



24,000 BTU/H DUCTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____

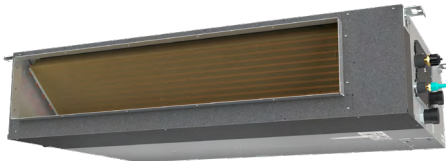


ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAD24F1A	Outdoor Unit (ODU): DRA1U24S1B	Wired Thermostat
		

PRODUCT FEATURES

- Wired thermostat included
- Variable Speed Inverter Compressor
- Auto Restart
- Turbo Mode
- 24-Hour Timer Feature
- Quiet operation
- 46°F Freeze Protection
- Low ambient cooling and 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	6100
	Maximum	28200
Heating Capacity (BTU/hr)	Rated at 47 °F	24600
	Maximum at 5 °F	15688
	Minimum	11700
	Maximum	33000

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	19.00
EER2	12.50
HSPF2	11.20
SEER	21.50
EER	12.60
HSPF	11.20
COP at 47 °F	3.52
COP at 5 °F	2.07





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SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø3/8" (Ø9.52mm)
Gas	Ø5/8" (Ø13.02mm)
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 7/8"
	Depth	19 11/16"
	Height	34 13/16"
Net Weight	125 lbs.	
Gross Weight	135 lbs.	
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) ¹	8.8	
Rated Current - Heating (Amps) ²	9.3	
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	43"
	Depth	30"
	Height	10"
Carton Dimensions	Width	51"
	Depth	32"
	Height	12 7/16"
Net Weight	90 lbs.	
Gross Weight	106 lbs.	
Indoor Unit Air Flow (CFM)	Low	434
	Medium	693
	High	775
Drain Port O.D.	1" (Ø25mm)	
Drain Pump Lift	21 5/8"	
Recommended Breaker (Amps)	15	
Sound Pressure (dB(A))	Low	37
	Medium	41
	High	44

¹ Measured at 95 °F.

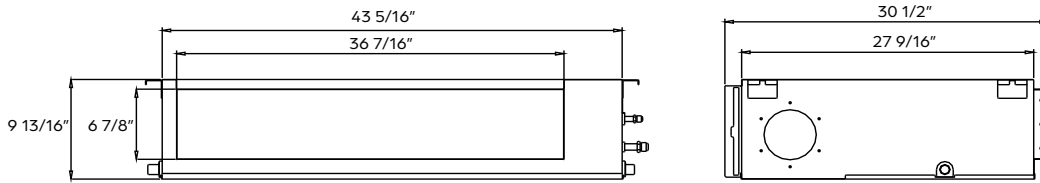
² Measured at 47 °F.



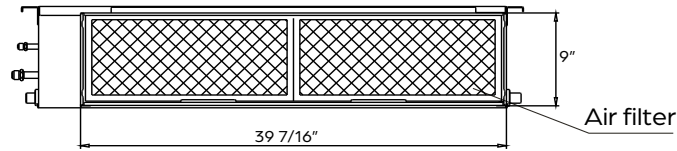
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IDU DIMENSIONS - DRAD24F1A

