



Submittal Data Sheet: VRFO-48HP-S2B(55)5

OUTDOOR UNIT

Solar Series



VRFO-48HP-S2B(55)5

ACCESSORIES

- MOUNTING BRACKETS
- FOOT RISERS
- COPPER/WIRE/ACC.SET
- LINESET COVERS
- WINTER WIND BAFFLE
- SOLAR PANELS
- PANEL RACKING SYSTEMS

Connection Pipes		
Outer Diameter Liquid Pipe	inches	3/8
Outer Diameter Gas Pipe	inches	5/8
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 13 3/8 x 53
Net Weight	lbs	321.9

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

A VRF System POWERED BY THE SUN

YMGI's Solar Series VRF systems are designed to be the most efficient heating and cooling systems on the market today. Available with Photo Voltaic Solar Panel Arrays, YMGI's Solar Series systems will save you money, and are the most efficient, environmentally friendly way to heat and cool.

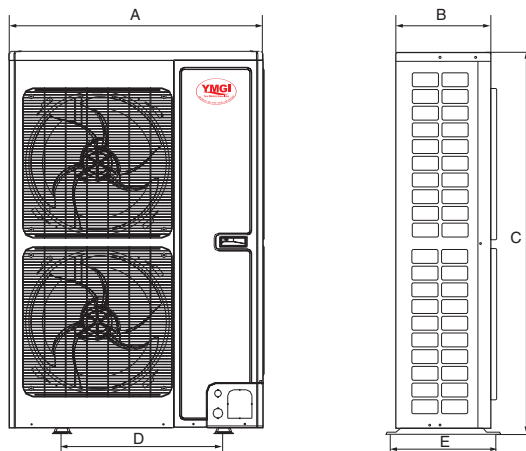
Model	Unit	VRFO-48HP-S2B(55)5	
Cooling Capacity	Btu/h / kW	48,000 / 14	
EER Without Solar Panels	Ducted	9.50	
	Mixed Ducted	11.00	
	Non-Ducted	12.50	
SEER	Without Solar Panels	Ducted	16.50
		Mixed Ducted	18.25
		Non-Ducted	20.00
	With Solar Panels	26-40	
Heating Capacity	Btu/h / kW	54,000 / 15.8	
HSPF	Ducted	10.20	
	Mixed Ducted	10.60	
	Non-Ducted	11.00	
Air flow volume	CFM	3884	
Heating Capacities at Different OD Ambient Temperatures	47 ° F	100% / 54,000	
	17 ° F	100% / 54,000	
	-4 ° F	100% / 54,000	
Sound Pressure Level	dB(A)	54	
Power Supply	V/Ø/Hz	208~230/1/60	
Rated Input	kW	4.4	
MCA	A	35	
MOP	A	60	
Connection Method	-	Flare/Nut	
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	
Condenser Fin Color	-	Golden	
Cooling Operation Ambient Temperature Range	° F	23° ~ 118°	
Heating Operation Ambient Temperature Range	° F	-4° ~ 80.6°	
Refrigerant Charge	oz	229.3	
Low Ambient Cooling Function	-	YES	
Base Pan Heater	-	YES	
Maximum Number of IDU	Untis	7	
Recommended Solar Panels 300w	Pcs.	13-16	



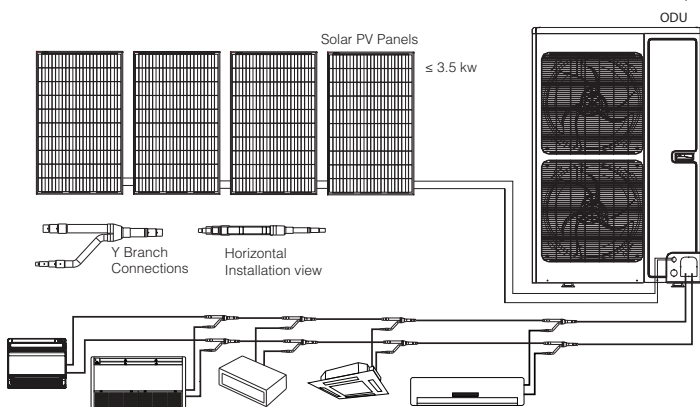
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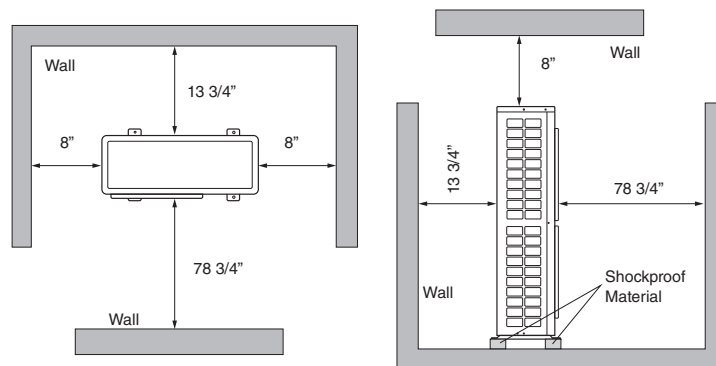
Dimensions (inches)	
	inches
A	35 3/8"
B	13 3/8"
C	53"
D	22 1/2"
E	14 7/8"



SYSTEM LAYOUT

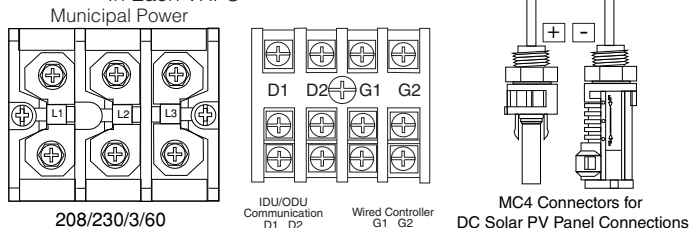


CLEARANCES



TERMINAL BLOCKS

In Each VRFO



Total length (actual length) of fitting pipe	
Length of farthest fitting pipe	Actual length
	Equivalent length
From the 1st branch to the farthest indoor pipe	
Height difference between ODU and IDU	ODU at upper side
	ODU at lower side
Height difference between IDUs	

Mini VRF Systems		
Allowable value		
	m	f
	300	984
	120	394
	150	492
	40	131
	50	164
	40	131
	15	49

FEATURES

- 208-230/1/60 power input + DC Solar PV power
- Heats at 100% capacity down to -4 °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.

- Solar panels can be wired directly to unit
- 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

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Sales Representative or Distributor: