



# 24,000 BTU/H CEILING MOUNTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME \_\_\_\_\_

LOCATION \_\_\_\_\_





ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

SUBMITTED BY \_\_\_\_\_ DATE \_\_\_\_\_

Indoor Unit (IDU): DRAC24F1B	Panel: DRACPANB1A	Outdoor Unit (ODU): DRA1U24S1B	Wireless Remote Control
			

## PRODUCT FEATURES

- Wireless Remote Control with "Follow Me" Technology
- Variable Speed Inverter Compressor
- Auto Restart
- Sleep Mode
- Turbo Mode
- 24-Hour Timer Feature
- Quiet operation
- 46°F Freeze Protection
- Low ambient heating down to -13 °F
- Low ambient cooling down to 5 °F
- Included base pan heater
- Refrigerant leak detection
- Anti-corrosive fin coating

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95 °F	24000
	Minimum	8130
	Maximum	26272
Heating Capacity (BTU/hr)	Rated at 47 °F	25000
	Rated at 5 °F	16000
	Minimum	10650
	Maximum	30000

SYSTEM DATA	
Refrigerant Type	R-410A
Refrigerant Charge (oz.)	82.89
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	
SEER2	21.5
EER2	12.5
HSPF2	10.5
SEER	20.7
EER	12.5
HSPF	10.5
COP at 47 °F	3.26
COP at 5 °F	2.12





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SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø3/8" (Ø9.52mm)
Gas	Ø5/8" (Ø15.87mm)
Pre-Charge Length	25'
Minimum Length	10'
Maximum Length	164'
Maximum Height Differential	82'
Additional Refrigerant (oz./ft)	0.32

OUTDOOR UNIT		
Unit Dimensions	Width	37 1/4"
	Depth	16 1/8"
	Height	31 7/8"
Carton Dimensions	Width	42 15/16"
	Depth	19 11/16"
	Height	34 13/16"
Net Weight	125	
Gross Weight	135	
Cooling Operating Temperature	5 °F - 122 °F	
Heating Operating Temperature	-13 °F - 75°F	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Recommended Breaker (Amps)	30	
Minimum Circuit Ampacity (Amps)	22	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) <sup>1</sup>	8.78	
Rated Current - Heating (Amps) <sup>2</sup>	10	
Sound Pressure (dB(A))	60	

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz.)	20.9 (620 ml)

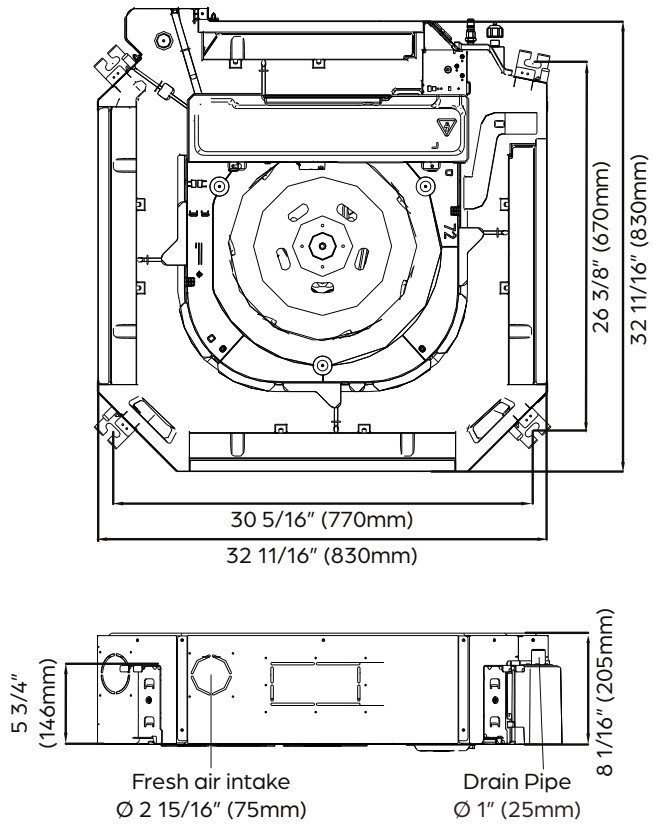
INDOOR UNIT		
Unit Dimensions	Width	32 11/16"
	Depth	32 11/16"
	Height	8 1/16"
Carton Dimensions	Width	35 13/16"
	Depth	35 13/16"
	Height	9 13/16"
Net Weight	47 lbs.	
Gross Weight	55 lbs.	
Indoor Unit Air Flow (CFM)	Low	547
	Medium	635
	High	706
Moisture Removal (Pints/day)	133.92	
Drain Port O.D.	Ø5/8" (Ø16mm)	
Drain Pump Lift	29 1/2"	
Recommended Breaker (Amps)	15	
Sound Pressure (dB(A))	Low	43
	Medium	46
	High	49

<sup>1</sup> Measured at 95 °F.  
<sup>2</sup> Measured at 47 °F.

