

PROJECT NAME _____

LOCATION _____

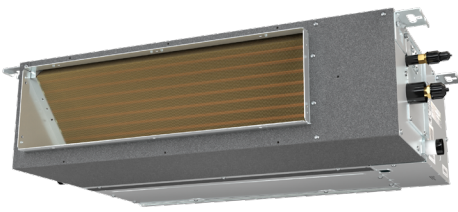
ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRADH0912F2A	Outdoor Unit (ODU): DRA1H12S2A	Wired Thermostat: DRSTAT101
		

PRODUCT FEATURES

- Up to 100% heating capacity at 0°C
- Low ambient cooling and heating down to -22°F
- Variable Speed Inverter Compressor
- A2L refrigerant detection system
- Internal drain pump included
- Horizontal and vertical installation
- High static pressure up to 0.8 in. WC
- DRSTAT101 programmable wired thermostat included
- Turbo, ECO, Sleep modes and more
- Quiet operation
- Included base pan heater
- Anti-corrosive fin coating

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F (35°C) ¹	12000
	at 109°F (43°C)	11000
	at 5°F (-15°C)	13300
	Cooling Range	3000 - 13300
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	12000
	Rated at 17°F (-8°C) ³	10200
	Rated at 5°F (-15°C) ⁴	12000
	at -13°F (-25°C)	7000
	at -22°F (-30°C)	5900
	Heating Range	3900 - 16500

SYSTEM DATA	
Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	35.3 (1.0)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	
SEER2	20.50
EER2	12.0
HSPF2	10.6
COP at 47°F (8°C) ²	3.63
COP at 17°F (-8°C) ³	2.59
COP at 5°F (-15°C) ⁴	1.95



Specifications are subject to change without notice.

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SIRIUS HEAT™ HIGH STATIC DUCTED HEAT PUMP SYSTEM: 12,000 BTU/H

SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (in. (mm))	Ø1/4 (Ø6.35)
Gas (in. (mm))	Ø3/8 (Ø9.52)
Pre-Charge Length (ft. (m))	25 (7.5)
Minimum Length (ft. (m))	10 (3.0)
Maximum Length (ft. (m))	82 (25.0)
Maximum Height Differential (ft. (m))	49 (15.0)
Additional Refrigerant (oz./ft (g/m))	0.16 (15)

OUTDOOR UNIT		
Unit Dimensions	Width	31-11/16 (805)
	Depth	13 (330)
	Height	21-13/16 (554)
Carton Dimensions	Width	36 (915)
	Depth	14-5/8 (370)
	Height	24-1/4 (615)
Net Weight (lbs. (kg))	72.8 (33.0)	
Gross Weight (lbs. (kg))	78.7 (35.7)	
Cooling Operating Temp. (°F (°C))	-22 - 122 (-30 - 50)	
Heating Operating Temp. (°F (°C))	-22 - 75 (-30 - 24)	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	15.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	1.2 ~5.6	
Rated Current - Heating (Amps) ²	1.6 ~6.7	
Sound Pressure (dB(A))	54	

¹ Value at AHR1 Rated Capacity at 95°F (35°C) (AFull)

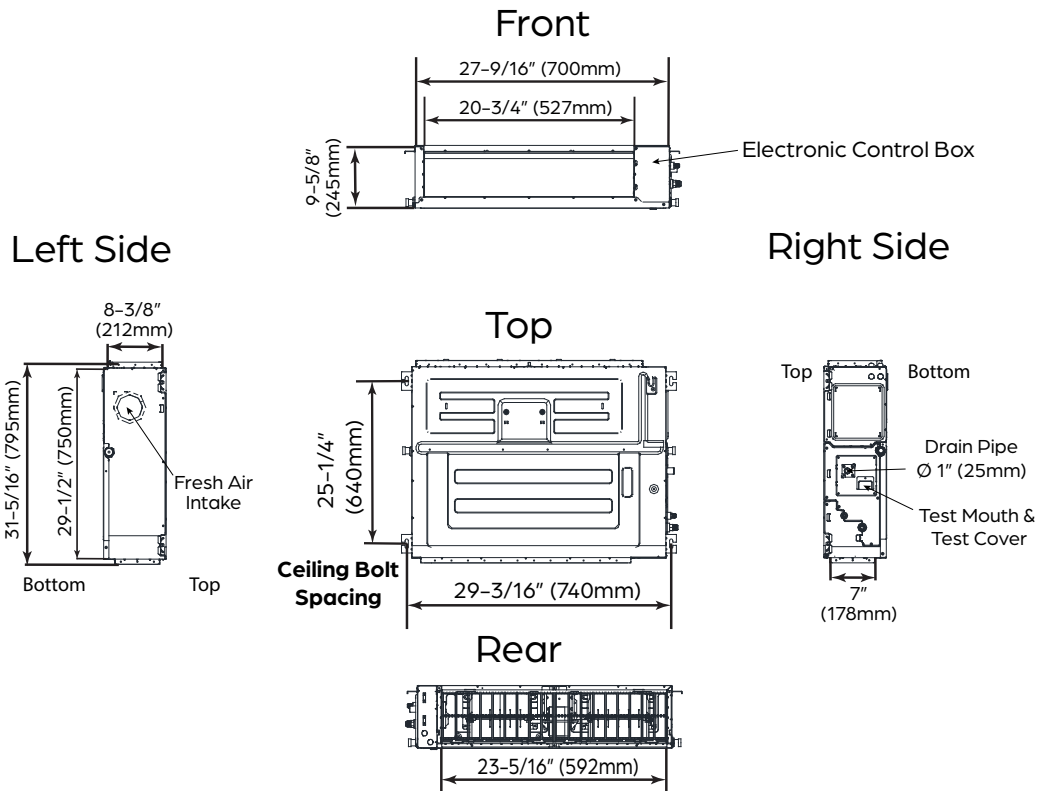
² Value at AHR1 Rated Capacity at 47°F (8°C) (H1Full)

