



24,000 BTU/H CEILING CASSETTE HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____





ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAC24F2A	Panel: DRACPANB1B*	Outdoor Unit (ODU): DRA1U24S2A	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
- *Panel sold separately

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F (35°C) ¹	24000
	at 109° (43°C)	21000
	at 5° (-15°C)	23800
	Cooling Range	12300~26800
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	25000
	Rated at 17°F (-8°C) ³	20400
	Rated at 5°F ⁴	18500
	at -13° (-25°C)	10400
	Heating Range	11600~33100

SYSTEM DATA

Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	70.6 (2.0)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA

SEER2	22.0
EER2	12.0
HSPF2	10.5
COP at 47°F (8°C) ²	3.20
COP at 17°F (-8°C) ³	2.73
COP at 5°F (-15°C) ⁴	2.30



Intertek

Specifications are subject to change without notice.

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SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (in. (mm))	Ø3/8" (Ø9.52)
Gas (in. (mm))	Ø5/8" (Ø13.02)
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 (in. (mm))	Width	37-1/4 (946)
	Depth	16-1/8 (410)
	Height	31-7/8 (810)
Carton Dimensions (in. (mm))	Width	42-15/16 (1090)
	Depth	19-11/16 (500)
	Height	34-7/8 (885)
Net Weight (lbs. (kg))	122.1 (55.4)	
Gross Weight (lbs. (kg))	132.3 (60.0)	
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 (V)	187-253	
Recommended Breaker (Amps)	25	
Minimum Circuit Ampacity (Amps)	24.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	8.8	
Rated Current - Heating (Amps) ²	10.2	
Sound Pressure (dB(A))	60	

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)

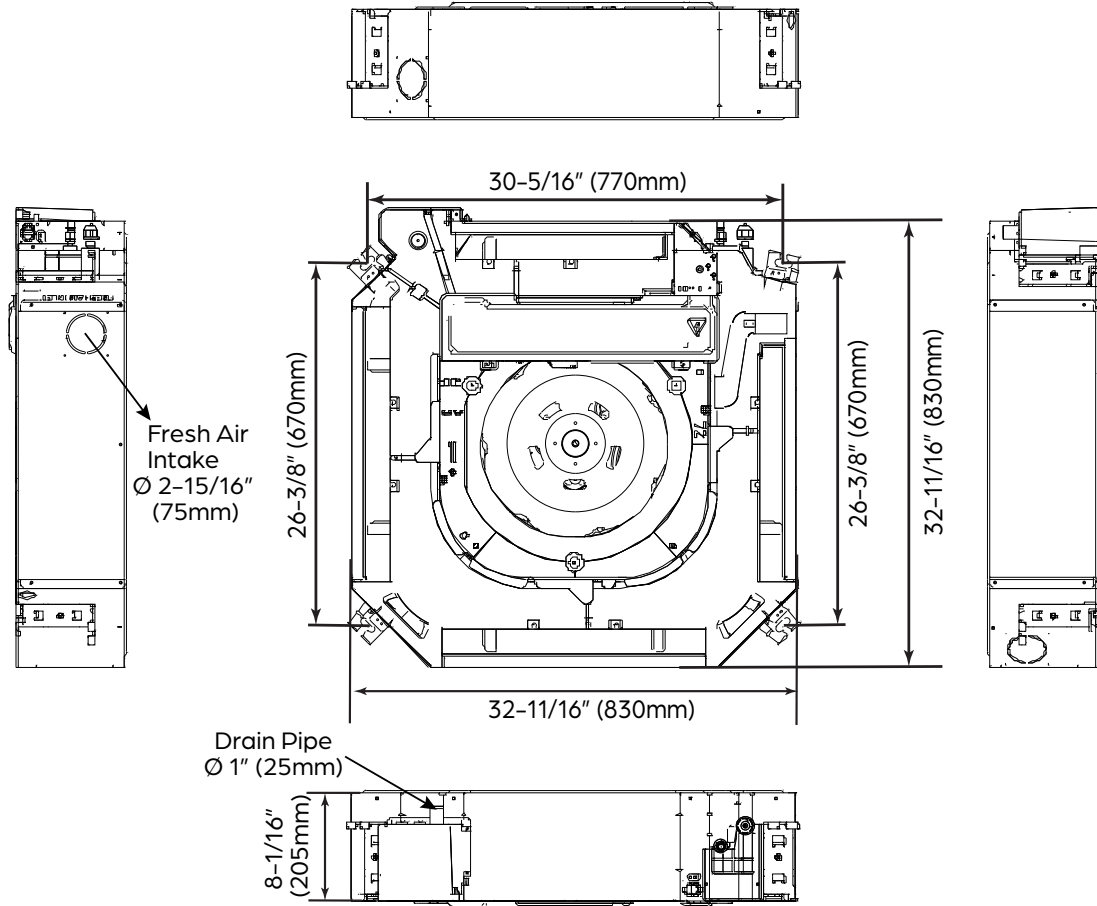
INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	32-11/16 (830)
	Depth	32-11/16 (830)
	Height	8-1/16 (205)
Carton Dimensions (in. (mm))	Width	35-7/8 (910)
	Depth	35-7/8 (910)
	Height	9-7/8 (250)
Net Weight (lbs. (kg))	47.2 (21.4)	
Gross Weight (lbs. (kg))	59.1 (26.8)	
Indoor Unit Air Flow (CFM (m³/h))	Silent	N/A
	Low	547 (930)
	Medium	636 (1080)
	High	706 (1200)
	Turbo	765 (1300)
Moisture Removal (Pints/day (L/h))	131.8 (2.6)	
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	31
	Low	34
	Medium	43
	High	46
	Turbo	N/A

