



12,000 BTU/H LOW STATIC DUCTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____

ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRADL0612F2A	Outdoor Unit (ODU): DRA1U12S2A	Wired Thermostat: DRSTAT101
		

PRODUCT FEATURES

- 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
- Low ambient heating down to -13 °F
- Low ambient cooling down to -13 °F
- Included base pan heater
- Anti-corrosive fin coating

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F (35°C) ¹	11500
	at 109° (43°C)	10900
	at 5° (-15°C)	12100
	Cooling Range	3100~13000
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	12000
	Rated at 17°F (-8°C) ³	9500
	Rated at 5°F ⁴	8800
	at -13° (-25°C)	5700
	Heating Range	3700~15600

SYSTEM DATA	
Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	32.5 (0.9)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	
SEER2	19.0
EER2	11.7
HSPF2	10.2
COP at 47°F (8°C) ²	10.20
COP at 17°F (-8°C) ³	2.57
COP at 5°F (-15°C) ⁴	2.25





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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 (in. (mm))	Width	30-1/8 (765)
	Depth	11-15/16 (303)
	Height	21-7/8 (555)
Carton Dimensions (in. (mm))	Width	34-15/16 (887)
	Depth	13-5/16 (337)
	Height	24 (610)
Net Weight (lbs. (kg))	62.2 (28.2)	
Gross Weight (lbs. (kg))	67.7 (30.7)	
Cooling Operating Temp. (°F (°C))	-13 - 122 (-25 - 50)	
Heating Operating Temp. (°F (°C))	-13 - 75 (-25 - 24)	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	12.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	4.5	
Rated Current - Heating (Amps) ²	4.7	
Sound Pressure (dB(A))	56	

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)

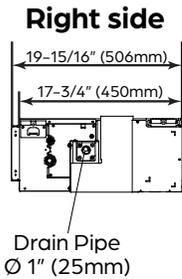
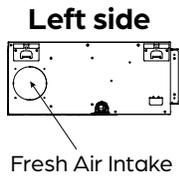
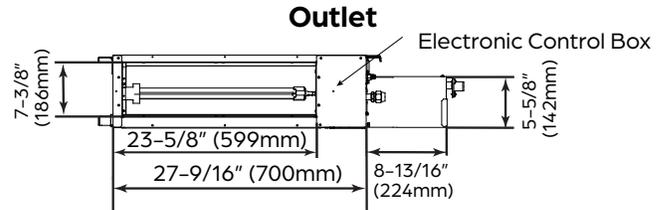
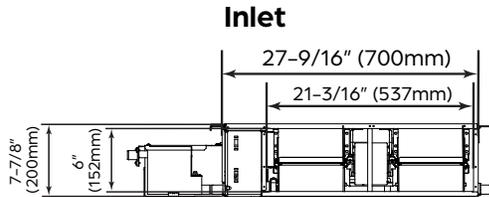
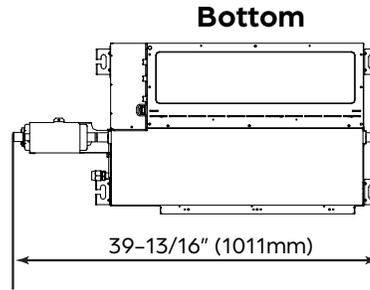
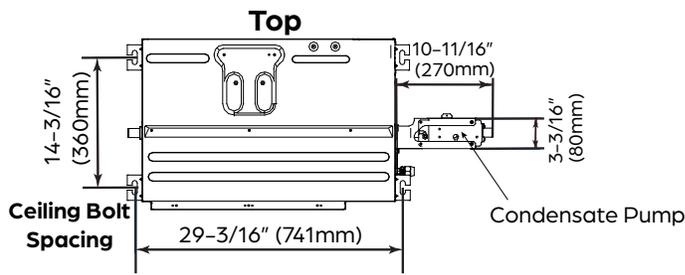
INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	27-9/16 (700)
	Depth	19-15/16 (506)
	Height	7-7/8 (200)
Carton Dimensions (in. (mm))	Width	33-7/8 (860)
	Depth	21-5/16 (540)
	Height	11-1/4 (285)
Net Weight (lbs. (kg))	39.5 (17.9)	
Gross Weight (lbs. (kg))	46.7 (21.2)	
Indoor Unit Air Flow (CFM (m³/h))	Silent	118 (200)
	Low	177 (300)
	Medium	265 (450)
	High	324 (550)
	Turbo	400 (680)
Static Pressure (in. WC (Pa))	0 - 0.4 (0 - 100)	
Moisture Removal (Pints/day (L/h))	50.7 (1.0)	
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	26
	Low	34
	Medium	35
	High	37
	Turbo	N/A

