



60,000 BTU/H AIR HANDLER HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____




ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAM60S1A	Outdoor Unit (ODU): DRA1U60S1A	WIRED REMOTE DRSTAT100
		

PRODUCT FEATURES

- 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 -13°F
- Low ambient cooling down to 5°F
- Included base pan heater
- 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)

EFFICIENCY DATA	
SEER2	14.9
EER2	8.8
HSPF2	8.5
COP at 47°F ²	3.46
COP at 17°F ⁴	2.40
COP at 5°F ⁵	1.90

SYSTEM DATA	
Refrigerant Type	R-410A
Refrigerant Charge (oz.)	172.84
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F ¹	57000
	Maximum at 109°F	42500
	Maximum at 5°F ³	57000
	Minimum	12800
	Maximum	60200
Heating Capacity (BTU/hr)	Rated at 47°F ²	60000
	Rated at 17°F ⁴	37000
	Rated at 5°F ⁵	34600
	Minimum	12000
	Maximum	63100

Specifications are subject to change without notice.
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60,000 BTU/H AIR HANDLER HEAT PUMP SYSTEM SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare or Braze
Liquid (Insulated)	Ø3/8" (Ø9.52mm)
Gas	Ø7/8" (Ø22.00mm)
Pre-Charge Length	25'
Minimum Length	10'
Maximum Length	213'
Maximum Height Differential	98'
Additional Refrigerant (oz./ft)	0.69

OUTDOOR UNIT		
Unit Dimensions	Width	37-1/2"
	Depth	16-7/8"
	Height	52-1/2"
Carton Dimensions	Width	43-1/8"
	Depth	19-1/2"
	Height	58-5/16"
Net Weight	217 lbs.	
Gross Weight	248 lbs.	
Cooling Operating Temperature	5°F - 122°F	
Heating Operating Temperature	-13°F - 75°F	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Recommended Breaker (Amps)	60	
Minimum Circuit Ampacity (Amps)	34	
Communication Wire Size	16/2 AWG Stranded Shielded or 18/8 Thermostat Wire	
Rated Current - Cooling (Amps) ¹	29.0	
Rated Current - Heating (Amps) ²	20.9	
Fan Motor RLA (Amps)	2.4	
Fan Motor Output (Watt)	85	
Sound Pressure (dB(A))	60	

INDOOR UNIT		
Unit Dimensions	Width	24-1/2"
	Depth	21"
	Height	53"
Carton Dimensions	Width	28"
	Depth	26-13/16"
	Height	56-1/2"
Net Weight	163 lbs.	
Gross Weight	193 lbs.	
Blower Motor Type	Constant Volume Variable Speed	
Indoor Unit Air Flow (CFM)	Low	1135
	Medium	1359
	High	1582
	Turbo	1806
Drain Port Size	3/4"	
Moisture Removal (Pints/day)	264	
Recommended Breaker (Amps)	15	
Indoor Fan Motor RLA (Amps)	7.0	
Sound Pressure (dB(A))	Low	43
	Medium	48
	High	52
Static Pressure Range ⁶ (in. wg.)	0 - 0.8	
Filter Dimensions (WDH) (in.)	24 x 20 x 1	

COMPRESSOR	
Type	Inverter Rotary
Rated Current (RLA) (Amps)	24.6
Oil Type	Ester Oil VG74
Oil Charge (oz.)	47.3 (1400ml)

AHRI Rated data is taken at a fixed compressor speed.

¹ AHRI Rated at 95°F (AFull).

² AHRI Rated at 47°F (H1Full).

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

⁴ AHRI Rated Capacity at 17°F (H32)

⁵ AHRI Rated Capacity at 5°F (H42)

⁶ Static pressure at full required airflow for AHRI testing is 0.5 in.WG.

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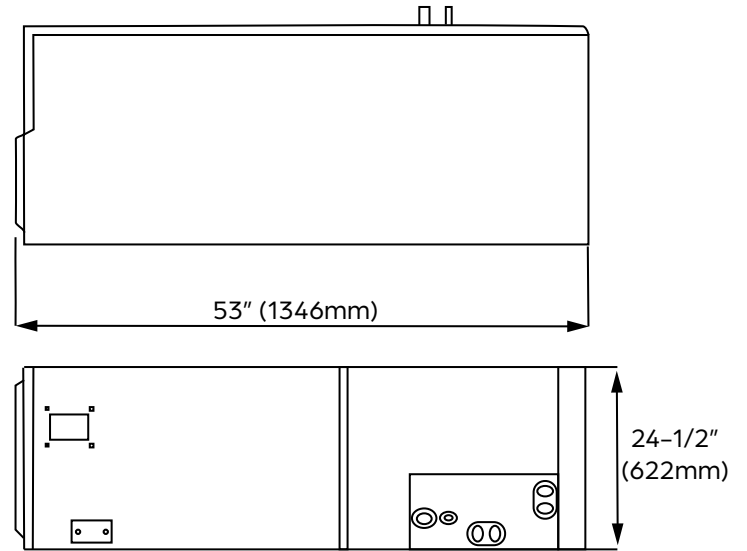
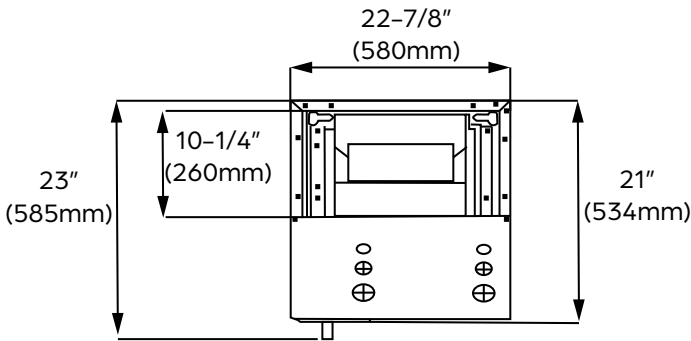
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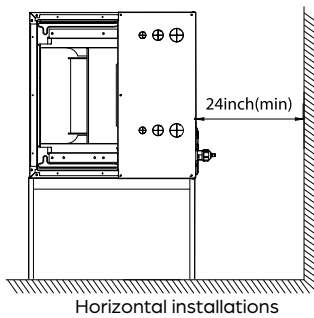
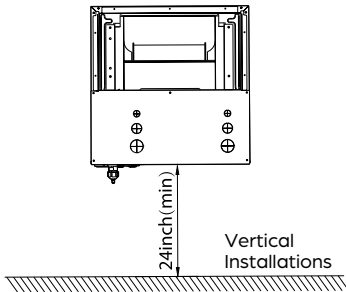
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IDU DIMENSIONS - DRAM60S1A

