

SELECTION MATRIX

environlouvermax150 TF4 SP1

12 October 2012

Acoustic enclosures for VRV/VRF/Chiller units with High Air Flow

CUSTOMER:			SITE / LOCATION / REFERENCE		
LX Engineering			Sainsbury Great Queen Street Project		
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		PUHY-P250YJM-A		H - 3 Sides	V - Top
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	AIRFLOW (M³S⁻¹)	DISTANCE (M)	SPL dB(A)
920	760	1710		3.08	1

INNER CUBE DIMENSION			ENCLOSURE DETAIL		
1450	1750	2725	1500	1800	2800
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
3.08	1.0	57	3.1	1.0	32
AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)	AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)
INLET AIRWAYS			DESIGN CRITERIA		
550	25	60	OK	OK	OK
WIDTH (MM)	HEIGHT (MM)	NO.	UNIT SIZE	OUTLET	INLET
OUTLET AIRWAYS			AIRFLOW INFORMATION		
550	25	60	17	3.7	3.7
WIDTH (MM)	HEIGHT (MM)	NO.	PD (NM ⁻²)	OUTLET (MS ⁻¹)	INLET (MS ⁻¹)

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

QUOTE INFORMATION			WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
INLET AIRWAY					
OUTLET AIRWAY					
EXTERNAL SIZE			1500	1800	2800
NOISE LEVEL @ 1 M			32	SPL dB(A) SOUND PRESSURE	

NOTES CONCERNING ENCLOSURE DESIGN

