



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

SUBMITTAL COVER SHEET

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

LOCATION \_\_\_\_\_


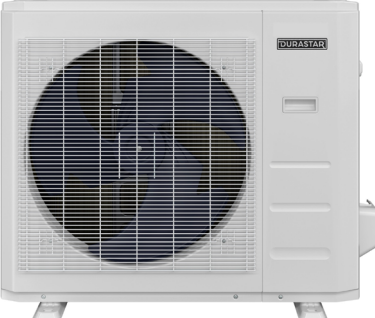

ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

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

Indoor Unit (IDU): DRAF24F2A	Outdoor Unit (ODU): DRA1U24S2A	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) <sup>1</sup>	24000
	at 109° (43°C)	22300
	at 5° (-15°C)	24600
	Cooling Range	11100~29000
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) <sup>2</sup>	24400
	Rated at 17°F (-8°C) <sup>3</sup>	20000
	Rated at 5°F <sup>4</sup>	18600
	at -13° (-25°C)	9800
	Heating Range	11800~32600

## SYSTEM DATA

Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	70.6 (2.0)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

## EFFICIENCY DATA

SEER2	21.1
EER2	12.2
HSPF2	11.1
COP at 47°F (8°C) <sup>2</sup>	2.99
COP at 17°F (-8°C) <sup>3</sup>	2.56
COP at 5°F (-15°C) <sup>4</sup>	2.27



Specifications are subject to change without notice.

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Intertek



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### SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (in. (mm))	Ø3/8 (Ø9.52)
Gas (in. (mm))	Ø5/8" (Ø16)
Pre-Charge Length (ft. (m))	25 (7.5)
Minimum Length (ft. (m))	10 (3.0)
Maximum Length (ft. (m))	164 (50.0)
Maximum Height Differential (ft. (m))	82 (25.0)
Additional Refrigerant (oz./ft (g/m))	0.32 (30)

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)	25	
Minimum Circuit Ampacity (Amps)	24.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) <sup>1</sup>	8.6	
Rated Current - Heating (Amps) <sup>2</sup>	10.4	
Sound Pressure (dB(A))	57	

<sup>1</sup> Value at AHR1 Rated Capacity at 95°F (35°C) (AFull)

<sup>2</sup> Value at AHR1 Rated Capacity at 47°F (8°C) (H1Full)

<sup>3</sup> Value at AHR1 Rated Capacity at 17°F (-8°C) (H32)

<sup>4</sup> Value at AHR1 Rated Capacity at 5°F (-15°C) (H42)

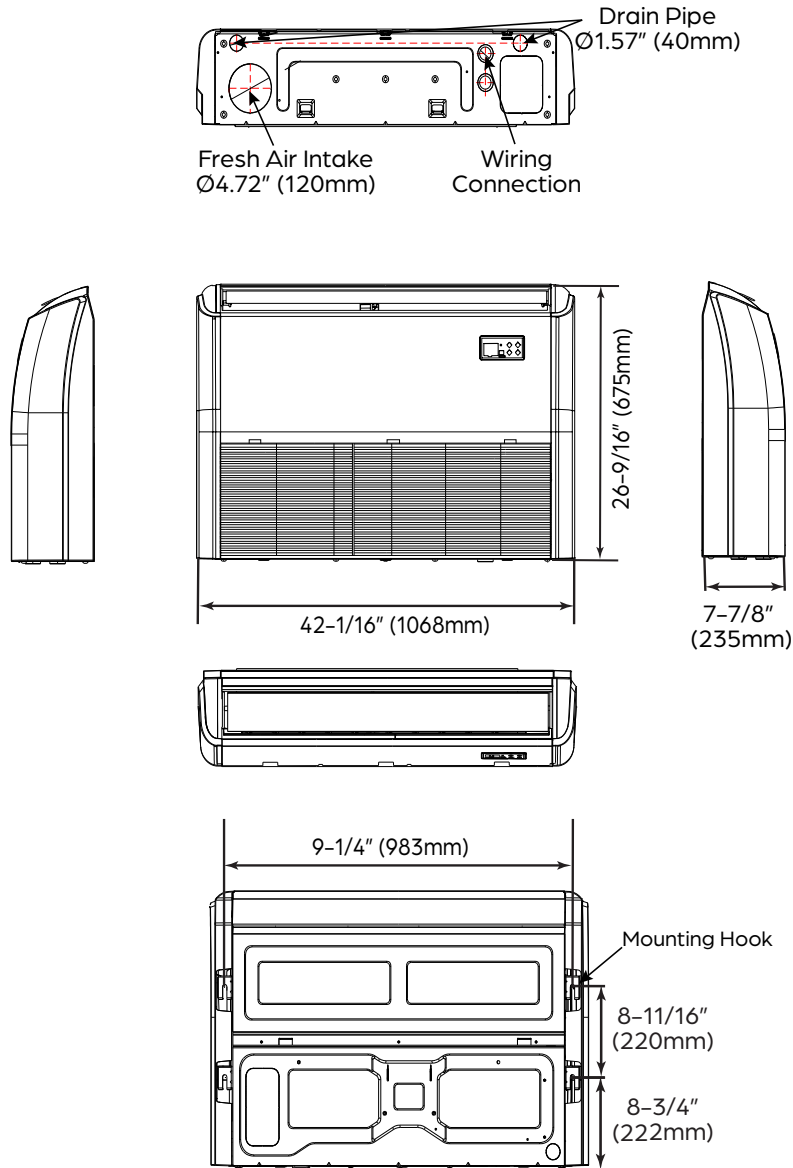
INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	42-1/16 (1068)
	Depth	26-9/16 (675)
	Height	9-1/4 (235)
Carton Dimensions (in. (mm))	Width	45-1/8 (1145)
	Depth	29-3/4 (755)
	Height	12-9/16 (318)
Net Weight (lbs. (kg))	61.3 (27.8)	
Gross Weight (lbs. (kg))	73.2 (33.2)	
Indoor Unit Air Flow (CFM (m³/h))	Silent	377 (640)
	Low	453 (770)
	Medium	606 (1030)
	High	706 (1200)
	Turbo	736 (1250)
Moisture Removal (Pints/day (L/h))	157.2 (3.1)	
Field Supplied Drain Pipe O.D. (in. (mm))	Ø1 (Ø25)	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	2.5	
Sound Pressure (dB(A))	Silent	29
	Low	34
	Medium	45
	High	49
	Turbo	51

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz. (ml))	21 (620)

