ERV-ENERGY RECOVERY

XEM EXTERNAL MOUNT UNIT

XEM1600C1 TECHNICAL DATA



TECHNICAL SPECIFICATIONS

NOMINAL AIRFLOW

Supply Air (l/sec)	1300 - 1500
Exhaust Air (l/sec)	1300 - 1500
Return Air (l/sec)	1300 - 1500
Fresh Air (l/sec)	1300 - 1500

SUPPLY FAN

Fan Type	Forward Curve Centrifugal
Motor Power (Watts)	2 x 950
External Static (Pa)	150
Speeds	3
Max Fan Speed (rpm)	1440
Motor Protection	Thermal Overload

EXHAUST FAN

Fan Type	Forward Curve Centrifugal
Motor Power (Watts)	2 x 950
External Static (Pa)	150
Speeds	3
Max Fan Speed (rpm)	1440
Motor Protection	Thermal Overload

ELECTRICAL

Supply Fan FLA (A)	6.0 x 2
Exhaust Fan FLA (A)	6.0 x 2
Total Run Current (A)	24.0
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 EXCHANGER

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

Enthalphy Media	Standard
Sensible Media	Available
Module Size (mm)	600 x 600 x 400D
Number of Modules	4
Face Velocity (m/sec)	1.9
Pressure Drop (Pa)	130.3
Kw Recovered (Cooling)*	25.1
Kw Recovered (Heating)*	31.4

CABINET CONSTRUCTION

Casing	50mm Panel
Finish	Surf Mist Colourbond
Insulation Value	R2.0
Side Access Panels	Included

