

SUBMITTAL DATA SHEET

8 RT (H,Y)VAHP096B31S (Consists of one (H,Y)VAHP096B31S module.)

Job Name:		Location:	
Purchaser:		Order No.:	
Engineer:			
Submitted To:	For:	Ref:	Approval:
			Construction:
Submitted By:		Date:	
Unit Designation:		Schedule No.:	Model No.:

FEATURES:

- Two-pipe system for ductless and ducted applications
- Inverter-driven scroll compressor
- Long refrigerant piping lengths – up to 3,280 feet total pipe run

ACCESSORIES:

- Piping Kit: for details see Pipe Accessories Submittal
- Hail/Snow Protection Hood: for details see Snow/Hail Guards Kit Submittal

NOTES:

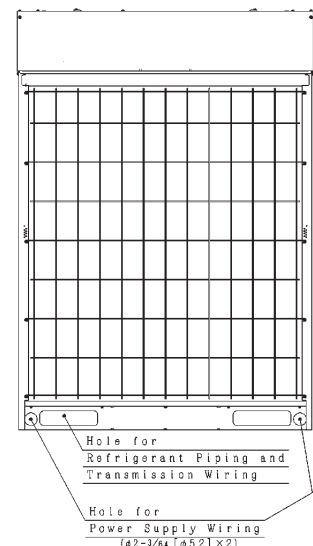
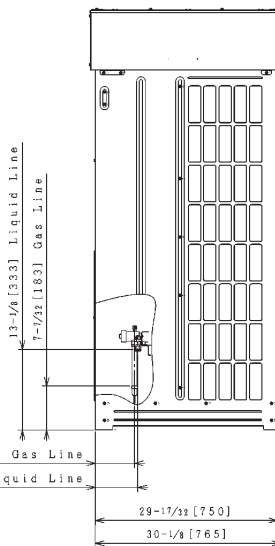
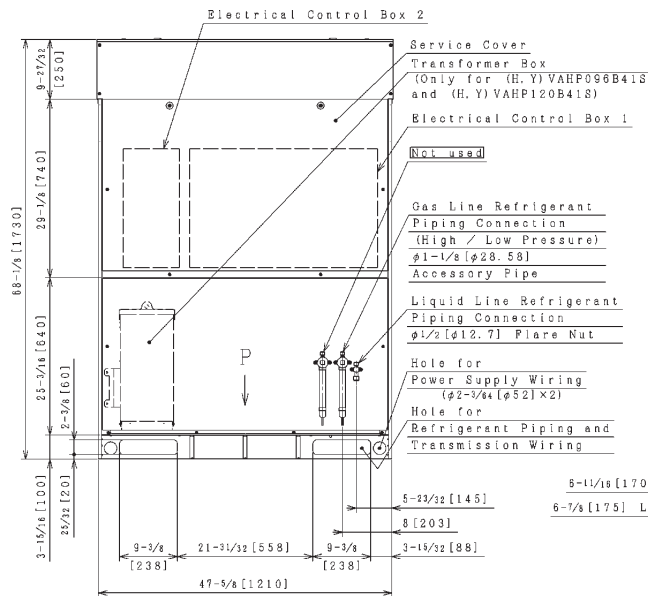
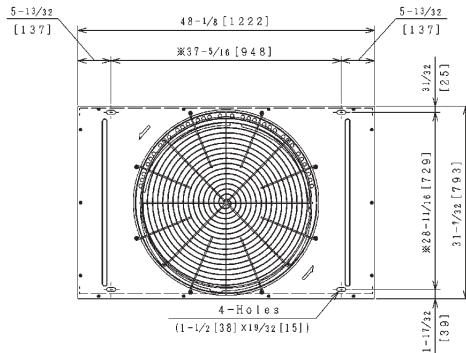
- *1 Rating Conditions are based on the AHRI 1230 test standard.
- *2 Operation under harsh weather requires additional accessories.
- *3 External static pressure can be changed to 0.24in.W.G.(60Pa).

