

DATA SHEET

Model: **EG-ACL200-27GS-2xAM050/040KXMDEH**

Acoustic Louvre Enclosure

09 September 2022

CUSTOMER:	SITE / LOCATION / REFERENCE
Quinn Ross	27 Goodge Street

ORIGINAL EQUIPMENT MANUFACTURERS PUBLISHED DATA
MAKE, MODEL, DIMENSIONS, AIR FLOW & SOUND PRESSURE LEVEL @1.0M FREE FIELD

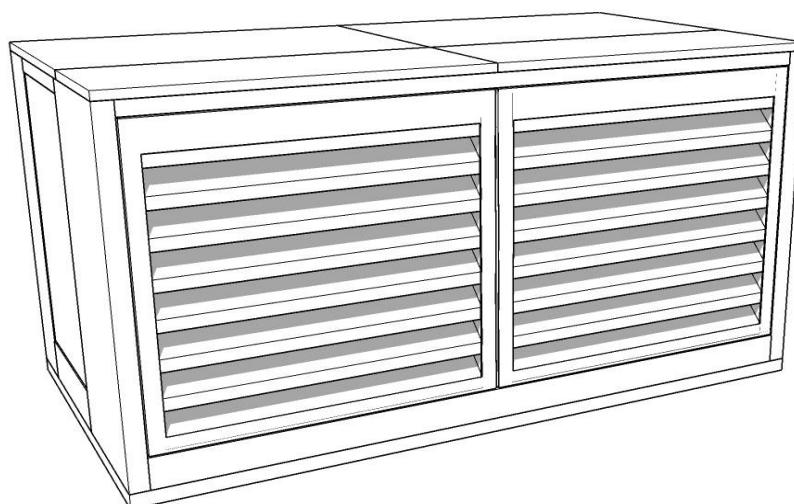
MAKE			MODEL		AIR IN		AIR OUT	
Samsung			1 x AM050KXMDEH + 1 x AM040KXMDEH		H - Rear + 1 Side		H - Front	
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	AIRFLOW (M³S⁻¹)		DISTANCE (M)		SPW dB(A)	
940	330	998	2.3		1		57	
INNER CUBE DIMENSION			ENCLOSURE DETAIL					
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	WIDTH (MM)		DEPTH (MM)		HEIGHT (MM)	
2230	1190	1220	2290		1250		1300	
AIRFLOW (M³S⁻¹)	DISTANCE (M)	SPL dB(A)	AIRFLOW (M³S⁻¹)		DISTANCE (M)		SPL dB(A)	
2.30	1.0	57	2.30		1.0		35	
INLET AIRWAYS			AIRFLOW INFORMATION					
WIDTH (MM)	HEIGHT (MM)	NO.	PD (NM²)		DESIGN CRITERIA		INLET (MS⁻¹)	
975	60	14	9		OK		2.8	
OUTLET AIRWAYS			AIRFLOW INFORMATION					
WIDTH (MM)	HEIGHT (MM)	NO.	PD (NM²)		DESIGN CRITERIA		INLET (MS⁻¹)	
975	60	14	9		OK		2.8	
ENCLOSURE INFORMATION INLET AIRWAY OUTLET AIRWAY EXTERNAL SIZE INDICATIVE NOISE LEVEL			WIDTH (MM)		DEPTH (MM)		HEIGHT (MM)	
			975		215		60	
			975		215		60	
			2290		1250		1300	
			35		**SPW dB(A) SOUND PRESSURE			

NOTES CONCERNING ENCLOSURE DESIGN

Combined Air Flow & Noise

UnityAccess Panels Lift Off or Hinged for Maintenance/Service

** Noise level above based on Free Field condition - actual noise levels will be dependant on site conditions

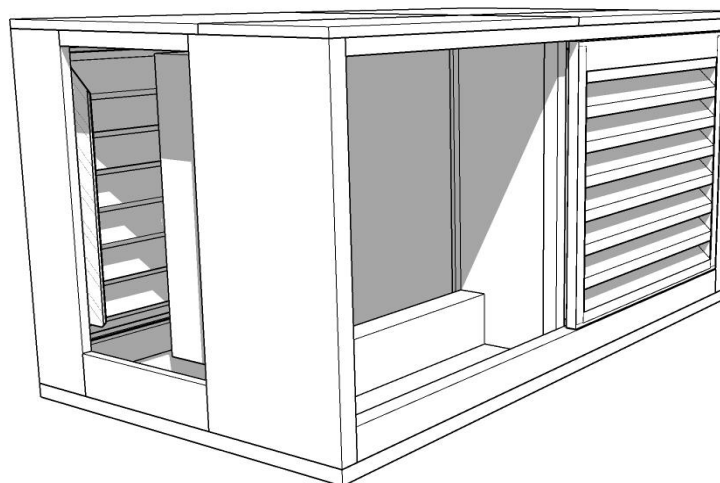


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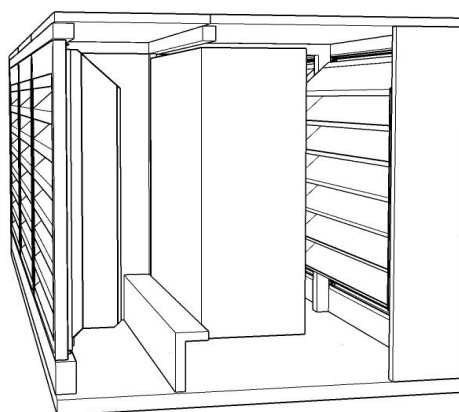
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Service/Maintenance Access via lift off panels



