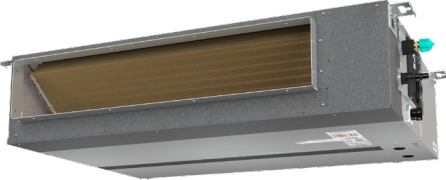
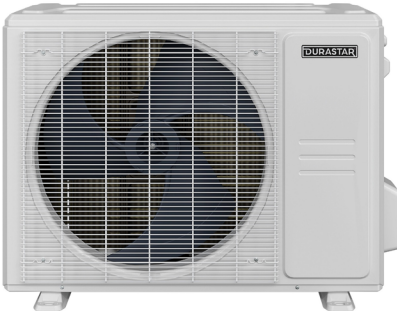




18,000 BTU/H HIGH STATIC DUCTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

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

Indoor Unit (IDU): DRADH18F2A	Outdoor Unit (ODU): DRA1U18S2A	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	17500
	at 109°F (43°C)	15300
	at 5°F (-15°C)	19300
	Cooling Range	4500 - 20200
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) ²	20000
	Rated at 17°F (-8°C) ³	14900
	Rated at 5°F (-15°C) ⁴	14200
	at -13°F (-25°C)	8500
	Heating Range	5200 - 23000

SYSTEM DATA

Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	48.0 (1.4)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA

SEER2	20.0
EER2	13.3
HSPF2	11.3
COP at 47°F (8°C) ²	3.90
COP at 17°F (-8°C) ³	2.90
COP at 5°F (-15°C) ⁴	2.40



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Intertek



18,000 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))	Ø1/2 (Ø12.70)
Pre-Charge Length (ft. (m))	25 (7.5)
Minimum Length (ft. (m))	10 (3.0)
Maximum Length (ft. (m))	99 (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	24-1/4 (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 Phase, 60 Hz	
Voltage Range	187-253V	
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	6.5	
Sound Pressure (dB(A))	58	

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)

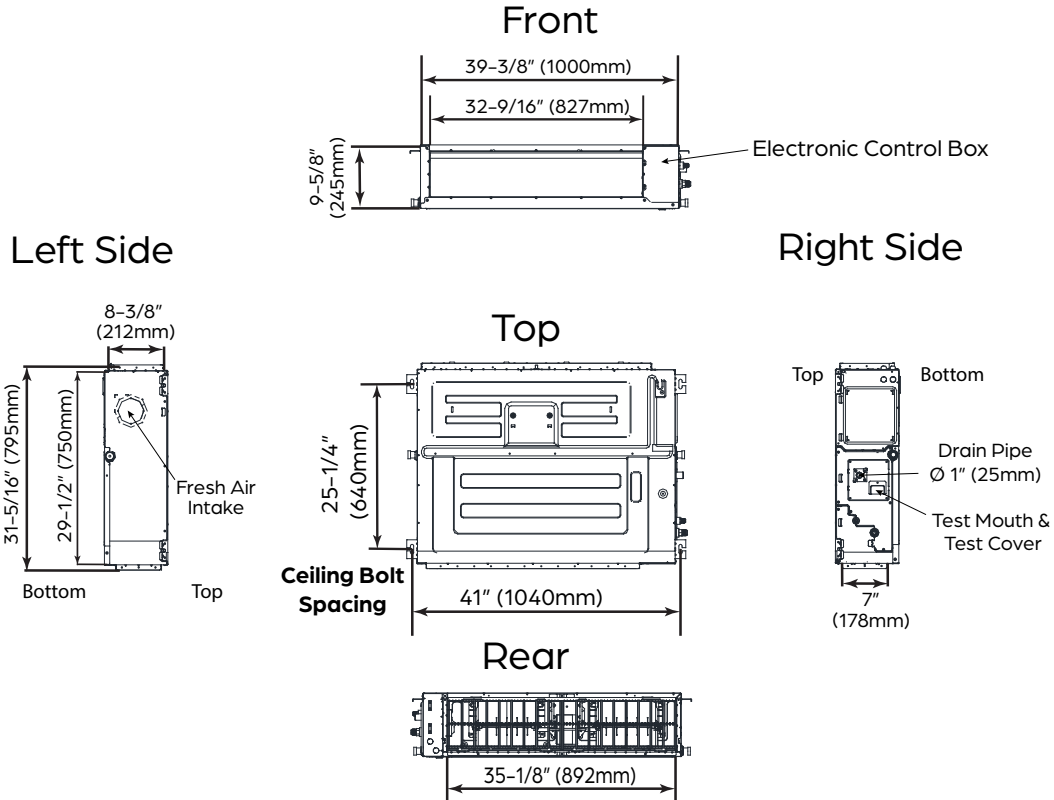
INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	39-3/8 (1000)
	Depth	29-1/2 (750)
	Height	9-5/8 (245)
Carton Dimensions (in. (mm))	Width	48-1/4 (1225)
	Depth	33-7/8 (860)
	Height	12 (304)
Net Weight (lbs. (kg))	79.8 (36.2)	
Gross Weight (lbs. (kg))	91.3 (41.4)	
Indoor Unit Air Flow (CFM (m³/h))	Low	441 (750)
	Medium	530 (900)
	High	618 (1050)
	Turbo	706 (1200)
Static Pressure (in. WC (Pa))	0 - 0.8 (0 - 200)	
Moisture Removal (Pints/day (L/h))	86.2 (1.7)	
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	33
	Medium	35
	High	37
	Turbo	40

