



## Submittal Data Sheet: VRUO-2436HP-U2B(54)

### OUTDOOR UNIT

**Efficient Heating Down to -22 °F**  
Replaces Gas Furnace and  
A-coil systems



**VRUO-2436HP-U2B(54)**

**IDU Works with all Major Brand  
Air Handlers**

### ACCESSORIES

- MOUNTING BRACKETS
- FOOT RISERS
- COPPER/WIRE/ACC.SET
- LINESET COVERS
- WINTER WIND BAFFLE

Model		VRUO-2436HP-U2B(54)	
Dimensions			
Outline dimensions (WxDxH)	in.	37" x 18.11" x 32.28"	
Package dimensions (WxDxH)	in.	42.64" x 22.56" x 38.31"	
Weight			
Net Weight	lbs.	217.16	
Gross Weight	lbs.	240.30	
Connection Pipe			
Valve Connection Type	-	Screw Connection or Solder Connection	
Length	ft.	25	
Gas additional charge	g/m	0.3225	
Outer Diameter	Liquid Pipe	in.	3/8"
	Gas Pipe	in.	3/4"
Max Distance	Height	ft.	50'
	Length	ft.	100'

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

The (54)1 Series outdoor condensing unit can heat down to -22 °F at 80% efficiency, and has a 20 SEER rating with a 24k/36k Btu/h capacity that works with any major brand air handler central air system. Output is set using dip switches. The (54)1 requires 208-230v, 1 phase, 60Hz power supply. Its compact design allows for installation on the ground, on a wall, or under a deck or a balcony.

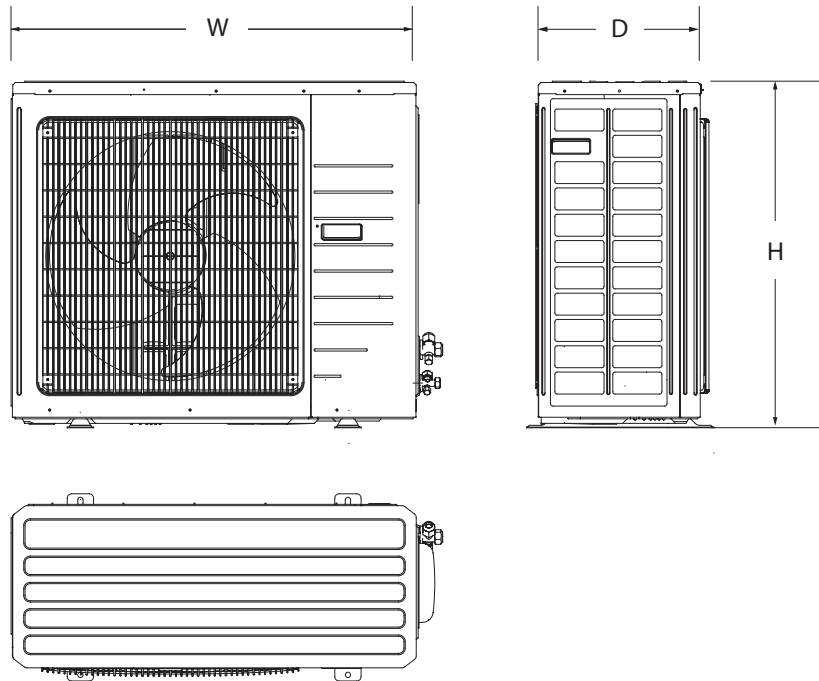
Model		VRUO-2436HP-U2B(54)		
Indoor Unit	Type	Airhandler		
Total Capacity	Cooling	Btu/h	24000 / 36000 (output set by dipswitches)	
	Heating	Btu/h	24000 / 36000 (output set by dipswitches)	
EER / C.O.P		Btu/h.W	12.50/14.33	
SEER / HSPF		Btu/h.W	20.00/10.50	
Energy Class			- / -	
Electrical Data	Power supply	V-Hz-Ph	208/230-60-1	
	Power input1	Cooling	kW	1.92
		Heating	kW	1.67
	Rated Power input2	Cooling	kW	3.20
		Heating	kW	4.20
	Input current 1	Cooling	A	7
		Heating	A	7
	Rated current2	Cooling	A	13
		Heating	A	17
	Max. Overcurrent Protection		A	35
Min/Max Voltage		v	187/253	
Sound Pressure Level (H/M/L)*		dB (A)	55	
Sound Power Level (H/M/L)*		dB (A)	65	
Refrigerant	R410A Charge	oz	148.15	
	Throttling Method		Electronic Expansion Valve	
Compressor	Manufacturer		Gree	
	Model	-	QXFT-F310zN450	
	Type	-	Inverter Rotary	
	Quantity	-	1	
	Capacity	W	10600	
	Power Input	W	3680	
	Run Capacitor	µF(MFD)	/	
	Rated Load Amp (RLA)	A	7	
	Locked rotor Amp (L.R.A)	A	/	
	Thermal protector	-	Internal	
	Crankcase	W	40	
	Refrigerant oil	Type	-	FW68DA or equivalent
		Charge Volume	L	1.12
Air Flow Volume		CFM	3000	
Fan Motor	Model	-	B-SWZ150A	
	Drive Type	-	Direct Drive	
	Speed (H/M/L)*	rpm	700	
	Power Output	HP	0.2	
	Full Load Amp(FLA)	A	/	
	Insulation class	-	B	
	Safe class	-	IP44	
Fan	Capacitor	µF	/	
	Quantity / Type	-	1 / Axial-flow	
Condenser	Diameter   Height	inch	Ø21.65   7	
	Material	-	Inner Groove Copper Tube-Aluminum Fin	
	Face Area	sq.ft	1.7	
	Pipe Diameter	in.	Ø5/16"	
	Number of rows	-	2	
	Tube pitch(a) x row pitch(b)	mm	22x19.05	
	Fins per Inch(FPI) / Fin type	-	18 / Ripple	
	Number of circuits	-	5	
	Length(L) x Height(H) x Width(W)	in	45.43" x 31.18" x 1.5"	
	Permissible Excessive Operating Pressure for the Discharge Side		PSIG	550
Permissible Excessive Operating Pressure for the Suction Side		PSIG	250	
Operation temp	Cooling	°F	5 °F ~ 129.2 °F	
	Heating	°F	-22 °F ~ 75.2 °F	
Defrosting Method		-	Automatic Defrosting	
Isolation		-	I	
Moisture Protection		-	IPX4	
Overload Protector		-	/	



