

PROJECT NAME _____

LOCATION _____

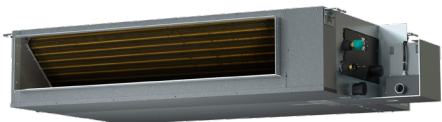
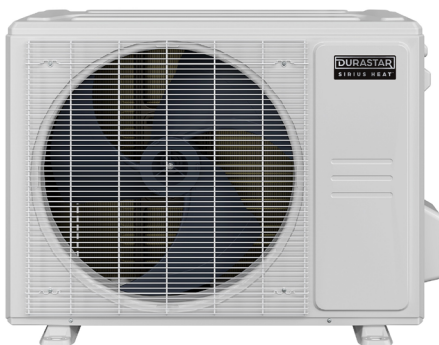
ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRADL18F2A	Outdoor Unit (ODU): DRA1H18S2A	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
- Horizontal and vertical installation
- External drain pump included (in horizontal installation only)
- Static pressure up to 0.4 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	17000
	at 109°F (43°C)	14000
	at 5°F (-15°C)	18000
	Cooling Range	6500~18800
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	19000
	Rated at 17°F (-8°C) ³	15000
	Rated at 5°F (-15°C) ⁴	18000
	at -13°F (-25°C)	11500
	at -22°F (-30°C)	9000
	Heating Range	8900~22000

SYSTEM DATA

Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	55.4 (1.6)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA

SEER2	18.0
EER2	12.0
HSPF2	10.5
COP at 47°F (8°C) ²	3.37
COP at 17°F (-8°C) ³	2.70
COP at 5°F (-15°C) ⁴	2.00

Specifications are subject to change without notice.

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Intertek



18,000 BTU/H LOW STATIC DUCTED HEAT PUMP SYSTEM

SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (in. (mm))	Ø1/4 (Ø6.35)
Gas (in. (mm))	Ø1/2 (Ø12.70)
Pre-Charge Length (ft. (m))	25 (7.5)
Minimum Length (ft. (m))	10 (3.0)
Maximum Length (ft. (m))	998(30.0)
Maximum Height Differential (ft. (m))	66 (20.0)
Additional Refrigerant (oz./ft (g/m))	0.16 (15)

OUTDOOR UNIT		
Unit Dimensions	Width	35-1/16 (890)
	Depth	13-7/16 (342)
	Height	26-1/2 (673)
Carton Dimensions	Width	39-3/16 (995)
	Depth	15-11/16 (398)
	Height	29-3/16 (740)
Net Weight (lbs. (kg))	99.9 (45.3)	
Gross Weight (lbs. (kg))	107.8 (48.9)	
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)	20	
Minimum Circuit Ampacity (Amps)	19.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	9.1	
Rated Current - Heating (Amps) ²	10.5	
Sound Pressure (dB(A))	59	

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)