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

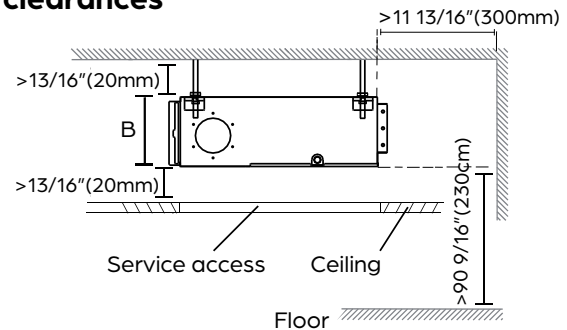
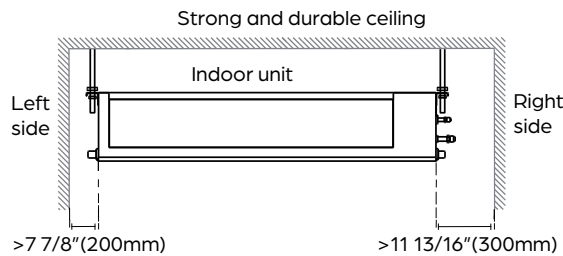


18,000 BTU/H HIGH STATIC DUCTED HEAT PUMP SYSTEM

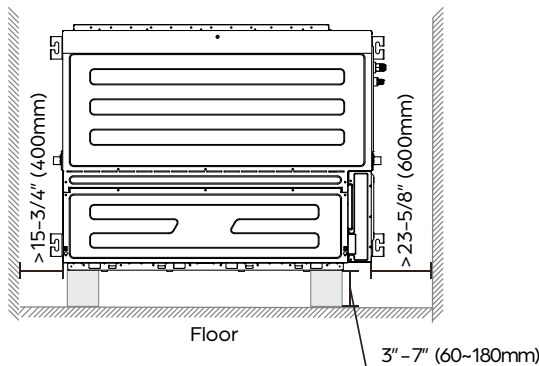
IDU DIMENSIONS – DRADH18F2A



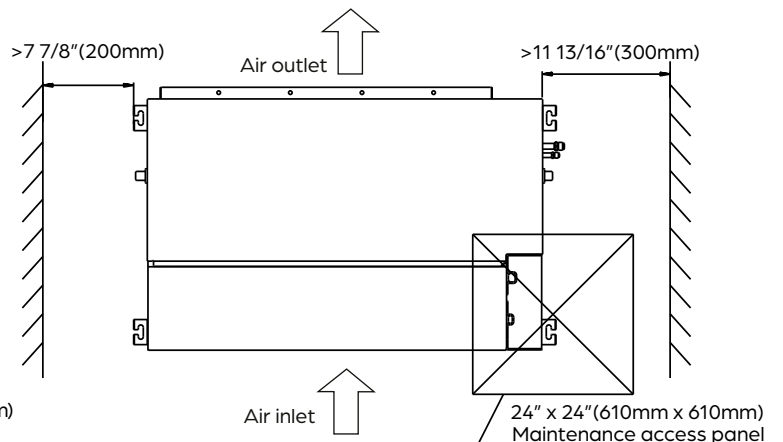
Ceiling mount clearances



