



# 18,000 BTU/H ONE-WAY CASSETTE HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

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

LOCATION \_\_\_\_\_

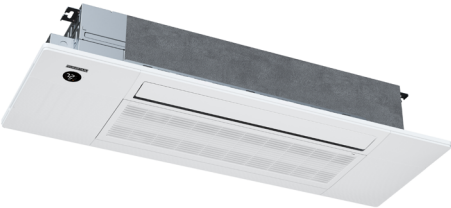
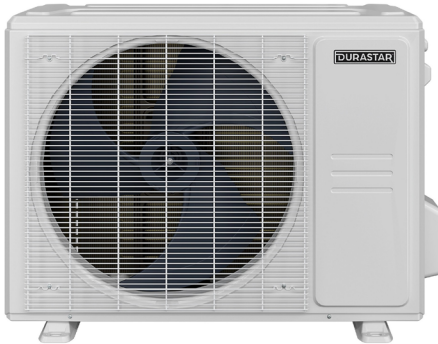

ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

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

Indoor Unit (IDU): DRAL18F2A	Outdoor Unit (ODU): DRA1U18S2A	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
- Humidity control
- Auto restart
- 46°F freeze protection
- Included base pan heater
- Anti-corrosive fin coating
- Compatible with DRSTAT101 wired thermostat
- Grille included

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F (35°C) <sup>1</sup>	18000
	at 109° (43°C)	14500
	at 5° (-15°C)	18000
	Cooling Range	4000~18800
Heating Capacity (BTU/hr)	Rated at 47°F (8°C) <sup>2</sup>	18000
	Rated at 17°F (-8°C) <sup>3</sup>	14000
	Rated at 5°F <sup>4</sup>	13100
	at -13° (-25°C)	8100
	Heating Range	7600~22800

## 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	22.2
EER2	12.5
HSPF2	12.2
COP at 47°F (8°C) <sup>2</sup>	3.30
COP at 17°F (-8°C) <sup>3</sup>	2.78
COP at 5°F (-15°C) <sup>4</sup>	2.24



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))	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))	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	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	187-253V	
Recommended Breaker (Amps)	20	
Minimum Circuit Ampacity (Amps)	18.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) <sup>1</sup>	6.4	
Rated Current - Heating (Amps) <sup>2</sup>	7.1	
Sound Pressure (dB(A))	58	

INDOOR UNIT		
Unit Dimensions (in. (mm))	Width	50-5/16 (1278)
	Depth	13-3/16 (335)
	Height	9 (228)
Carton Dimensions (in. (mm))	Width	57-5/8 (1463)
	Depth	22-1/2 (571)
	Height	22-11/16 (575)
Net Weight (lbs. (kg))	45.2 (20.5)	
Gross Weight (lbs. (kg))	82.9 (37.6)	
Indoor Unit Air Flow (CFM (m³/h))	Low	207 (352)
	Medium	300 (510)
	High	352 (598)
	Turbo	400 (680)
Moisture Removal (Pints/day (L/h))	107 (2.1)	
Field Supplied Drain Pipe O.D. (in. (mm))	Ø1 (Ø25)	
Drain Pump Lift (in. (mm))	29-1/2 (750)	
Recommended Breaker (Amps)	15	
Minimum Circuit Ampacity (Amps)	3.0	
Sound Pressure (dB(A))	Silent	24
	Low	30
	Medium	41
	High	44

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

<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)

