



Submittal Data Sheet: VRUI-36UC-M2B(54)

INDOOR UNIT



VRUI-36UC-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-36UC-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 | kg | 156.53 | |
| Gross Weight | kg | 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.

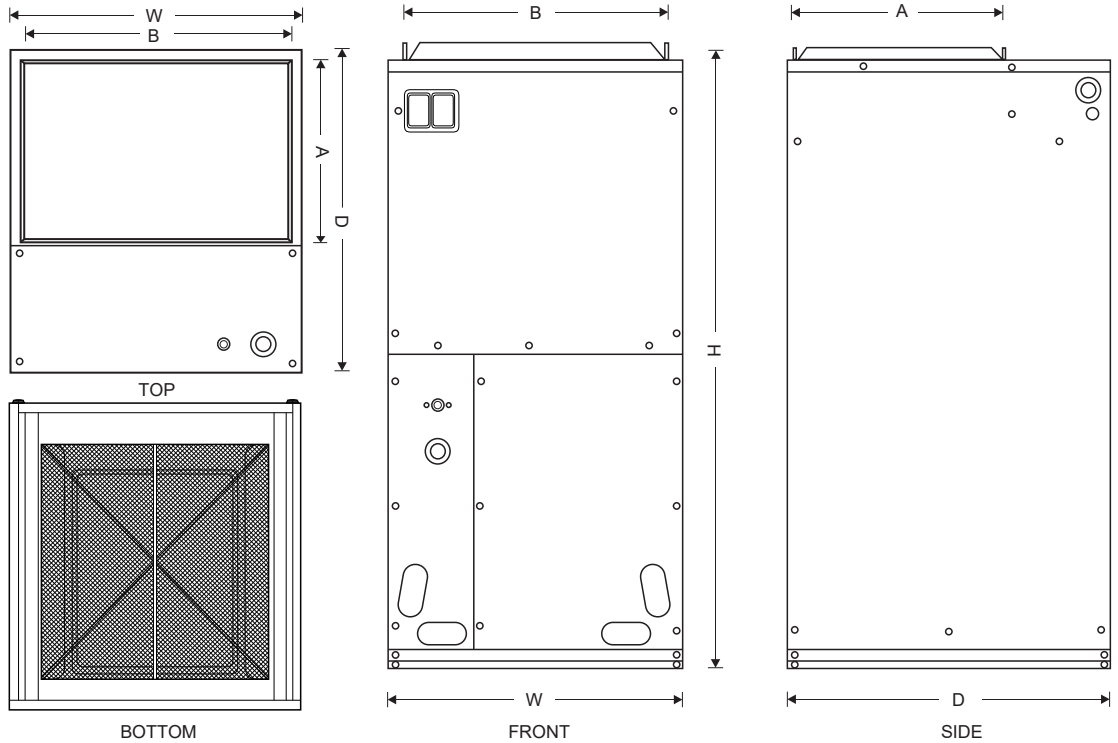
| Parameter(Unit) | | | VRUI-36UC-M2B(54) | | |
|--|-------------------------------|--------------------------------|----------------------|----------------------|---|
| Type | | | Airhandler | | |
| Electrical Data | Power supply | V-Hz-Ph | 208/230-60-1 | | |
| | Power input ¹ | Cooling | kW | 0.18 | |
| | | Heating | kW | 0.18 | |
| | Input current ¹ | Cooling | A | 1.36 | |
| | | Heating | A | 1.36 | |
| | 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) | 47 | |
| Sound Power Level (SS/H/M/L)* | | | dB (A) | 57 | |
| Refrigerant | Type | | | - | R410A |
| | Control | | | - | Thermal expansion valve |
| Air Flow Volume(rated EXP) | | | CFM | 1000.45 | |
| External Static Pressure | Rated | Pa | | | 37 |
| | | InWg | | | 0.148 |
| | Range | Pa | | | 0~100 |
| | | InWg | | | 0~0.4 |
| Fan Motor | Model | | | - | FGZ370B |
| | Drive Type | | | - | Direct drive |
| | Speed | | | rpm | 820 |
| | 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 |



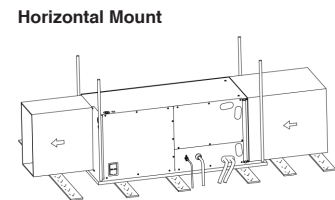
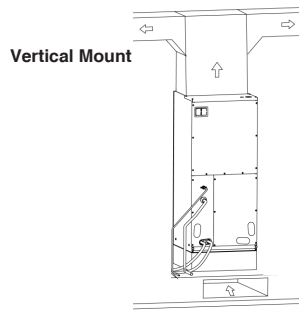
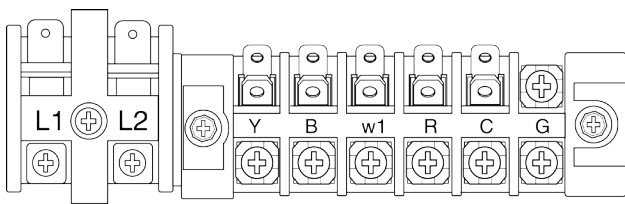
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| Dimensions (inches) | |
|---------------------|----------|
| W | 21 1/4" |
| H | 48 3/16" |
| D | 21 1/4" |
| A | 11 5/8" |
| B | 20" |



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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