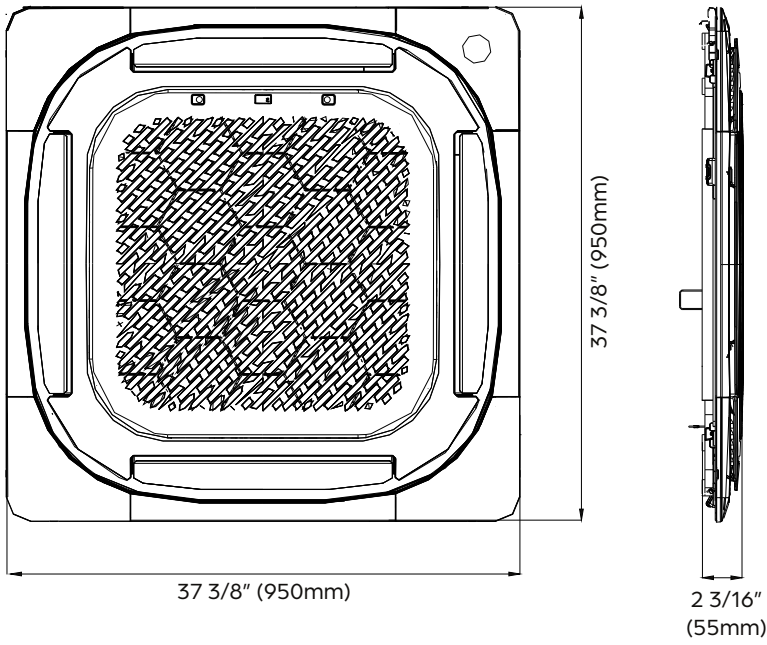


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IDU DIMENSIONS - DRAC24F1B



## DRACPANB1B:

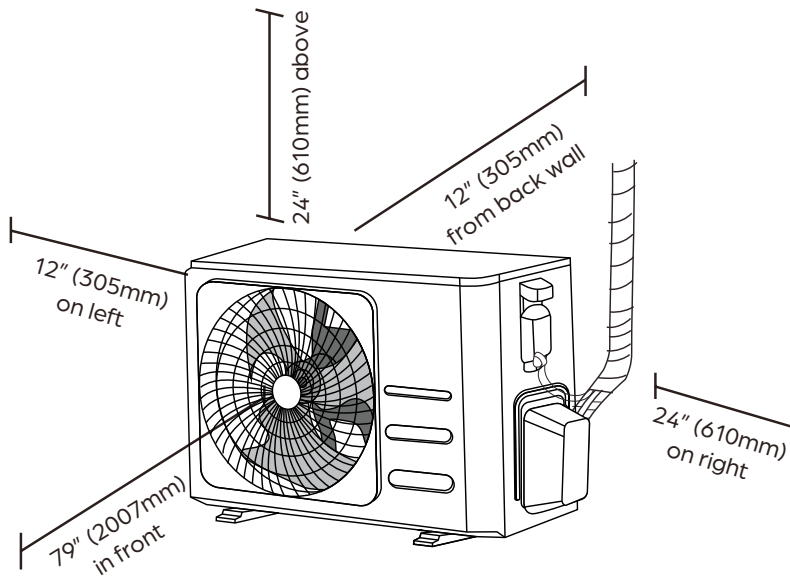




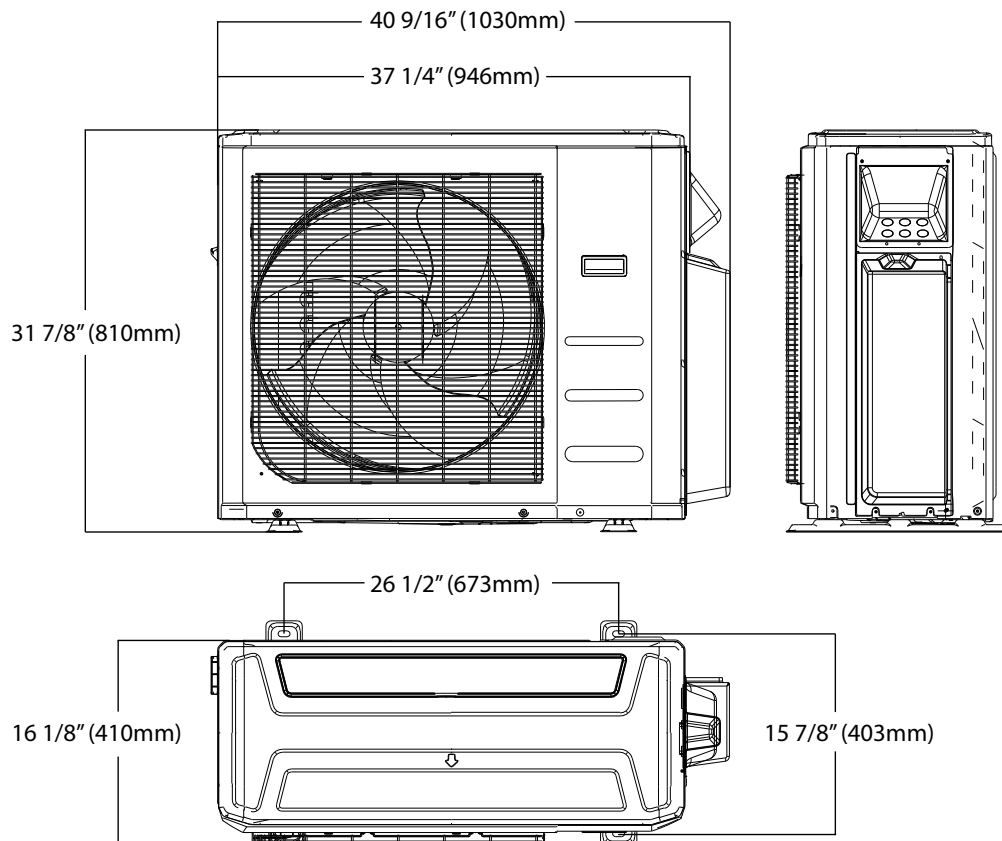
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ODU DIMENSIONS - DRA1U24S1B

## Clearances



## Dimensions



### NOTE

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