

PROJECT NAME _____

LOCATION _____

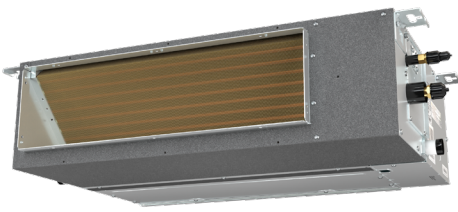
ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRADH24F2A	Outdoor Unit (ODU): DRA1H24S2A	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	24000
	at 109°F (43°C)	20900
	at 5°F (-15°C)	28800
	Cooling Range	5000 - 28000
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	26000
	Rated at 17°F (-8°C) ³	21600
	Rated at 5°F (-15°C) ⁴	24000
	at -13°F (-25°C)	12800
	at -22°F (-30°C)	10200
	Heating Range	7300 - 31400

SYSTEM DATA

Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	63.5 (1.8)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA

SEER2	19.0
EER2	12.0
HSPF2	11.7
COP at 47°F (8°C) ²	3.81
COP at 17°F (-8°C) ³	2.70
COP at 5°F (-15°C) ⁴	2.18



Specifications are subject to change without notice.

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SIRIUS HEAT™ HIGH STATIC DUCTED HEAT PUMP SYSTEM: 24,000 BTU/H

SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (in. (mm))	Ø3/8" (Ø9.52mm)
Gas (in. (mm))	Ø5/8" (Ø13.02mm)
Pre-Charge Length (ft. (m))	25 (7.5)
Minimum Length (ft. (m))	10 (3.0)
Maximum Length (ft. (m))	164 (50.0)
Maximum Height Differential (ft. (m))	82 (25.0)
Additional Refrigerant (oz./ft (g/m))	0.32 (30)

OUTDOOR UNIT		
Unit Dimensions	Width	37-1/4 (946)
	Depth	16-1/8 (410)
	Height	31-7/8 (810)
Carton Dimensions	Width	42-15/16 (1090)
	Depth	19-11/16 (500)
	Height	34-7/8 (885)
Net Weight (lbs. (kg))	130.3 (59.1)	
Gross Weight (lbs. (kg))	141.3 (64.1)	
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)	25	
Minimum Circuit Ampacity (Amps)	24.9	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	8.8	
Rated Current - Heating (Amps) ²	8.8	
Sound Pressure (dB(A))	61	

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)

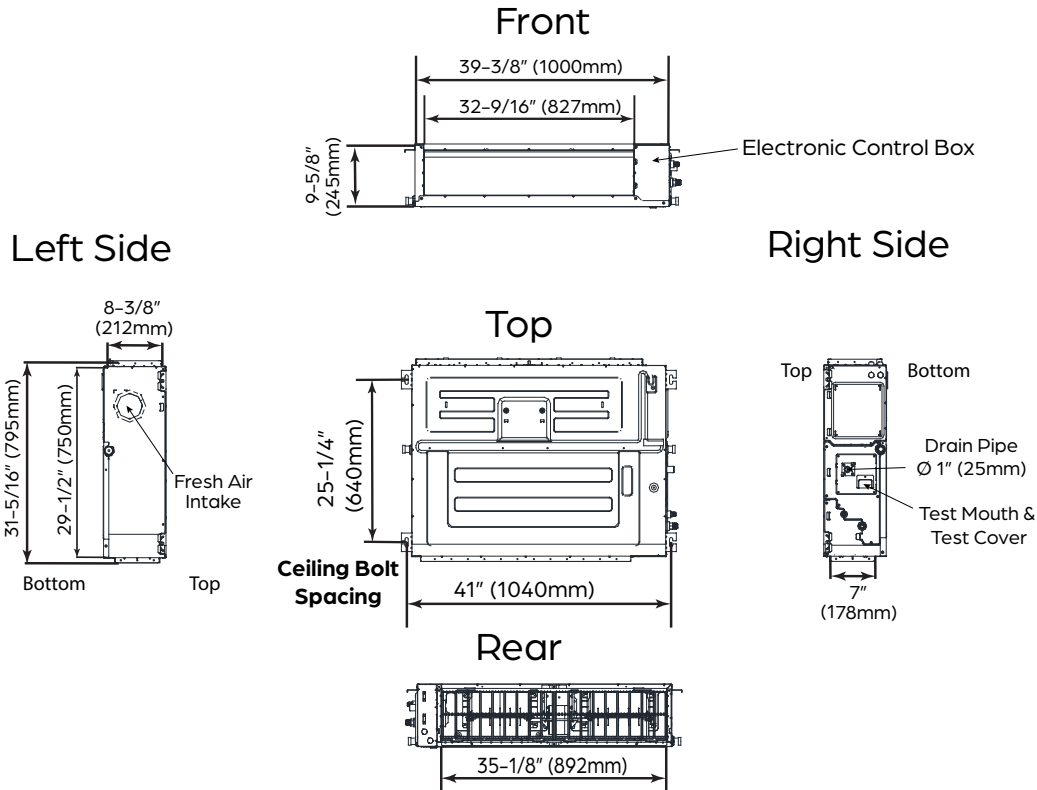
INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	39-3/8 (1000)
	Depth	29-1/2 (750)
	Height	9-5/8 (245)
Carton Dimensions (in. (mm))	Width	48-1/4 (1225)
	Depth	33-7/8 (860)
	Height	12 (304)
Net Weight (lbs. (kg))	80.5 (36.5)	
Gross Weight (lbs. (kg))	91.9 (41.7)	
Indoor Unit Air Flow (CFM)	Silent	N/A
	Low	500
	Medium	618
	High	706
	Turbo	854
Static Pressure (in. WC (Pa))	0 - 0.8 (0 - 200)	
Moisture Removal (Pints/day (L/h))	101.4 (2.0)	
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	28
	Low	35
	Medium	37
	High	40
	Turbo	N/A

