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DATA SHEET

Model:EG-HYS-Aldi-Didsbury Acoustic Housing

Acoustic Housing

18 February 2026

CUSTOMER:	SITE / LOCATION / REFERENCE
Wave Consulting	ALDI Didsbury

ORIGINAL EQUIPMENT MANUFACTURERS PUBLISHED DATA

MAKE, MODEL, DIMENSIONS, AIR FLOW & SOUND PRESSURE LEVEL @1.0M FREE FIELD

MAKE		MODEL		AIR IN	AIR OUT
Clade Refrig Pack & 3T Gas Cooler		Unknown		V - Underneath	V - Top
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	AIRFLOW (M^3S^{-1})	DISTANCE (M)	SPW dB(A)
3200 & 3750	2410 & 2410	2635 & 2310	8.3	1	83

INNER CUBE DIMENSION			ENCLOSURE DETAIL		
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
10260	3870	3200	10340	3950	3295
AIRFLOW (M^3S^{-1})	DISTANCE (M)	SPL dB(A)	AIRFLOW (M^3S^{-1})	DISTANCE (M)	SPL dB(A)
8.30	1.0	83	8.30	1.0	61

INLET AIRWAYS			AIRFLOW INFORMATION		
WIDTH (MM)	HEIGHT (MM)	NO.	PD (NM^{-2})	DESIGN CRITERIA	INLET (MS^{-1})
1146	60	60	5	OK	2.0

OUTLET AIRWAYS			AIRFLOW INFORMATION		
WIDTH (MM)	HEIGHT (MM)	NO.	PD (NM^{-2})	DESIGN CRITERIA	INLET (MS^{-1})
60	1200	60	4	OK	1.9

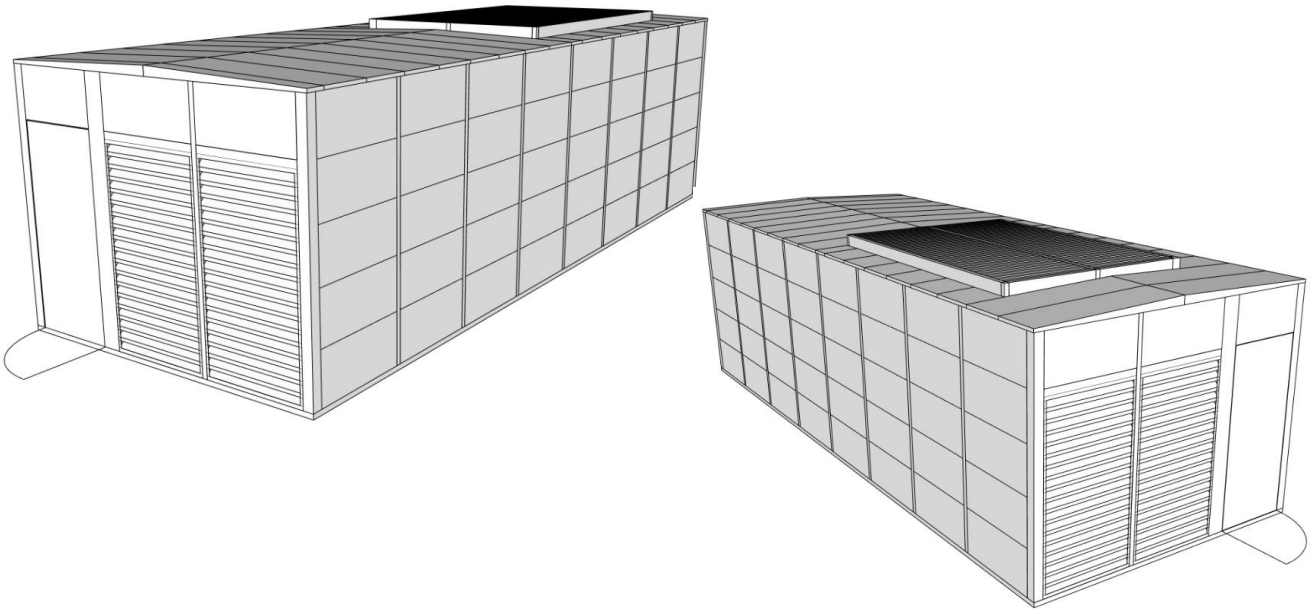
ENCLOSURE INFORMATION	WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
INLET AIRWAY	1146	230	60
OUTLET AIRWAY	60	1000	1200
EXTERNAL SIZE	10340	3950	3295
INDICATIVE NOISE LEVEL	61	**SPW dB(A) SOUND PRESSURE	