AIR FILTERS

Inbuilt Filters	500 x 400 x 8
-----------------	---------------

OPTIONS

Return Air Bypass	Available
Fresh/Exhaust Grilles	Available

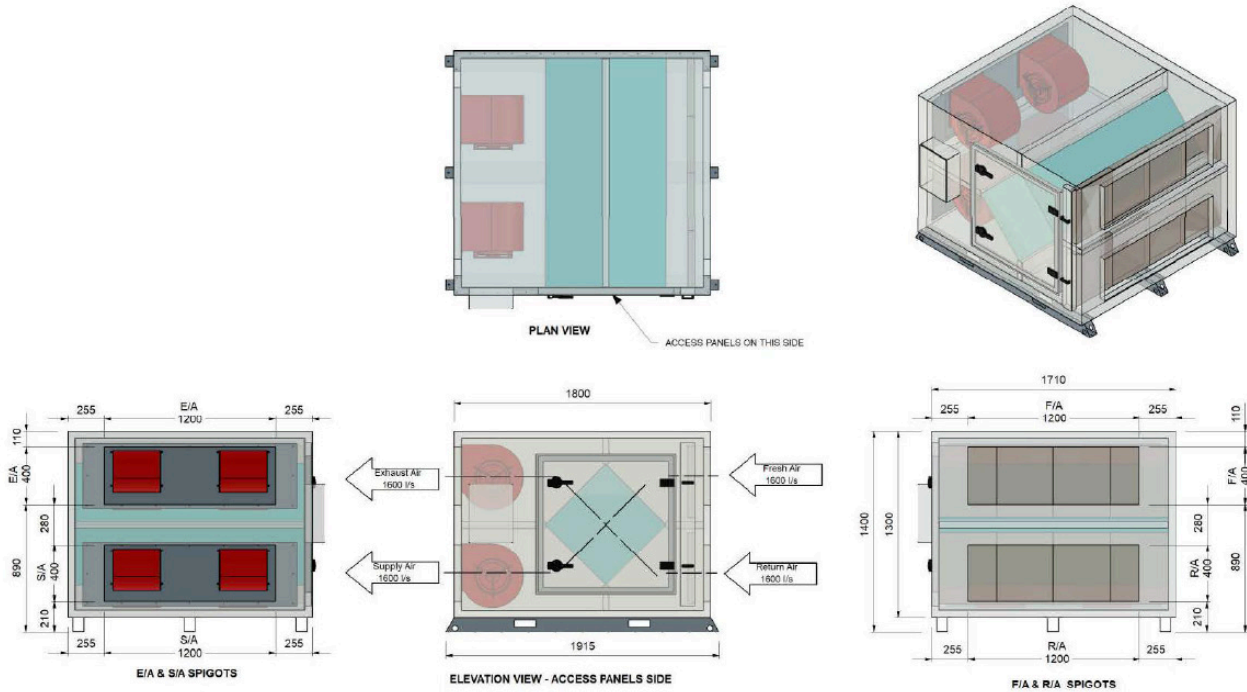
ERV-ENERGY RECOVERY

XEM EXTERNAL MOUNT UNIT

XEM1600C1 TECHNICAL DATA



TECHNICAL DRAWINGS - XEM 1600C1



DIMENSION		DUCT SIZES	
Height (mm)	1400	Exhaust Air (mm)	1200 x 400
Width (mm)	1710	Return Air (mm)	1200 x 400
Length (mm)	1800	Supply Air (mm)	1200 x 400
Weight (Kg)	595	Fresh Air (mm)	1200 x 400
Access Clearance (mm)	1200 (Fan & Media Access)		
Access Clearance (mm)	200		

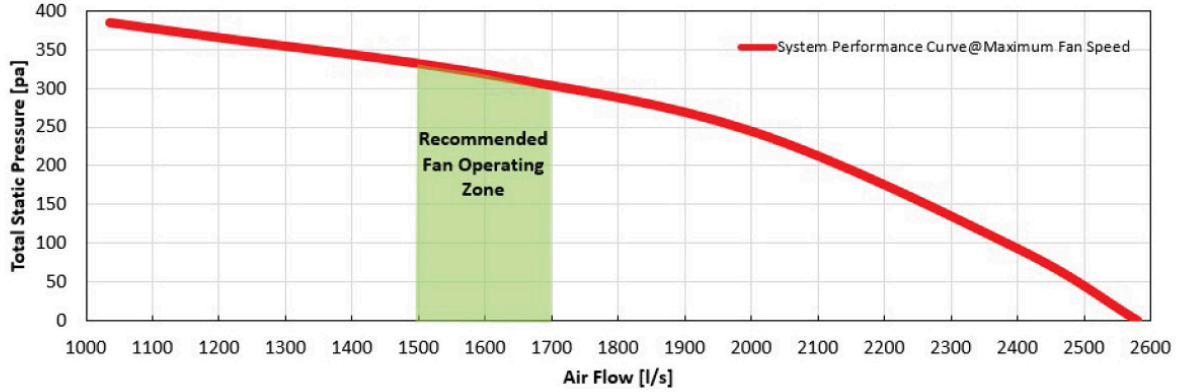
ERV-ENERGY RECOVERY

XEM EXTERNAL MOUNT UNIT

XEM1600C1 TECHNICAL DATA



FAN PERFORMANCE DATA

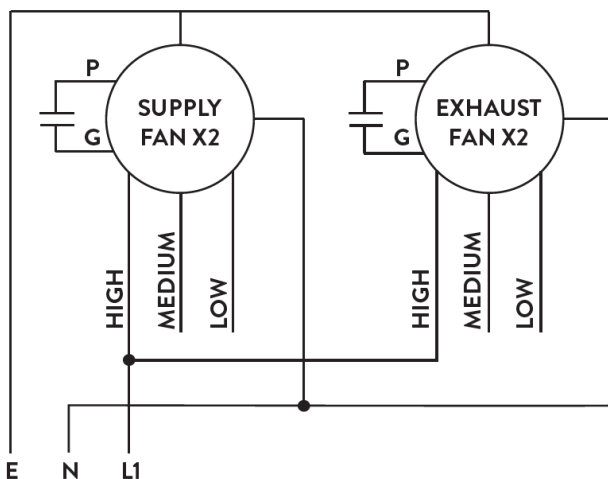


SOUND POWER LEVELS*

INLET RATING dB		OUTLET RATING dB	
63 Hz	74	1K Hz	72
125 Hz	74	2K Hz	70
250 Hz	73	4K Hz	69
500 Hz	72	8K Hz	68
LwA	77		

* Sound Power Levels @250 Pa Total Static Pressure and 1600 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

Designed and manufactured in Australia

A: 109-111 Northcorp Blvd
Broadmeadows VIC 3047
www.armcor.com.au

T: 03 8301 9200
E: sales@armcor.com.au