



# 9,000 BTU/H SLIM DUCTED IDU

SUBMITTAL COVER SHEET

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

LOCATION \_\_\_\_\_

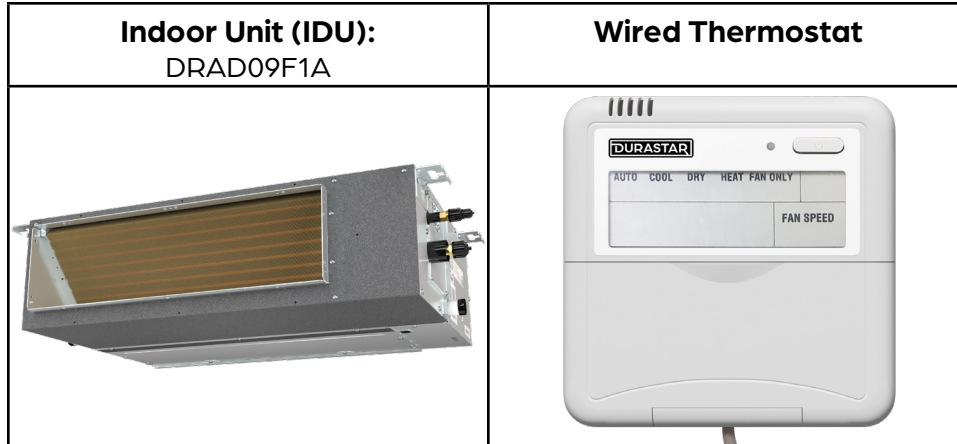
ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

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



## CAPACITIES

Cooling Capacity (BTU/hr)	Rated	9000
Heating Capacity (BTU/hr)	Rated	10000

## ELECTRICAL DATA

Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz
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## LINE SET REQUIREMENTS

Connection Type	Flare
Liquid	Ø1/4" (Ø6.35mm)
Gas	Ø3/8" (Ø9.52mm)
Drain Port O.D. / Drain Hose I.D.	Ø1" (Ø25mm)

## INDOOR UNIT DIMENSIONS

Unit Dimensions	Width	27 9/16"
	Depth	19 15/16"
	Height	7 7/8"
Carton Dimensions	Width	33 7/8"
	Depth	21 1/4"
	Height	11 1/4"
Net Weight	39.0 lbs.	
Gross Weight	50.0 lbs.	

## INDOOR UNIT FAN DATA

Air Flow (CFM)	Low	177
	Medium	283
	High	353
Type	DC	
RLA	1.11	
Sound Pressure (dB(A))	Low	32
	Medium	35
	High	38
Static Pressure (in wg)	0-0.16	

## PRODUCT FEATURES

- Wired Thermostat Included
- Auto Restart
- Auto Changeover
- 24-hour Timer



Specifications are subject to change without notice.

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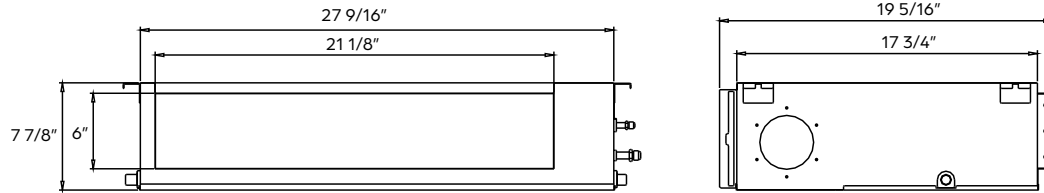
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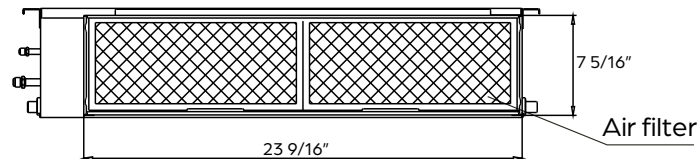
## 9,000 BTU/H SLIM DUCTED IDU

