



SIRIUS HEAT™

18,000 BTU/H SIRIUS HEAT DUCTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____




ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAD18F1A	Outdoor Unit (ODU): DRA1H18S1A	Wired Thermostat
		

PRODUCT FEATURES

- Up to 100% heating capacity at 0°C
- Low ambient cooling and heating down to -22°F
- Low ambient cooling down to 5°F
- Wired thermostat included
- Variable Speed Inverter Compressor
- Auto Restart
- Turbo Mode
- Quiet operation
- Humidity sensor
- 46°F Freeze Protection
- Included base pan heater
- Refrigerant leak detection
- Anti-corrosive fin coating

SYSTEM DATA	
Refrigerant Type	R-410A
Refrigerant Charge (oz.)	65.2
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	
SEER2	18.0
EER2	11.7
HSPF2	9.5
SEER	19.6
EER	12.5
HSPF	11.0
COP at 47°F	2.93
COP at 5°F	1.85

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95 °F ¹	17000
	Minimum	6500
	Maximum	18800
Heating Capacity (BTU/hr)	Rated at 47°F ²	19000
	Maximum at 5°F ³	17700
	Minimum	8900
	Maximum	22000



Specifications are subject to change without notice.
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SPECIFICATIONS

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LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø1/4" (Ø6.35mm)
Gas	Ø1/2" (Ø12.7mm)
Pre-Charge Length	25'
Minimum Length	10'
Maximum Length	98'
Maximum Height Differential	66'
Additional Refrigerant (oz./ft)	0.16

OUTDOOR UNIT		
Unit Dimensions	Width	35-1/16"
	Depth	13-7/16"
	Height	26-1/2"
Carton Dimensions	Width	39-3/16"
	Depth	15-11/16"
	Height	32-11/16"
Net Weight	101 lbs.	
Gross Weight	108 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)	25	
Minimum Circuit Ampacity (Amps)	16	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	8.5	
Rated Current - Heating (Amps) ²	11.5	
Sound Pressure (dB(A))	59	

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz.)	21 oz. (620ml)

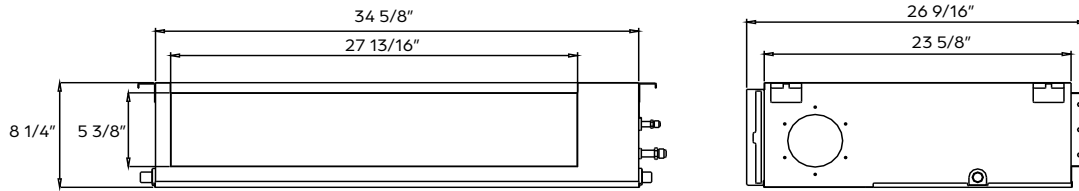
INDOOR UNIT		
Unit Dimensions	Width	34-5/8"
	Depth	26-9/16"
	Height	8-1/4"
Carton Dimensions	Width	42-1/8"
	Depth	28-9/16"
	Height	10-5/8"
Net Weight	55 lbs.	
Gross Weight	67 lbs.	
Indoor Unit Air Flow (CFM)	Low	371
	Medium	450
	High	530
Drain Port O.D.	1" (Ø25mm)	
Drain Pump Lift	21 5/8"	
Recommended Breaker (Amps)	15	
Sound Pressure (dB(A))	Low	35
	Medium	38
	High	40

¹ AHRI Rated at 95°F (AFull).

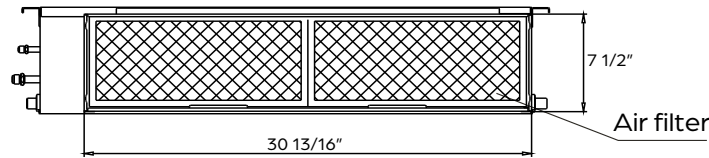
² AHRI Rated at 47°F (H1Full).

³ AHRI Rated Capacity at 5°F (H42)

