PROJECT NAME

LOCATION

ARCHITECT

ENGINEER

CONTRACTOR

REFERENCE

SUBMITTED BY _____ **DATE** _____

Indoor Unit (IDU): DRAM36S1A	Outdoor Unit (ODU): DRA1U36S1A	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	16.9
EER2	10.1
HSPF2	8.2
COP at 47°F[2]	3.40
COP at 17°F[4]	2.42
COP at 5°F[5]	1.90

SYSTEM DATA

Refrigerant Type	R–410A
Refrigerant Charge (oz.)	130.51
Design Pressure (PSIG)	550/340
Indoor/ Oudoor Coil Coating	Golden Fin Coating

CAPACITIES

Cooling Capacity (BTU/hr)	Rated at 95°F[1]	36000
	Maximum at 109°F	27000
	Maximum at 5°F[3]	40000
	Minimum	8900
	Maximum	38900
Heating Capacity (BTU/hr)	Rated at 47°F[2]	36000
	Rated at 17°F[4]	20500
	Rated at 5°F[5]	21000
	Minimum	9700
	Maximum	36400

Form No. V1.0_11.23

LINE SET REQUIREMENTS

Connection Type	Flare or Braze
Liquid (Insulated)	Ø3/8" (Ø9.52mm)
Gas	Ø3/4" (Ø19.10mm)
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	37–1/4"
	Depth	16–1/8"
	Height	31–7/8"
Carton Dimensions	Width	42–15/16"
	Depth	19–11/16"
	Height	34–7/8"
Net Weight	152 lbs.	
Gross Weight	161 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)	40	
Minimum Circuit Ampacity (Amps)	24	
Communication Wire Size	16/2 AWG Stranded Shielded or 18/8 Thermostat Wire	
Rated Current – Cooling (Amps)[1]	15.8	
Rated Current – Heating (Amps)[2]	15.8	
Fan Motor RLA (Amps)	1.5	
Fan Motor Output (Watt)	120	
Sound Pressure (dB(A))	60	

INDOOR UNIT

Unit Dimensions	Width	21"
	Depth	21"
	Height	49"
Carton Dimensions	Width	26–9/16"
	Depth	24–7/16"
	Height	52–9/16"
Net Weight	129 lbs.	
Gross Weight	156 lbs.	
Blower Motor Type	Constant Volume Variable Speed	
Indoor Unit Air Flow (CFM)	Low	865
	Medium	971
	High	1082
	Turbo	1188
Drain Port Size	3/4"	
Moisture Removal (Pints/day)	183	
Recommended Breaker (Amps)	15	
Indoor Fan Motor RLA (Amps)	4.0	
Sound Pressure (dB(A))	Low	40.0
	Medium	42.5
	High	45.5
Static Pressure Range[6] (in. wg.)	0 – 0.8	
Filter Dimensions (WDH) (in.)	20 x 20 x 1	

COMPRESSOR

Type	Inverter Rotary
Rated Current (RLA) (Amps)	17.6
Oil Type	Ester Oil VG74
Oil Charge (oz.)	22.7 (670ml)

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.

DURASTAR®

Dimensions

19–5/16″ (490mm)

10–1/4″ (260mm)

23″ (585mm)

21″ (534mm)

49″ (1245mm)

21″ (534mm)

Clearances

24inch(min)

Vertical Installations

24inch(min)
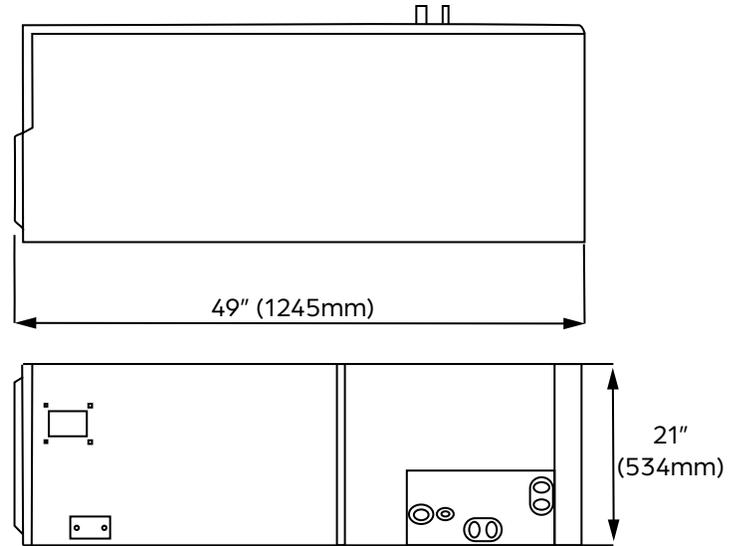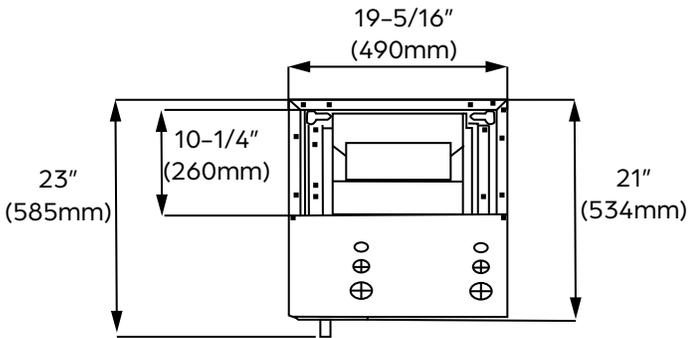
Horizontal installations
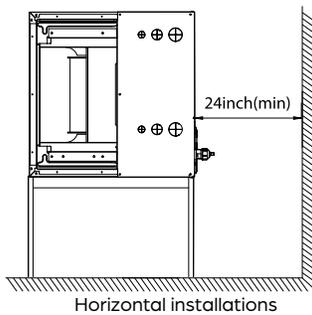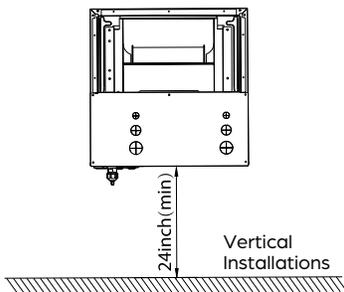
Auxiliary Electric Heaters (Optional)

