



**SIRIUS HEAT™**

# 18,000 BTU/H SIRIUS HEAT AIR HANDLER SYSTEM

SUBMITTAL COVER SHEET

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

LOCATION \_\_\_\_\_


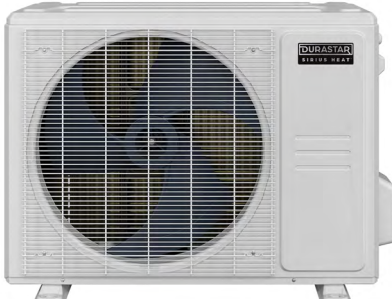

ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

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

Indoor Unit (IDU): DRAM18F1A	Outdoor Unit (ODU): DRA1H18S1A	WIRED REMOTE DRSTAT100
		

### PRODUCT FEATURES

- High heating capacity at 0°F
- High-efficiency constant volume variable speed motor
- Multi-position installation: horizontal (right or left), vertical (up or down)
- Built-in dehumidifier, humidifier, and IAQ ports
- All aluminum coil
- Anti-corrosive coil fin coating
- Low ambient heating down to -22°F
- Low ambient cooling down to 5°F
- Included base pan heater
- Refrigerant leak detection
- DRSTAT100 programmable thermostat included
- Automatic airflow configuration technology
- Multiple operation modes (Cool, Heat, Aux, Dry, Fan, Auto)
- 24V thermostat compatible
- Optional electric heat (not included)

SYSTEM DATA	
Refrigerant Type	R-410A
Refrigerant Charge (oz.)	65.26
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	
SEER2	17.6
EER2	11.7
HSPF2	9.6
COP at 47°F <sup>2</sup>	3.39
COP at 17°F <sup>4</sup>	2.70
COP at 5°F <sup>5</sup>	2.00

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F <sup>1</sup>	18000
	Maximum at 109°F	13800
	Maximum at 5°F <sup>3</sup>	18000
	Minimum	8600
	Maximum	20000
Heating Capacity (BTU/hr)	Rated at 47°F <sup>2</sup>	19000
	Rated at 17°F <sup>4</sup>	15400
	Rated at 5°F <sup>5</sup>	17000
	Minimum	9000
	Maximum	21000

Specifications are subject to change without notice.  
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## SIRIUS HEAT™

# 18,000 BTU/H SIRIUS HEAT AIR HANDLER SYSTEM SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (Insulated)	Ø1/4" (Ø6.35mm)
Gas (Insulated)	Ø1/2" (Ø12.7mm)
Pre-Charge Length	25'
Minimum Length	10'
Maximum Length	98'
Maximum Height Differential	66'
Additional Refrigerant (oz./ft)	0.16

OUTDOOR UNIT		
Unit Dimensions	Width	35-1/16"
	Depth	13-7/16"
	Height	26-1/2"
Carton Dimensions	Width	39-3/16"
	Depth	15-11/16"
	Height	32-11/16"
Net Weight	101.0 lbs.	
Gross Weight	114.6 lbs.	
Cooling Operating Temperature	5°F - 122°F	
Heating Operating Temperature	-22°F - 75°F	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Recommended Breaker (Amps)	25	
Minimum Circuit Ampacity (Amps)	20	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) <sup>1</sup>	9.1	
Rated Current - Heating (Amps) <sup>2</sup>	9.3	
Fan Motor RLA (Amps)	0.8	
Fan Motor Output (Watt)	80	
Sound Pressure (dB(A))	57.5	

INDOOR UNIT		
Unit Dimensions	Width	17-1/2"
	Depth	21"
	Height	45"
Carton Dimensions	Width	26-9/16"
	Depth	20-7/8"
	Height	48-5/8"
Net Weight	106.7 lbs	
Gross Weight	127.2 lbs	
Blower Motor Type	Constant Volume Variable Speed	
Indoor Unit Air Flow (CFM)	Low	488
	Medium	529
	High	576
	Turbo	618
Drain Port Size	3/4"	
Moisture Removal (Pints/day)	90	
Recommended Breaker (Amps)	15	
Indoor Fan Motor RLA (Amps)	2.0	
Sound Pressure (dB(A))	Low	35
	Medium	37
	High	39
Static Pressure Range <sup>6</sup> (in. wg.)	0 - 0.8	
Filter Dimensions (WDH) (in.)	16 x 20 x 1	

COMPRESSOR	
Type	DC Inverter Twin Rotary
Rated Current (RLA) (Amps)	14.25
Oil Type	Ester Oil VG74
Oil Charge (oz.)	21 (620ml)

AHRI Rated data is taken at a fixed compressor speed.