NOTES CONCERNING ENCLOSURE DESIGN

Estimated Air Flow through 3T Gas Cooler - detail inknown

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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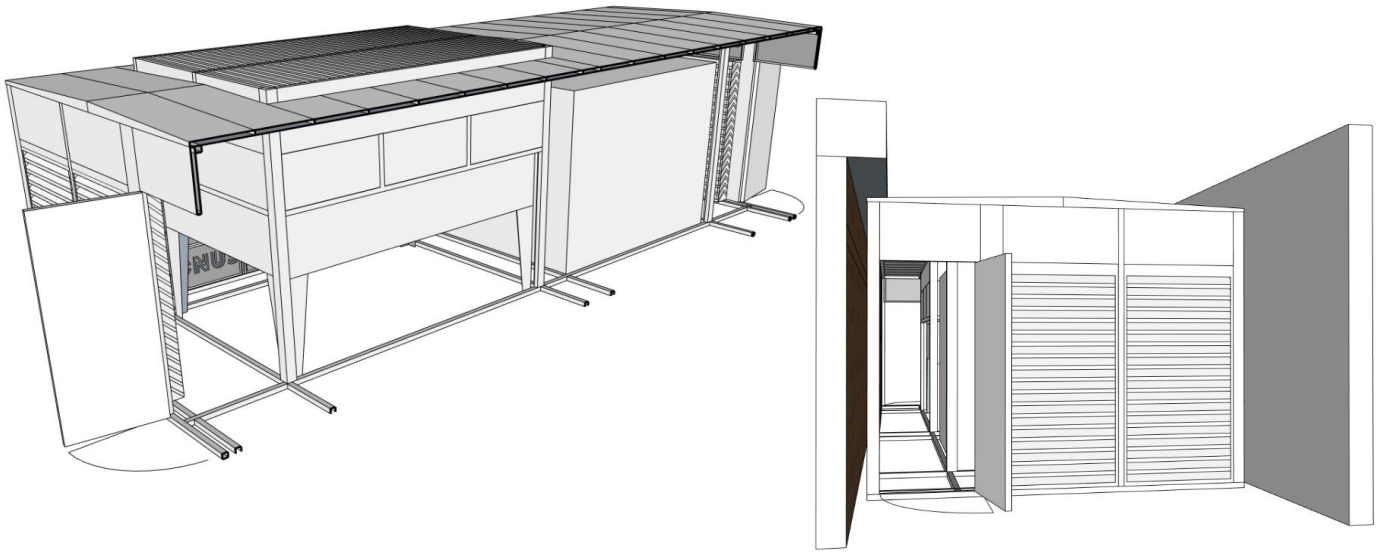
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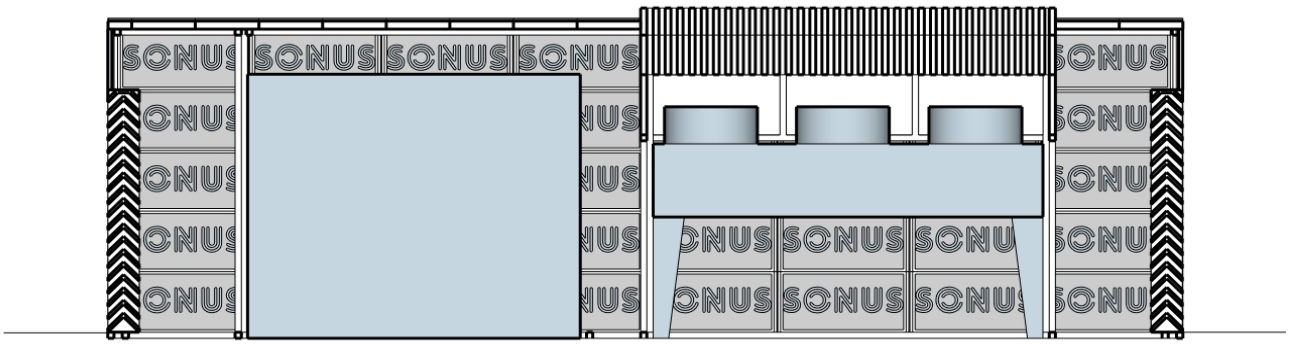
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Service/Maintenance Access via access walkway though the housing
Gas Cooler Fan Access via removable internal panels - Access to Refrigeration Pack (No Change)