³ Value at AHR1 Rated Capacity at 17°F (-8°C) (H32)

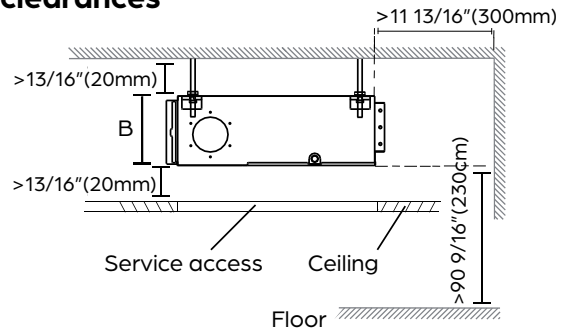
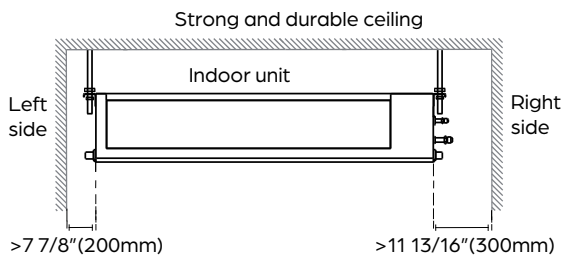
⁴ Value at AHR1 Rated Capacity at 5°F (-15°C) (H42)

INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	27-9/16 (700)
	Depth	29-1/2 (750)
	Height	9-5/8 (245)
Carton Dimensions (in. (mm))	Width	36-7/16 (925)
	Depth	33-1/2 (850)
	Height	11-3/4 (298)
Net Weight (lbs. (kg))	64.2 (29.1)	
Gross Weight (lbs. (kg))	73.9 (33.5)	
Indoor Unit Air Flow (CFM)	Silent	135
	Low	216
	Medium	256
	High	350
	Turbo	419
Static Pressure (in. WC (Pa))	0 - 0.8 (0 - 200)	
Moisture Removal (Pints/day (L/h))	50.7 (1.4)	
Field Supplied Drain Pipe O.D. (in. (mm))	Ø1 (Ø25)	
Drain Pump Lift (in. (mm))	21-5/8 (550)	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	3.0	
Sound Pressure (dB(A))	Silent	26
	Low	28
	Medium	29
	High	30
	Turbo	N/A

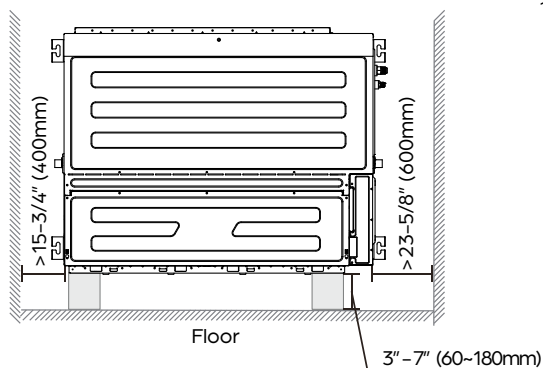
COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz. (ml))	11.8 (350)