<sup>1</sup> AHRI Rated at 95°F (AFull).

<sup>2</sup> AHRI Rated at 47°F (H1Full).

<sup>3</sup> Maximum Capacity: Indoor 80°F DB, 67°F WB // Outdoor 5°F DB, 4°F WB

<sup>4</sup> AHRI Rated Capacity at 17°F (H32)

<sup>5</sup> AHRI Rated Capacity at 5°F (H42)

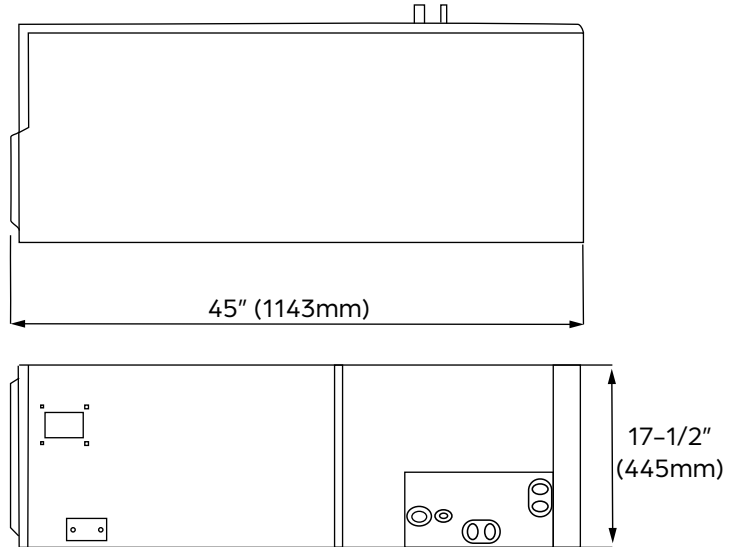
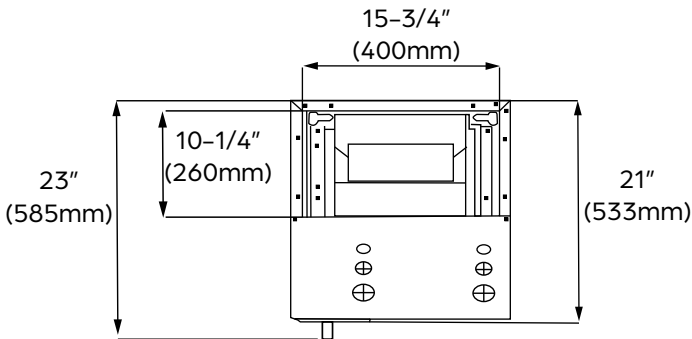
<sup>6</sup> Static pressure at full required airflow for AHRI testing is 0.5 in.WG.

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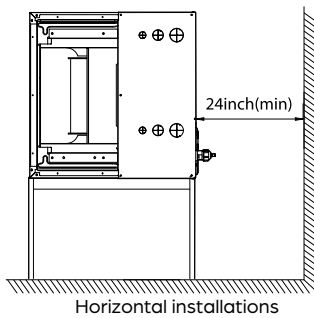
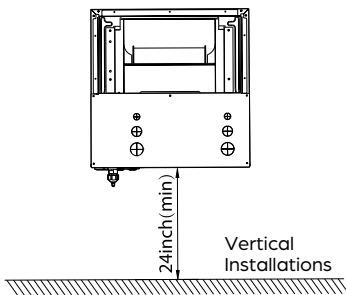
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## Dimensions