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz. (ml))	10.5 (310)

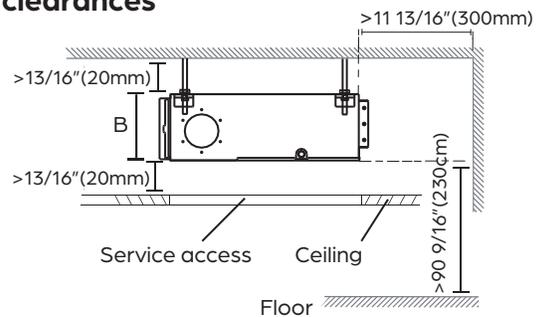
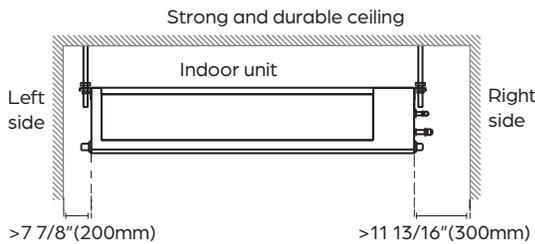


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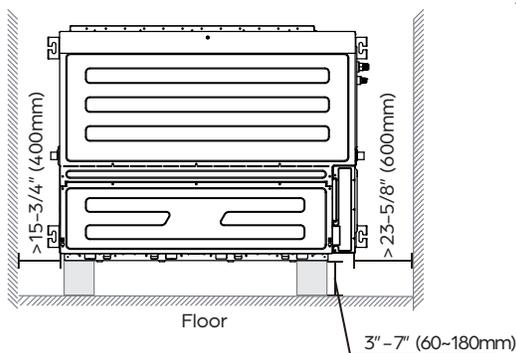
IDU DIMENSIONS - DRADL0612F2A