Category	Type	Single Unit	
		8RT	
Model (combination)		(H,Y)VAHP096B31S	
Model (individual)	Unit A	-	
	Unit B	-	
	Unit C	-	
	Unit D	-	
Power Supply		208/230V/ 3PH 60Hz	
Cooling *1	Capacity	Btu/h	(kW)
	EER	Btu/Wh	(W/W)
	Power input	kW	
	Current input	A (208V/230V)	
Cooling Operating Range *2	Indoor	F WB (°C WB)	59(15)~73(23)
	Outdoor	F DB (°C DB)	14(-10)~118(48)*1,*2
Heating High *1	Capacity	Btu/h	(kW)
	COP	W/W	
	Power input	kW	
Heating Low *1	Capacity	Btu/h	(kW)
	COP	W/W	
Heating Operating Range *2	Indoor	F DB (°C DB)	59(15)~80(27)
	Outdoor	F WB (°C WB)	-4(-20)~59(15)
Cabinet Color (Munsell Code)		2.5Y 8/2	
Outer Dimensions	Height	in	(mm)
	Width	in	(mm)
	Depth	in	(mm)
Package Dimensions	Height	in	(mm)
	Width	in	(mm)
	Depth	in	(mm)
Weight	Net	lbs	(kg)
	Gross	lbs	(kg)
Connection Ratio	Tota Indoor Unit Capacity	%	
	Max. (Recommendation) indoor units/system	21 (16)	
Heat Exchanger	Type	Multi-Pass Cross-Finned Tube	
	Material	Anti-corrosion/Cu-Al	
Compressor	Type	Inverter	DA65PHD x 1
		Fix Speed	E655DH x 1
	Motor Output(Pole)	kW(Pole)	4.8(6)+4.4(2)
	Start Method	inverter	
	Operation Range	%	
Crank Case Heater	Refrigeration Oil Type	FVC68D	
		W x Q'ty	40.8 (230V) x 4
Fan	Type	Propeller Fan	
	Motor Output(Pole)	kW(Pole)	
	Quantity	Q'ty	
	Air Flow Rate	cfm	(m ³ /min)
Electrical	External static pressure *3	in.WG	(Pa)
	Drive	Direct-drive	
Control	Min Circuit Amps	A	
	Recommended Fuse/Breaker Size	A	
	Maximum Fuse Size	A	
Sound Pressure Level	Type-Qty	AWG18-2	
	Maximum length	Ft	(m)
Protection devices	Cooling (Night-Shift)	dB(A)	
	Heating	dB(A)	
	Cycle	High pressure switch at 4.15 (601psi)	
Refrigerant	Inverter	Over-current protection	
	Compressor	Over-heat protection	
Refrigeration Oil	PCB	Over-current protection	
	Type-Qty	-	
Defrost Method	Charge amount	lb	(kg)
	Charge amount	gal/Unit	(L/Unit)
Main Refrigerant Piping (Heat Pump)	Gas Line (High/Low)	in	(mm)
	Liquid Line	in	(mm)

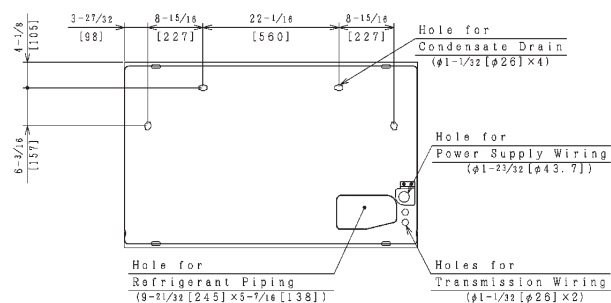
System Dimensions

Heat Pump Type

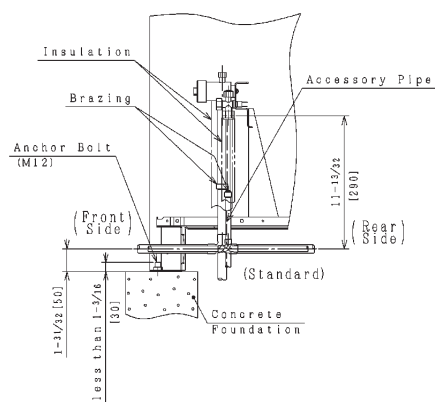
Model: (H,Y)VAHP096B31S



Viewed from P



Field Installation (Example)