Model	(Btu/h)
DRHTR05BRKA	5kW
DRHTR08BRKA	8kW
DRHTR10BRKA	10kW
DRHTR15BRKA	15kW

Form No. V1.0_11.23

Clearances

>4" (101mm)

>4" (101mm)

>24" (610mm)

Front

>24" (610mm)

>24" (610mm)

Dimensions

40–9/16" (1030mm)

37–1/4" (946mm)

31–7/8" (810mm)

16–1/4" (410mm)

26–1/2" (673mm)

17–15/16" (455mm)

15–7/8" (403mm)
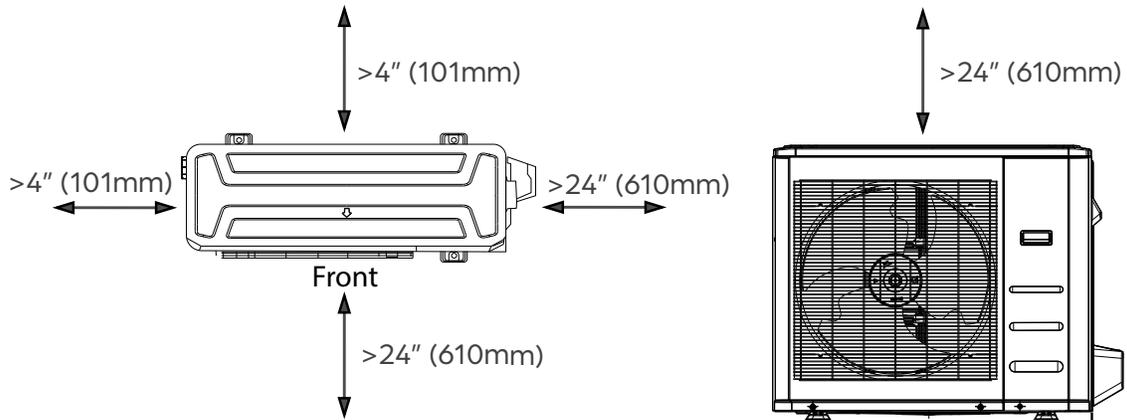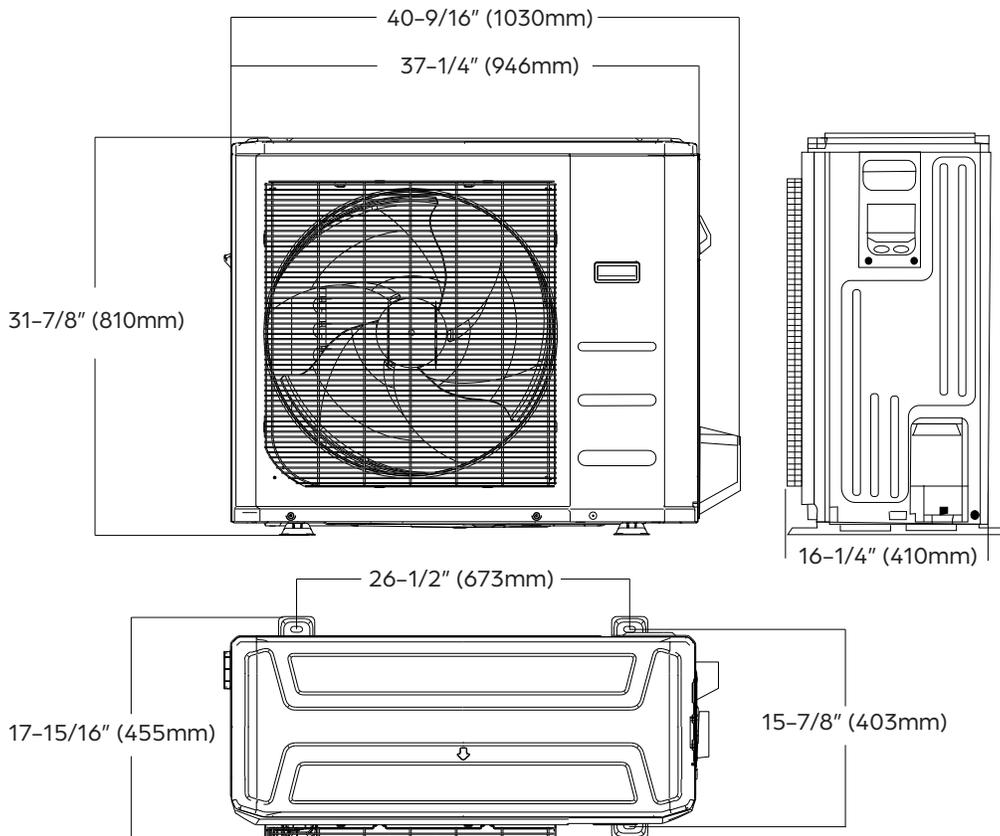
NOTE

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