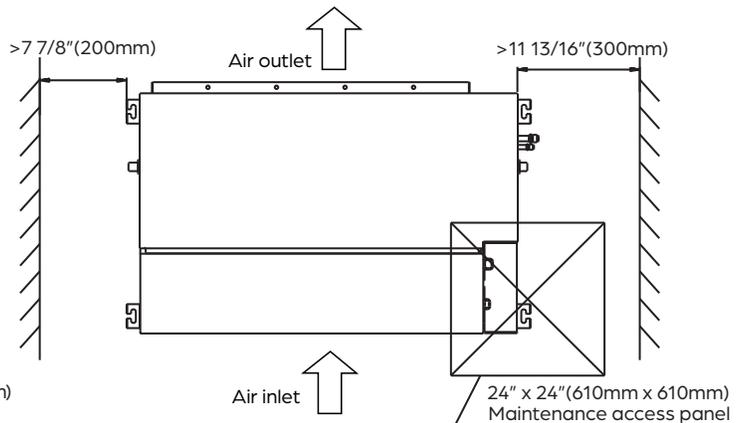
Ceiling mount clearances



Wall mount (vertical) clearances



Maintenance access panel clearance

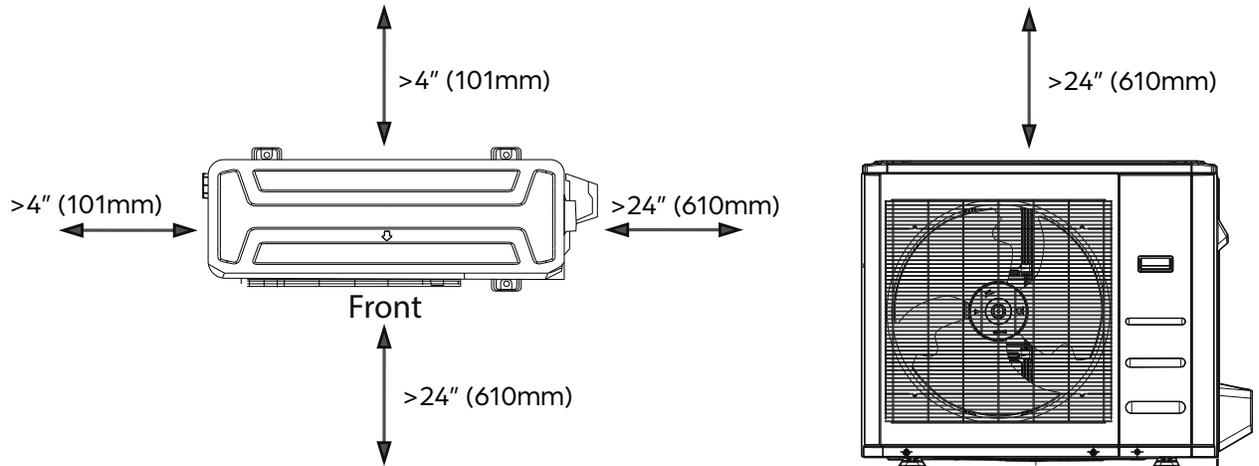




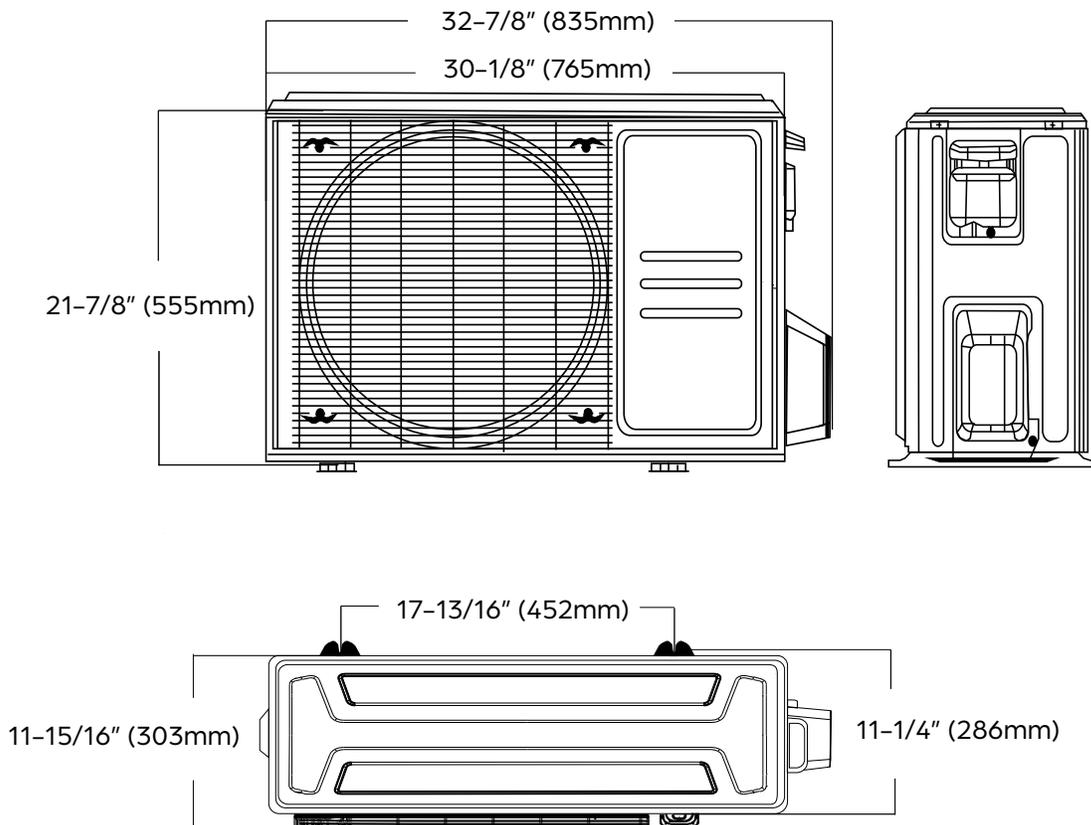
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ODU DIMENSIONS - DRA1U12S2A

Clearances



Dimensions



NOTE

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