

SELECTION MATRIX

environlite 1.1.25AC S4

Acoustic enclosures for Split AC/ASHP Unit Applications

20 June 2014

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
Mitsubishi Electric		PUHZ-ZRP60VHA		Rear & 1 Side	Front
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	AIRFLOW (M ³ S ⁻¹)	SPL dB(A)	DISTANCE (M)
950	330+30	943	0.92	48	1

INNER CUBE DIMENSIONS		
1050	450	1035
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
0.92	1.0	48
AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)

INLET AIRWAYS		
1035	250	1
WIDTH (MM)	HEIGHT (MM)	NO.

OUTLET AIRWAYS		
250	1035	1
WIDTH (MM)	HEIGHT (MM)	NO.

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)	

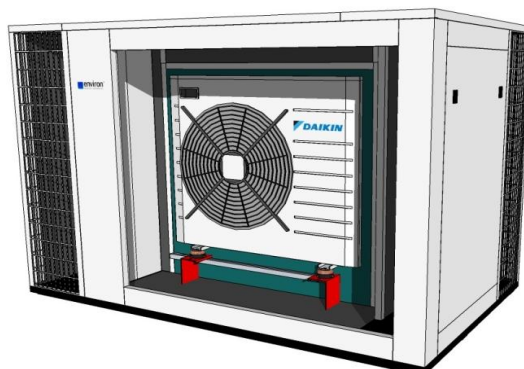
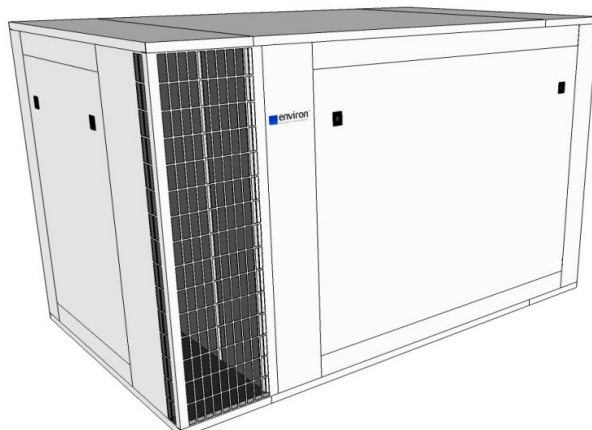
ENCLOSURE DETAIL		
1650	1000	1100
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
0.92	1.0	22-28
AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A) Range

DESIGN CRITERIA		
OK	OK	OK
UNIT SIZE	OUTLET	INLET

AIRFLOW INFORMATION		
15	3.6	3.6
PD (NM ⁻²)	OUTLET (MS ⁻¹)	INLET (MS ⁻¹)

WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
250		1035
250		1035
1650	1000	1100
22-28	SPL dB(A) Free Field	

NOTES CONCERNING ENCLOSURE DESIGN



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