



Submittal Data Sheet: VRUI-24UC-M2B(54)

INDOOR UNIT



VRUI-24UC-M2B(54)

IDU Works with all Major Brand Heat Pumps

Works with Any Thermostat



YMGI



Honeywell
and more!



Nest

ACCESSORIES

☐ COPPER/WIRE/ACC.SET

Model		VRUI-24UC-M2B(54)	
Dimensions			
Outline dimension (WxDxH)	in.	21 1/4" x 21 1/4" x 48 3/16"	
Package dimension (LxWxH)	in.	26" x 23 3/4" x 50 3/8"	
Outer Diameter	Liquid Pipe	in.	3/8"
	Gas Pipe	in.	3/4"
Weight			
Net Weight	lbs.	156.53	
Gross Weight	lbs.	169.76	

Job Name:		Tag #:	
Location		Date:	
General Contractor:		Mechanical Contractor:	
Sales Representative:		Sales Engineer:	
Submitted by:		Drawing #:	
Reference		PO #:	

Perfect for New Construction and Retrofits

Designed to replace existing air handlers. Easily adapts to your existing duct work. Great for new installations where ductwork is preferred. All electric heat pump replaces gas furnaces and AC coils to save energy and lower operation costs.

Install Horizontally or Vertically

UC Unit can be installed in a vertically or horizontally, giving you the flexibility to install according to your desire or need. Horizontal mounting is a great solution for installations with minimum space, like attics or crawlspaces.

Multiple Protections

Anti-freezing, temperature sensor malfunction, and fan motor overload protection.

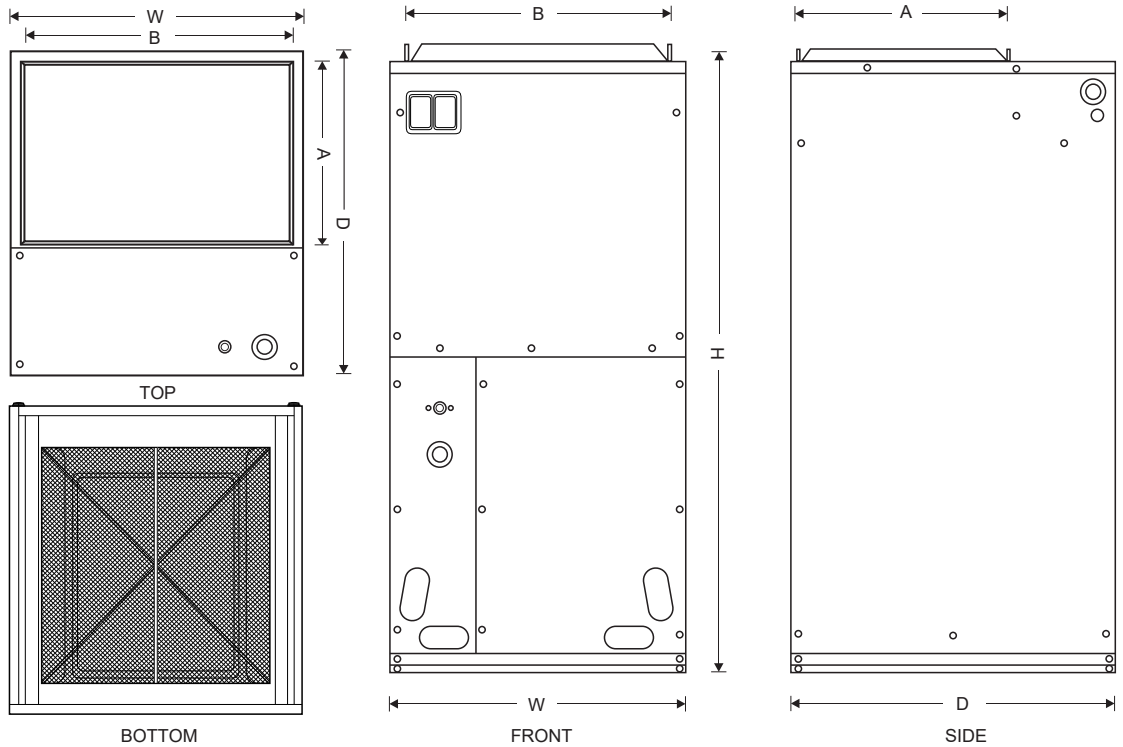
Parameter(Unit)			VRUI-24UC-M2B(54)		
Type			Airhandler		
Electrical Data	Power supply	V-Hz-Ph	208/230-60-1		
	Power input ¹	Cooling	kW	0.14	
		Heating	kW	0.14	
	Input current ¹	Cooling	A	1.00	
		Heating	A	1.00	
	Max. Overcurrent Protection	A	15		
	Min/Max Voltage	Min/Max Voltage (V)	V	187/253	
	Power cord spec	Electrical Conduit Size (Inch)	mm ² xpcs	/	
Fuse (A)			A	/	
Sound Pressure Level (SS/H/M/L)*			dB (A)	45	
Sound Power Level (SS/H/M/L)*			dB (A)	55	
Refrigerant	Type			-	R410A
	Control			-	Thermal expansion valve
Air Flow Volume(rated EXP)			CFM	940	
External Static Pressure	Rated	Pa	25		
		InWg	0.1		
	Range	Pa	0~100		
		InWg	0~0.4		
Fan Motor	Model			-	FGZ370B
	Drive Type			-	Direct drive
	Speed			rpm	750
	Power Output			W	1/2
	Full Load Amp(FLA)			A	2.10
	Capacitor			uF	/
Fan	Quantity / Type				1 / Centrifugal
	Diameter-Height			in.	Ø10.24-9.69
Evaporator	Material			-	Inner groove copper tube- Aluminum fin
	Face Area			sq.ft	4.09
				m ²	0.38
	Pipe Diameter			in.	Ø9/32
	Number of rows				4
	Tube pitch(a)x row pitch(b)			in.	3/4" x 1/2"
	Fins per Inch(FPI) / Fin type				16 / Hydrophilic-window
Number of circuits				12	
Length(L) x Height(H) x Width(W)			in.	16 11/32" x 2" x 18"	
Operation temp	Cooling			°F	64.4°F ~80.6°F
	Heating			°F	68°F ~80.6°F
Drainage Connection Size (Outer DiameterxWall Thickness)			in.	Ø1" x 1/16"	
System Operation Control					Wired controller



