



12,000 BTU/H ONE-WAY CASSETTE HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____

ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAL0612F2A	Outdoor Unit (ODU): DRA1U12S2A	Wireless Remote Control
		

PRODUCT FEATURES

- Low ambient heating down to -13°F
- Low ambient cooling down to -13°F
- A2L refrigerant detection system
- Variable speed inverter compressor
- Quiet operation
- Wireless remote control with "Follow Me" technology
- Turbo, ECO, Active Clean, Sleep modes and more
- Humidity control
- Auto restart
- 46°F freeze protection
- Included base pan heater
- Anti-corrosive fin coating
- Compatible with DRSTAT101 wired thermostat
- Grille included

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	20.0
EER2	12.5
HSPF2	10.5
COP at 47°F (8°C) ²	3.40
COP at 17°F (-8°C) ³	2.77
COP at 5°F (-15°C) ⁴	2.48

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F (35°C) ¹	12000
	at 109° (43°C)	12400
	at 5° (-15°C)	14400
	Cooling Range	3900~13800
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	12000
	Rated at 17°F (-8°C) ³	8600
	Rated at 5°F ⁴	8600
	at -13° (-25°C)	5000
	Heating Range	4700~15300

Specifications are subject to change without notice.

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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 Ph, 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	4.4	
Rated Current - Heating (Amps) ²	4.7	
Sound Pressure (dB(A))	55	

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)

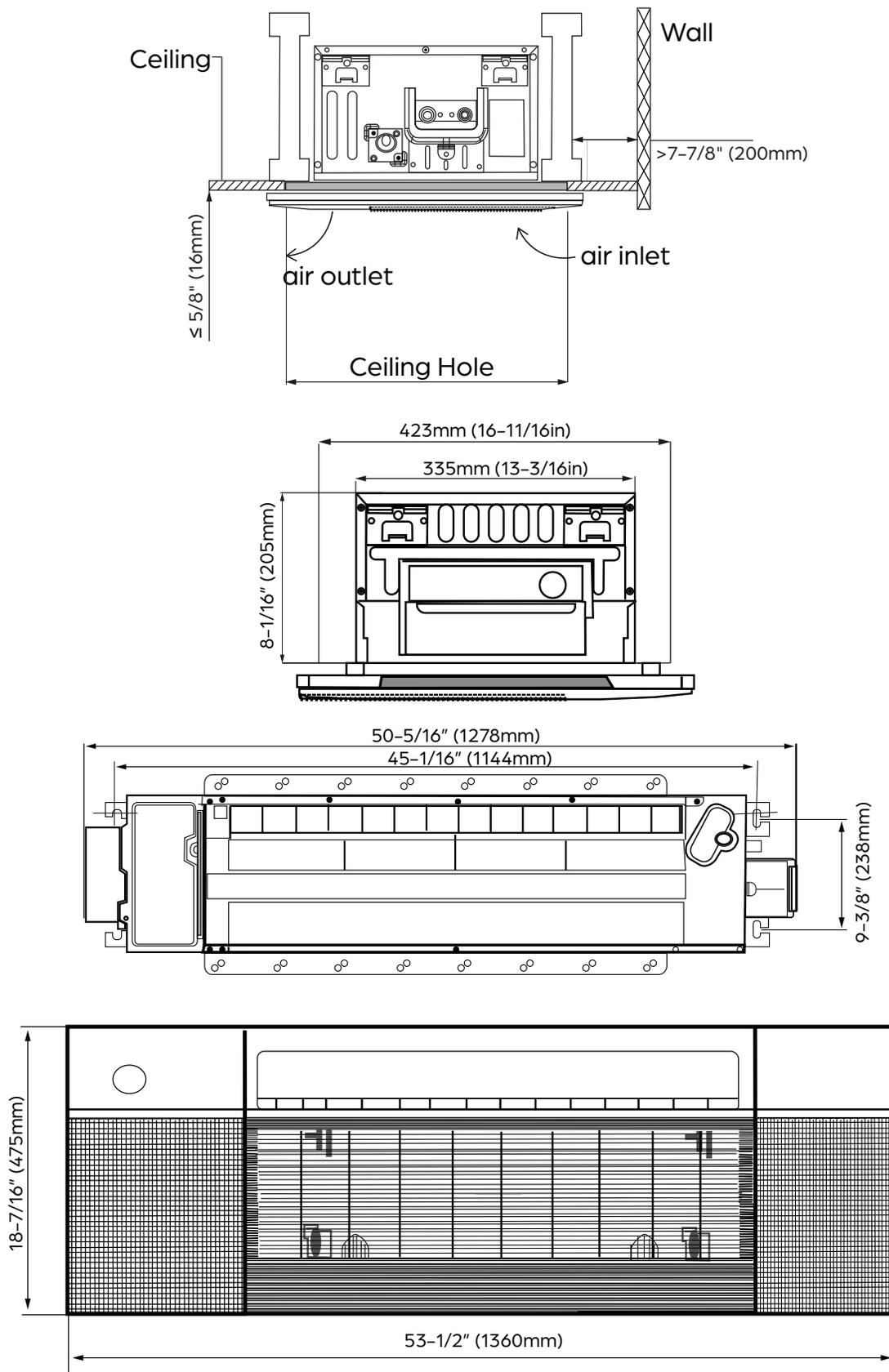
INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	50-5/16 (1278)
	Depth	13-3/16 (335)
	Height	9 (228)
Carton Dimensions (in. (mm))	Width	57-5/8 (1463)
	Depth	22-1/2 (571)
	Height	22-11/16 (575)
Net Weight (lbs. (kg))	45.2 (20.5)	
Gross Weight (lbs. (kg))	82.5 (37.4)	
Indoor Unit Air Flow (CFM (m³/h))	Silent	177 (300)
	Low	247 (420)
	Medium	283 (480)
	High	312 (530)
	Turbo	353 (600)
Moisture Removal (Pints/day (L/h))	76 (1.5)	
Field Supplied Drain Pipe O.D. (in. (mm))	Ø1 (Ø25)	
Drain Pump Lift (in. (mm))	29-1/2 (750)	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	3.0	
Sound Pressure (dB(A))	Silent	22
	Low	26
	Medium	38
	High	43

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



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IDU DIMENSIONS - DRAL0612F2A

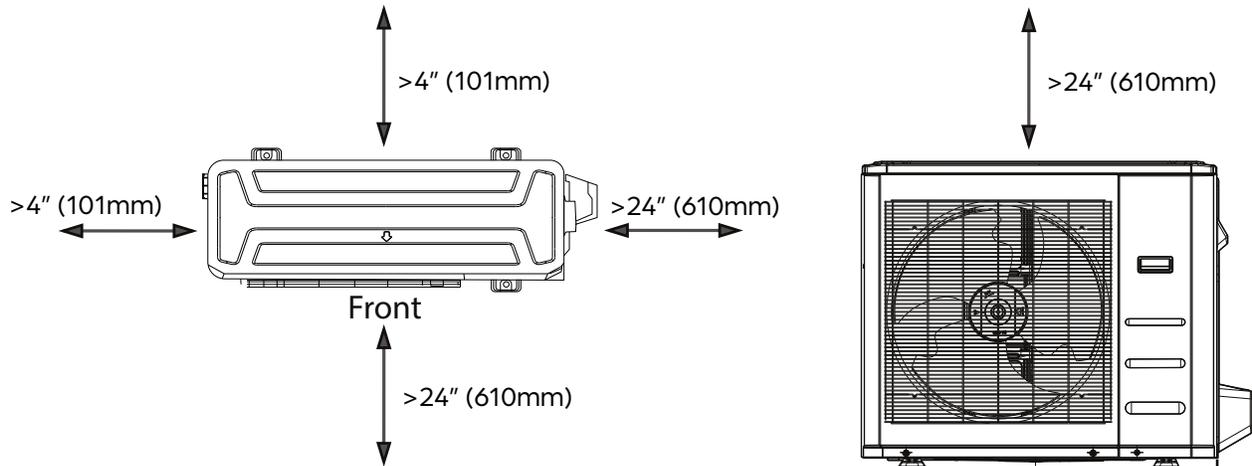




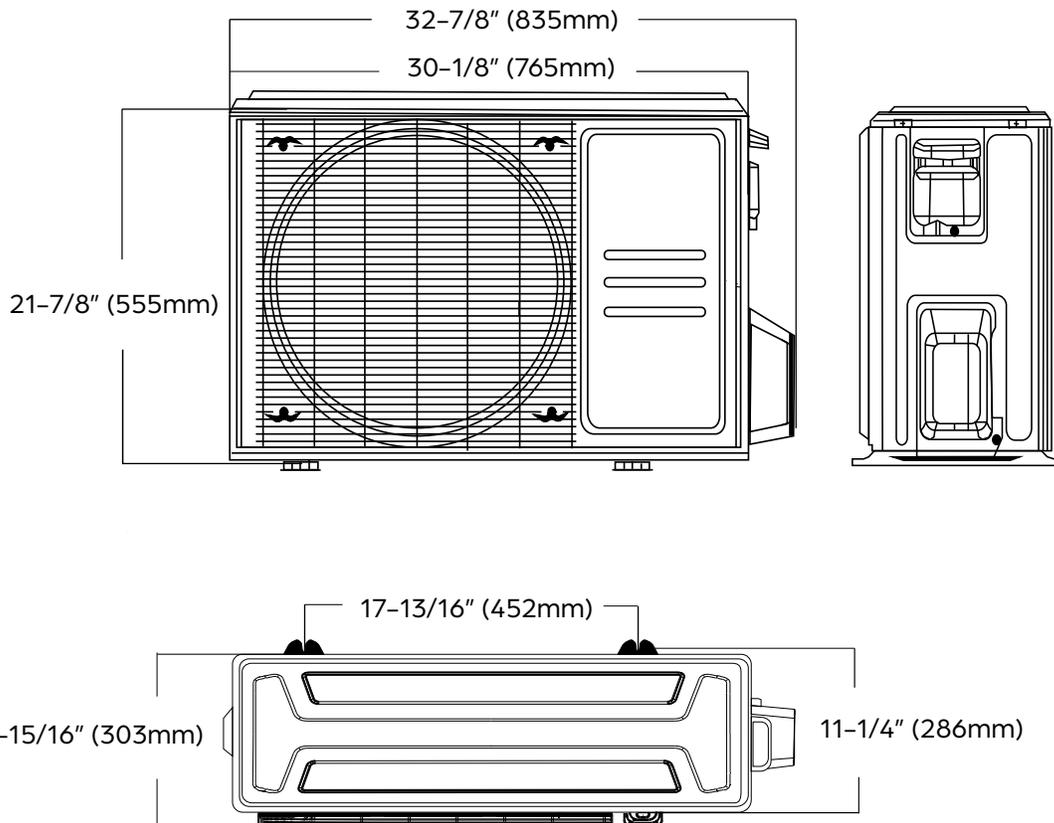
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ODU DIMENSIONS - DRA1U12S2A

Clearances



Dimensions



NOTE

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