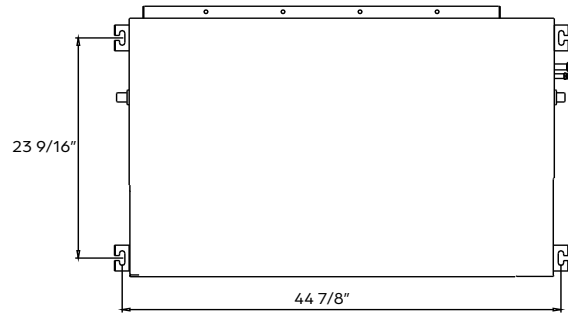
Unit and air outlet dimensions



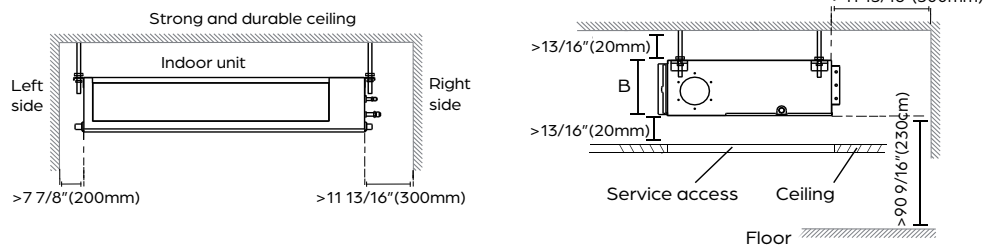
Air inlet dimensions



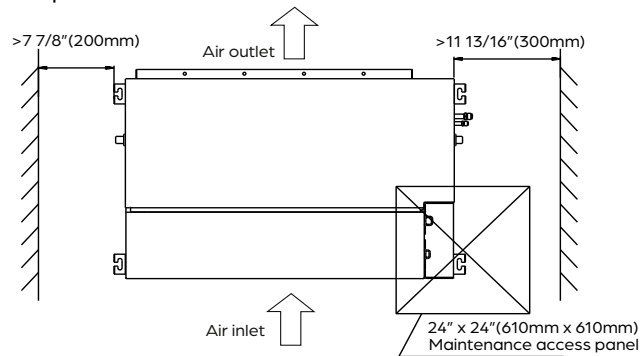
Mounting dimensions for ceiling bolts



Installation clearances



Maintenance access panel

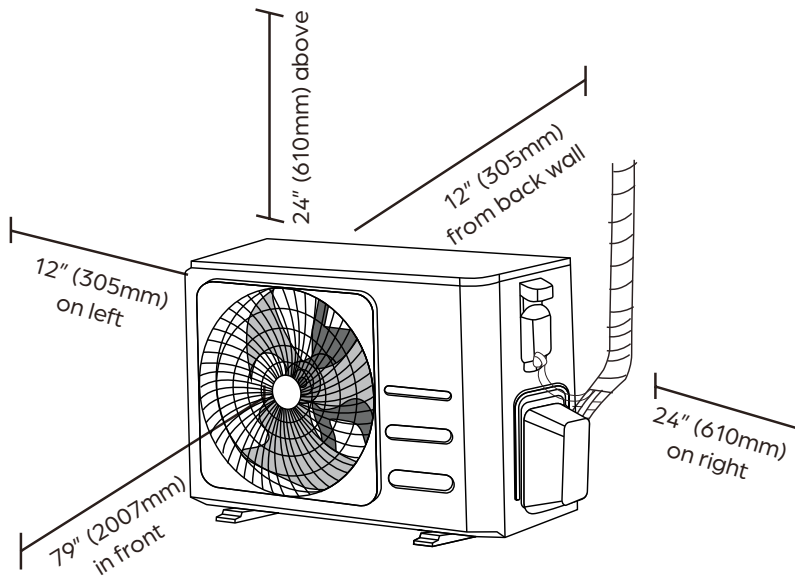




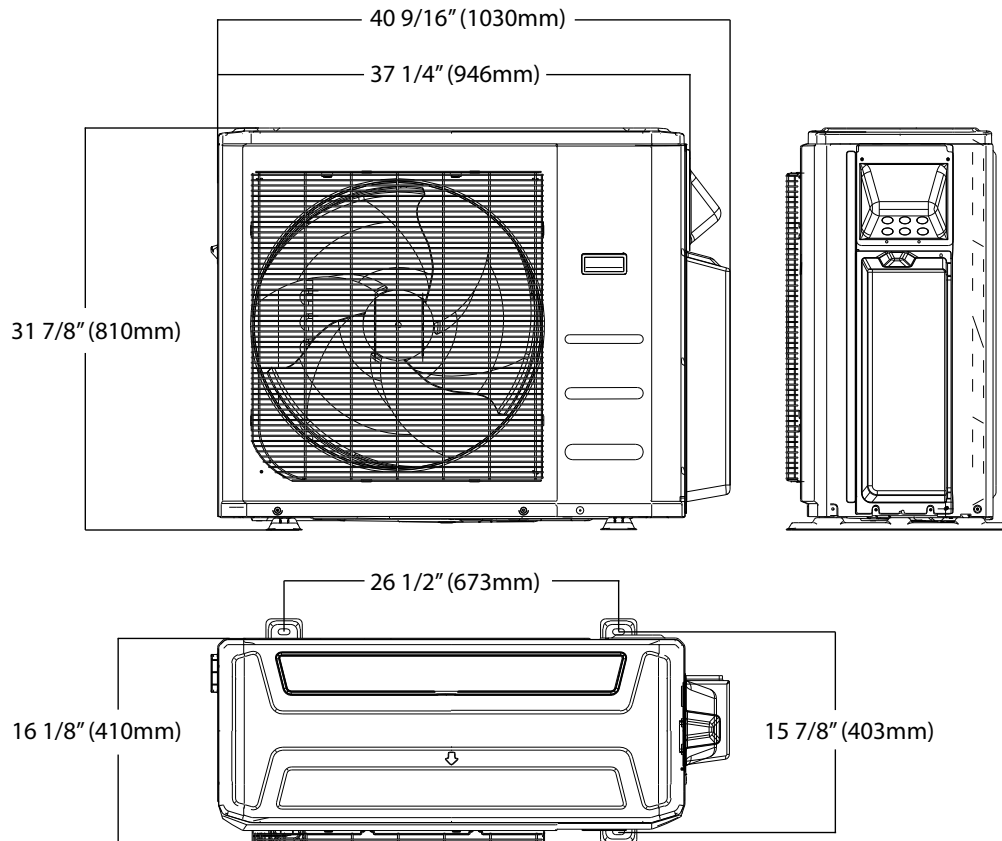
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ODU DIMENSIONS - DRA1U24S1B

Clearances



Dimensions



NOTE

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