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

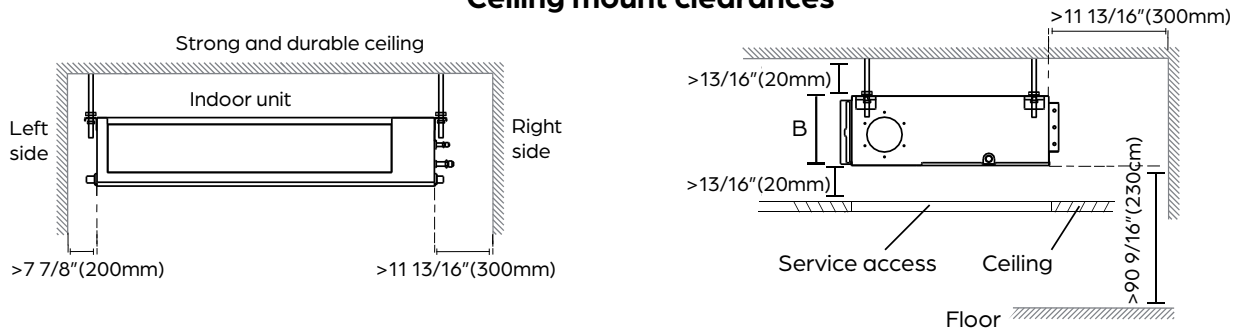
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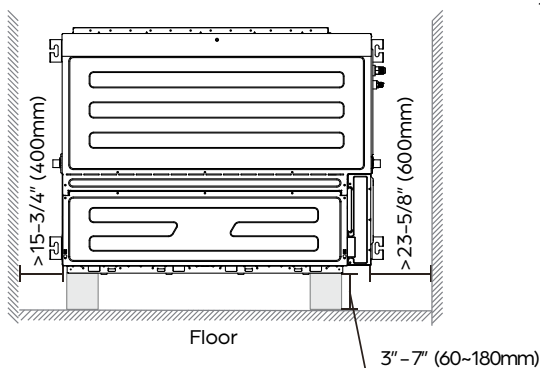
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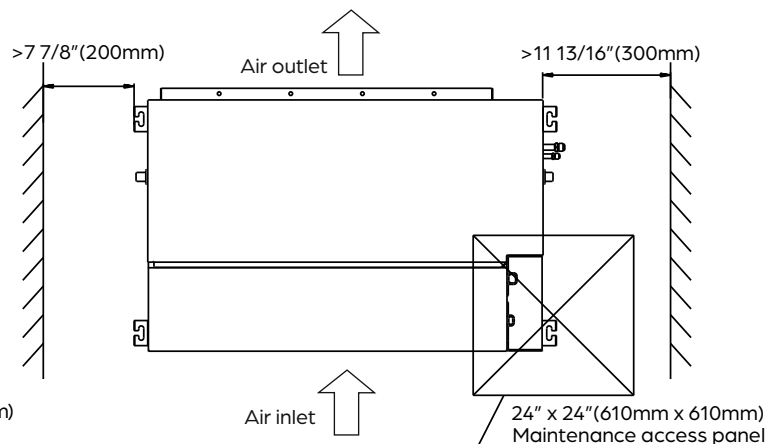
Ceiling mount clearances