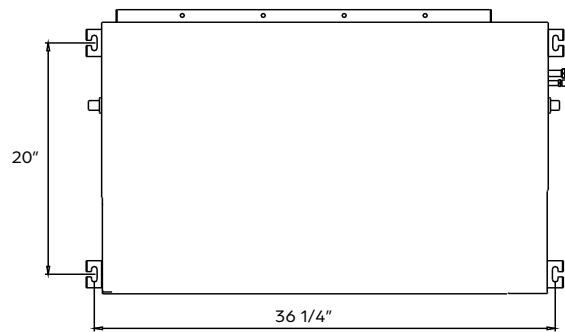
Unit and air outlet dimensions



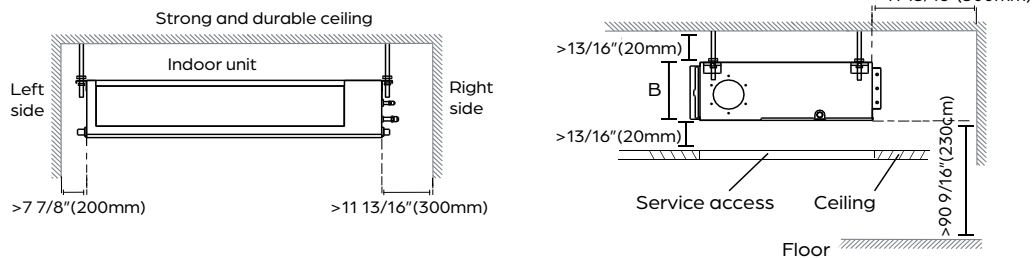
Air inlet dimensions



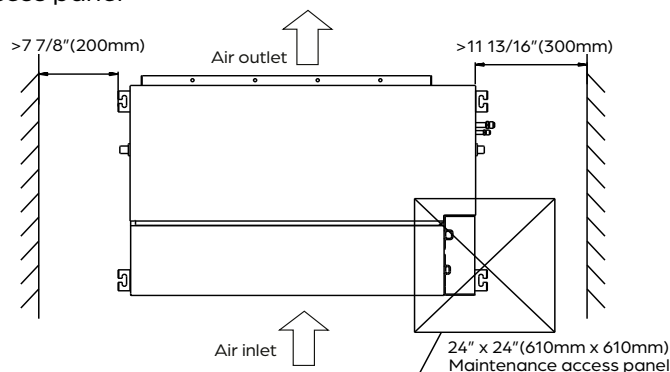
Mounting dimensions for ceiling bolts



Installation clearances



Maintenance access panel



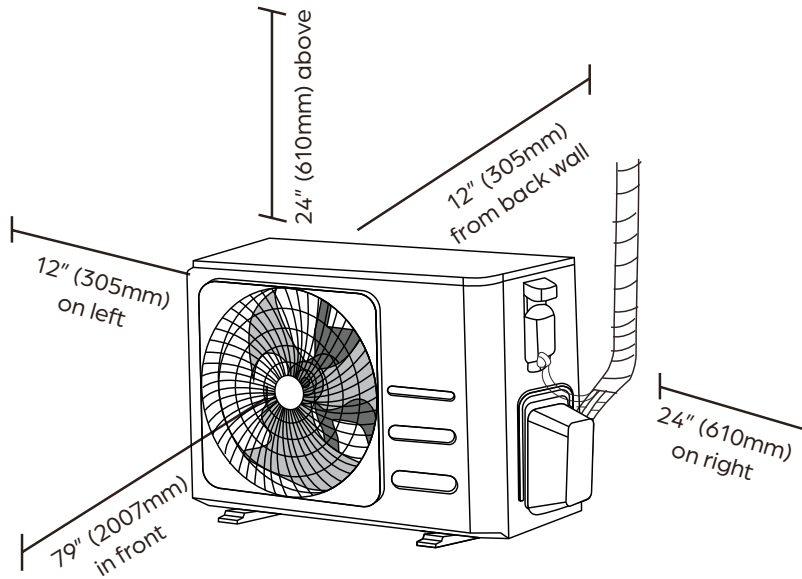


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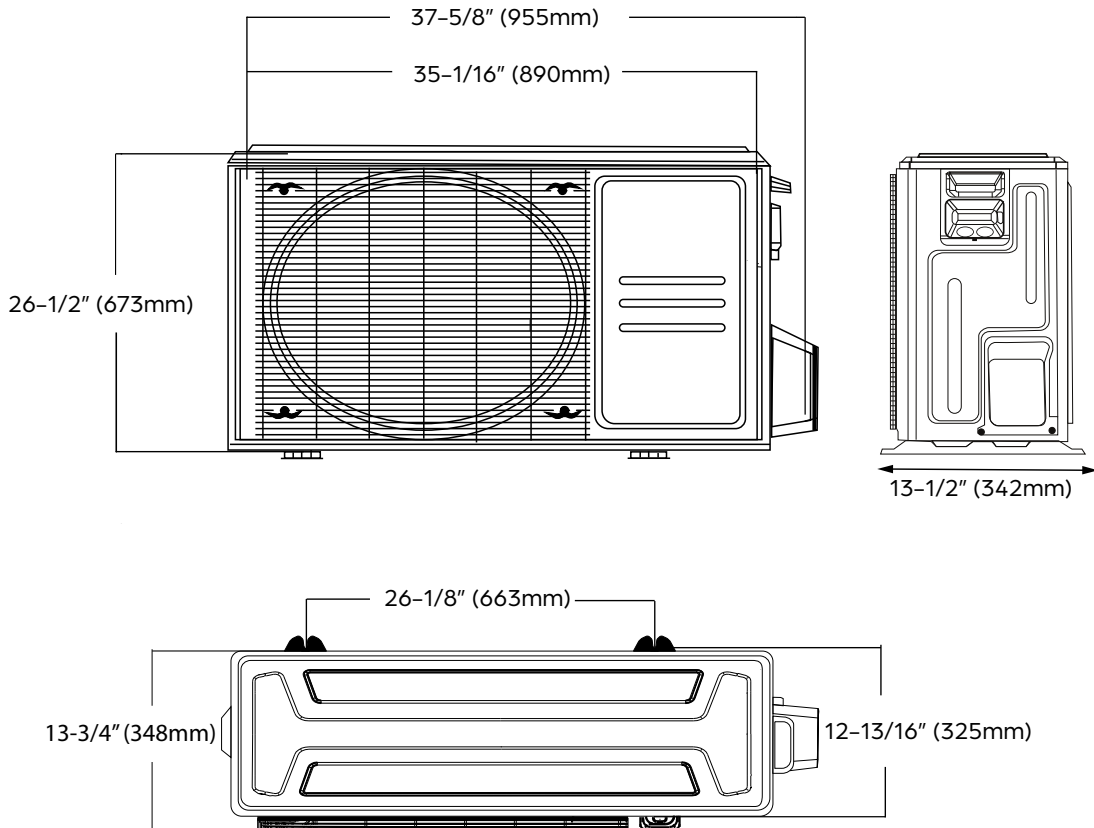
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ODU DIMENSIONS - DRA1H18S1A

Clearances



Dimensions



NOTE

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

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