



## XEM500C1 TECHNICAL DATA

### TECHNICAL SPECIFICATIONS

#### NOMINAL AIRFLOW

Supply Air (l/sec)	300 - 500
Exhaust Air (l/sec)	300 - 500
Return Air (l/sec)	300 - 500
Fresh Air (l/sec)	300 - 500

#### 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 Centrifuga
Fan Motor	Direct Drive
Motor Power (Watts)	750
External Static (Pa)	150
Speeds	3
Max Fan Speed (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	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
Module Size (mm)	500 x 500 x 400D
Number of Modules	2
Face Velocity (m/sec)	1.43
Pressure Drop (Pa)	80.2
Kw Recovered (Cooling)*	8.1
Kw Recovered (Heating)*	10.2

#### CABINET CONSTRUCTION

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

#### OPTIONS

Return Air Bypass	Available
Air Filters	Available



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## TECHNICAL DRAWINGS - XEM500C1 STANDARD UNIT

### DIMENSIONS

Height (mm)	1200
Width (mm)	900
Length (mm)	1500
Weight (Kg)	270
Front Clearance (mm)	1200 (Fan & Media Access)
Rear Clearance (mm)	900 (Electrical Controls)

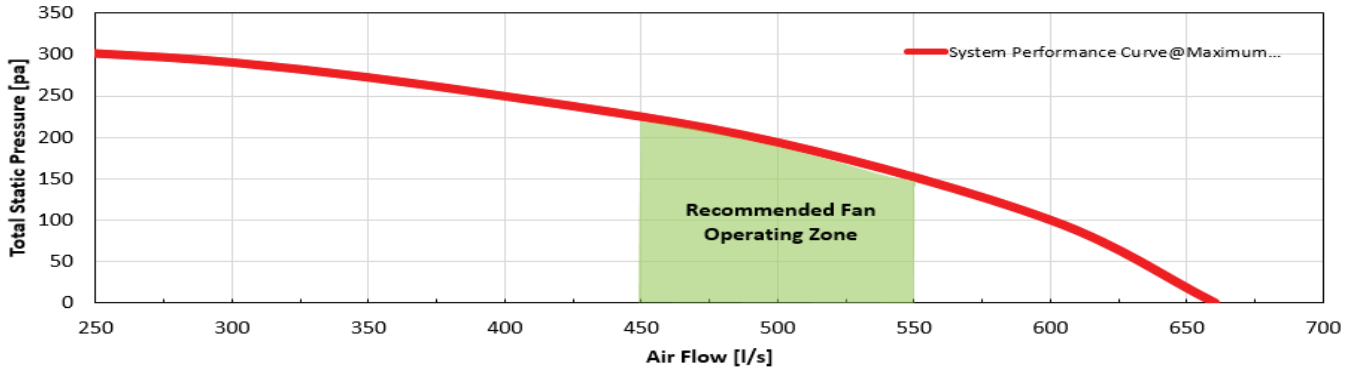
### DUCT SIZES

Exhaust Air (mm)	610 x 305
Return Air (mm)	610 x 305
Supply Air (mm)	610 x 305
Fresh Air (mm)	610 x 305



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### FAN PERFORMANCE DATA

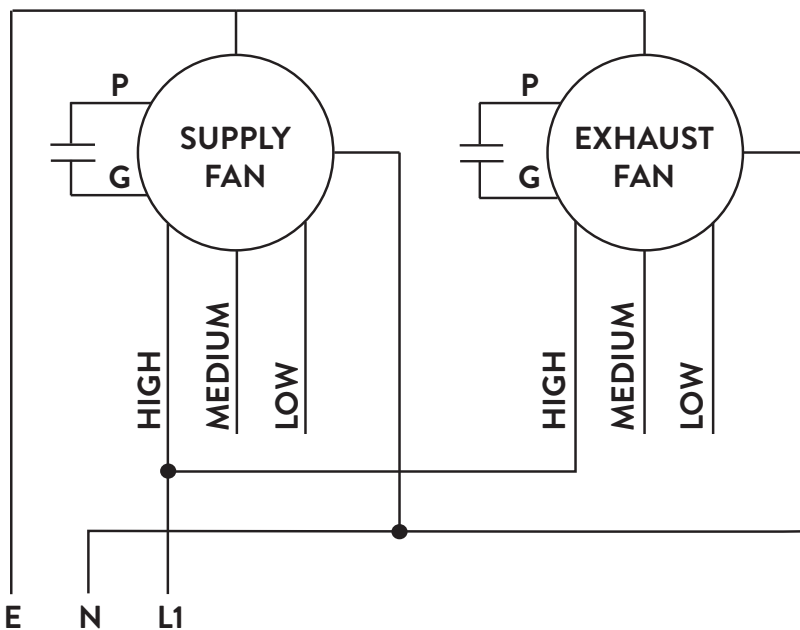


### SOUND POWER LEVELS\*

OUTLET RATING dB		OUTLET RATING dB	
63 Hz	70	1K Hz	70
125 Hz	73	2K Hz	67
250 Hz	71	4K Hz	66
500 Hz	69	8K Hz	65
LwA	75		

\* Sound Power Levels @ 250 Pa Total Static Pressure and 500 l/s Total Air Volume measured at 1.0m distance from Fan Axis.

### 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

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