

PROJECT NAME _____

LOCATION _____




ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAF24F2A	Outdoor Unit (ODU): DRA1H24S2A	Wireless Remote Control
		

PRODUCT FEATURES

- Up to 100% heating capacity at 0°F
- Low ambient heating and cooling down to -22°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	22000
	at 109°F (43°C)	21200
	at 5°F (-15°C)	27600
	Cooling Range	12700~25600
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	26000
	Rated at 17°F (-8°C) ³	20200
	Rated at 5°F (-15°C) ⁴	24200
	at -13°F (-25°C)	13300
	at -22°F (-30°C)	10400
	Heating Range	12700~25600

SYSTEM DATA

Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	63.5 (1.8)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA

SEER2	20.4
EER2	12.0
HSPF2	12.1
COP at 47°F (8°C) ²	3.34
COP at 17°F (-8°C) ³	2.74
COP at 5°F (-15°C) ⁴	2.16



Specifications are subject to change without notice.

© 2024 Ferguson Enterprises LLC

www.durastar.com



24,000 BTU/H SIRIUS HEAT™ FLOOR/CEILING HEAT PUMP SYSTEM 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	Width	37-1/4 (946)
	Depth	16-1/8 (410)
	Height	31-7/8 (810)
Carton Dimensions	Width	42-15/16 (1090)
	Depth	19-11/16 (500)
	Height	34-7/8 (885)
Net Weight (lbs. (kg))	130.3 (59.1)	
Gross Weight (lbs. (kg))	141.3 (64.1)	
Cooling Operating Temp. (°F (°C))	-22 - 122 (-30 - 50)	
Heating Operating Temp. (°F (°C))	-22 - 75 (-30 - 24)	
Voltage/Phase/Frequency	208-230V, 1 Ph, 60 Hz	
Voltage Range	187-253V	
Recommended Breaker (Amps)	20	
Minimum Circuit Ampacity (Amps)	19.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	8.2	
Rated Current - Heating (Amps) ²	10.1	
Sound Pressure (dB(A))	62	

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)

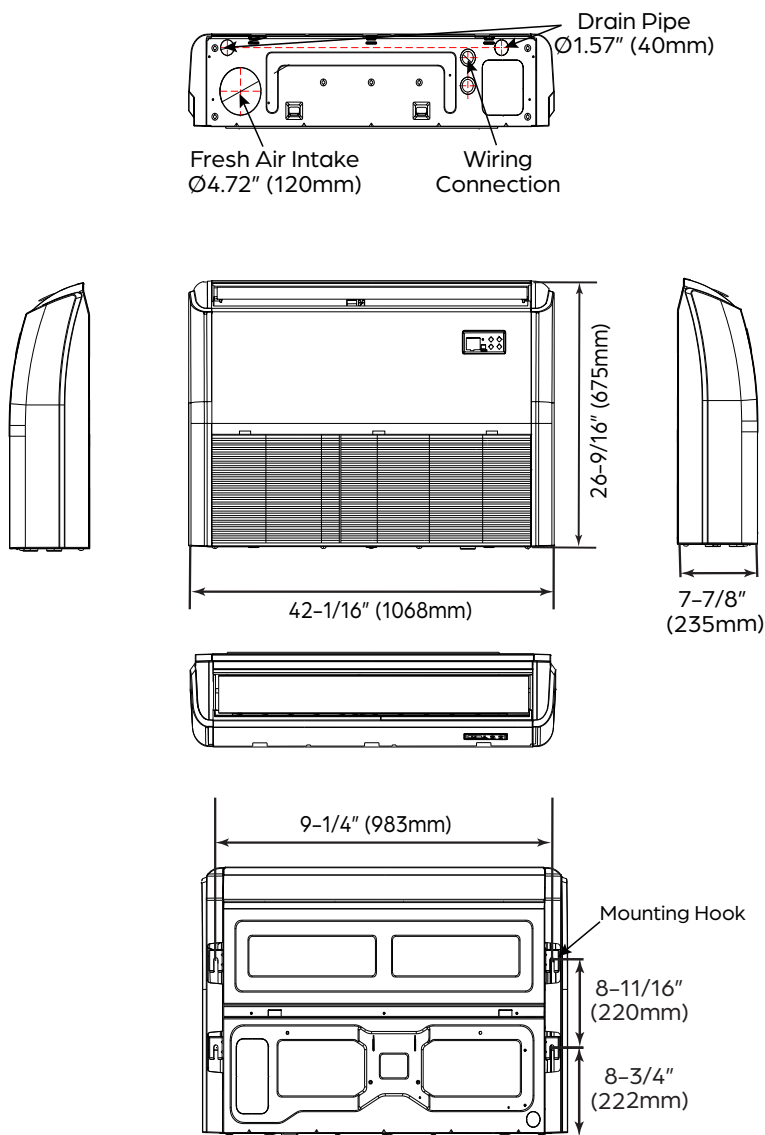
⁴ Value at AHR1 Rated Capacity at 5°F (-15°C) (H42)

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))	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)
Field Supplied Drain Pipe O.D. (in. (mm))	Ø1 (Ø25)	
Moisture Removal (Pints/day (L/h))	101.4 (2.7)	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	2.5	
Sound Pressure (dB(A))	Silent	29
	Low	34
	Medium	45
	High	49
	Turbo	52

