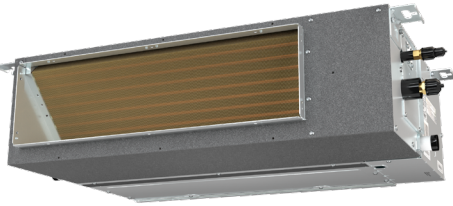




12,000 BTU/H HIGH STATIC DUCTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

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

Indoor Unit (IDU): DRADH0912F2A	Outdoor Unit (ODU): DRA1U12S2A	Wired Thermostat: DRSTAT101
		

PRODUCT FEATURES

- Variable Speed Inverter Compressor
- A2L refrigerant detection system
- Internal drain pump included
- Horizontal and vertical installation
- High static pressure up to 0.8 in. WC
- DRSTAT101 programmable wired thermostat included
- Turbo, ECO, Sleep modes and more
- Quiet operation
- Low ambient heating down to -13 °F
- Low ambient cooling down to -13 °F
- Included base pan heater
- Anti-corrosive fin coating

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F (35°C) ¹	12000
	at 109°F (43°C)	10400
	at 5°F (-15°C)	12000
	Cooling Range	2200 - 12900
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	12000
	Rated at 17°F (-8°C) ³	9100
	Rated at 5°F (-15°C) ⁴	8900
	at -13°F (-25°C)	5200
	Heating Range	3700 - 15700

SYSTEM DATA

Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	32.5 (0.9)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA

SEER2	19.5
EER2	12.0
HSPF2	10.5
COP at 47°F (8°C) ²	3.78
COP at 17°F (-8°C) ³	2.79
COP at 5°F (-15°C) ⁴	2.44

Specifications are subject to change without notice.

© 2024 Ferguson Enterprises LLC

www.durastar.com



Intertek



12,000 BTU/H HIGH STATIC DUCTED HEAT PUMP SYSTEM

SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (in. (mm))	Ø1/4 (Ø6.35)
Gas (in. (mm))	Ø3/8 (Ø9.52)
Pre-Charge Length (ft. (m))	25 (7.5)
Minimum Length (ft. (m))	10 (3.0)
Maximum Length (ft. (m))	82 (25.0)
Maximum Height Differential (ft. (m))	49 (15.0)
Additional Refrigerant (oz./ft (g/m))	0.16 (15)

OUTDOOR UNIT		
Unit Dimensions (in. (mm))	Width	30-1/8 (765)
	Depth	11-15/16 (303)
	Height	21-7/8 (555)
Carton Dimensions (in. (mm))	Width	34-15/16 (887)
	Depth	13-5/16 (337)
	Height	24 (610)
Net Weight (lbs. (kg))	62.2 (28.2)	
Gross Weight (lbs. (kg))	67.7 (30.7)	
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)	15	
Minimum Circuit Ampacity (Amps)	12.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	4.6	
Rated Current - Heating (Amps) ²	4.1	
Sound Pressure (dB(A))	55	

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)

