



18,000 BTU/H CEILING MOUNTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____





ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAC181F1A	Panel: DRACPANA1A	Outdoor Unit (ODU): DRA1U18S1B	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	16000
	Minimum	5600
	Maximum	16000
Heating Capacity (BTU/hr)	Rated at 47 °F	18500
	Maximum at 5 °F	9500
	Minimum	7700
	Maximum	18500

SYSTEM DATA	
Refrigerant Type	R-410A
Refrigerant Charge (oz.)	56.44
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	
SEER2	20.50
EER2	12.50
HSPF2	10.50
SEER	20.50
EER	12.50
HSPF	11.00
COP at 47 °F	2.78
COP at 5 °F	1.75





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SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø1/4" (Ø6.35mm)
Gas	Ø1/2" (Ø12.70mm)
Pre-Charge Length	25'
Minimum Length	10'
Maximum Length	98'
Maximum Height Differential	66'
Additional Refrigerant (oz./ft)	0.16

OUTDOOR UNIT		
Unit Dimensions	Width	35 1/16"
	Depth	13 7/16"
	Height	26 1/2"
Carton Dimensions	Width	39 3/16"
	Depth	15 11/16"
	Height	29 1/8"
Net Weight	94 lbs.	
Gross Weight	101 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)	25	
Minimum Circuit Ampacity (Amps)	17	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	6.01	
Rated Current - Heating (Amps) ²	8.21	
Sound Pressure (dB(A))	58.0	

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz.)	14.9 (440 ml)

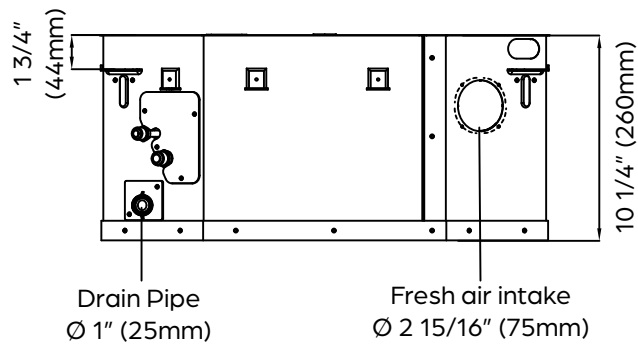
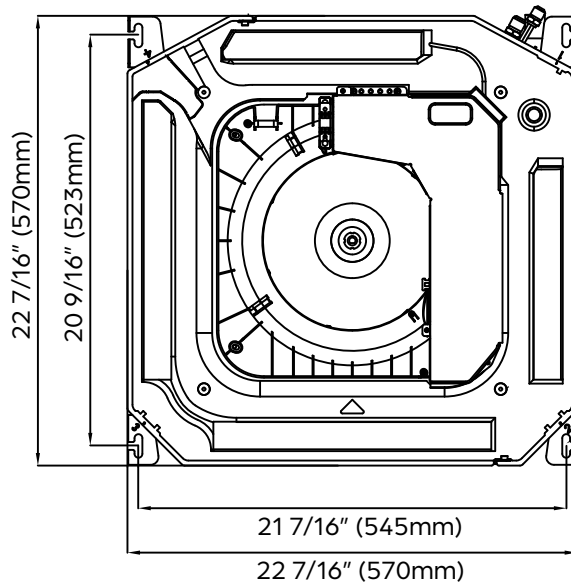
INDOOR UNIT		
Unit Dimensions	Width	22 7/16"
	Depth	22 7/16"
	Height	13 1/4"
Carton Dimensions	Width	26 1/2"
	Depth	26 1/2"
	Height	13 1/4"
Net Weight	36 lbs.	
Gross Weight	47 lbs.	
Indoor Unit Air Flow (CFM)	Low	439
	Medium	485
	High	562
Drain Port O.D.	Ø1" (25mm)	
Drain Pump Lift	29 1/2"	
Recommended Breaker (Amps)	15	
Sound Pressure (dB(A))	Low	35.5
	Medium	38.5
	High	43.5

¹ Measured at 95 °F.
² Measured at 47 °F.

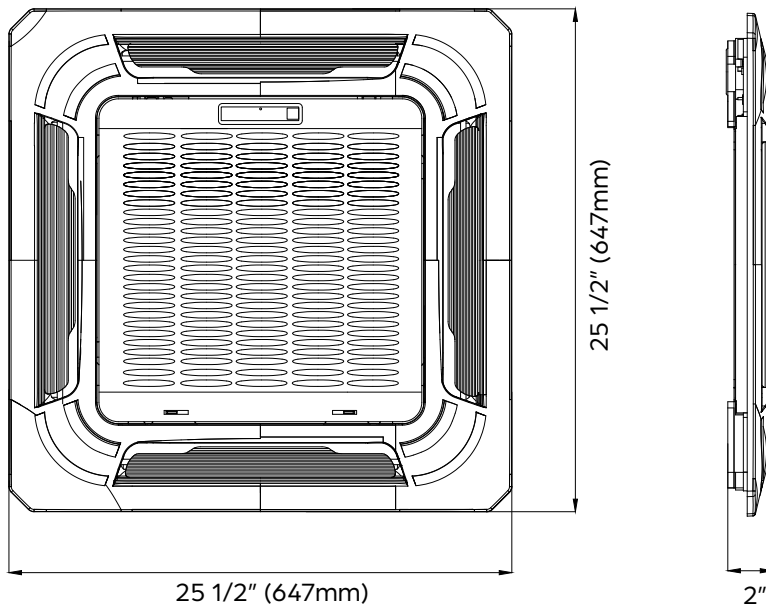


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IDU DIMENSIONS - DRAC18F1A



DRACPANA1A:

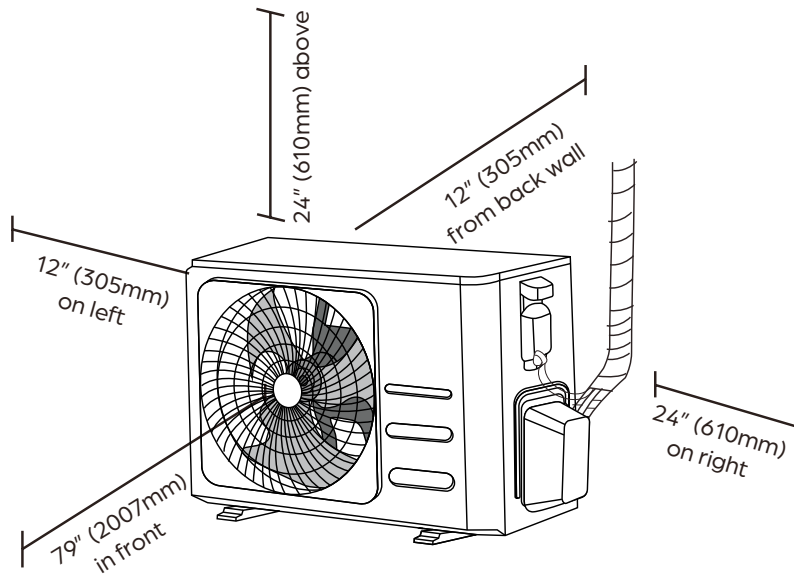




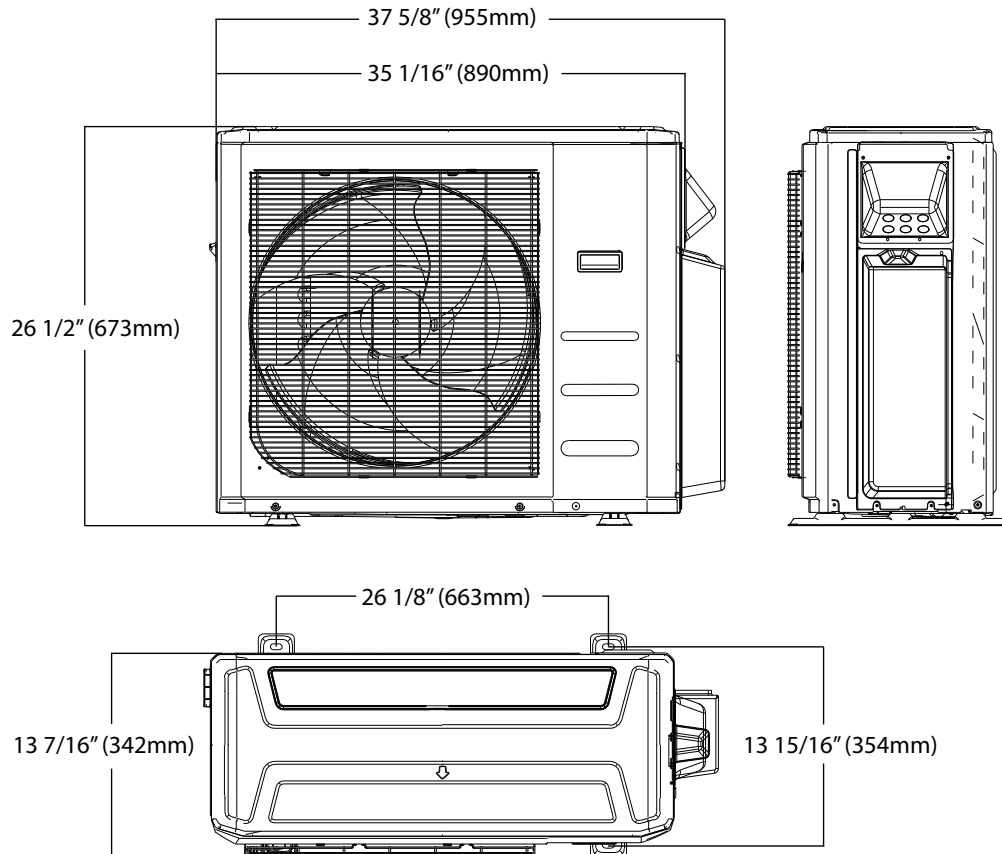
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ODU DIMENSIONS - DRA1U18S1B

Clearances



Dimensions



NOTE

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