

SELECTION MATRIX

environlite 1.1.25AC

16 February 2017

Acoustic enclosures for Split AC Unit Applications

CUSTOMER:	SITE / LOCATION / REFERENCE

ORIGINAL EQUIPMENT MANUFACTURERS PUBLISHED DATA					
MAKE, MODEL, DIMENSIONS, AIR FLOW & SOUND PRESSURE LEVEL @1.0M FREE FIELD					
MAKE:		MODEL:		AIR IN	AIR OUT
LG				Rear & 1 Side	Front
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	AIRFLOW (M ³ S ⁻¹)	Sound Power Lw dB(A)	DISTANCE (M)
870+80	320	655	0.65	57	1

INNER CUBE DIMENSIONS		
1050	400	935
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
0.65	1.0	57
AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)

ENCLOSURE DETAIL		
1650	950	1000
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
0.65	1.0	31
AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)

INLET AIRWAYS		
935	250	1
WIDTH (MM)	HEIGHT (MM)	NO.

DESIGN CRITERIA		
OK	OK	OK
UNIT SIZE	OUTLET	INLET

OUTLET AIRWAYS		
250	935	1
WIDTH (MM)	HEIGHT (MM)	NO.

AIRFLOW INFORMATION		
9	2.8	2.8
PD (NM ²)	OUTLET (MS ⁻¹)	INLET (MS ⁻¹)

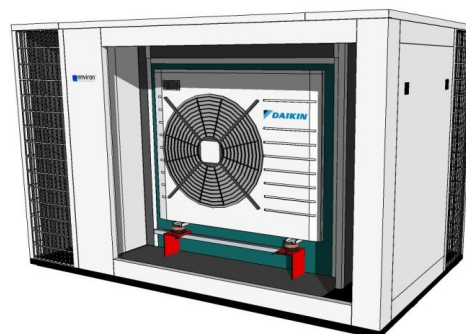
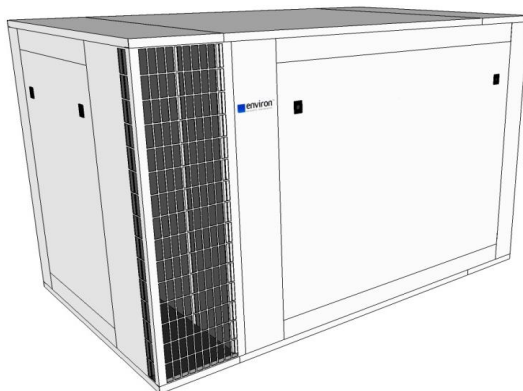
Select Inlet & Outlet Airway Sizes to Ensure Airflows are kept Below 6.0m/s

ENCLOSURE INFORMATION	
	INLET AIRWAY
	OUTLET AIRWAY
	EXTERNAL SIZE
	SOUND LEVEL RANGE @ 1.0m (FREE FIELD)

WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
250		935
250		935
1650	950	1000
31	SPL dB(A) SOUND PRESSURE	

NOTES CONCERNING ENCLOSURE DESIGN

Estimated Airflow
Enclosure weight 75kg



Environ acoustic designs are protected under patent

The information contained in this Selection Matrix is Confidential and shall not be disclosed or used for any unauthorised purposes