



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

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____


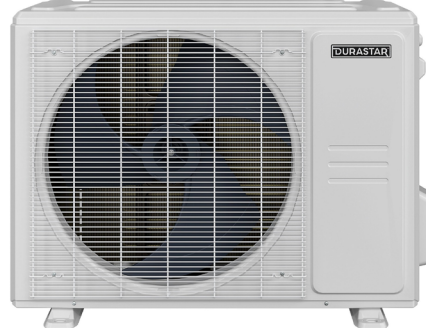

ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAF18F2A	Outdoor Unit (ODU): DRA1U18S2A	Wireless Remote Control
		

PRODUCT FEATURES

- Low ambient heating and cooling down to -13°F
- A2L refrigerant detection system
- Variable speed inverter compressor
- Quiet operation
- Wireless remote control with "Follow Me" technology
- Flexible installation for floor or ceiling
- 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

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F (35°C) ¹	18000
	at 109° (43°C)	14800
	at 5° (-15°C)	18600
	Cooling Range	7000~19300
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	18000
	Rated at 17°F (-8°C) ³	13700
	Rated at 5°F ⁴	12800
	at -13° (-25°C)	8400
	Heating Range	7200~22200

SYSTEM DATA

Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	48.0 (1.4)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA

SEER2	22.3
EER2	12.5
HSPF2	10.4
COP at 47°F (8°C) ²	3.30
COP at 17°F (-8°C) ³	2.51
COP at 5°F (-15°C) ⁴	2.05



Specifications are subject to change without notice.

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SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (in. (mm))	Ø1/4 (Ø6.35)
Gas (in. (mm))	Ø1/2" (Ø12.7)
Pre-Charge Length (ft. (m))	25 (7.5)
Minimum Length (ft. (m))	10 (3.0)
Maximum Length (ft. (m))	98 (30.0)
Maximum Height Differential (ft. (m))	66 (20.0)
Additional Refrigerant (oz./ft (g/m))	0.16 (15)

OUTDOOR UNIT		
Unit Dimensions (in. (mm))	Width	35-1/16 (890)
	Depth	13-7/16 (342)
	Height	26-1/2 (673)
Carton Dimensions (in. (mm))	Width	39-3/16 (995)
	Depth	15-11/16 (398)
	Height	29-3/16 (740)
Net Weight (lbs. (kg))	92.6 (42.0)	
Gross Weight (lbs. (kg))	100.3 (45.5)	
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	187-253V	
Recommended Breaker (Amps)	20	
Minimum Circuit Ampacity (Amps)	18.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	6.4	
Rated Current - Heating (Amps) ²	7.2	
Sound Pressure (dB(A))	57	

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)

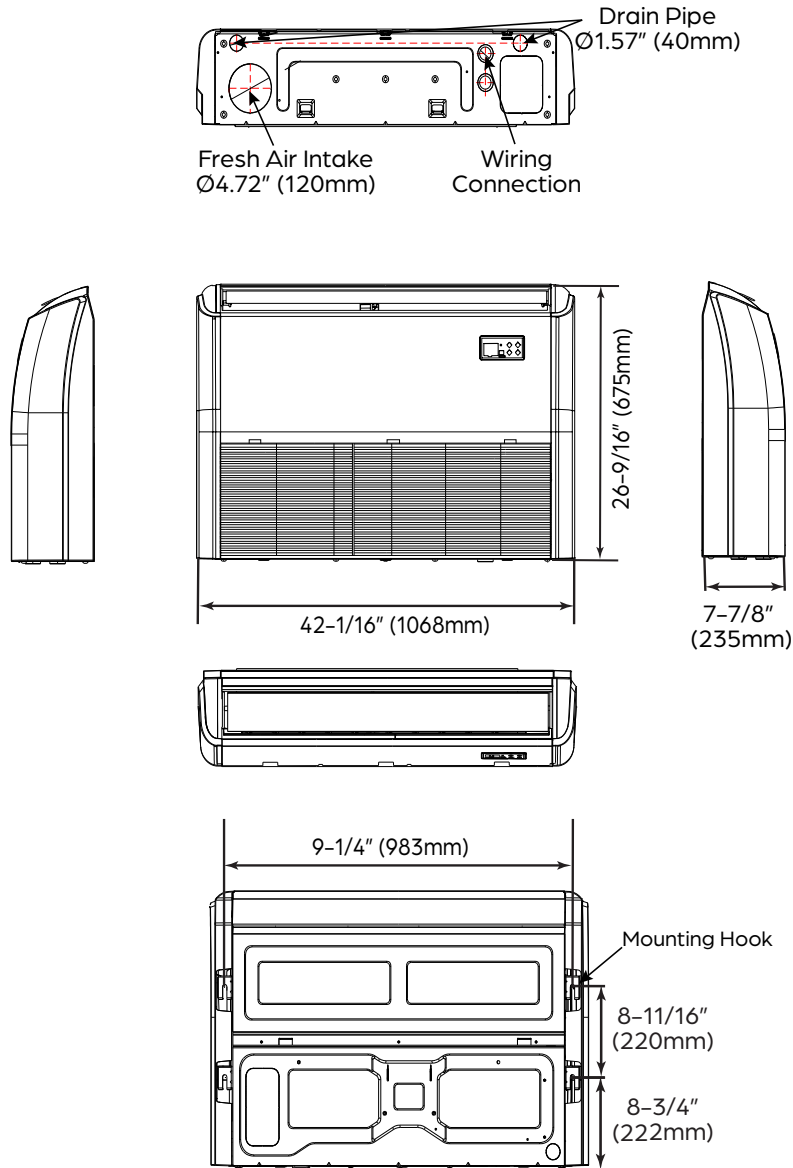
INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	42-1/16 (1068)
	Depth	26-9/16 (675)
	Height	9-1/4 (235)
Carton Dimensions (in. (mm))	Width	45-1/8 (1145)
	Depth	29-3/4 (755)
	Height	12-9/16 (318)
Net Weight (lbs. (kg))	58.4 (26.5)	
Gross Weight (lbs. (kg))	70.6 (32.0)	
Indoor Unit Air Flow (CFM (m³/h))	Silent	N/A
	Low	421 (715)
	Medium	486 (825)
	High	547 (930)
	Turbo	577 (980)
Moisture Removal (Pints/day (L/h))	106.5 (2.1)	
Field Supplied Drain Pipe O.D. (in. (mm))	Ø1 (Ø25)	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	1.9	
Sound Pressure (dB(A))	Silent	29
	Low	32
	Medium	40
	High	43
	Turbo	N/A

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

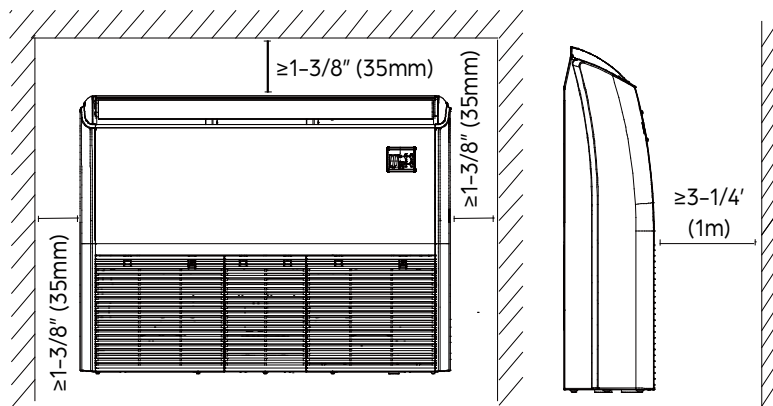


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IDU DIMENSIONS – DRAF18F2A



Installation Clearances

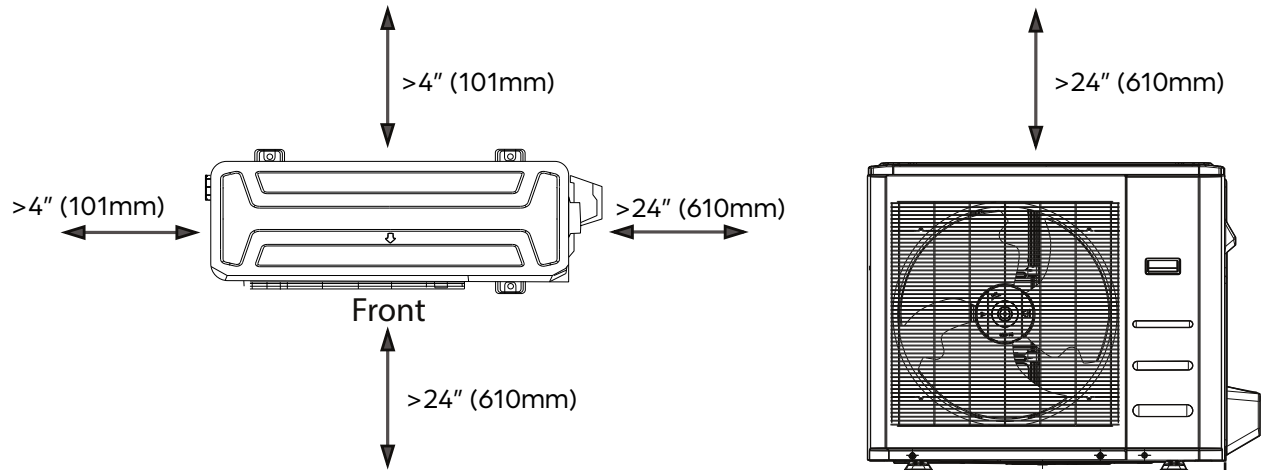




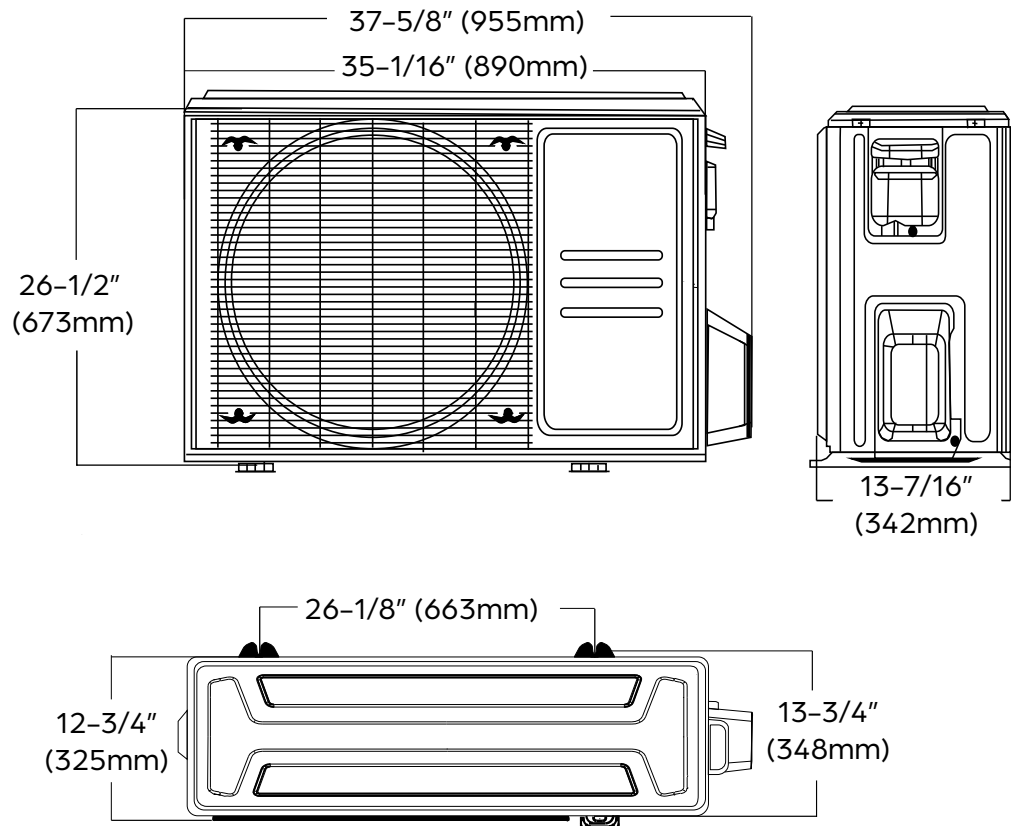
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ODU DIMENSIONS – DRA1U18S2A

Clearances



Dimensions



NOTE

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