



# 18,000 BTU/H SLIM DUCTED IDU

SUBMITTAL COVER SHEET

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

LOCATION \_\_\_\_\_

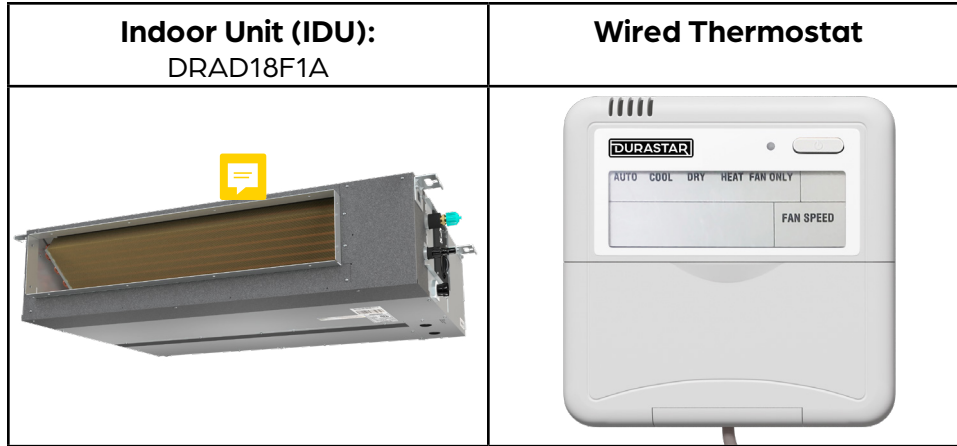
ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

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



CAPACITIES		
Cooling Capacity (BTU/hr)	Rated	18000
Heating Capacity (BTU/hr)	Rated	18000

ELECTRICAL DATA	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø1/4" (Ø6.35mm)
Gas	Ø1/2" (Ø12.7mm)
Drain Port O.D. / Drain Hose I.D.	Ø1" (Ø25mm)

INDOOR UNIT DIMENSIONS		
Unit Dimensions	Width	34 5/8"
	Depth	26 9/16"
	Height	8 1/4"
Carton Dimensions	Width	42 1/8"
	Depth	28 9/16"
	Height	11"
Net Weight	55.3 lbs.	
Gross Weight	67.0 lbs.	

INDOOR UNIT FAN DATA		
Air Flow (CFM)	Low	371
	Medium	450
	High	530
Type	DC	
RLA	1.2	
Sound Pressure (dB(A))	Low	35
	Medium	37
	High	39
Static Pressure (in wg)	0-0.40	