Dimensions



Clearances



Auxiliary Electric Heaters (Optional)

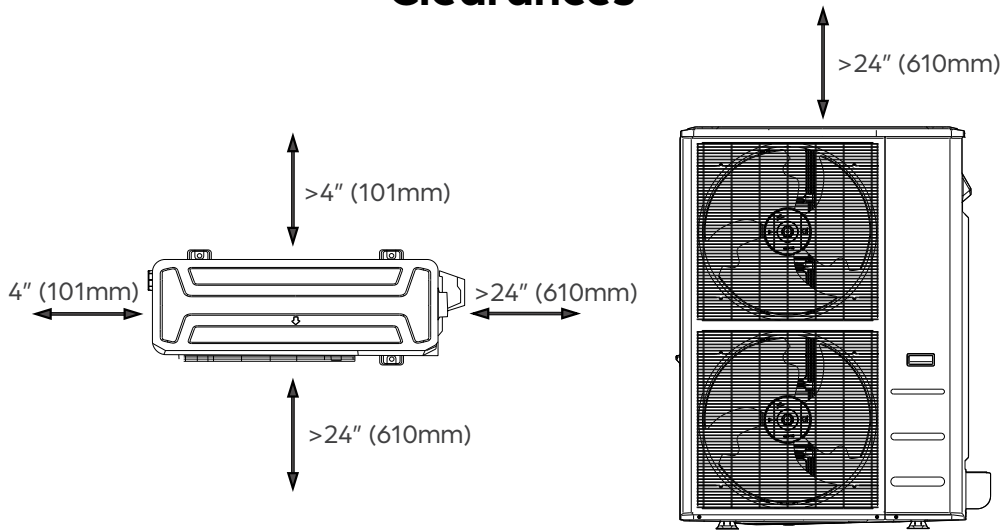
Model	(Btu/h)
DRHTR10BRKA	10kW
DRHTR15BRKA	15kW



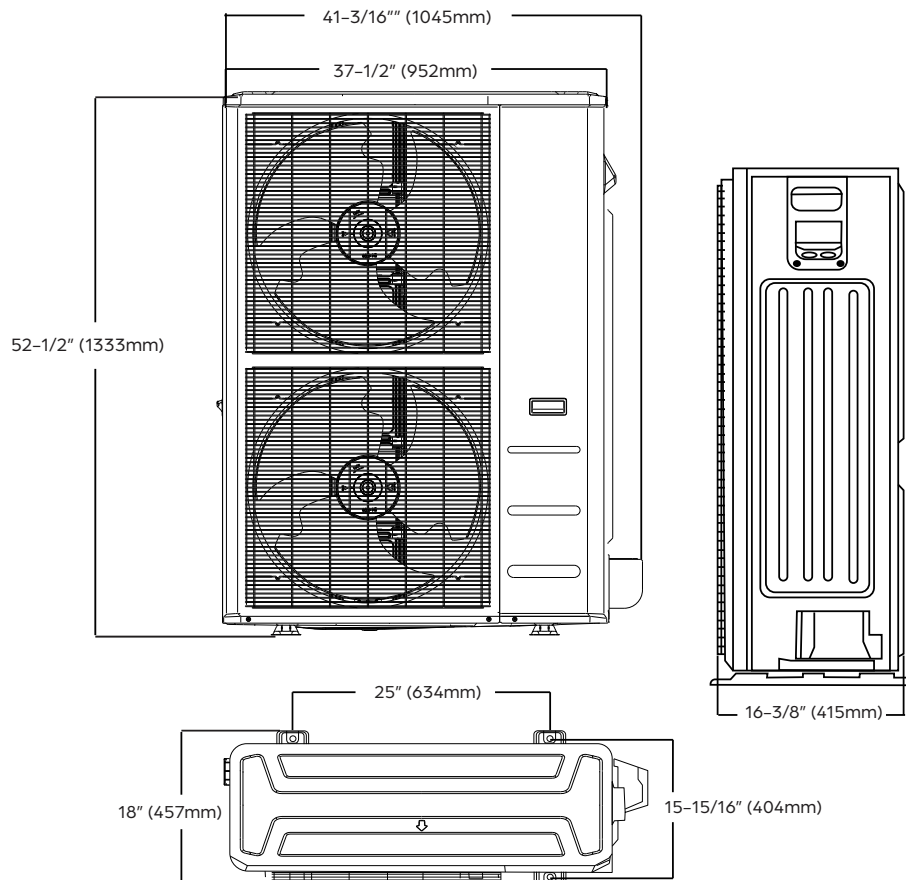
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ODU DIMENSIONS - DRA1U60S1A

Clearances



Dimensions



NOTE

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

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