Ambient Air through Acoustic Louvres to Gable Ends - Dischage Air through top splitter arrangement
Internal Plenum/Septum Panels with integrated rubber edge seals ensure no air recirculation

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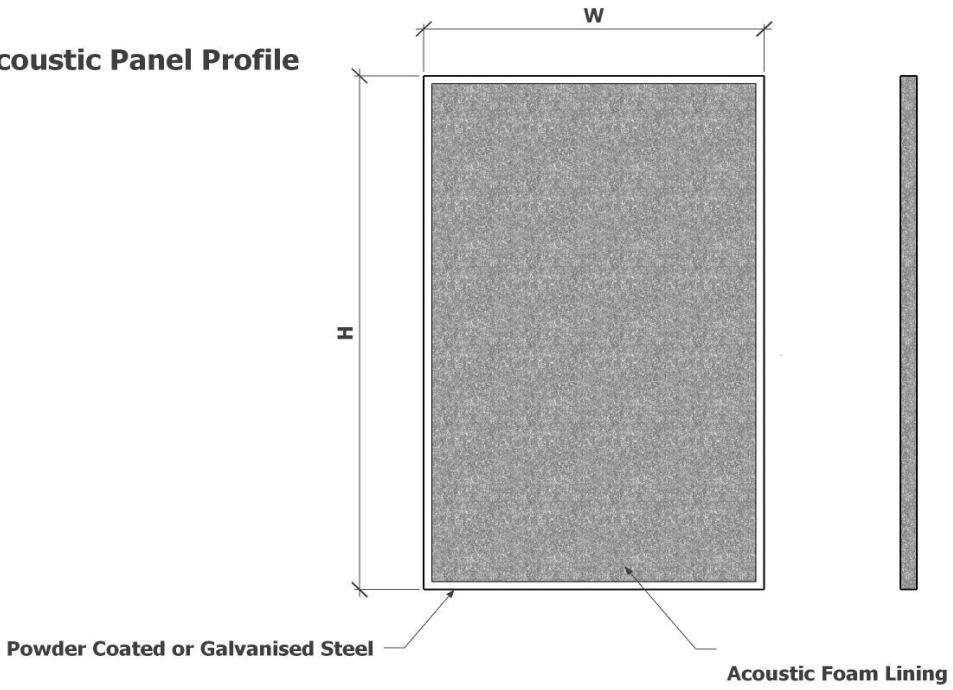
EG-APS40 Acoustic Panel - Dimension/Design Detail

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

Utilising innovative acoustical materials that are fibre free, A1 Fire rated, humidity and moisture resistant, UV stable, strong and robust offering superior sound absorption in even the most challenging conditions

The EG-APS40 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 Panel Profile



Acoustic Perfomance Data

Environ Group Product Line	EG-AP60							
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	**18**	**20**	**25**	**34**	**35**	**40**	**40**	**42**
Sound Absorption	**.15**	**.35**	**.75**	**.9**	**1.0**	**1.0**	**.95**	**.9**

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