



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

SUBMITTAL COVER SHEET

SIRIUS HEAT™

PROJECT NAME _____

LOCATION _____





ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAC24F1B	Panel: DRACPANB1B	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

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F ¹	24000
	Minimum	8000
	Maximum	25000
Heating Capacity (BTU/hr)	Rated at 47°F ²	25000
	Rated at 5°F ³	25800
	Minimum	11840
	Maximum	27000

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	3.50
COP at 5°F	2.00



Specifications are subject to change without notice.

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24,000 BTU/H SIRIUS HEAT CEILING MOUNTED HEAT PUMP SPECIFICATIONS

SIRIUS HEAT™

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø3/8" (Ø9.52mm)
Gas	Ø5/8" (Ø15.87mm)
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	8.5	
Rated Current - Heating (Amps) ²	9.8	
Sound Pressure (dB(A))	62	

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz.)	21.0 (620 ml)

INDOOR UNIT		
Unit Dimensions	Width	32 -1/16"
	Depth	32-11/16"
	Height	8-1/16"
Carton Dimensions	Width	35-13/16"
	Depth	35-13/16"
	Height	9-13/16"
Net Weight	47 lbs.	
Gross Weight	55 lbs.	
Indoor Unit Air Flow (CFM)	Low	547
	Medium	635
	High	706
Drain Port O.D.	Ø5/8" (Ø16mm)	
Drain Pump Lift	29 1/2"	
Recommended Breaker (Amps)	35	
Sound Pressure (dB(A))	Low	43
	Medium	46
	High	48

¹ AHRI Rated at 95°F (AFull).

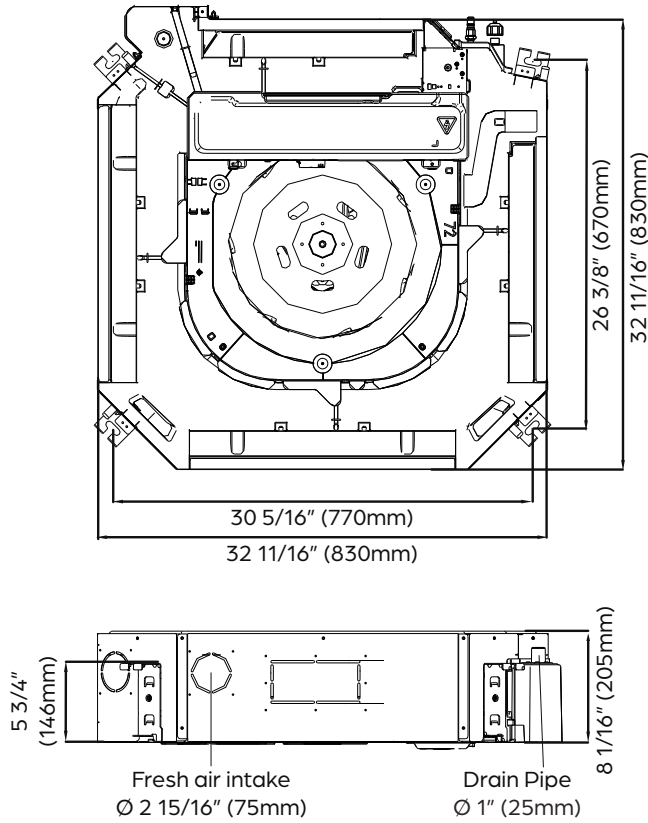
² AHRI Rated at 47°F (H1Full).

³ AHRI Rated Capacity at 5°F (H42)

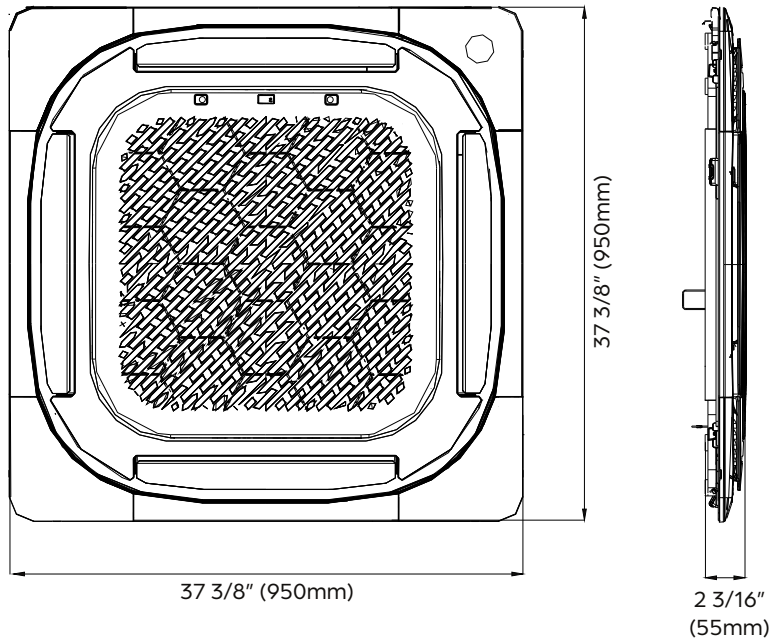


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IDU DIMENSIONS - DRAC24F1B



DRACPANB1B:



