



24,000 BTU/H SIRIUS HEAT FLOOR/CEILING HEAT PUMP

SUBMITTAL COVER SHEET

SIRIUS HEAT™

PROJECT NAME _____

LOCATION _____




ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAF24F1A	Outdoor Unit (ODU): DRA1H24S1A	Wireless Remote Control
		

PRODUCT FEATURES

- Up to 100% heating capacity at 0°F
- Low ambient heating down to -22°F
- Low ambient cooling down to 5°F
- Wireless Remote Control with "Follow Me" Technology
- Variable Speed Inverter Compressor
- Auto Restart
- Sleep Mode
- Turbo Mode
- Quiet operation
- 46°F Freeze Protection
- Included base pan heater
- Refrigerant leak detection
- Anti-corrosive fin coating
- Flexible installation for floor or ceiling

SYSTEM DATA	
Refrigerant Type	R-410A
Refrigerant Charge (oz.)	91.7
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	
SEER2	20.5
EER2	11.0
HSPF2	11.5
SEER	20.2
EER	11.0
HSPF	11.6
COP at 47°F	3.52
COP at 5°F	2.10

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95 °F ¹	24000
	Minimum	5400
	Maximum	26800
Heating Capacity (BTU/hr)	Rated at 47 °F ²	24600
	Maximum at 5 °F ³	25000
	Minimum	12500
	Maximum	30500



Specifications are subject to change without notice.
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SPECIFICATIONS

SIRIUS HEAT™

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø3/8" (Ø9.52mm)
Gas	Ø5/8" (Ø16mm)
Pre-Charge Length	25'
Minimum Length	10'
Maximum Length	164'
Maximum Height Differential	82'
Additional Refrigerant (oz./ft)	0.32

OUTDOOR UNIT		
Unit Dimensions	Width	37-1/4"
	Depth	16-1/8"
	Height	31-7/8"
Carton Dimensions	Width	42-15/16"
	Depth	19-11/16"
	Height	36-13/16"
Net Weight	135.5 lbs.	
Gross Weight	144.4 lbs.	
Cooling Operating Temperature	5°F - 122°F	
Heating Operating Temperature	-22°F - 75°F	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Recommended Breaker (Amps)	35	
Minimum Circuit Ampacity (Amps)	25	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	9.6	
Rated Current - Heating (Amps) ²	9.2	
Sound Pressure (dB(A))	62	

INDOOR UNIT		
Unit Dimensions	Width	42-1/16"
	Depth	9-1/4"
	Height	26-9/16"
Carton Dimensions	Width	45-1/16"
	Depth	12-1/2"
	Height	29-3/4"
Net Weight	61 lbs.	
Gross Weight	72 lbs.	
Indoor Unit Air Flow (CFM)	Low	598
	Medium	708
	High	759
Drain Port O.D.	Ø1" (Ø25mm)	
Recommended Breaker (Amps)	15	
Sound Pressure (dB(A))	Low	42
	Medium	47
	High	51

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz.)	20.9 (620 ml)

¹ AHRI Rated at 95°F (AFull).

