



18,000 BTU/H FLOOR/CEILING HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____




ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAF18F1A	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
- Flexible installation for floor or ceiling

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	23.0
EER2	12.5
HSPF2	10.0
SEER	21.5
EER	12.5
HSPF	10.5
COP at 47 °F	2.9
COP at 5 °F	1.8

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95 °F	18000
	Minimum	6200
	Maximum	18000
Heating Capacity (BTU/hr)	Rated at 47 °F	20000
	Maximum at 5 °F	9700
	Minimum	8100
	Maximum	20000





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SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø1/4" (Ø6.35mm)
Gas	Ø1/2" (Ø12.7mm)
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	95 lbs.	
Gross Weight	102 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	6.29	
Rated Current - Heating (Amps) ²	8.51	
Sound Pressure (dB(A))	53	

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

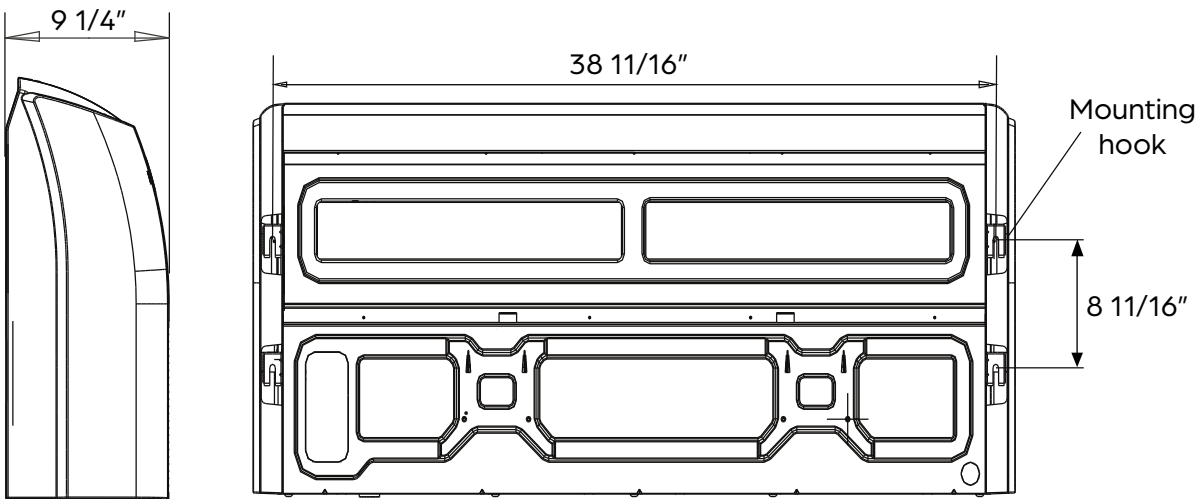
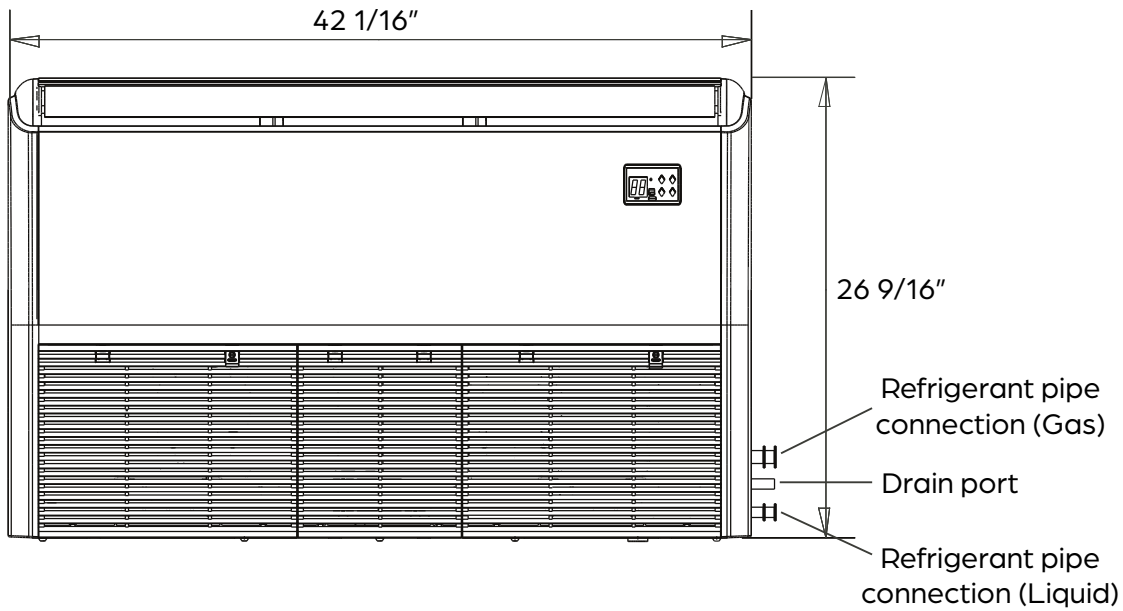
INDOOR UNIT		
Unit Dimensions	Width	42 1/16"
	Depth	26 9/16"
	Height	9 1/4"
Carton Dimensions	Width	45 1/16"
	Depth	29 3/4"
	Height	12 1/2"
Net Weight	57 lbs.	
Gross Weight	68 lbs.	
Indoor Unit Air Flow (CFM)	Low	421
	Medium	485
	High	548
Drain Port O.D.	Ø1" (Ø25mm)	
Recommended Breaker (Amps)	15	
Sound Pressure (dB(A))	Low	39
	Medium	44
	High	47