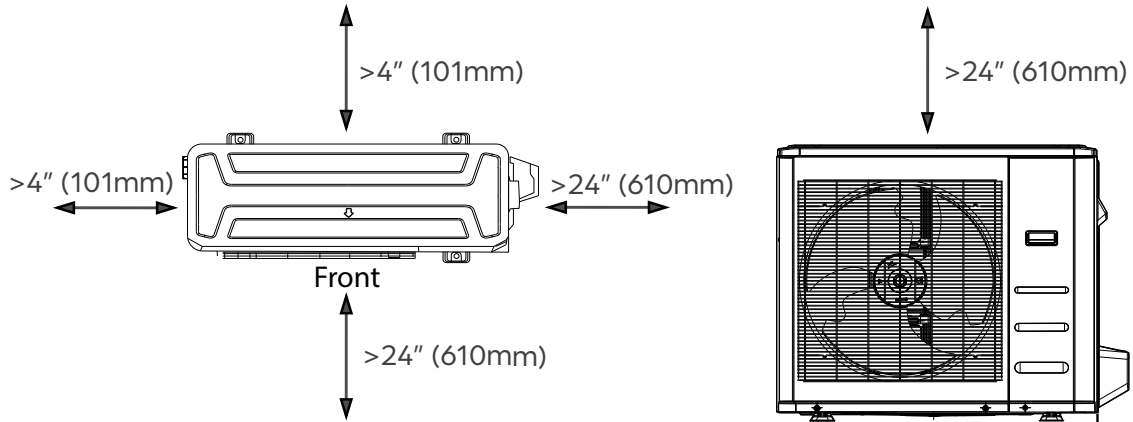
## Clearances



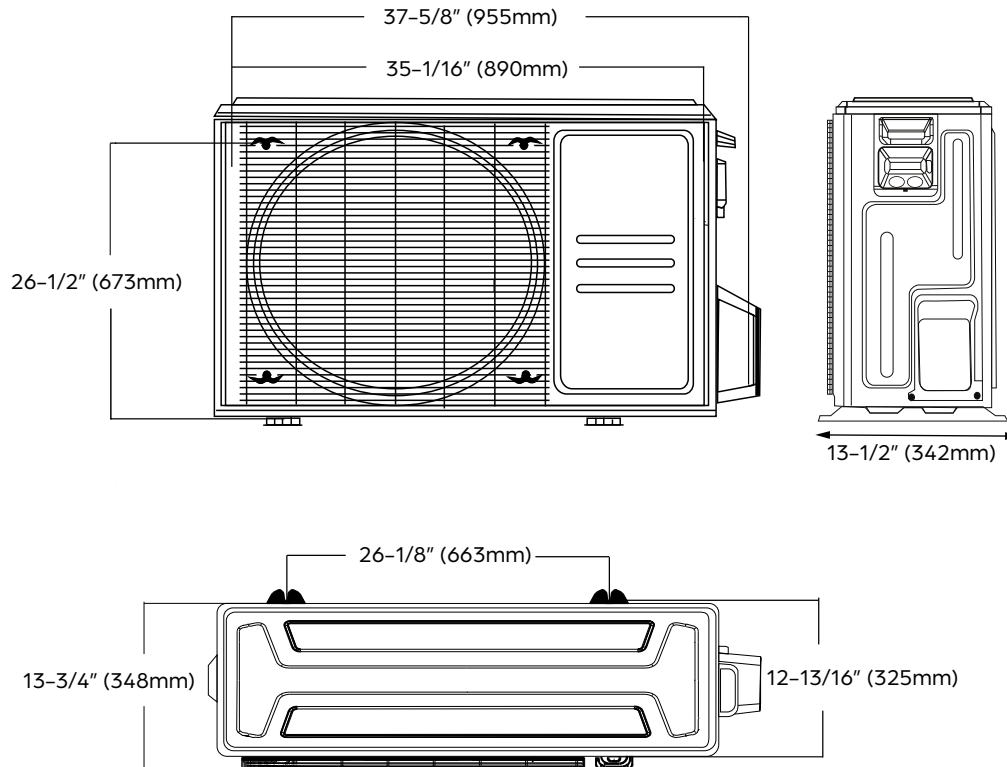
## Auxiliary Electric Heaters (Optional)

Model	Size
DRHTR05BRKA	5kW
DRHTR08BRKA	8kW
DRHTR10BRKA	10kW

### Clearances



### Dimensions



### NOTE

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