

SELECTION MATRIX

**environlite 1.1.25AC Series 2**

17 February 2014

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
Daikin		RXS25		Rear & 1 Side	Front
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	AIRFLOW (M <sup>2</sup> S <sup>-1</sup> )	SPL dB(A)	DISTANCE (M)
765+75	285	550	0.57	47	1

INNER CUBE DIMENSIONS		
950	400	685
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
0.57	1.0	47
AIRFLOW (M <sup>2</sup> S <sup>-1</sup> )	DISTANCE (M)	SPL dB(A)

ENCLOSURE DETAIL		
1500	900	750
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
0.57	1.0	23
AIRFLOW (M <sup>2</sup> S <sup>-1</sup> )	DISTANCE (M)	SPL dB(A) Range

INLET AIRWAYS		
685	225	1
WIDTH (MM)	HEIGHT (MM)	NO.

DESIGN CRITERIA		
OK	OK	OK
UNIT SIZE	OUTLET	INLET

OUTLET AIRWAYS		
225	685	1
WIDTH (MM)	HEIGHT (MM)	NO.

AIRFLOW INFORMATION		
16	3.7	3.7
PD (NM <sup>2</sup> )	OUTLET (MS <sup>-1</sup> )	INLET (MS <sup>-1</sup> )

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 M (Free Field)	

WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
225		685
225		685
1500	900	750
23	SPL dB(A) SOUND PRESSURE	

NOTES CONCERNING ENCLOSURE DESIGN