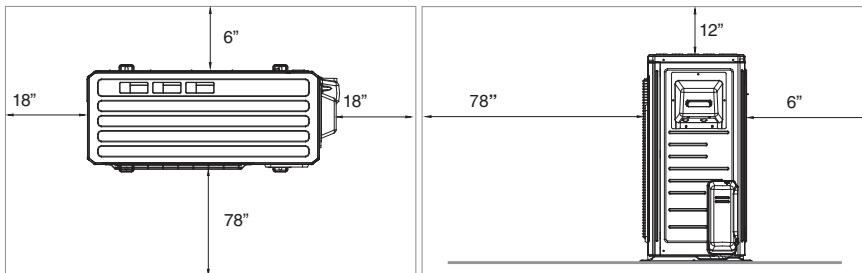
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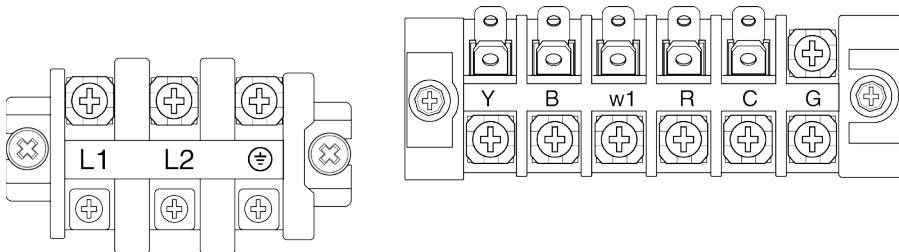
Dimensions (inches)	
W	37"
H	32.28
D	18.11"



## CLEARANCES



## TERMINAL BLOCK



## FEATURES

- Heats down to -31 °F
- 208-230/1/60 power input
- Can be used with any major brand air handler
- DC Inverter technology
- Wide working ambient temperature ranges
- Compact outdoor unit with side discharge
- Quiet and efficient heating & cooling.
- 10 Year Warranty on Compressor
- 5 Year Warranty on parts
- Outdoor unit ships pre-charged.
- High quality compressors
- Durable powder coated cabinet
- Standard flare brass connection valves
- Built to ETL/UL/CSA/AHRI standards
- Easy installation and maintenance

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