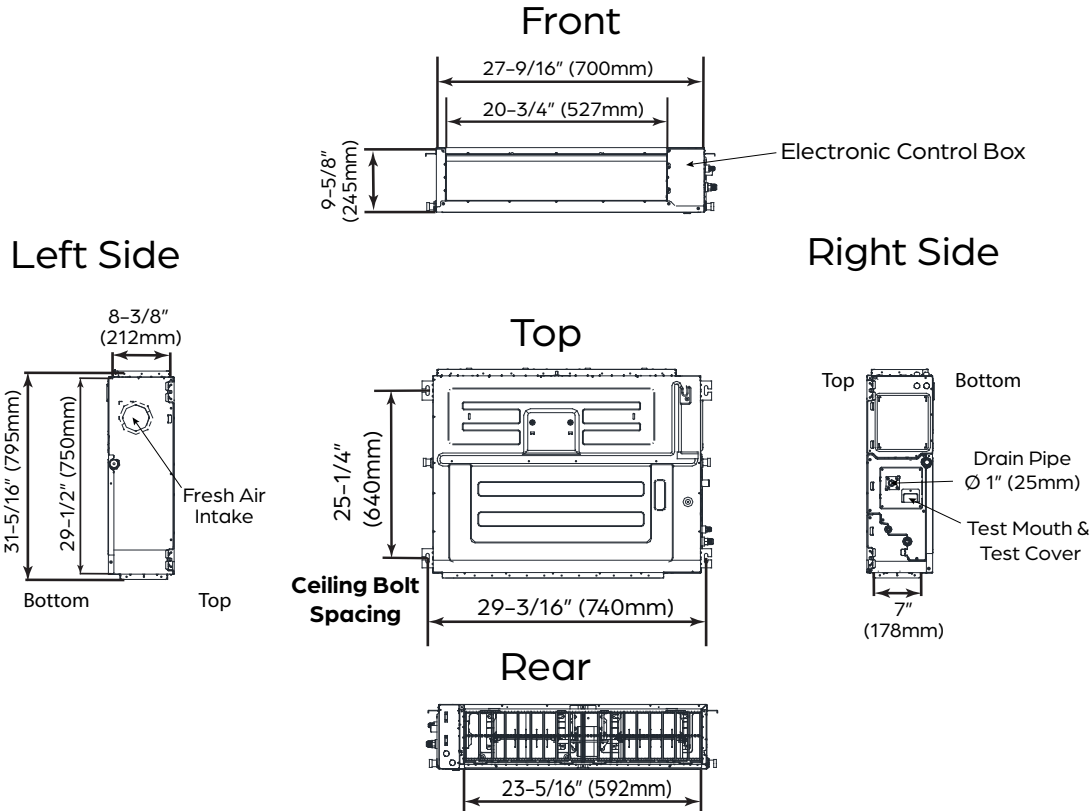
INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	27-9/16 (700)
	Depth	29-1/2 (750)
	Height	9-5/8 (245)
Carton Dimensions (in. (mm))	Width	36-7/16 (925)
	Depth	33-1/2 (850)
	Height	11-3/4 (298)
Net Weight (lbs. (kg))	65.9 (29.1)	
Gross Weight (lbs. (kg))	73.9 (33.5)	
Indoor Unit Air Flow (CFM (m ³ /h))	Silent	135 (230)
	Low	216 (367)
	Medium	256 (435)
	High	350 (595)
	Turbo	419 (712)
Static Pressure (in. WC (Pa))	0 - 0.8 (0 - 200)	
Moisture Removal (Pints/day (L/h))	30.4 (1.3)	
Field Supplied Drain Pipe O.D. (in. (mm))	Ø1 (Ø25)	
Drain Pump Lift (in. (mm))	21-5/8 (550)	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	3.0	
Sound Pressure (dB(A))	Silent	29
	Low	31
	Medium	33
	High	34
	Turbo	N/A

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz. (ml))	10.5 (310)

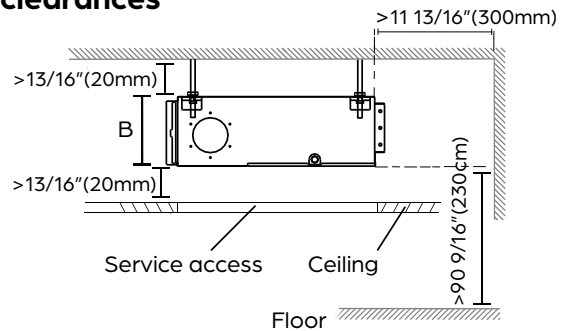
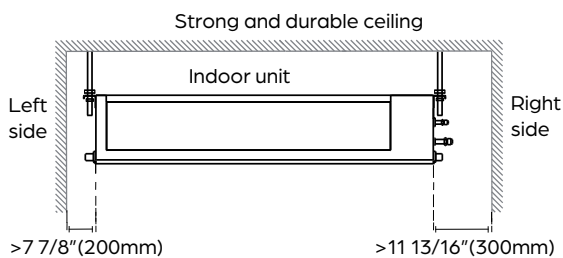