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

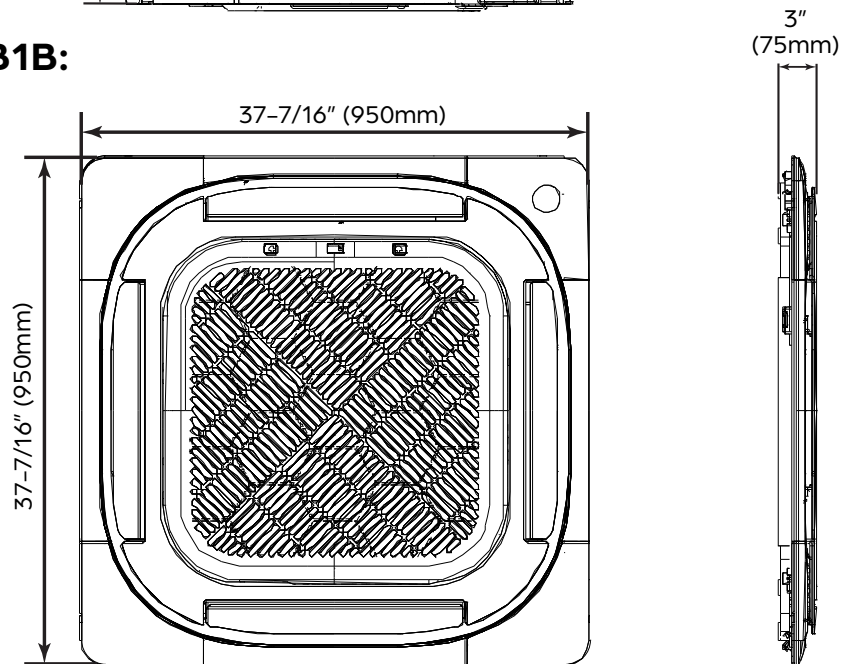


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IDU DIMENSIONS - DRAC24F2A



DRACPANB1B:

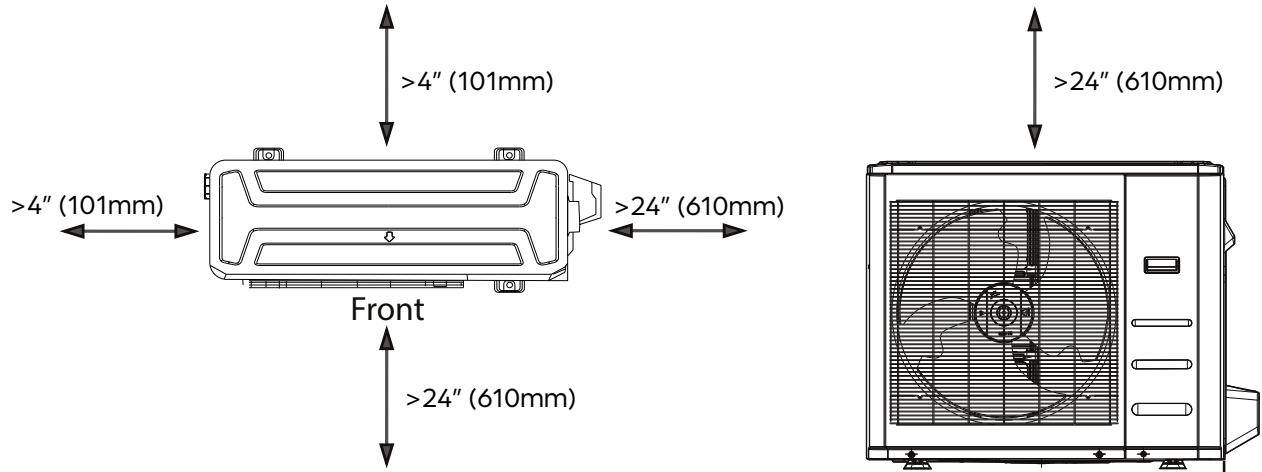




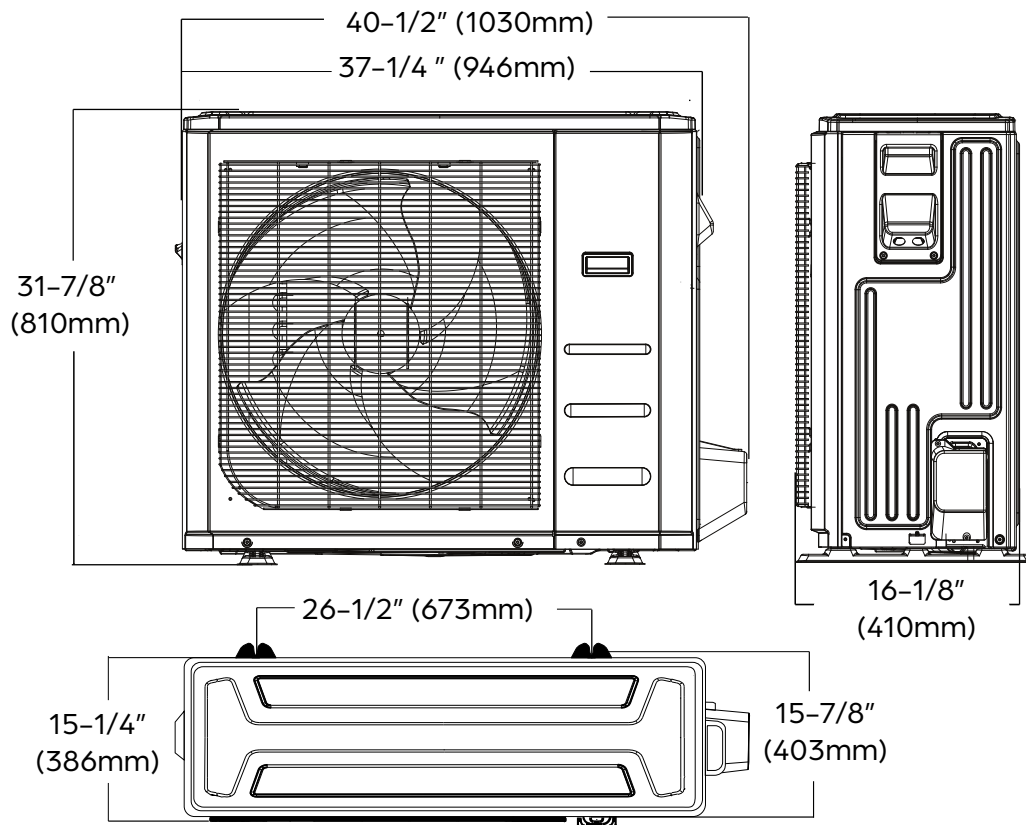
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ODU DIMENSIONS - DRA1U24S2A

Clearances



Dimensions



NOTE

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