



Submittal Data Sheet: VRFO-48HP-U2B(55)5

OUTDOOR UNIT

Ultra Heating Series



VRFO-48HP-U2B(55)5

ACCESSORIES

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

Connection Pipes		
Outer Diameter Liquid Pipe	inches	3/8
	mm	9.52
Outer Diameter Gas Pipe	inches	5/8
	mm	15.88
Max. Equivalent Connection Pipe Length	ft.	393.7
Max. Height ODU at upper side	ft.	164
Max. Height ODU at lower side	ft.	131

Dimensions & Weight Outdoor Unit		
Dimensions of Unit (W x H x D)	inches	35 3/8 x 53 x 13 3/8
Net Weight	lbs	296.4

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

A VRF SYSTEM THAT STANDS ALONE

YMGI's UltraHeating VRF systems are designed to deliver comfort year round. Effective in a wide range of outdoor ambient temperatures (as low as -22° F), the YMGI UltraHeating VRF systems can meet all your heating and cooling needs, with no need for a supplemental heating system. A YMGI VRF system can replace traditionally designed gas furnace and AC/HP coil & outdoor unit systems. YMGI UltraHeating VRF systems save money on installation and operation.

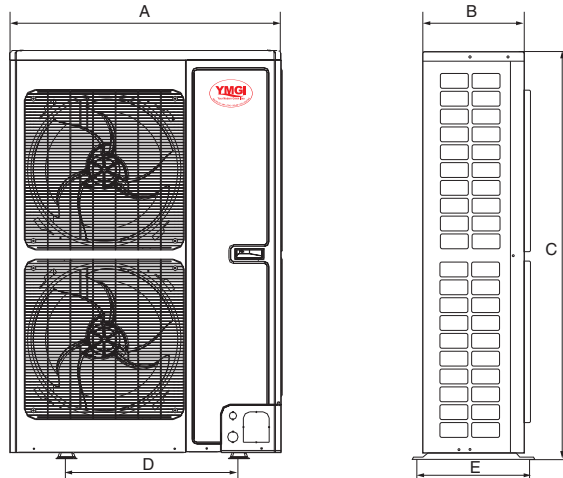
Model	Unit	VRFO-48HP-U2B(55)5
Cooling Capacity	Btu/h	48,000
	Ducted	9.50
	Mixed Ducted	11.00
EER	Non-Ducted	12.50
	Ducted	16.50
SEER	Mixed Ducted	18.25
	Non-Ducted	20.00
Heating Capacity	Btu/h	54,000
	Ducted	10.20
	Mixed Ducted	10.60
HSPF	Non-Ducted	11.00
	Air flow volume	CFM
Heating Capacities at Different OD Ambient Temperatures	47 ° F	100% / 54,000
	17 ° F	100% / 54,000
	-4 ° F	100% / 54,000
	-22 ° F	80% / 43,200
Sound Pressure Level	dB(A)	57
Power Supply	V/Ø/Hz	208~230/1/60
MCA	A	37
MOP	A	50
Connection Method and Valve Sizes	-	Flare/Nut 3/8+5/8"
Refrigerant	-	R410A
Compressor Manufacturer	-	GR/LD
Compressor Type	-	Two-stage Variable Frequency Rotary
Compressor Quantity	No.	1
Motor Type	-	INVERTER
Fan Quantity	-	2
Capacity Adjustment Range	%~%	15%~120%
Maximum drive IDU NO.	unit	7
Max. Equivalent Connection Pipe Length	feet	393.7
Condenser Fin Color	-	Golden
Cooling Operation Ambient Temperature Range	° F	23° ~ 118°
Heating Operation Ambient Temperature Range	° F	-22° ~ 80.6°
Refrigerant Charge	oz	229.3
Low Ambient Cooling Function	-	YES
Base Pan Heater	-	YES



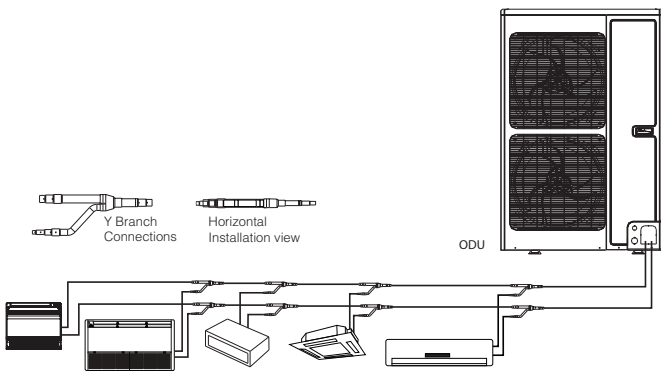
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OUTDOOR UNIT

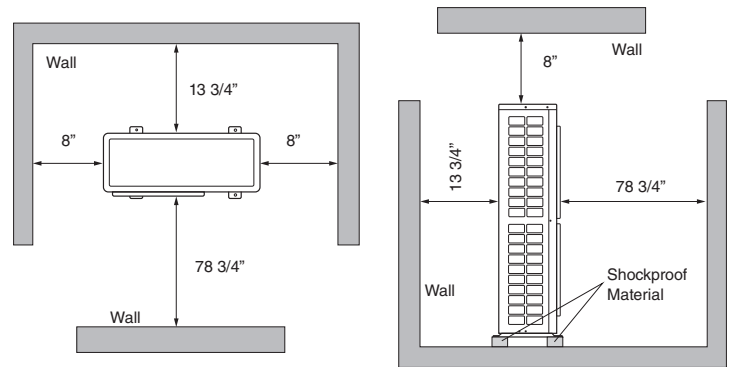
Dimensions (inches)	
	inches
A	35 3/8"
B	13 3/8"
C	53"
D	22 1/2"
E	14 7/8"



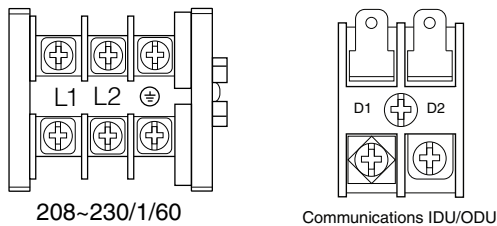
SYSTEM LAYOUT



CLEARANCES



WIRING



		Mini VRF Systems	
		Allowable value	
		m	f
Total length (actual length) of fitting pipe			
Length of farthest fitting pipe	Actual length	120	394
	Equivalent length	150	492
From the 1st branch to the farthest indoor pipe		40	131
Height difference between ODU and IDU	ODU at upper side	50	164
	ODU at lower side	40	131
Height difference between IDUs		15	49

FEATURES

- 208-230/1/60 power input
- Heats at 80% capacity down to -22 °F, cools down to 23 °F.
- Quiet and efficient heating & cooling.
- DC Inverter technology and auto AC/DC power management.
- Compact footprint with side discharge
- ODU ships pre-charged with environmentally friendly R410A refrigerant.
- All DC Inverter high quality compressors
- Sensorless DC fan motor
- Durable powder coated cabinet
- Built to ETL/UL/CSA/AHRI standards
- Easy installation and maintenance

YMGI Group

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Sales Representative or Distributor: