
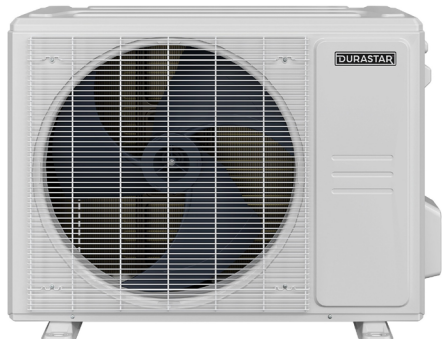





18,000 BTU/H FLOOR MOUNTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____
LOCATION _____
ARCHITECT _____
ENGINEER _____
CONTRACTOR _____
REFERENCE _____
SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAS16F2A	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
- Larger top and bottom air outlets
- 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

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F (35°C) ¹	16000
	at 109° (43°C)	13700
	at 5° (-15°C)	16600
	Cooling Range	4700 - 18000
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	17000
	Rated at 17°F (-8°C) ³	14100
	Rated at 5°F ⁴	13100
	at -13° (-25°C)	8000
	Heating Range	7300 - 22900

SYSTEM DATA

Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	48 (1.4)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA

SEER2	23.8
EER2	12.5
HSPF2	13.5
COP at 47°F (8°C) ²	3.37
COP at 17°F (-8°C) ³	2.75
COP at 5°F (-15°C) ⁴	2.16



Intertek

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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 (V)	187-253	
Recommended Breaker (Amps)	20	
Minimum Circuit Ampacity (Amps)	18.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	5.8	
Rated Current - Heating (Amps) ²	6.7	
Sound Pressure (dB(A))	57	

INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	31-1/4 (794)
	Depth	7-7/8 (200)
	Height	24-7/16 (621)
Carton Dimensions (in. (mm))	Width	34 (865)
	Depth	11 (280)
	Height	28-5/16 (719)
Net Weight (lbs. (kg))	32.9 (14.9)	
Gross Weight (lbs. (kg))	41.9 (19.0)	
Indoor Unit Air Flow (CFM (m³/h))	Silent	206 (350)
	Low	324 (550)
	Medium	383 (650)
	High	441 (750)
	Turbo	500 (850)
Moisture Removal (Pints/day (L/h))	111.5 (2.2)	
Drain Port O.D. (in. (mm))	Ø5/8 (Ø16)	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	3.0	
Sound Pressure (dB(A))	Silent	24
	Low	29
	Medium	39
	High	42

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

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)

