PROJECT NAME _____

LOCATION _____

ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ **DATE** _____

Indoor Unit (IDU): DRAM18F1A	Outdoor Unit (ODU): DRA1U18S1B	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
- 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.)	56.44
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

CAPACITIES

Cooling Capacity (BTU/hr)	Rated at 95°F[1]	18000
	Maximum at 109°F	14400
	Maximum at 5°F[3]	18000
	Minimum	6400
	Maximum	19600
Heating Capacity (BTU/hr)	Rated at 47°F[2]	19000
	Rated at 17°F[4]	13200
	Rated at 5°F[5]	12800
	Minimum	5200
	Maximum	21000

EFFICIENCY DATA

SEER2	17.8
EER2	11.7
HSPF2	9.3
COP at 47°F[2]	3.55
COP at 17°F[4]	2.65
COP at 5°F[5]	2.31

Form No. V1.0_11.23

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	94 lbs.	
Gross Weight	101 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)	30	
Minimum Circuit Ampacity (Amps)	19	
Communication Wire Size	14*4 AWG Stranded	
Rated Current – Cooling (Amps)[1]	6.6	
Rated Current – Heating (Amps)[2]	7.0	
Fan Motor RLA (Amps)	0.76	
Fan Motor Output (Watt)	80	
Sound Pressure (dB(A))	57.0	

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	107 lbs.	
Gross Weight	127 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)	82	
Recommended Breaker (Amps)	15	
Indoor Fan Motor RLA (Amps)	2	
Sound Pressure (dB(A))	Low	31.5
	Medium	33.0
	High	36.5
Static Pressure Range[6] (in. wg.)	0 – 0.8	
Filter Dimensions (WDH) (in.)	16 x 20 x 1	

COMPRESSOR

Type	DC Rotary Inverter
Rated Current (RLA) (Amps)	12
Oil Type	Ester Oil VG74
Oil Charge (oz.)	14.9 (440ml)

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

15–3/4"
(400mm)

10–1/4"
(260mm)

23"
(585mm)

21"
(533mm)

45" (1143mm)

17–1/2"
(445mm)

Clearances

24inch(min)

Vertical
Installations

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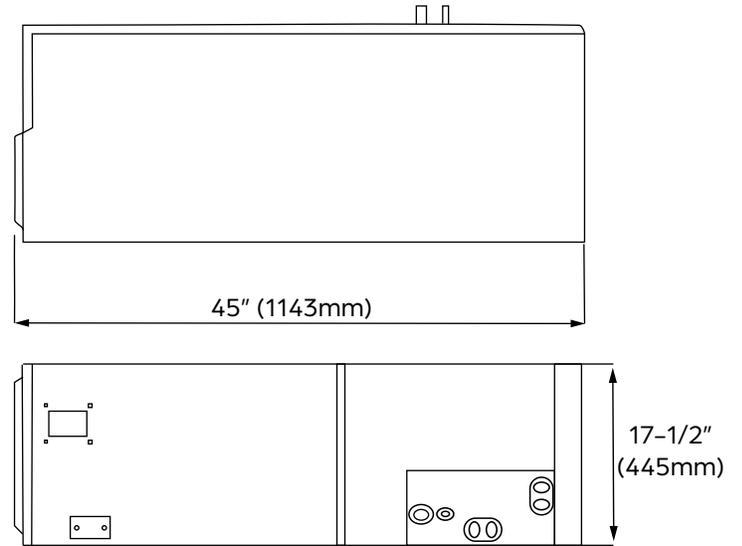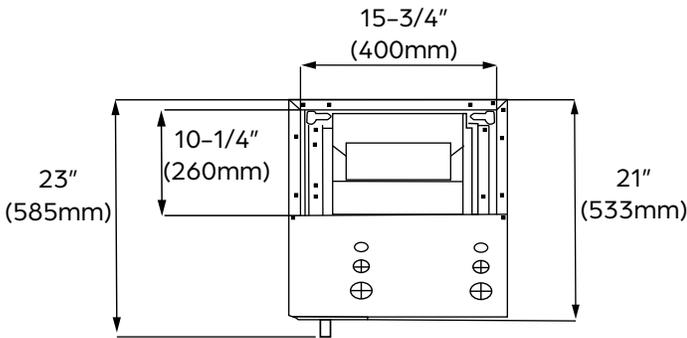
Horizontal installations
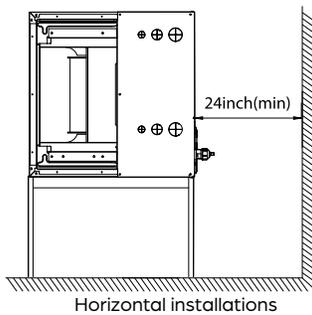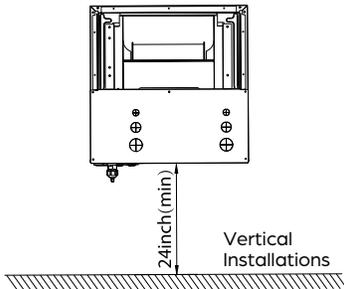
Auxiliary Electric Heaters (Optional)