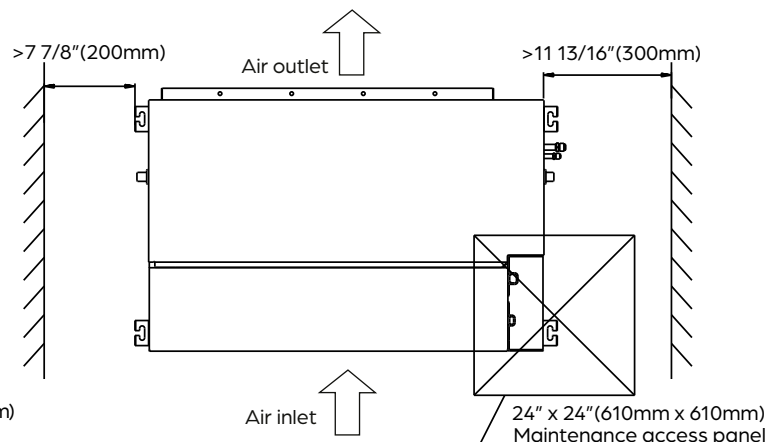
Ceiling mount clearances



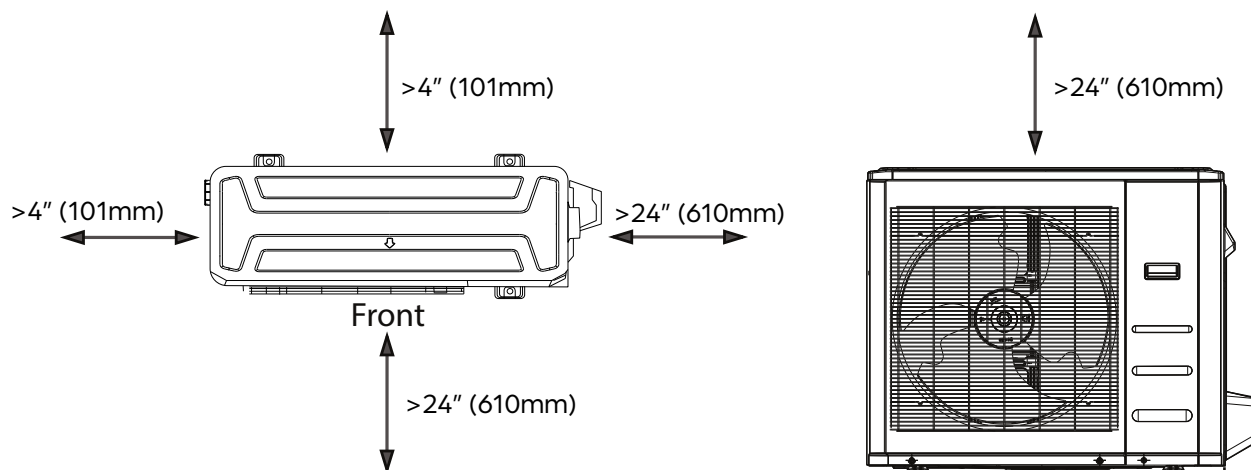
Wall mount (vertical) clearances



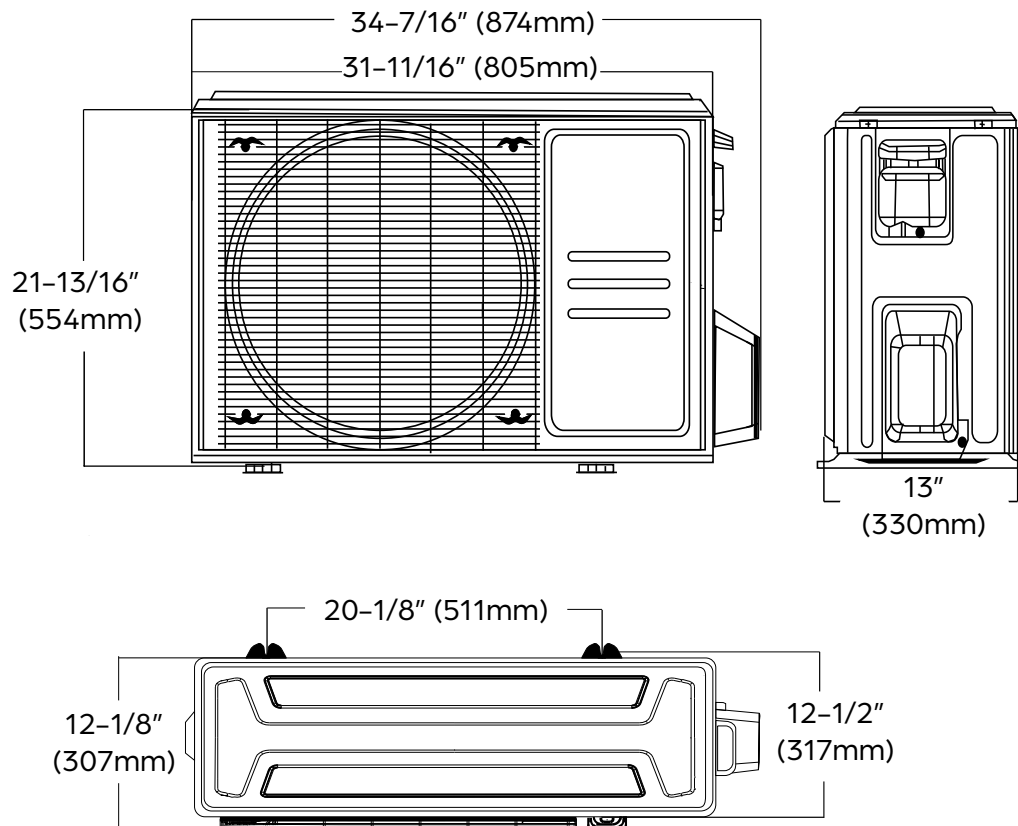
Maintenance access panel clearance



Clearances



Dimensions



NOTE

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