

DATA SHEET

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**EG-U102-ME30**

Acoustic enclosure for AC Split Systems

**06 October 2023**

CUSTOMER: <b>CARTER SYNERGY</b>	SITE / LOCATION / REFERENCE
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**ORIGINAL EQUIPMENT MANUFACTURERS PUBLISHED DATA**  
MAKE, MODEL, DIMENSIONS, AIR FLOW & SOUND PRESSURE LEVEL @1.0M FREE FIELD

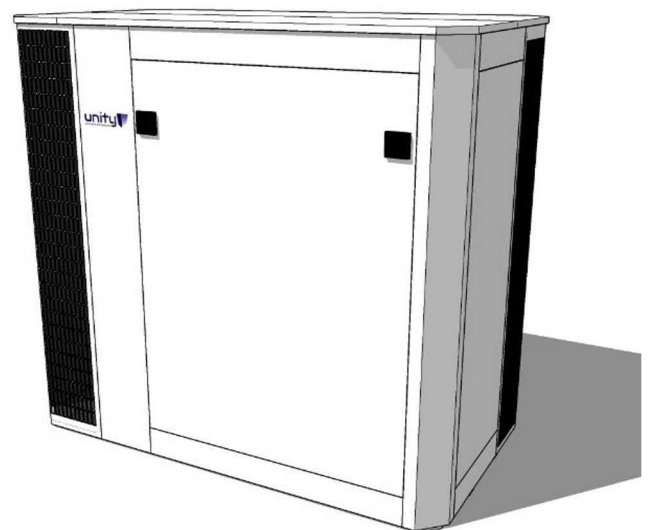
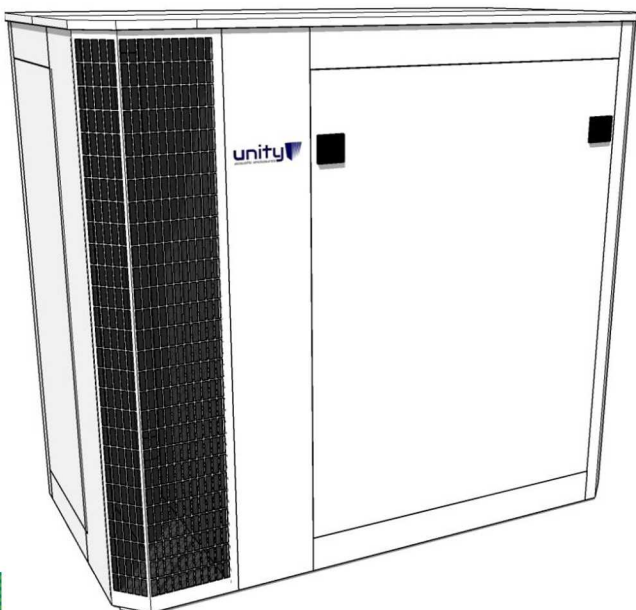
MAKE			MODEL			AIR IN		AIR OUT	
<b>Mitsubishi Electric</b>			<b>PUZ-ZM100VKA</b>			<b>H - 2 Side</b>		<b>H - Front</b>	
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	AIRFLOW (M <sup>2</sup> S <sup>-1</sup> )			DISTANCE (M)		SPW dB(A)	
<b>1050</b>	<b>330 + 40</b>	<b>1338</b>	<b>1.84</b>			<b>1</b>		<b>51</b>	
INNER CUBE DIMENSION			ENCLOSURE DETAIL						
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)				
<b>1150</b>	<b>500</b>	<b>1720</b>	<b>1850</b>	<b>1100</b>	<b>1785</b>				
AIRFLOW (M <sup>2</sup> S <sup>-1</sup> )	DISTANCE (M)	SPL dB(A)	AIRFLOW (M <sup>2</sup> S <sup>-1</sup> )	DISTANCE (M)	SPL dB(A)				
<b>1.84</b>	<b>1.0</b>	<b>51</b>	<b>1.84</b>	<b>1.0</b>	<b>25</b>				
INLET AIRWAYS			DESIGN CRITERIA						
WIDTH (MM)	HEIGHT (MM)	NO.	UNIT SIZE	INTLET	OUTLET				
<b>275</b>	<b>1720</b>	<b>1</b>	<b>OK</b>	<b>OK</b>	<b>OK</b>				
OUTLET AIRWAYS			AIRFLOW INFORMATION						
WIDTH (MM)	HEIGHT (MM)	NO.	PD (NM <sup>2</sup> )	INLET (MS <sup>-1</sup> )	OUTLET (MS <sup>-1</sup> )				
<b>275</b>	<b>1720</b>	<b>1</b>	<b>18</b>	<b>3.9</b>	<b>3.9</b>				
ENCLOSURE INFORMATION			WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)				
INLET AIRWAY			<b>275</b>		<b>1720</b>				
OUTLET AIRWAY			<b>275</b>		<b>1720</b>				
EXTERNAL SIZE			<b>1850</b>	<b>1100</b>	<b>1785</b>				
INDICATIVE NOISE LEVEL			<b>25</b>	<b>**SPW dB(A) SOUND PRESSURE</b>					