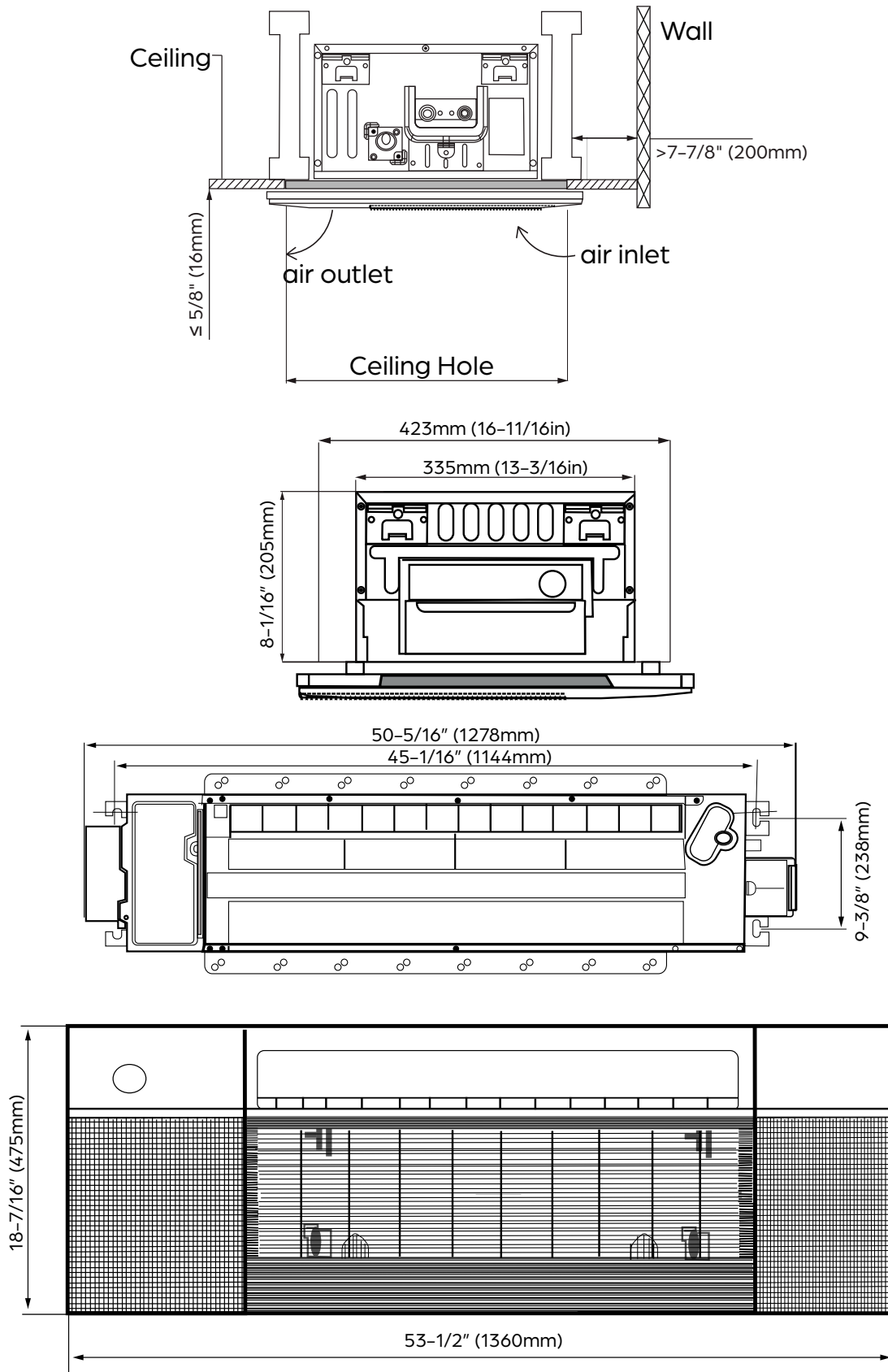
<sup>3</sup> Value at AHR1 Rated Capacity at 17°F (-8°C) (H32)

<sup>4</sup> Value at AHR1 Rated Capacity at 5°F (-15°C) (H42)