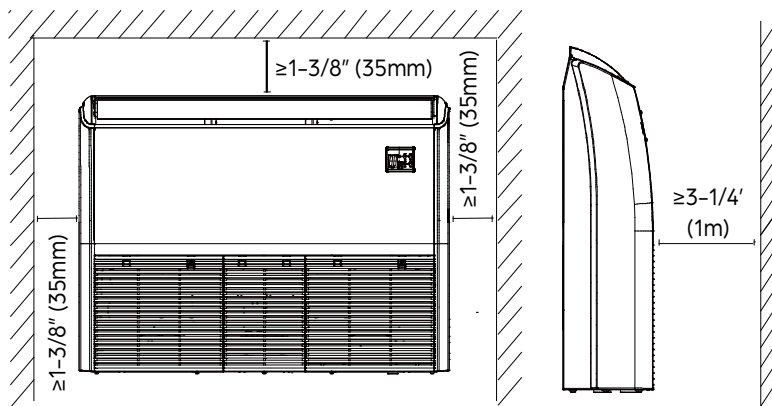


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IDU DIMENSIONS – DRAF24F2A



### Installation Clearances



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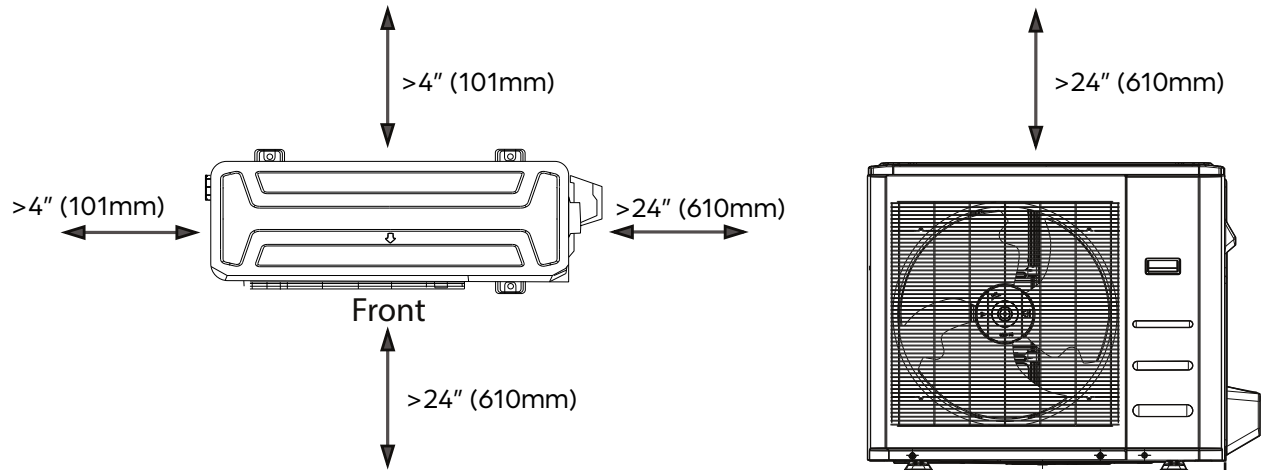
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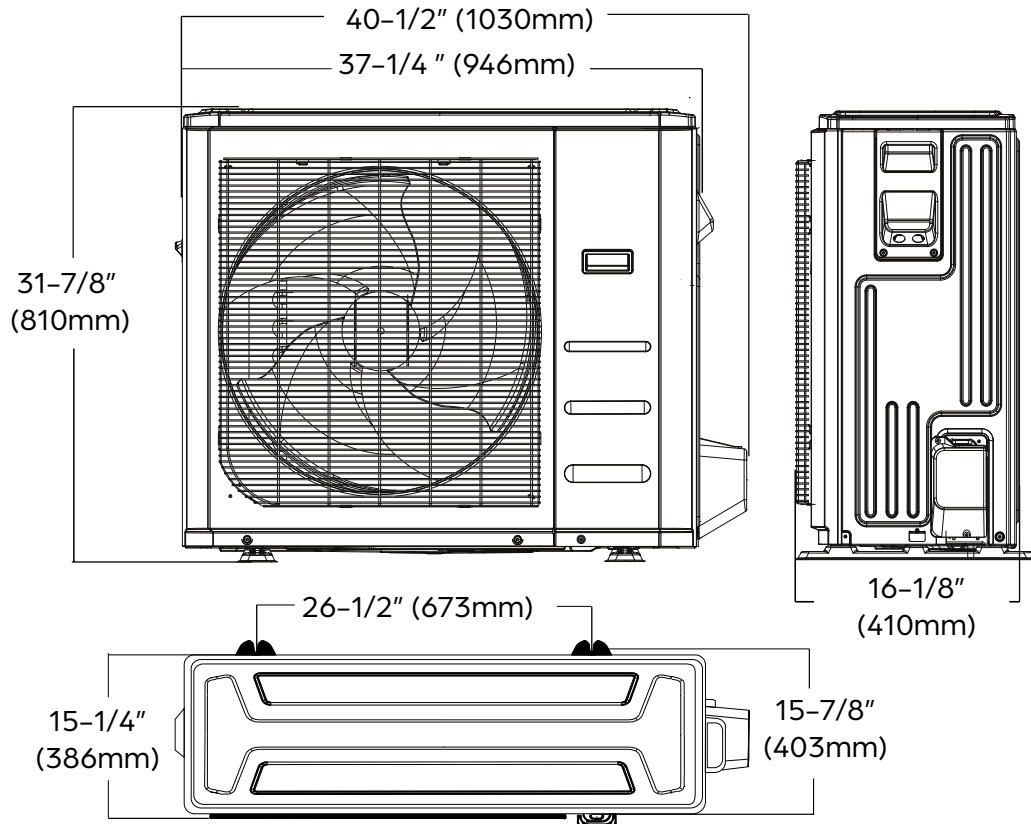
## 24,000 BTU/H FLOOR/CEILING HEAT PUMP SYSTEM

ODU DIMENSIONS - DRA1U24S2A

### Clearances



### Dimensions



#### NOTE

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