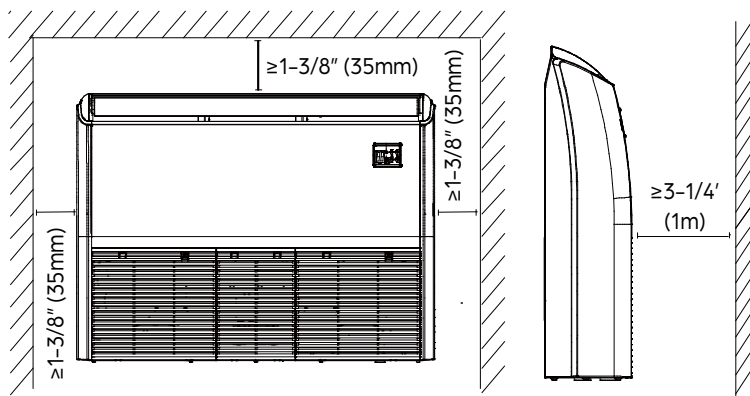
COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz. (ml))	21 (620)

24,000 BTU/H SIRIUS HEAT™ FLOOR/CEILING HEAT PUMP SYSTEM

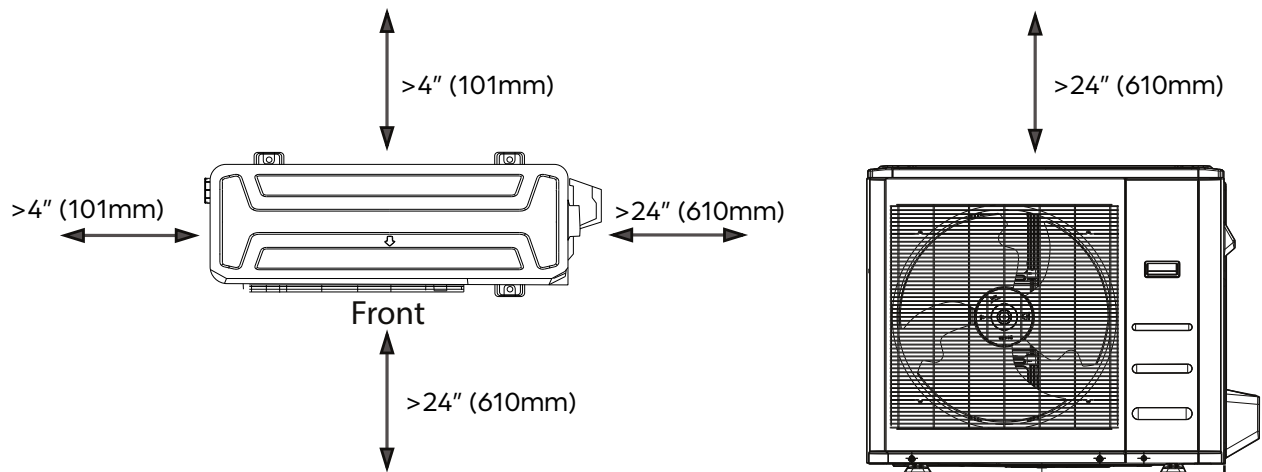
IDU DIMENSIONS – DRAF24F2A



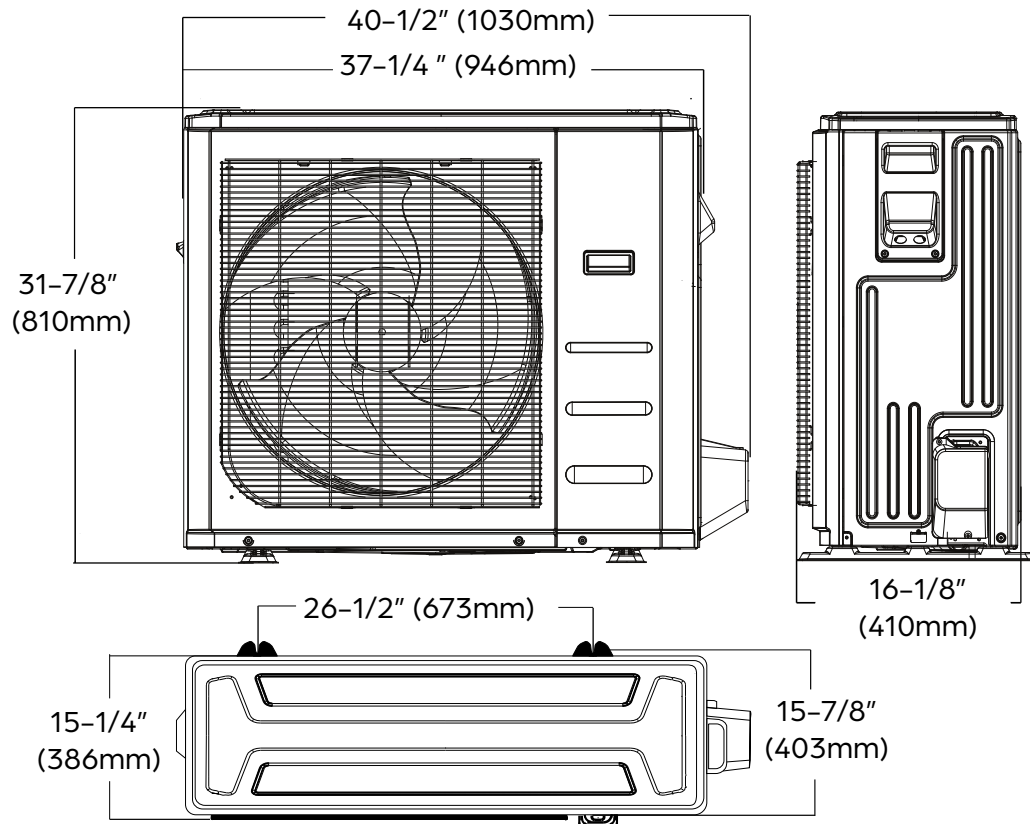
Installation Clearances



Clearances



Dimensions



NOTE

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