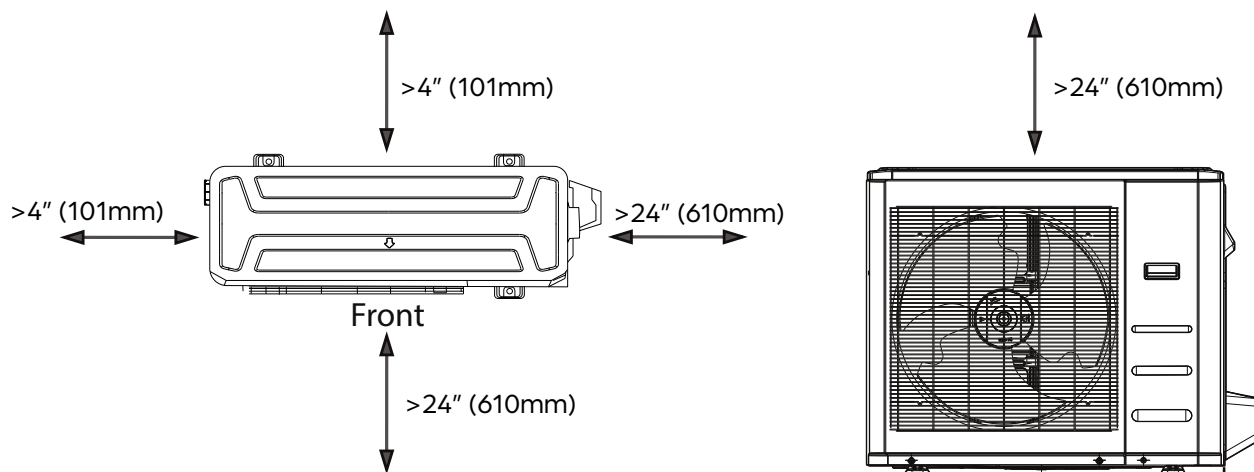
Wall mount (vertical) clearances



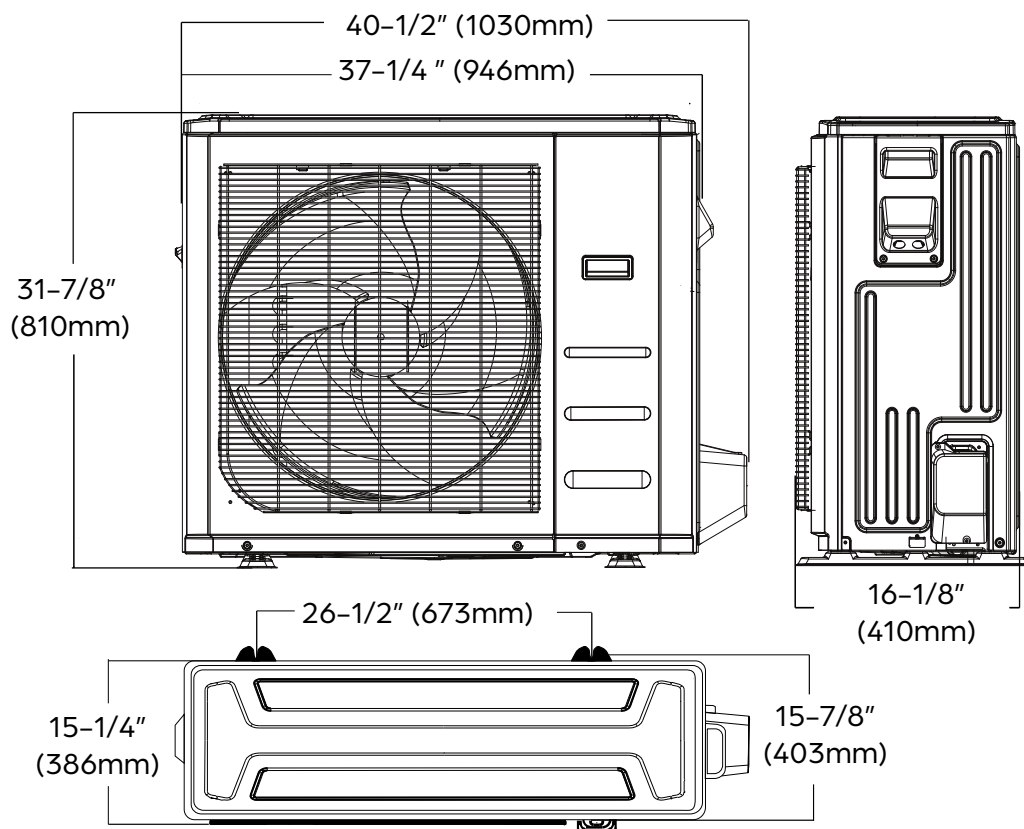
Maintenance access panel clearance



Clearances



Dimensions



NOTE

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