Ambient Air through 2 x EG-ACL200 Acoustic Louvre Panels
Individual Unit Discharge Air through EG-ACL200 Acoustic Louvre Panels
Internal Plenum/Septum Panels with integrated rubber edge seals ensure no air recirculation
Anti Vibration Mounts incorporated into enclosure design
inclusive of Condensate Drain Trays



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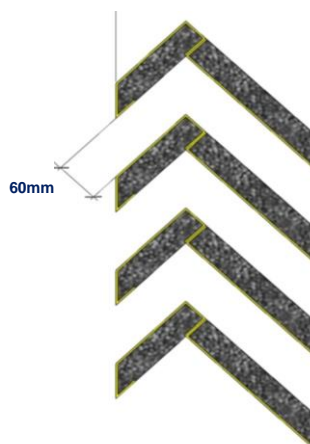
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EG-ACL200 - Dimension/Design Detail

Supplied in modular form for easy site assembly EG-ACL Acoustic Louvres are manufactured to the highest standards

Utilising innovative acoustical materials that are fibre free, humidity and moisture resistant, UV stable, strong and robust offering superior sound absorption in even the most challenging conditions



Stratocell® Whisper® is a closed cell polyethylene foam panel which uses a high-performance honeycomb like structure to absorb noise. The durable material remains acoustically 'soft' eliminating the problem of hard reflective surfaces that contribute to reverberation and echo.

Acoustic Performance Data

Environ Group Product Line	EG-ACL200+SP100							
Acoustic Measure	Octave Frequency in Hertz (db ref 2 x 10 ⁻⁵ Pascal's)							
	63	125	250	500	1k	2k	4k	8k
Sound Reduction Index	7	9	13	23	32	33	29	30
Weighted Sound Reduction Index (R _w)								
Static Insertion Loss								

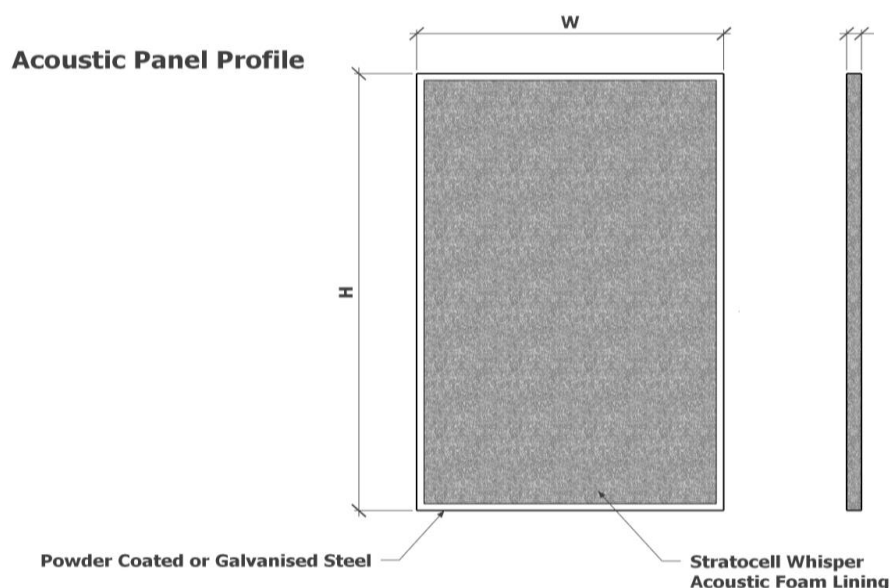


EG-AP30 Acoustic Panel - Dimension/Design Detail

Supplied in modular form for easy site assembly EG-ACL Acoustic Panels are manufactured to the highest standards

Utilising innovative acoustical materials that are fibre free, humidity and moisture resistant, UV stable, strong and robust offering superior sound absorption in even the most challenging conditions

The EG-AP30 Acoustic Panel system can be used as an external finish or as a liner to stop reverberant noise in internal plant rooms and chambers



Acoustic Performance Data

Environ Group Product Line		EG-AP30							
Acoustic Measure		Octave Frequency in Hertz (db ref 2 x 10 ⁻⁵ Pascal's)							
		63	125	250	500	1k	2k	4k	8k
Sound Reduction Index		15	18	24	31	34	38	38	40
Static Absorption		.1	.2	.55	.8	.95	.95	.9	.85

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