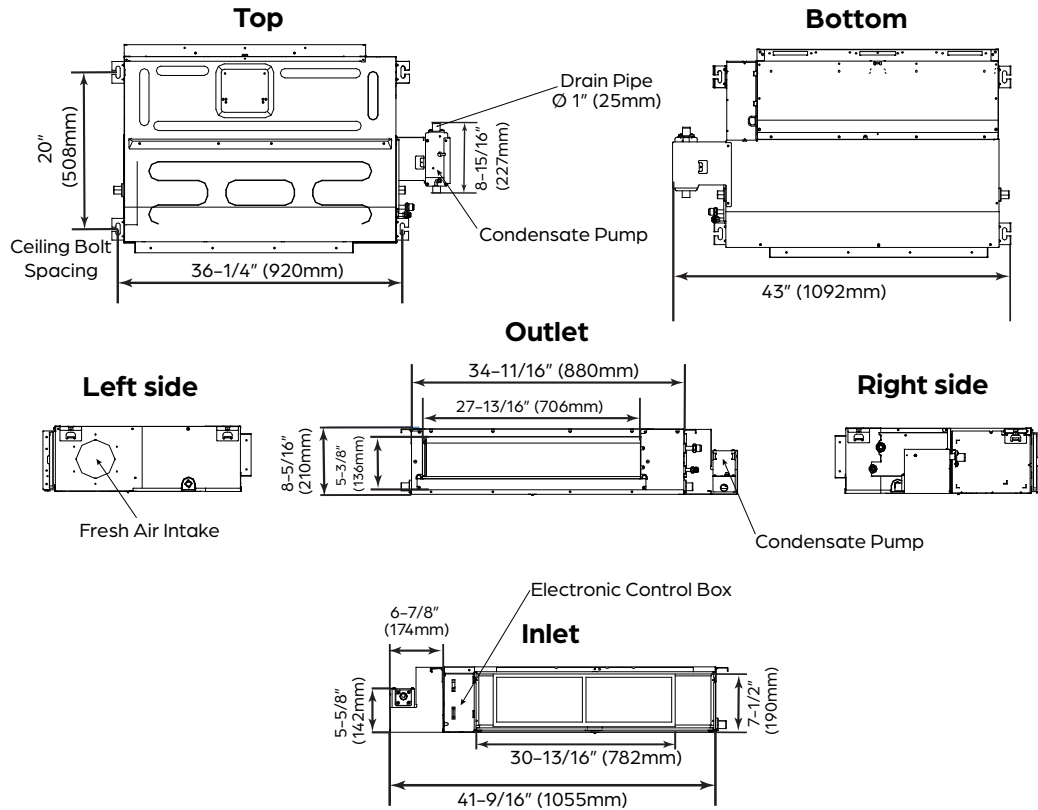
INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	34-11/16 (880)
	Depth	26-9/16 (674)
	Height	8-5/16 (210)
Carton Dimensions (in. (mm))	Width	42-3/16 (1070)
	Depth	28-9/16 (725)
	Height	11-1/16 (280)
Net Weight (lbs. (kg))	54.5 (24.7)	
Gross Weight (lbs. (kg))	66.1 (30.0)	
Indoor Unit Air Flow (CFM (m³/h))	Low	441 (750)
	Medium	500 (850)
	High	560 (950)
	Turbo	600 (1020)
Static Pressure (in. WC (Pa))	0 - 0.4 (0 - 100)	
Moisture Removal (Pints/day (L/h))	76.0 (1.5)	
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	32
	Low	38
	Medium	39
	High	40

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

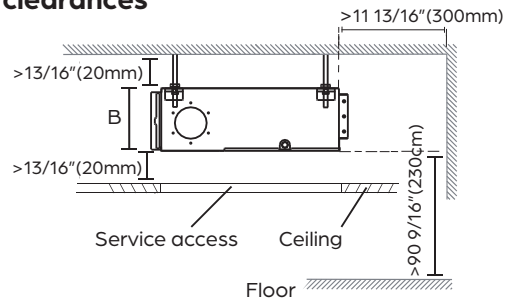
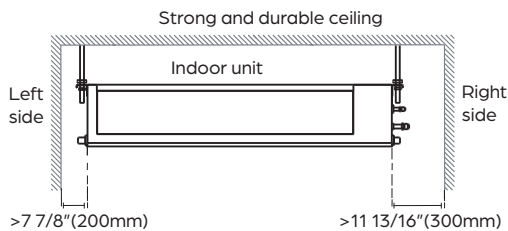
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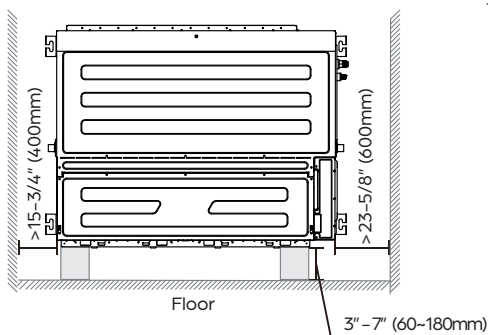
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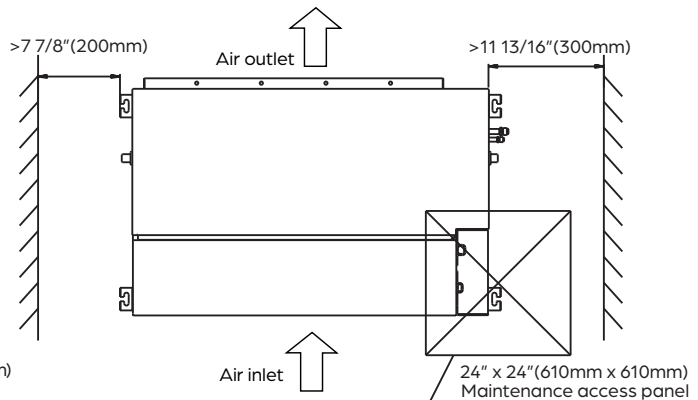
Ceiling mount clearances