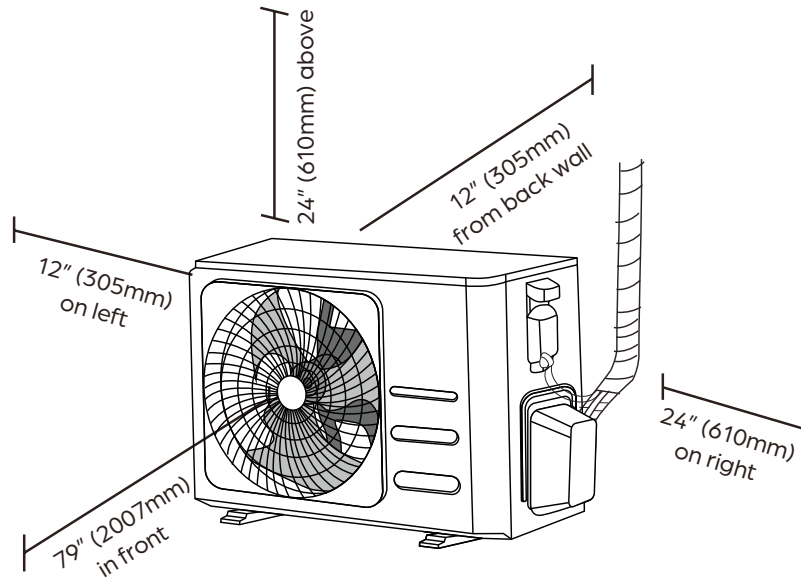


SIRIUS HEAT™

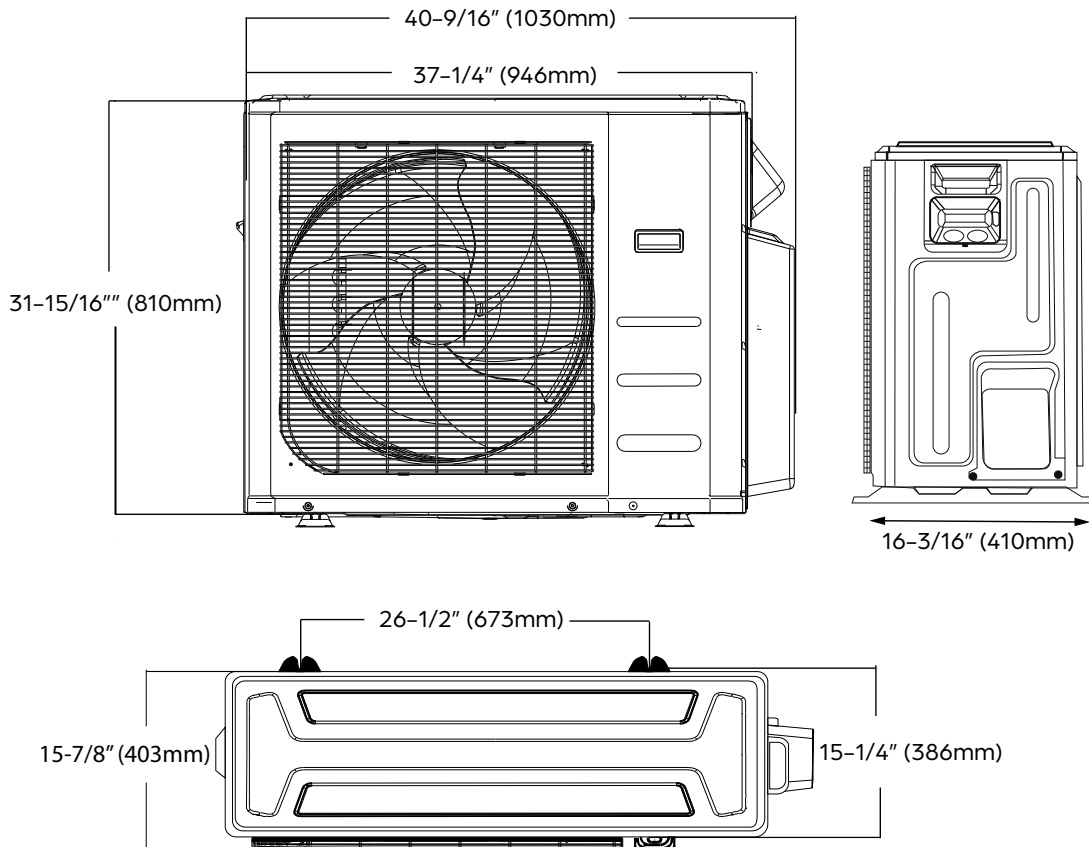
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ODU DIMENSIONS - DRA1H24S1A

Clearances



Dimensions



NOTE

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