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



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IDU DIMENSIONS - DRAF18F1A

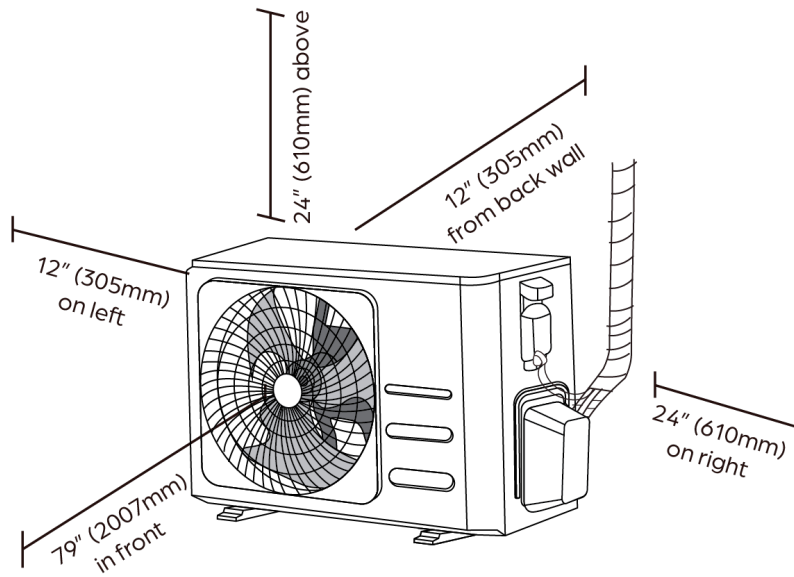




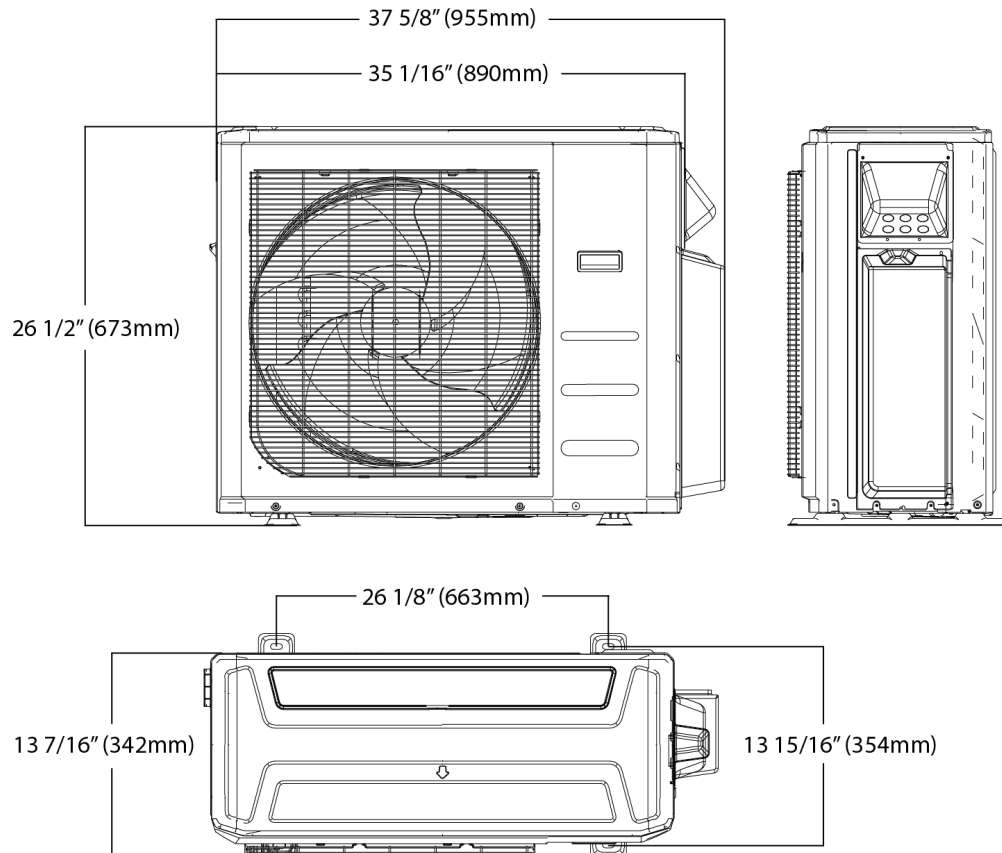
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ODU DIMENSIONS - DRA1U18S1B

Clearances



Dimensions



NOTE

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