### PRODUCT FEATURES

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

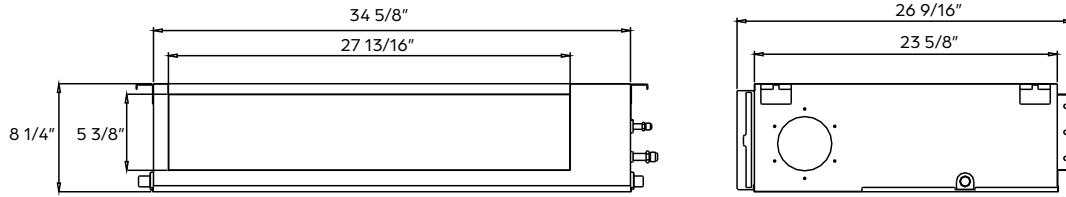




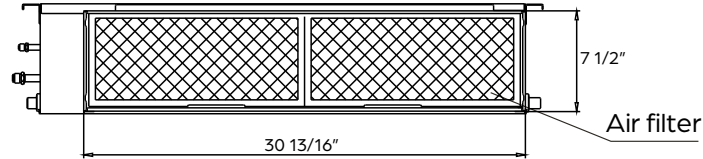
# 18,000 BTU/H SLIM DUCTED IDU

DIMENSIONS - DRAD18F1A

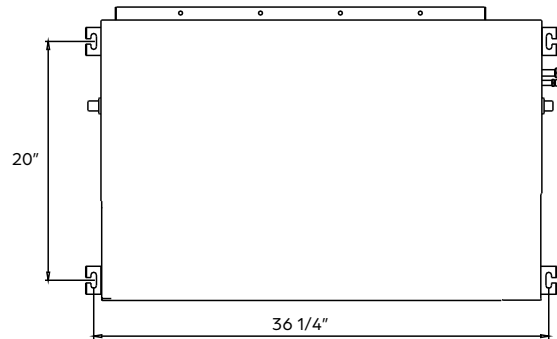
## Unit and air outlet dimensions



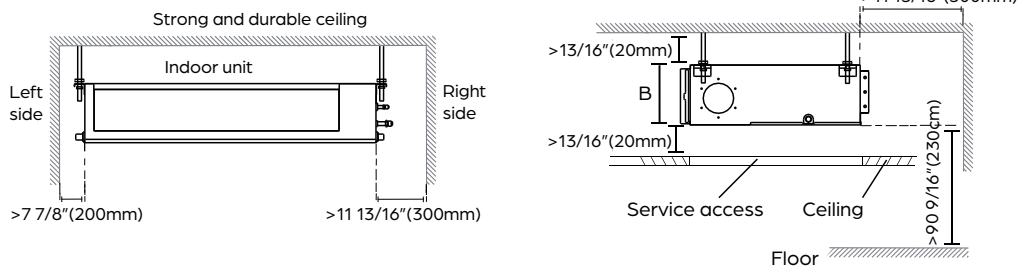
## Air inlet dimensions



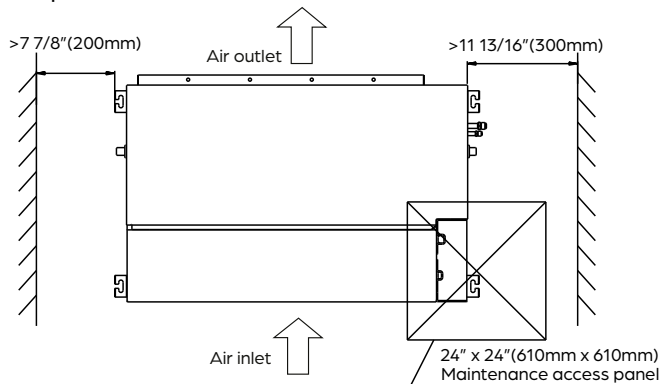
## Mounting dimensions for ceiling bolts



## Installation clearances



## Maintenance access panel





# 18,000 BTU/H WALL MOUNTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

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

LOCATION \_\_\_\_\_



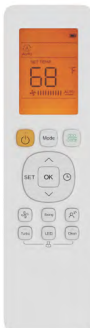
ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

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

Indoor Unit (IDU): DRAW18F1B	Outdoor Unit (ODU): DRA1U18S1B	Wireless Remote Control
		

## PRODUCT FEATURES

- Wireless Remote Control with "Follow Me" Technology
- Variable Speed Inverter Compressor
- Auto Restart
- Sleep Mode
- Turbo Mode
- 24-Hour Timer Feature
- Quiet operation
- 46°F Freeze Protection
- Low ambient heating down to -13 °F
- Low ambient cooling down to 5 °F
- Included base pan heater
- Refrigerant leak detection
- Anti-corrosive fin coating

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95 °F	18000
	Sensible at 5 °F <sup>3</sup>	13780
	Minimum	1980
	Maximum	19500
Heating Capacity (BTU/hr)	Rated at 47 °F	18000
	Maximum at 5 °F <sup>4</sup>	11300
	Minimum	6620
	Maximum	19500

SYSTEM DATA	
Refrigerant Type	R-410A
Refrigerant Charge (oz.)	56.44
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	
SEER2	24.0
EER2	13.5
HSPF2	10.5
SEER	24.0
EER	13.5
HSPF	11.6
COP at 47 °F	3.74
COP at 5 °F	2.23





# 18,000 BTU/H WALL MOUNTED HEAT PUMP SYSTEM

SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø1/4" (Ø6.35mm)
Gas	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	29 1/8"
Net Weight	94.4 lbs.	
Gross Weight	101.0 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)	25	
Minimum Circuit Ampacity (Amps)	17	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) <sup>1</sup>	5.94	
Rated Current - Heating (Amps) <sup>2</sup>	6.31	
Sound Pressure (dB(A))	58.8	

INDOOR UNIT		
Unit Dimensions	Width	42 5/8"
	Depth	9 5/8"
	Height	13 1/4"
Carton Dimensions	Width	45 1/2"
	Depth	12 3/8"
	Height	16 5/16"
Net Weight	29.5 lbs.	
Gross Weight	37.5 lbs.	
Indoor Unit Air Flow (CFM)	Low	382
	Medium	459
	High	531
Moisture Removal (Pints/day)	87.36	
Drain Port O.D.	Ø5/8" (Ø16mm)	
Recommended Breaker (Amps)	15	
Sound Pressure (dB(A))	Low	25
	Medium	41
	High	46

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz.)	14.88 oz. (440ml)

<sup>1</sup> Measured at 95 °F.