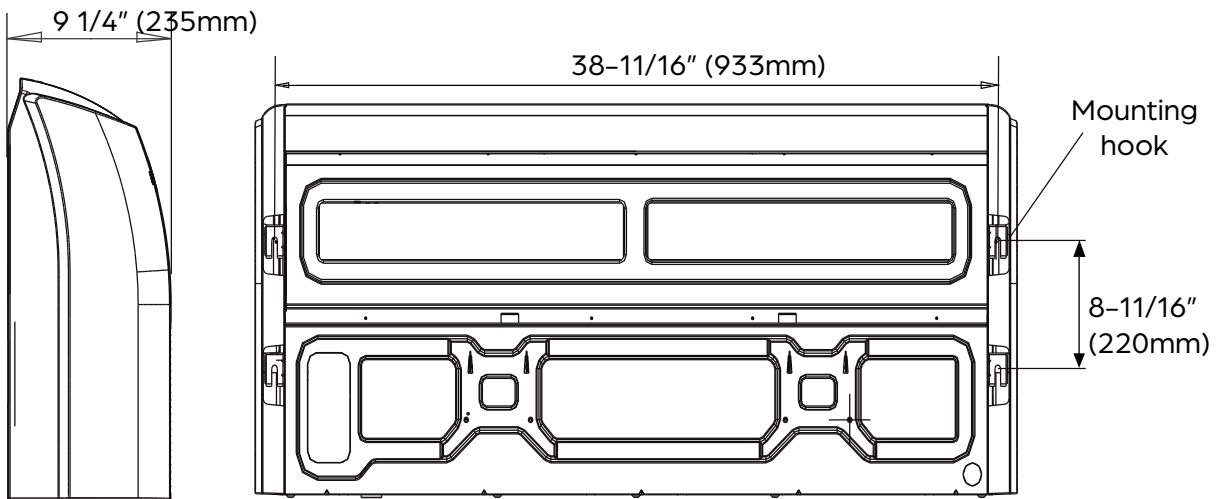
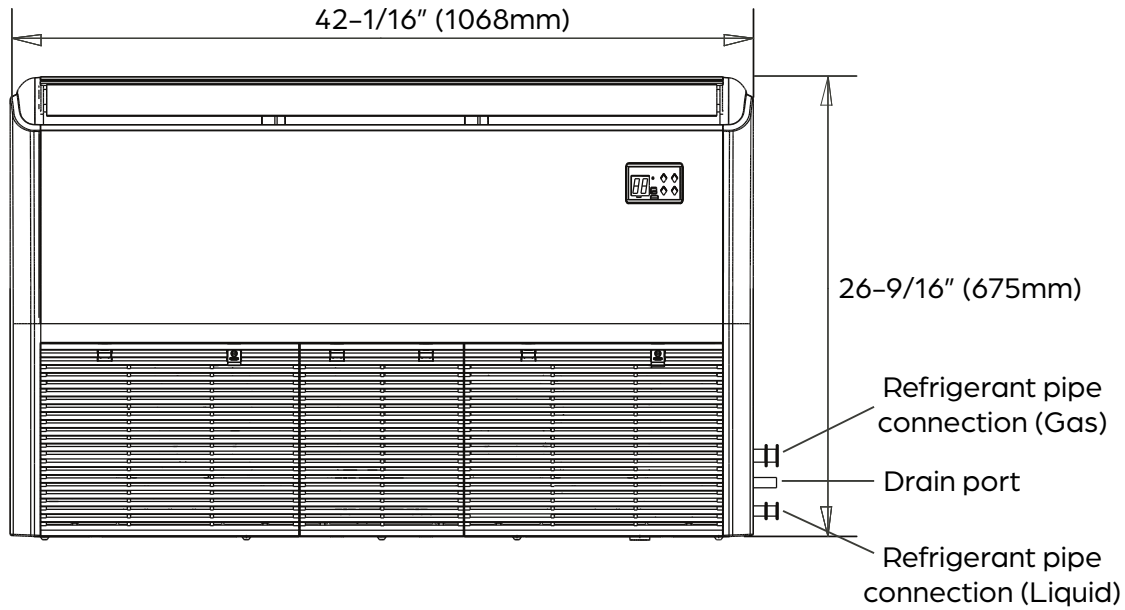
² AHRI Rated at 47°F (H1Full).

³ AHRI Rated Capacity at 5°F (H42)