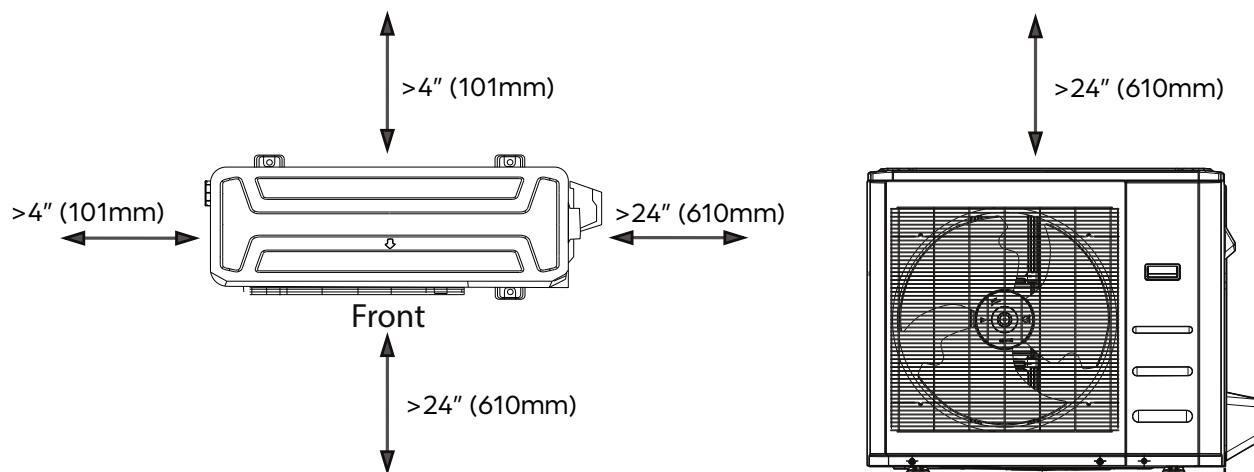
Wall mount (vertical) clearances



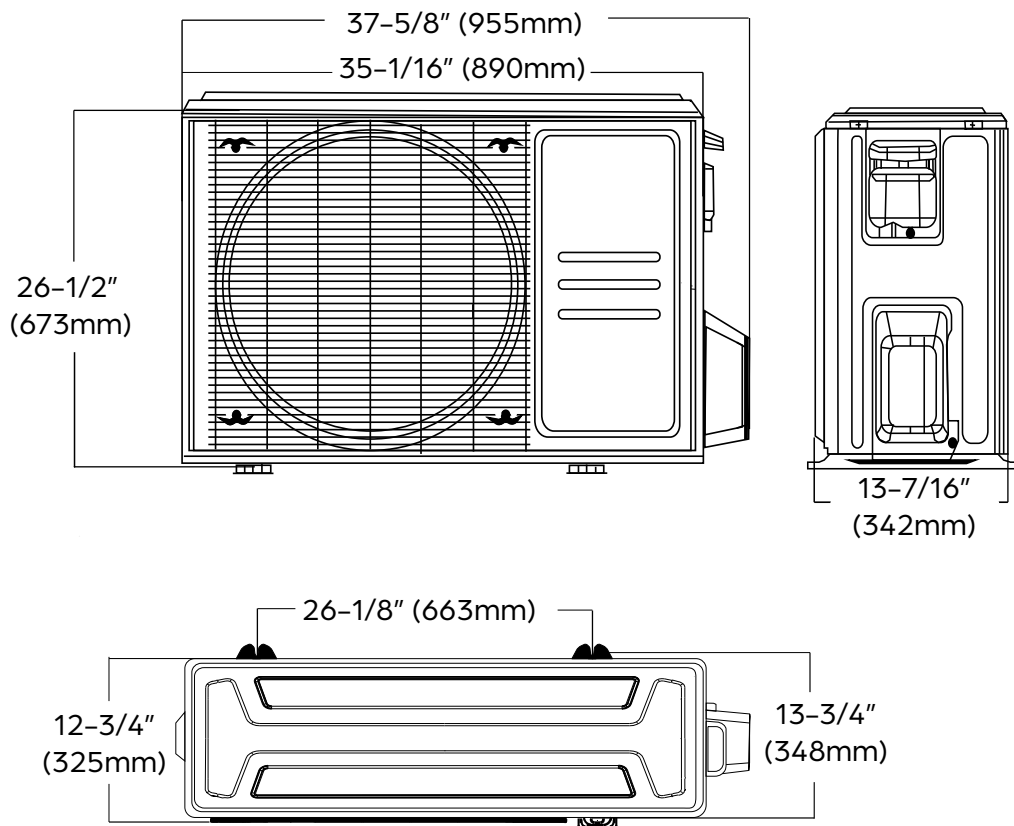
Maintenance access panel clearance



Clearances



Dimensions



NOTE

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