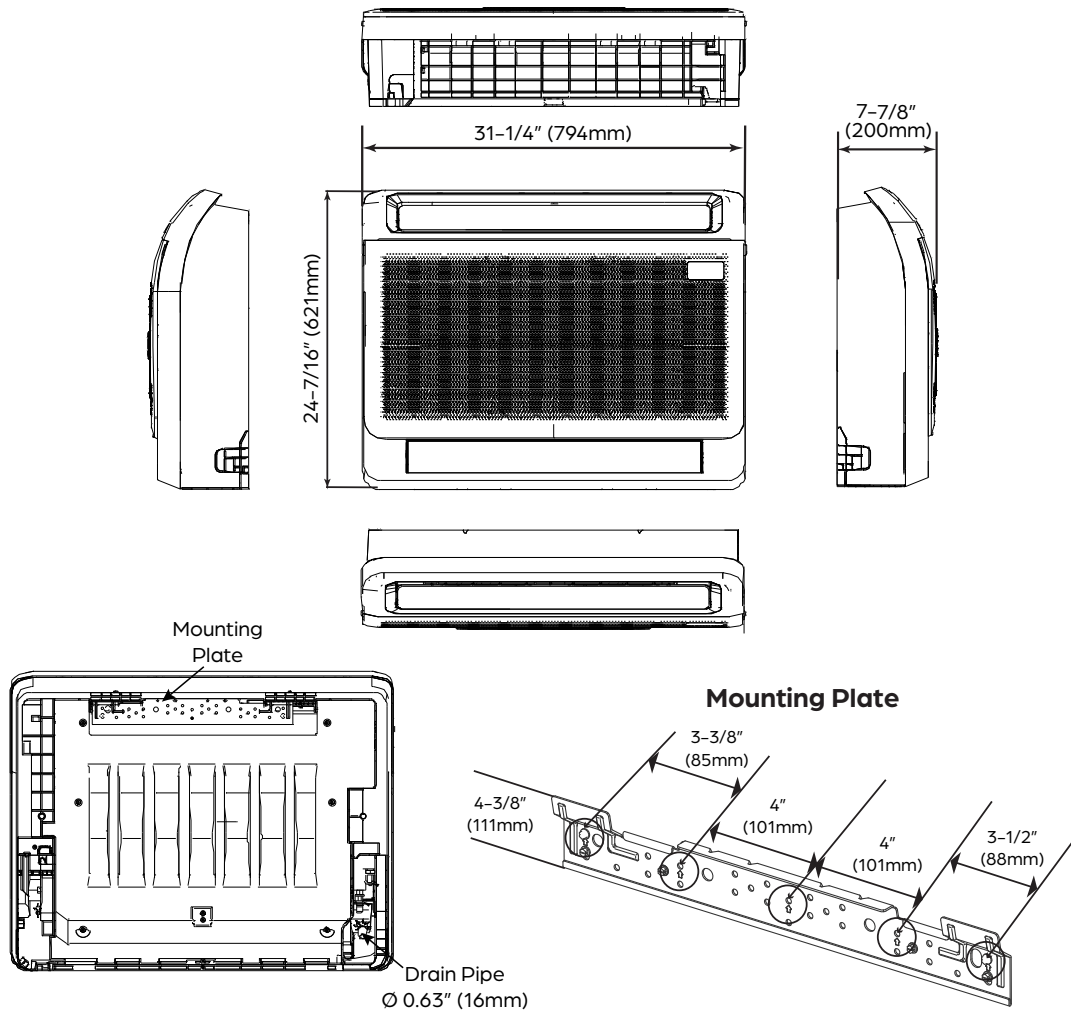
⁴ Value at AHR1 Rated Capacity at 5°F (-15°C) (H42)



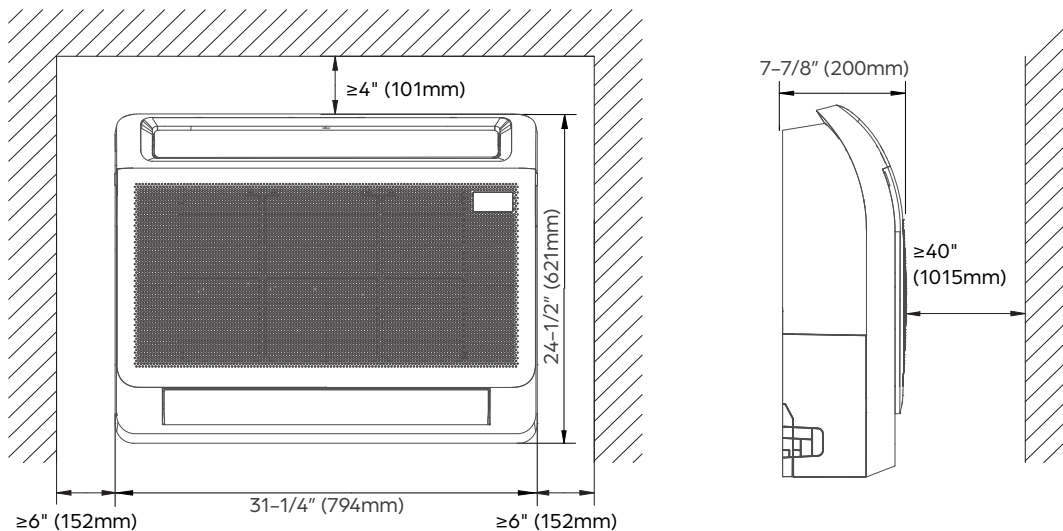
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IDU DIMENSIONS - DRAS16F2A

