



XEM900C1 TECHNICAL DATA

TECHNICAL SPECIFICATIONS

NOMINAL AIRFLOW

Supply Air (l/sec)	600 - 900
Exhaust Air (l/sec)	600 - 900
Return Air (l/sec)	600 - 900
Fresh Air (l/sec)	600 - 900

SUPPLY FAN

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

ELECTRICAL

Supply Fan FLA (A)	6.0
Exhaust Fan FLA (A)	6.0
Total Run Current (A)	12
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)	600 x 600 x 400D
Number of Modules	2
Face Velocity (m/sec)	2.1
Pressure Drop (Pa)	154.3
Kw Recovered (Cooling)*	13.9
Kw Recovered (Heating)*	17.4

CABINET CONSTRUCTION

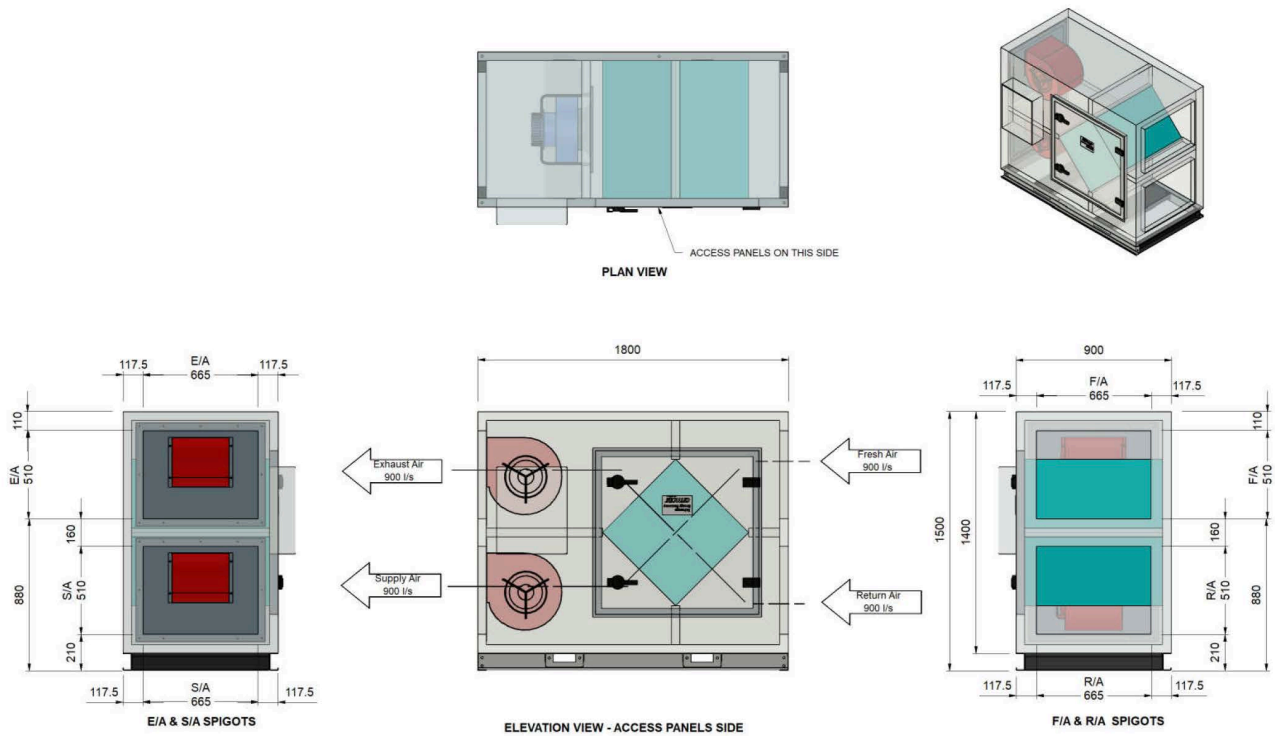
Casing	50mm Panel
Finish	Surfmist Colorbond
Insulation Value	R2.0
Side Access Panels	Included

OPTIONS

Return Air Bypass	Available
Air Filters	Available



TECHNICAL DRAWINGS - XEM900C1 STANDARD UNIT



DIMENSIONS

Height (mm)	1500
Width (mm)	900
Length (mm)	1800
Weight (Kg)	285
Front Clearance (mm)	1200 (Fan & Media Access)
Rear Clearance (mm)	300 (Rear)