DIMENSIONS – DRAD09F1A

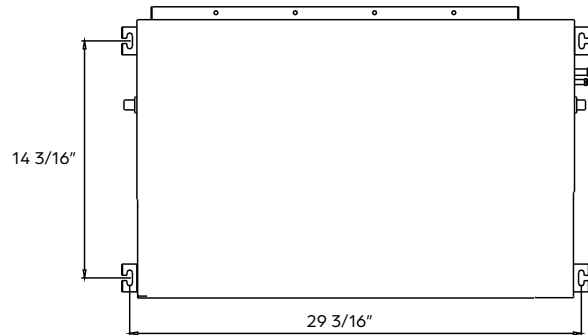
### Unit and air outlet dimensions



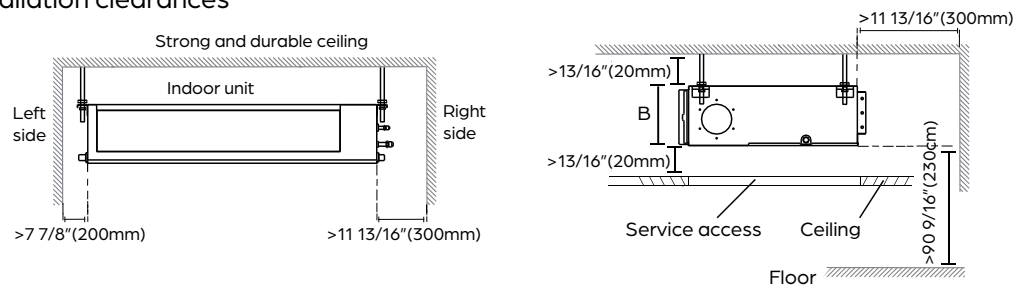
### Air inlet dimensions



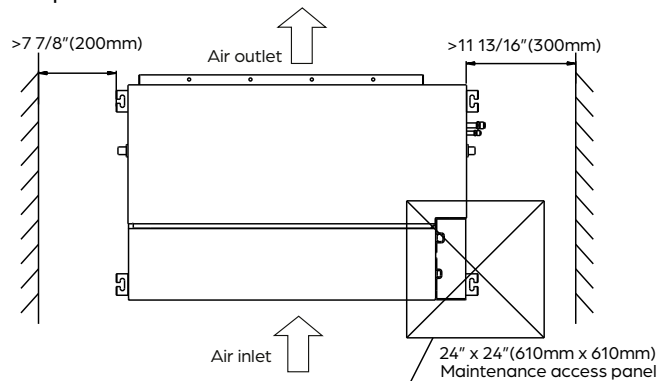
### Mounting dimensions for ceiling bolts



### Installation clearances



### Maintenance access panel





**SIRIUS HEAT™**

# 18,000 BTU/H SIRIUS HEAT MULTI-ZONE HEAT PUMP

SUBMITTAL COVER SHEET

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

LOCATION \_\_\_\_\_

ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

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

**Multi-Zone Outdoor Unit (ODU):**  
DRA2H18M1A



## PRODUCT FEATURES

- High heating capacity at 0°F
- Variable speed inverter compressor
- Low ambient heating down to -22°F
- Low ambient cooling down to 5°F
- Quiet operation
- Included base pan heater
- Auto restart
- Anti-corrosive coil coating
- Port adaptors included

CAPACITIES		DUCTLESS	MIXED	DUCTED
Cooling (BTU/hr)	Rated <sup>1</sup>	19000	19000	19000
	at 5 °F <sup>3</sup>	16870	16170	15470
	Minimum	5100	5150	5200
	Maximum	22700	22850	23000
Heating (BTU/hr)	Rated <sup>2</sup>	20000	20000	20000
	at 5 °F <sup>4</sup>	18000	18500	19000
	Minimum	7900	7150	6400
	Maximum	25000	16500	28000
Nominal ODU Capacity <sup>5</sup>			18000	

## SYSTEM DATA

Refrigerant Type	R-410A
Refrigerant Charge (oz.)	91.7
Design Pressure (PSIG)	550/340
Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	DUCTLESS	MIXED	DUCTED
SEER2	20.50	19.75	19.00
EER2	12.50	12.25	12.00
HSPF2	9.00	9.15	9.30
SEER	20.50	19.75	19.00
EER	12.50	12.00	11.50
HSPF	9.70	9.75	9.80
COP at 47°F	3.60	3.54	3.48
COP at 5°F	1.80	1.83	1.85



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## SIRIUS HEAT™

# 18,000 BTU/H SIRIUS HEAT MULTI-ZONE HEAT PUMP

SPECIFICATIONS - DRA2H18M1A

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	2 x Ø1/4" (Ø6.35mm)
Gas	2 x Ø3/8" (Ø9.52mm)
Refrigeration Adaptors Included	2 x 3/8"--1/2"
Minimum Indoor Units Connected	2
Pre-Charge Length	49'
Maximum Length (combined IDUs)	131'
Maximum Length (per IDU)	82'
Minimum Length (per IDU)	10'
Max. Height Differential between IDU and ODU	49'
Max. Height Differential between IDUs	33'
Additional Refrigerant for Ø1/4" Liquid Pipe (oz./ft)	.161

ELECTRICAL DATA	DUCTLESS	DUCTED
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>	9.0	9.5
Rated Current - Heating (Amps) <sup>2</sup>	9.0	9.0