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IDU DIMENSIONS - DRAL18F2A

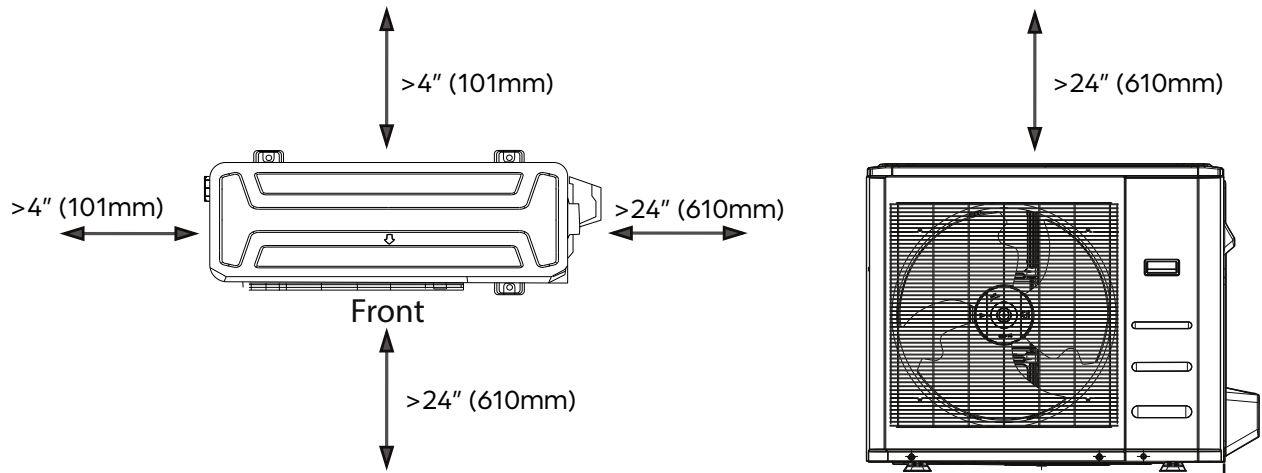




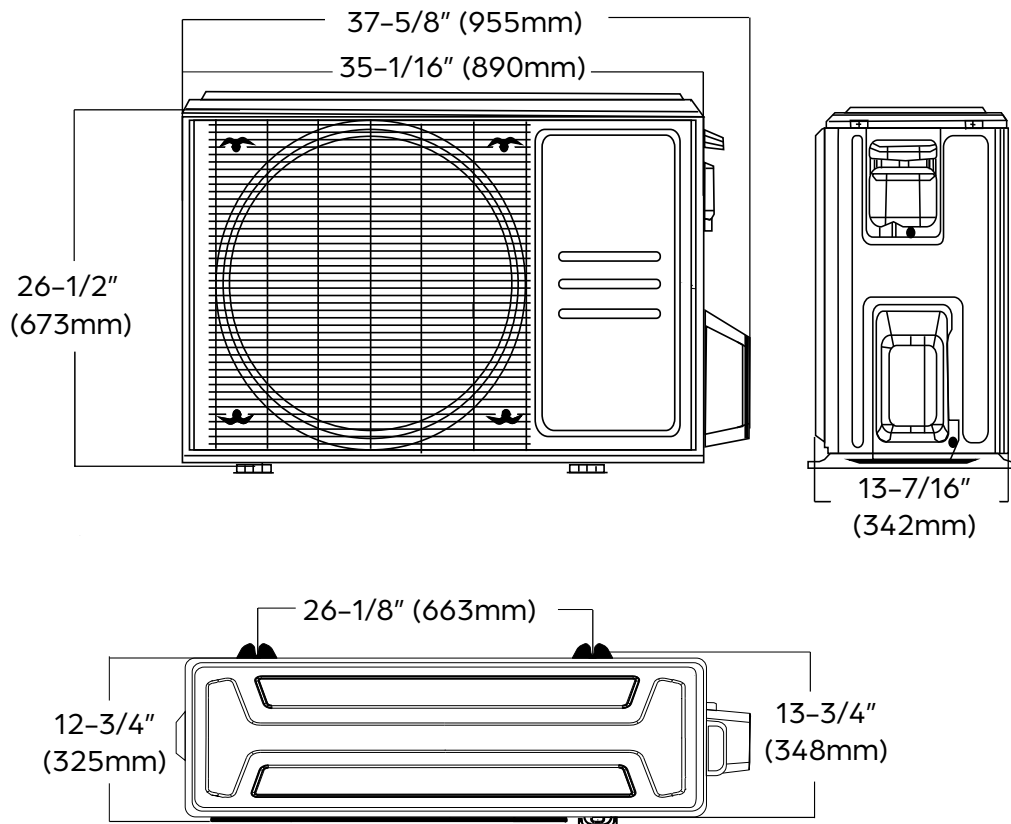
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ODU DIMENSIONS – DRA1U18S2A

### Clearances



### Dimensions



#### NOTE

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