12,000 BTU/H HIGH STATIC DUCTED HEAT PUMP SYSTEM

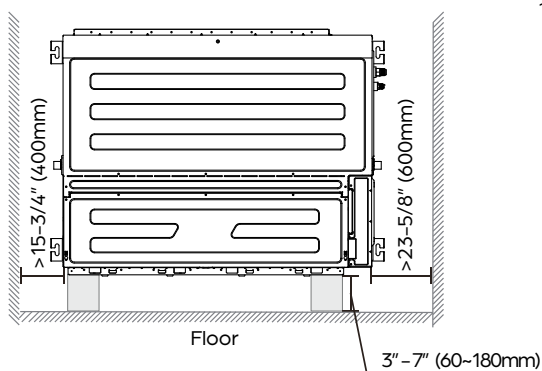
IDU DIMENSIONS – DRADH0912F2A



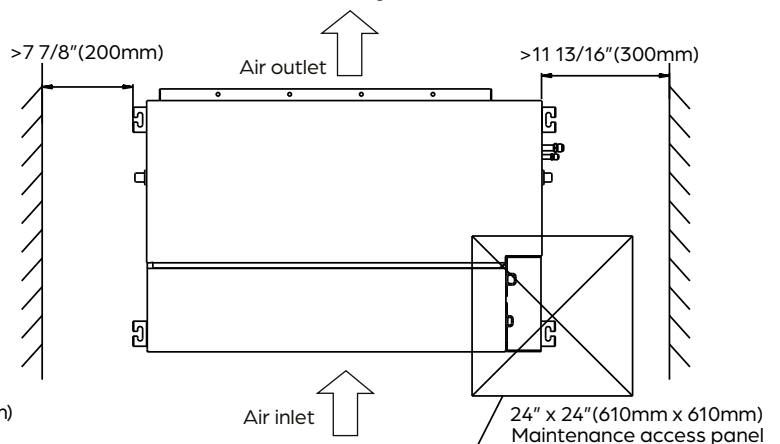
Ceiling mount clearances



Wall mount (vertical) clearances



Maintenance access panel clearance



Specifications are subject to change without notice.