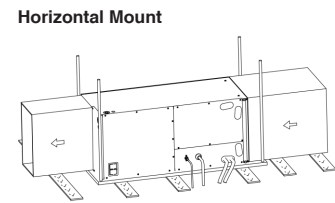
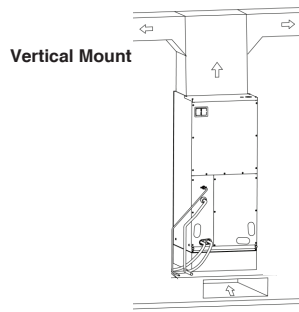
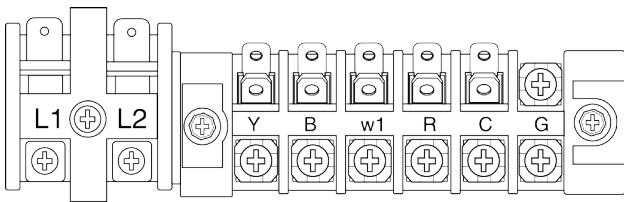
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Dimensions (inches)	
W	21 1/4"
H	48 3/16"
D	21 1/4"
A	11 5/8"
B	20"



WIRING



FEATURES

- 208-230/1/60 power input
- Quiet and efficient heating & cooling.
- Durable powder coated cabinet
- Standard braze connections
- Knock-outs for refrigerant pipes and wires
- Built to ETL/UL/CSA/AHRI standards
- Easy installation and maintenance

- 4 Operating modes: Cooling, Heating, Fan and Auto
- DC Inverter technology saves energy
- Memory stores set temperature and operating modes
- Can run at medium and low static pressure
- Optional ambient temperature sensor
- Built-in electronic expansion valve
- 5 Year Warranty on parts

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