Model	Size
DRHTR05BRKA	5kW
DRHTR08BRKA	8kW
DRHTR10BRKA	10kW

Clearances

>4" (101mm)

>4" (101mm)

>24" (610mm)

Front

>24" (610mm)

>24" (610mm)

Dimensions

37–5/8" (955mm)

35–1/16" (890mm)

26–1/2" (673mm)

13–1/2" (342mm)

26–1/8" (663mm)

13–7/16" (342mm)

13–15/16" (354mm)
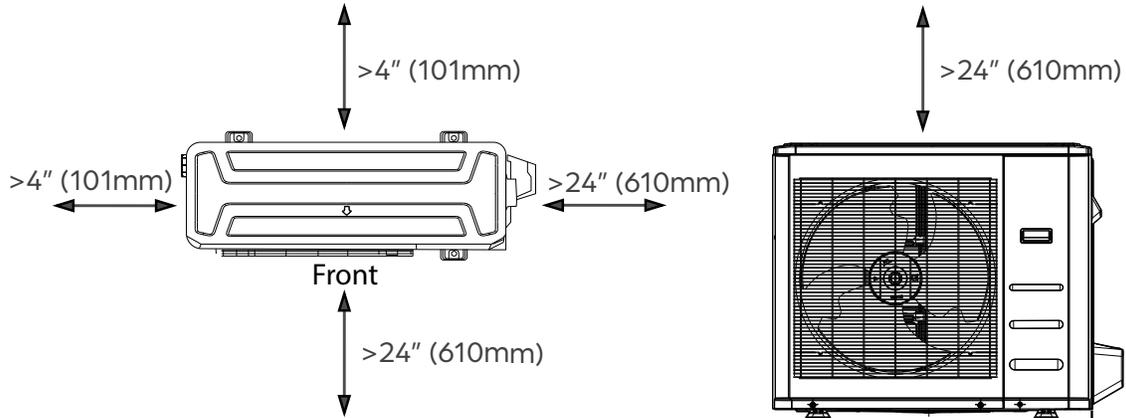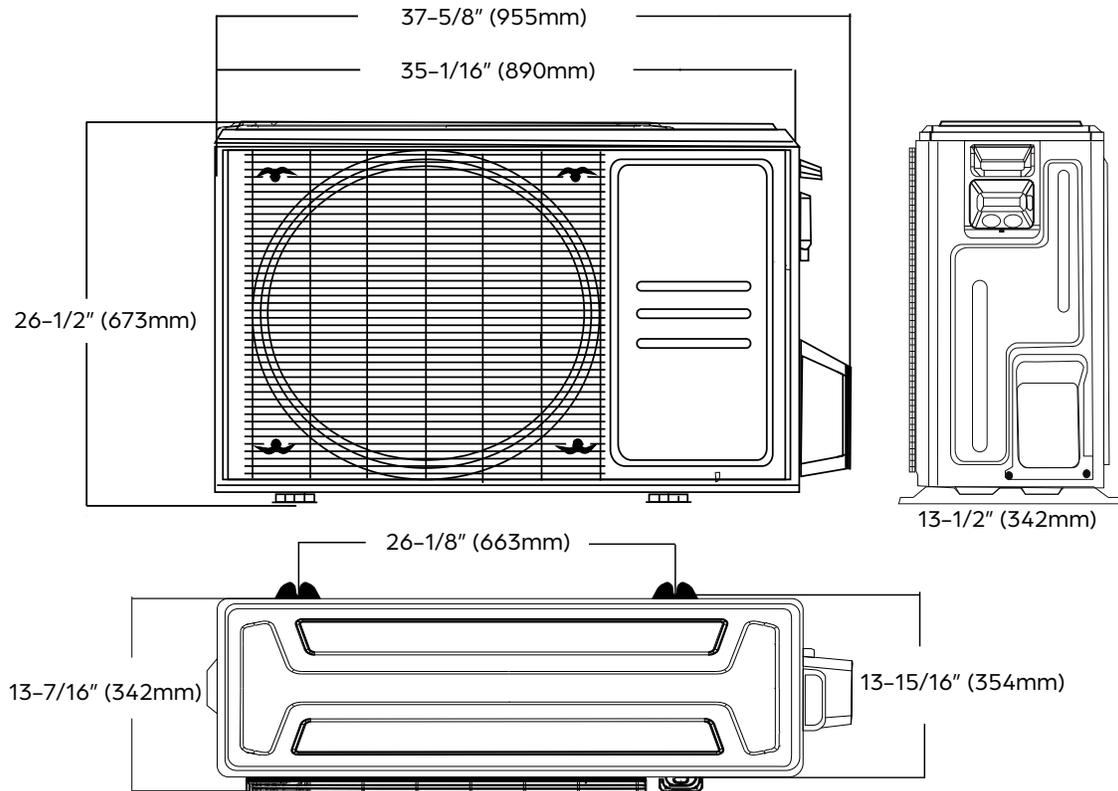
NOTE

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