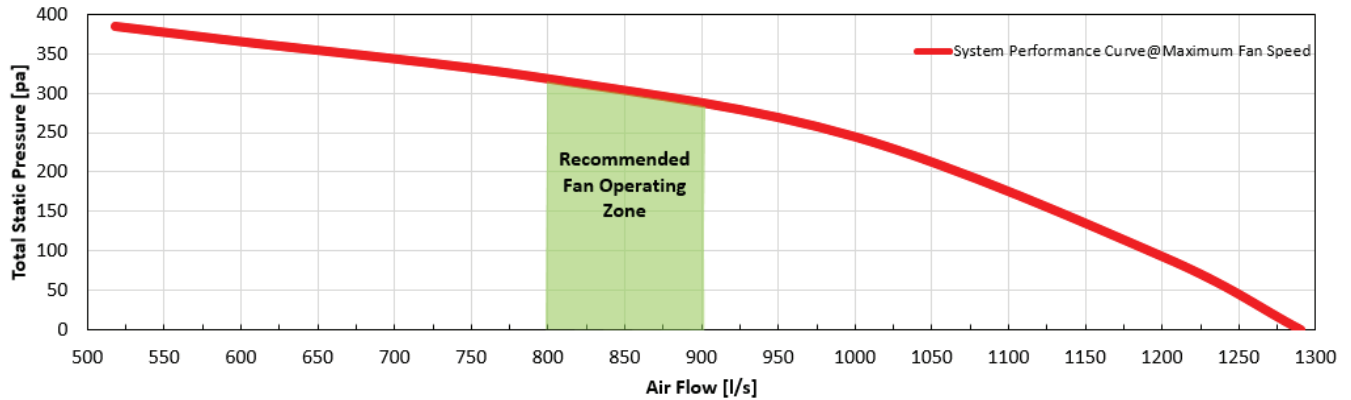
DUCT SIZES

Exhaust Air (mm)	665 x 510
Return Air (mm)	665 x 510
Supply Air (mm)	665 x 510
Fresh Air (mm)	665 x 510



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FAN PERFORMANCE DATA

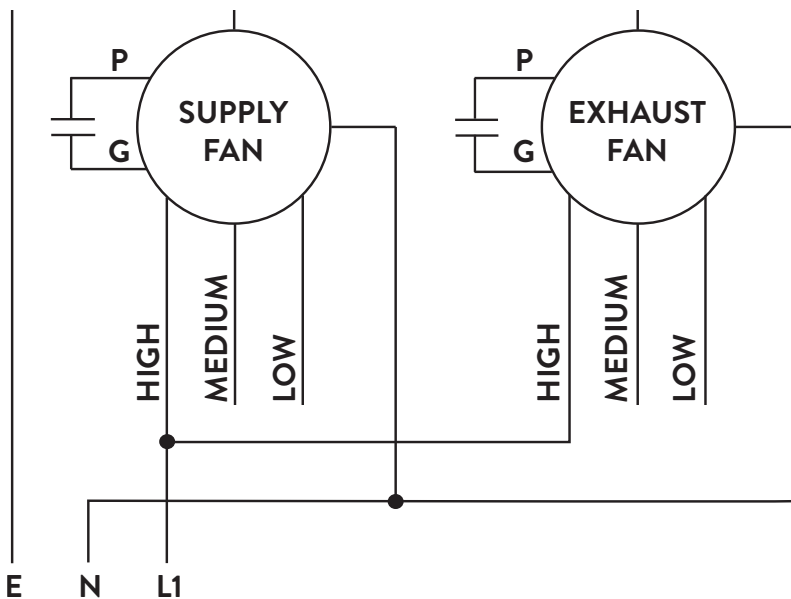


SOUND POWER LEVELS*

OUTLET RATING dB		OUTLET RATING dB	
63 Hz	71	1K Hz	67
125 Hz	72	2K Hz	67
250 Hz	75	4K Hz	65
500 Hz	69	8K Hz	64
LwA	72		

* Sound Power Levels @ 250 Pa Total Static Pressure and 900 l/s Total Air Vol

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

Armcor Air Solutions

109-111 Northcorp Blvd, Broadmeadows 3047

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

www.armcor.com.au