Wall mount (vertical) clearances



Maintenance access panel clearance



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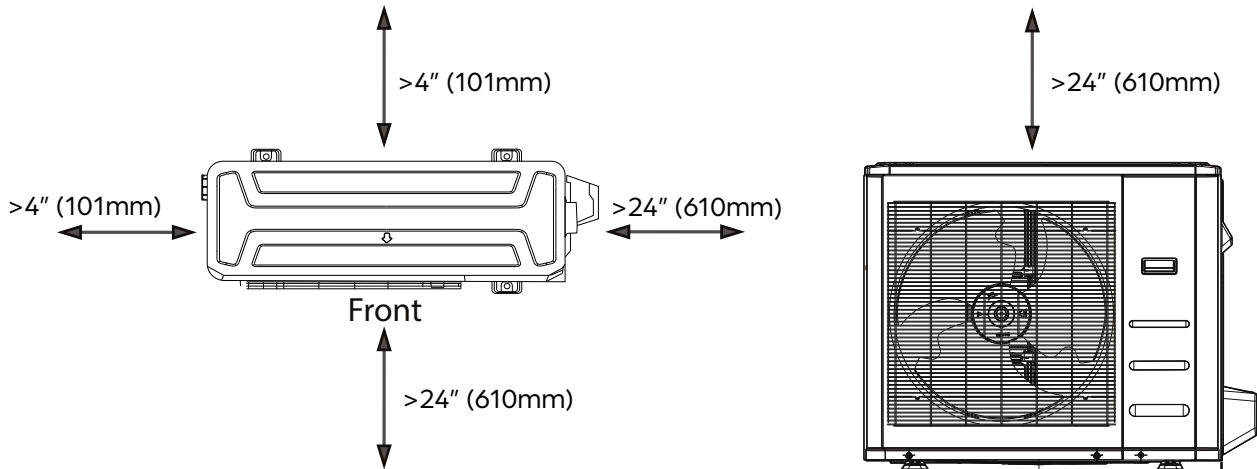
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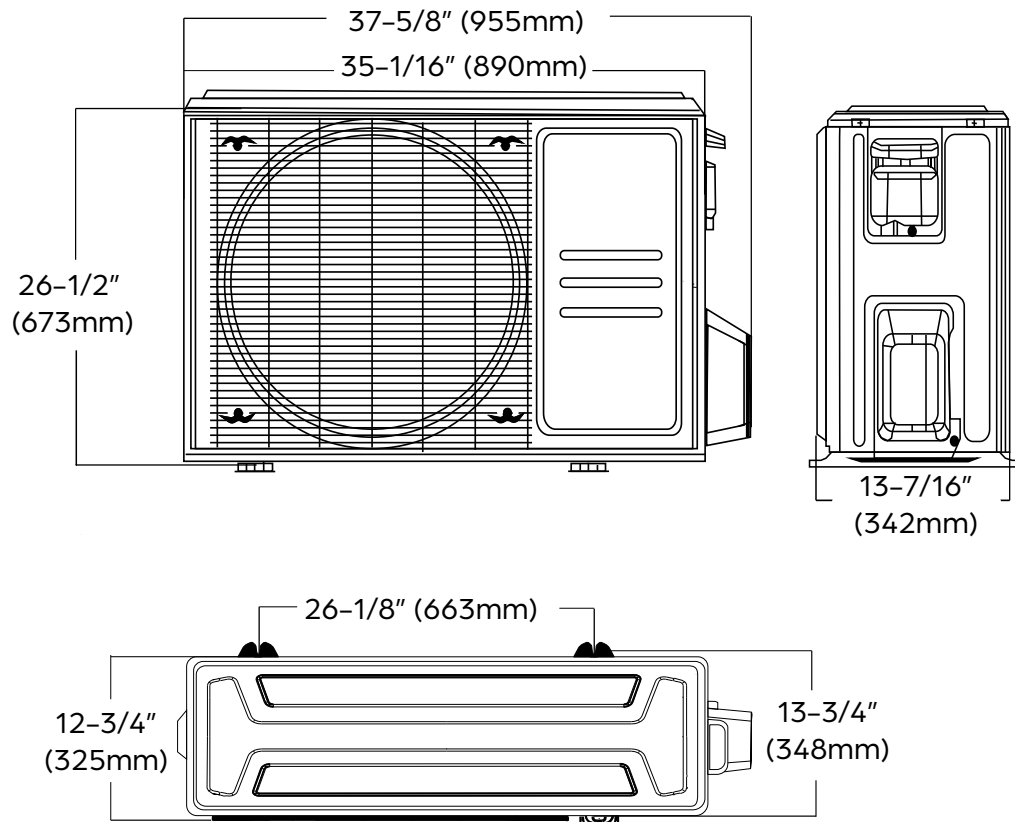
18,000 BTU/H HIGH STATIC DUCTED HEAT PUMP SYSTEM

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.