



# 24,000 BTU/H WALL MOUNTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

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

LOCATION \_\_\_\_\_




ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

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

Indoor Unit (IDU): DRAW24F2A	Outdoor Unit (ODU): DRA1U24S2A	Wireless Remote Control
		

## PRODUCT FEATURES

- Low ambient heating down to -13°F
- Low ambient cooling down to -13°F
- A2L refrigerant detection system
- Variable speed inverter compressor
- Quiet operation
- Wireless remote control with "Follow Me" technology
- Turbo, ECO, Active Clean, Sleep modes and more
- 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)	20700
	at 5° (-15°C)	25600
	Cooling Range	9700~27000
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) <sup>2</sup>	25000
	Rated at 17°F (-8°C) <sup>3</sup>	19500
	Rated at 5°F <sup>4</sup>	17800
	at -13° (-25°C)	11000
	Heating Range	11300~32700

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	23.5
EER2	13.0
HSPF2	10.0
COP at 47°F (8°C) <sup>2</sup>	3.08
COP at 17°F (-8°C) <sup>3</sup>	2.50
COP at 5°F (-15°C) <sup>4</sup>	2.15



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	37-1/4 (946)
	Depth	16-1/8 (410)
	Height	31-7/8 (810)
Carton Dimensions (in. (mm))	Width	42-15/16 (1090)
	Depth	19-11/16 (500)
	Height	34-7/8 (885)
Net Weight (lbs. (kg))	122.1 (55.4)	
Gross Weight (lbs. (kg))	132.3 (60.0)	
Cooling Operating Temp. (°F (°C))	-13 - 122 (-25 - 50)	
Heating Operating Temp. (°F (°C))	-13 - 75 (-25 - 24)	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Recommended Breaker (Amps)	25	
Minimum Circuit Ampacity (Amps)	24	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) <sup>1</sup>	8.0	
Rated Current - Heating (Amps) <sup>2</sup>	10.4	
Sound Pressure (dB(A))	60	

INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	42-5/8 (1082)
	Depth	9-1/4 (234)
	Height	13-1/4 (337)
Carton Dimensions (in. (mm))	Width	45-1/2 (1155)
	Depth	12-7/16 (315)
	Height	16-5/16 (415)
Net Weight (lbs. (kg))	30.9 (14.0)	
Gross Weight (lbs. (kg))	40.6 (18.4)	
Indoor Unit Air Flow (CFM (m³/h))	Low	383 (650)
	Medium	459 (780)
	High	587 (1000)
	Turbo	759 (1290)
Moisture Removal (Pints/day (L/h))	101 (2.7)	
Drain Port O.D. (in. (mm))	Ø5/8 (Ø16)	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	3.0	
Sound Pressure (dB(A))	Silent	21
	Low	28
	Medium	44
	High	49
	Turbo	54

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz. (ml))	17.6 (620)

<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)

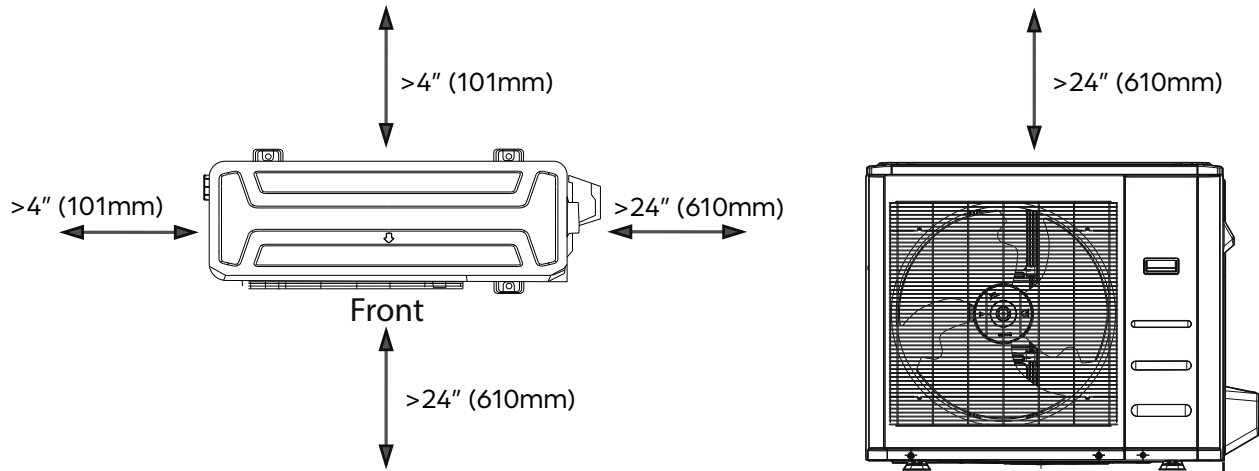




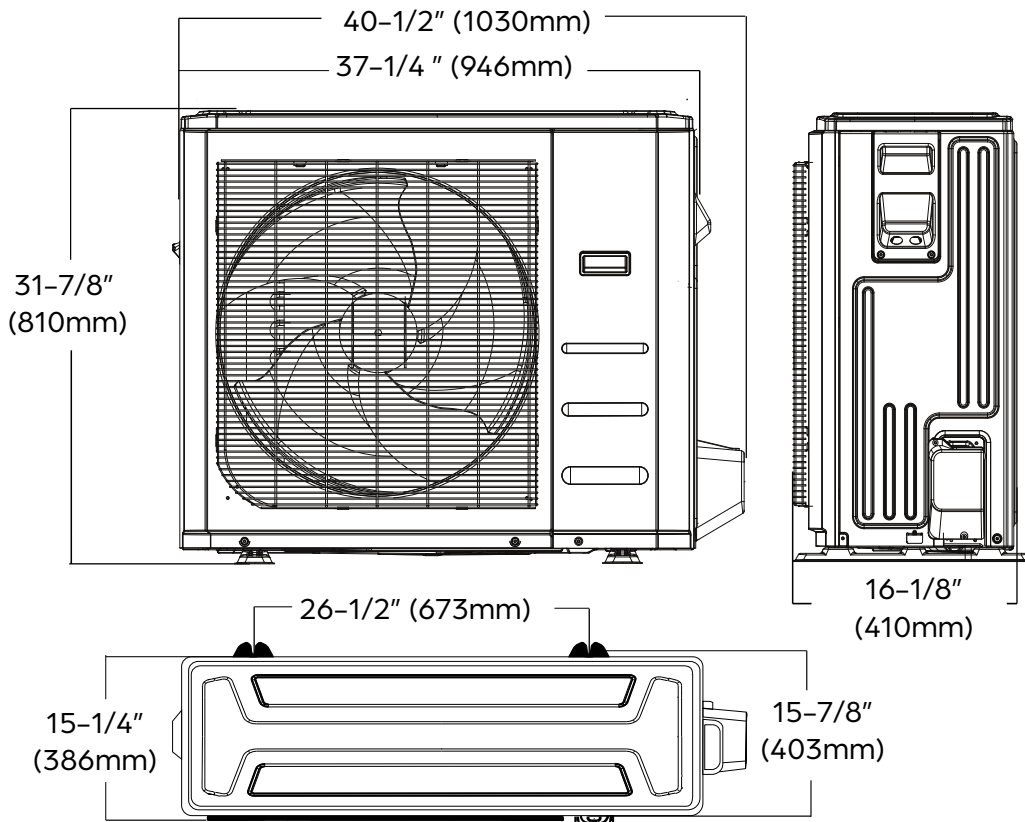
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ODU DIMENSIONS - DRA1U24S2A

### Clearances



### Dimensions



#### NOTE

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