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IDU DIMENSIONS - DRAF24F1A



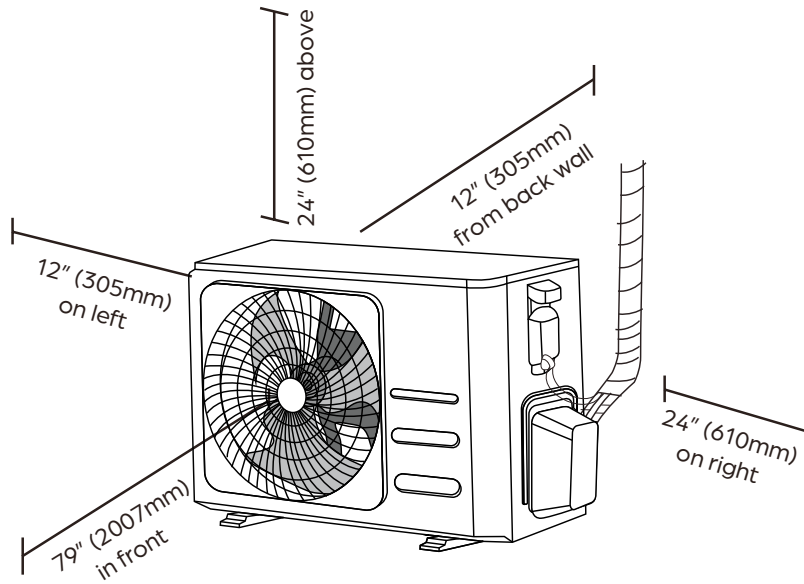


SIRIUS HEAT™

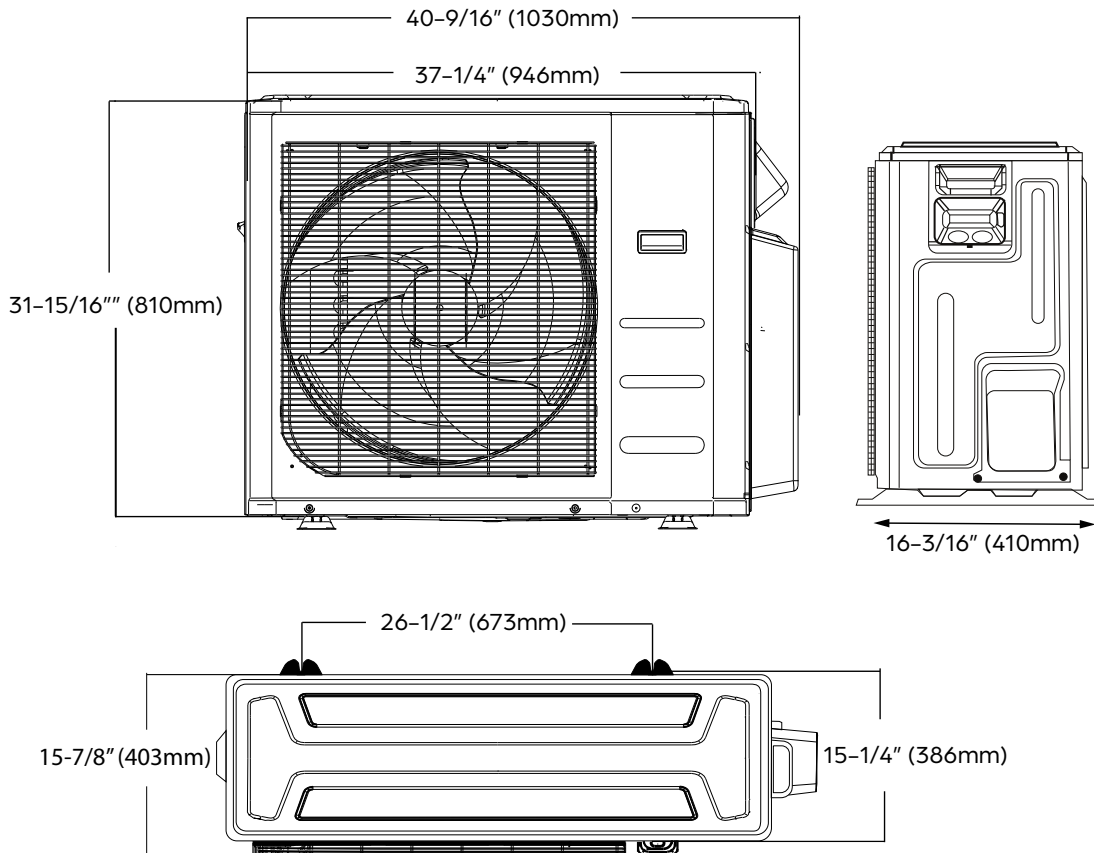
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ODU DIMENSIONS - DRA1H24S1A

Clearances



Dimensions



NOTE

- Illustrations in this document are for explanatory purposes. The actual shape of your mini-split equipment may vary slightly.