Dimensions



Clearances



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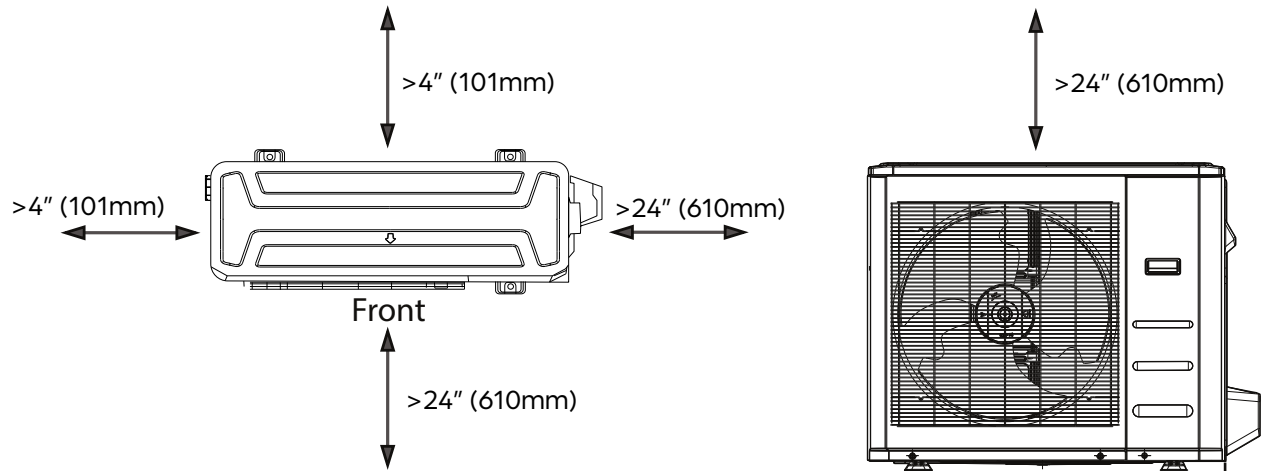
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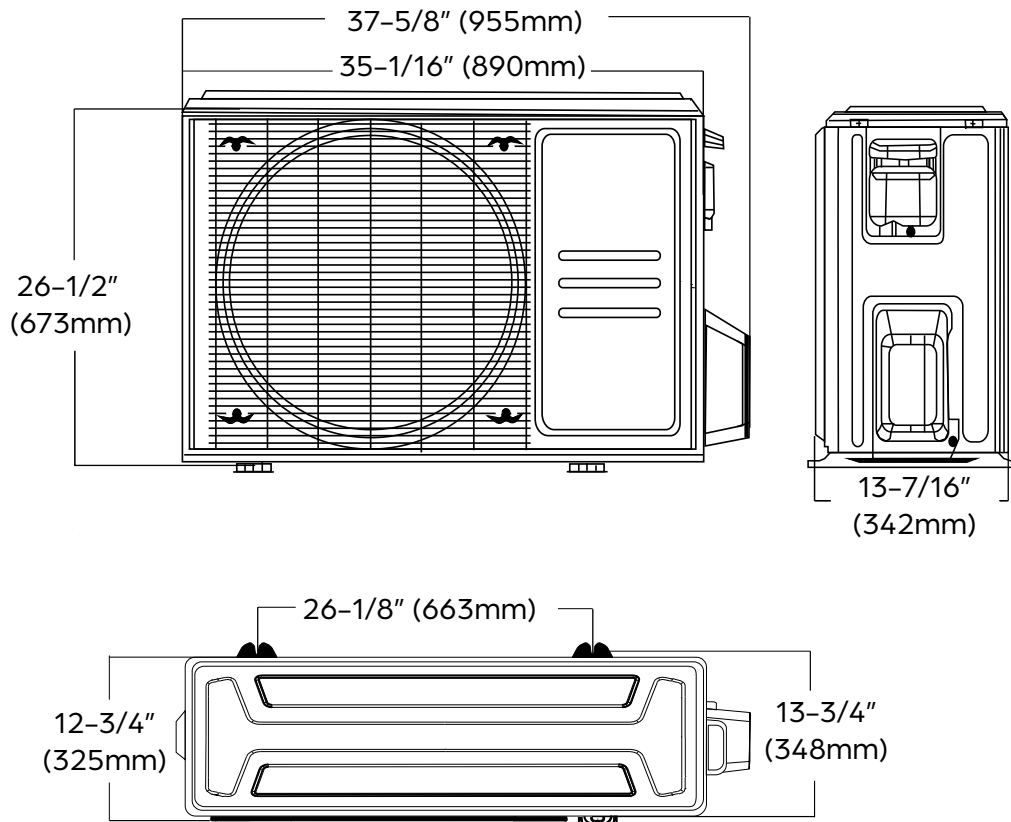
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ODU DIMENSIONS – DRA1U18S2A

Clearances



Dimensions



NOTE

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