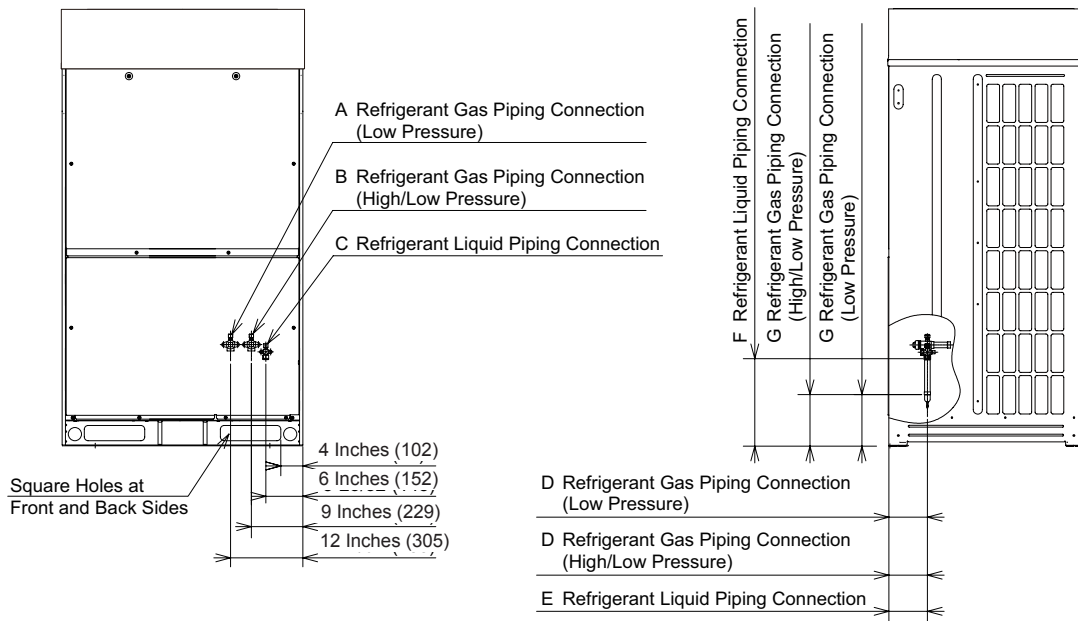


NOTES:

1. Drain water is discharged from the unit during the operation.
 - Ⓞ Choose a place where well drainage is available. Provide a groove for drain.
 - Ⓞ Do not provide an upward slope from the unit to avoid reverse flow of the drain.
 - Provide a second drainpan under the outdoor unit, to collect drain water securely.
 - Ⓞ Do not use the drain boss (optional) in a cold area.
 - (Drain water in the drain pipe may be frozen and the drain pipe may crack.)
2. The dimensions marked with ※ indicates the mounting pitch dimension for anchor bolts.

Piping Connection Dimensions

Unit: inch (mm)



Model Type	Field Piping (*)					A	B	C	D	E	F	G
	Heat Recovery System		Heat Pump System		Liquid							
	Low Pressure Gas	High/Low Pressure Gas	Low Pressure Gas	High/Low Pressure Gas								
72	1-1/8 (28.58)	7/8 (22.2)	-	1-1/8 (28.58)	1/2 (12.7)	7/8 (22.2)	7/8 (22.2)	3/8 (9.52)	5-29/32 (150)	5-29/32 (150)	13-3/8 (340)	8-1/16 (205)
96	1-1/8 (28.58)	7/8 (22.2)	-	1-1/8 (28.58)	1/2 (12.7)	1 (25.4)	1 (25.4)	1/2 (12.7)	6-11/16 (170)	6-11/16 (170)	12-25/32 (325)	7-7/8 (200)
120	1-1/8 (28.58)	7/8 (22.2)	-	1-1/8 (28.58)	1/2 (12.7)	1 (25.4)	1 (25.4)	1/2 (12.7)	6-11/16 (170)	6-11/16 (170)	12-25/32 (325)	7-7/8 (200)

*Using the accessory pipe (refer to Table 3.6 "Factory-Supplied Accessories"), combine the piping size.

Figure 6.2 Refrigerant Piping Connection



version 201702