NOTES CONCERNING ENCLOSURE DESIGN

**\*\*Minimum Space Required in front of airways - 300mm\*\***

Unity Access 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

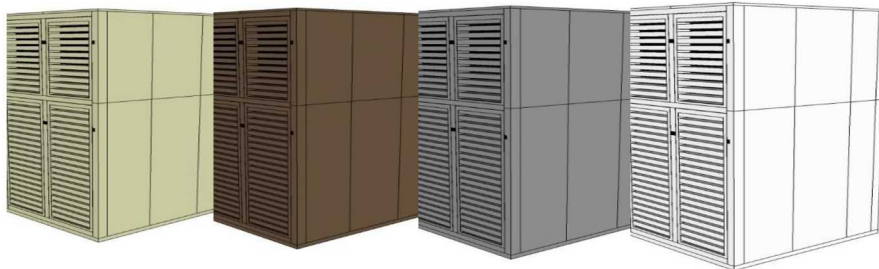


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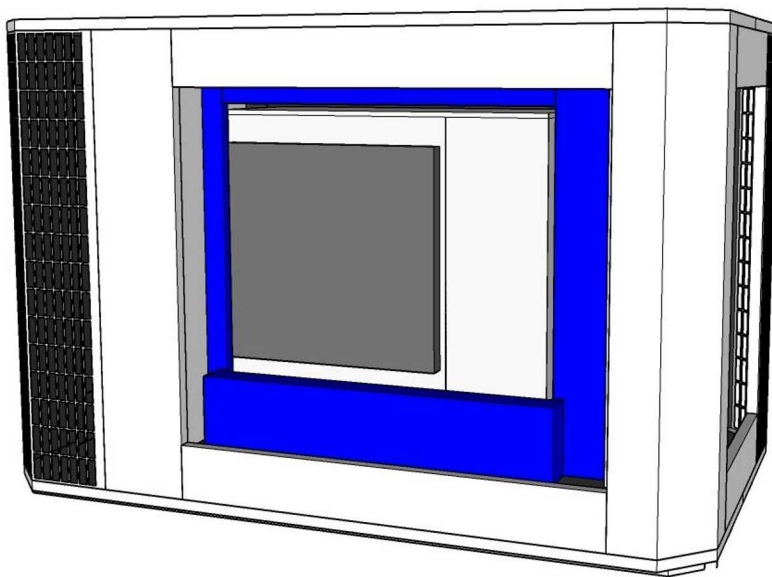
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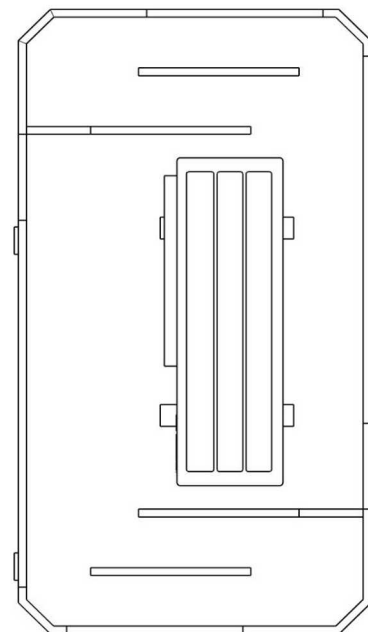
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**Exterior Colour**  
Any RAL/BS Colour  
Special Finishes Available



Service/Maintenance Access



Balanced Air Flow  
Internal Plenum Seals stop  
Air Recirculation

OPTIONAL EXTRAS

- Anti Vibration Mounts
- Condensate Drain Pan
- Drain Pan Heater Tape
- Invisible' Wall Mounting Frame