© 2024 Ferguson Enterprises LLC

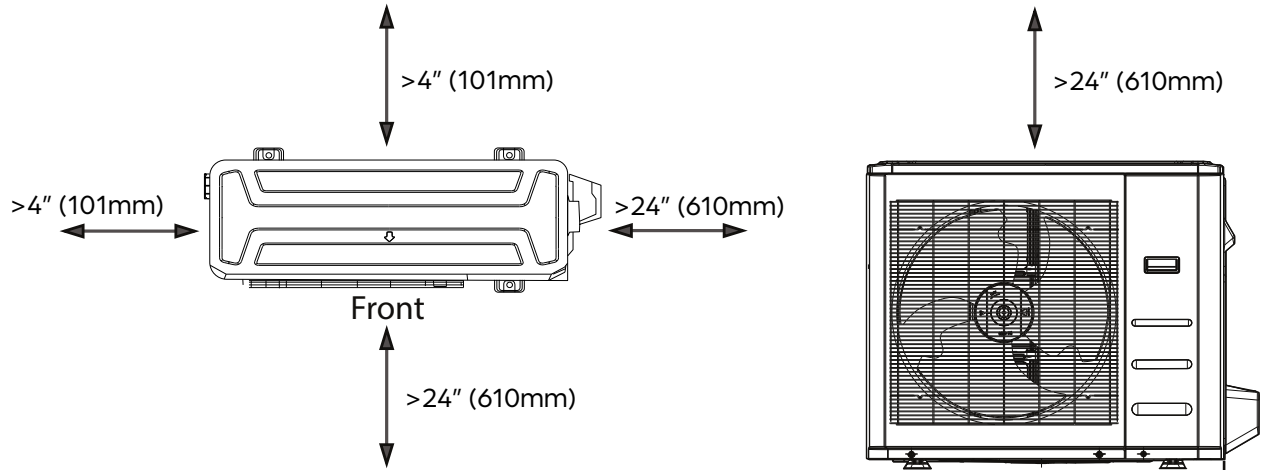
www.durastar.com



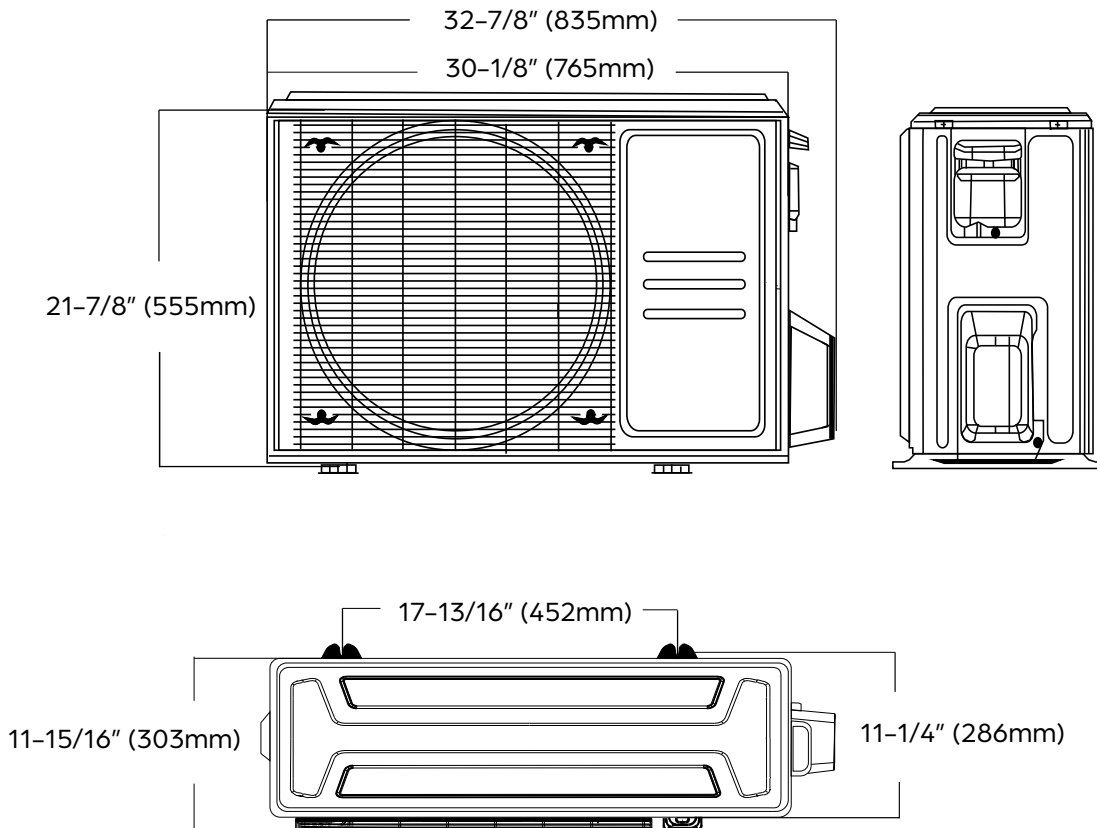
12,000 BTU/H HIGH STATIC DUCTED HEAT PUMP SYSTEM

ODU DIMENSIONS – DRA1U12S2A

Clearances



Dimensions



NOTE

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