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

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

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

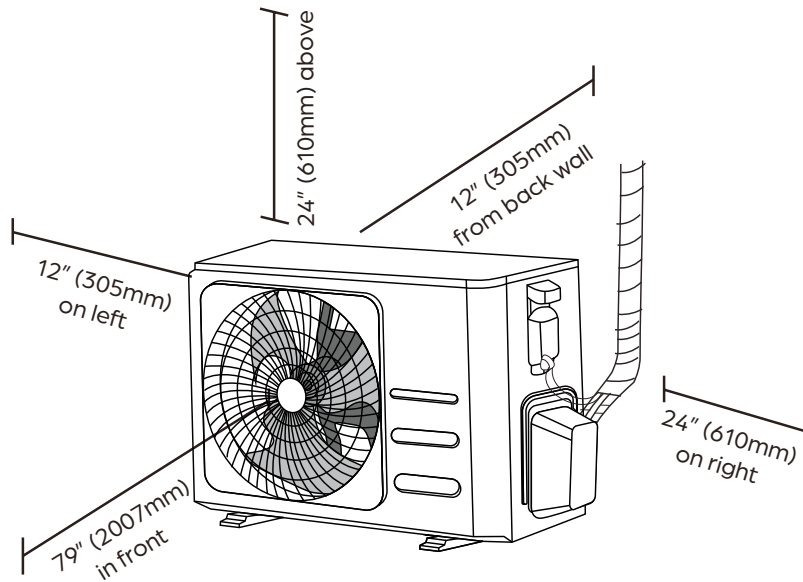
<sup>4</sup> AHRI Rated Capacity at 5°F (H42)

<sup>5</sup> If the total indoor unit load exceeds the nominal capacity of the outdoor unit, the practical output capacity of each indoor unit will be correspondingly reduced. This situation is very evident during heating mode.

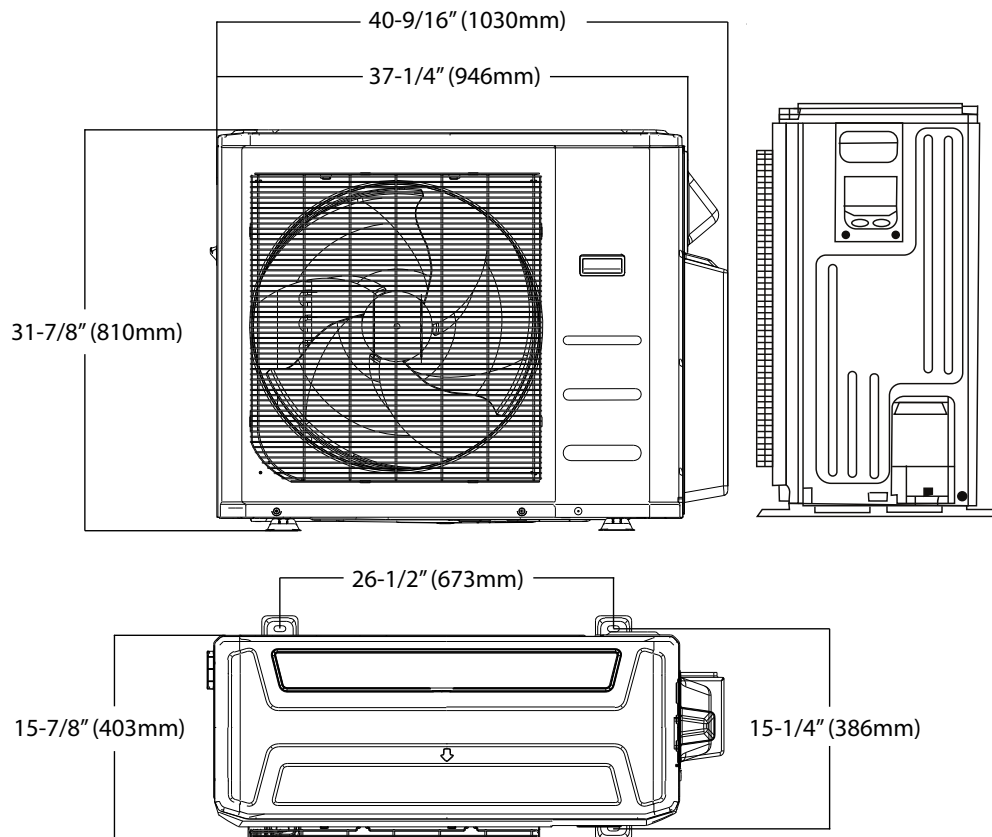
OUTDOOR UNIT DATA		
Unit Dimensions	Width	37-1/4"
	Depth	16-1/8"
	Height	31-7/8"
Carton Dimensions	Width	42-15/16"
	Depth	19-11/16"
	Height	36-13/16"
Net Weight	138 lbs.	
Gross Weight	149 lbs.	
Cooling Operating Temperature	5°F - 122°F	
Heating Operating Temperature	-22°F - 75°F	
Airflow (CFM)	2129	
Sound Pressure (dB(A))	61	
Fan Speed (r/min)	Low	850
	Med	900
	High	1050
Fan Motor Current Type	DC	

COMPRESSOR	
Type	DC Inverter Twin Cylinder Rotary
Oil Type	VG74
Oil Charge (oz.)	21 (620ml)

### Clearances



### Dimensions



## NOTE

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