<sup>2</sup> Measured at 47 °F.

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

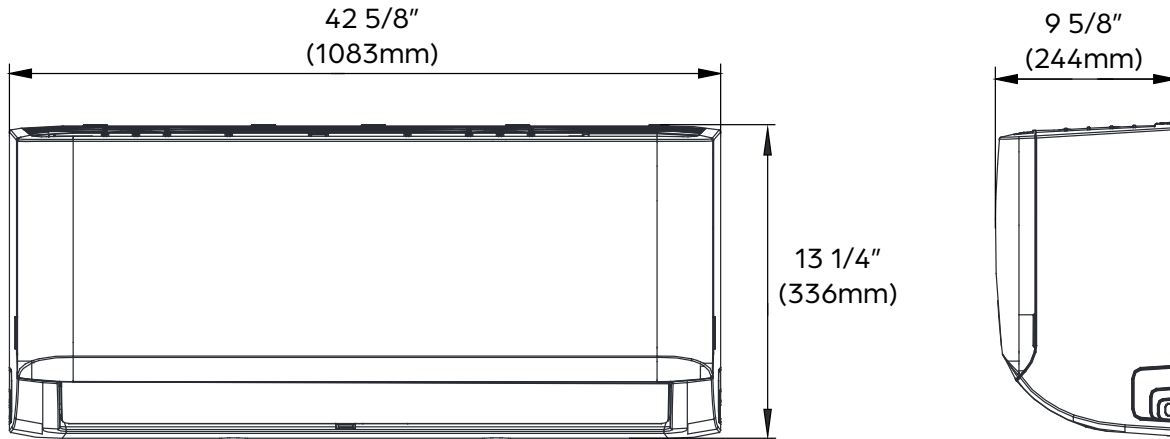
<sup>4</sup> Maximum Capacity: Indoor 70 °F DB, 67 °F WB // Outdoor 5 °F DB, 4 °F WB



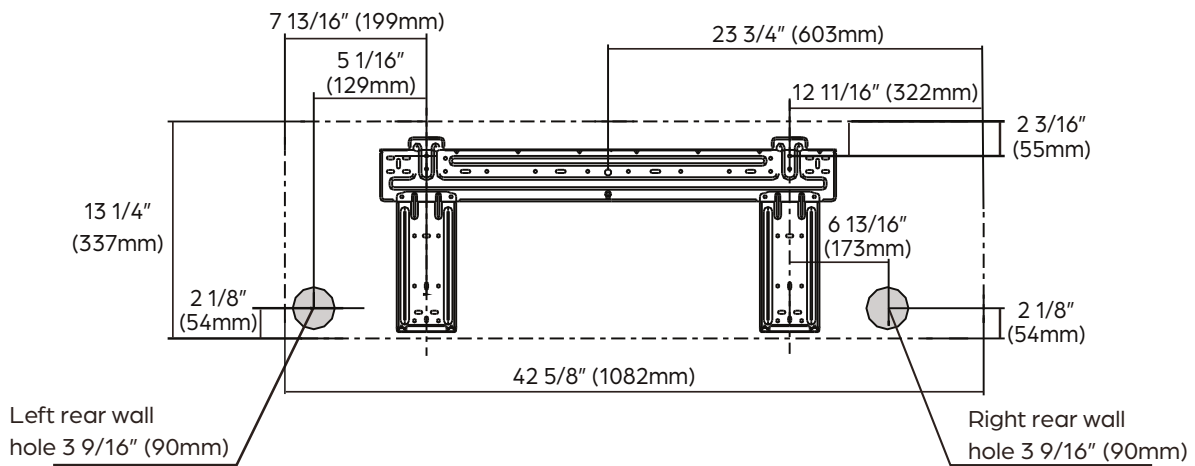
# 18,000 BTU/H WALL MOUNTED HEAT PUMP SYSTEM

IDU DIMENSIONS - DRAW18F1B

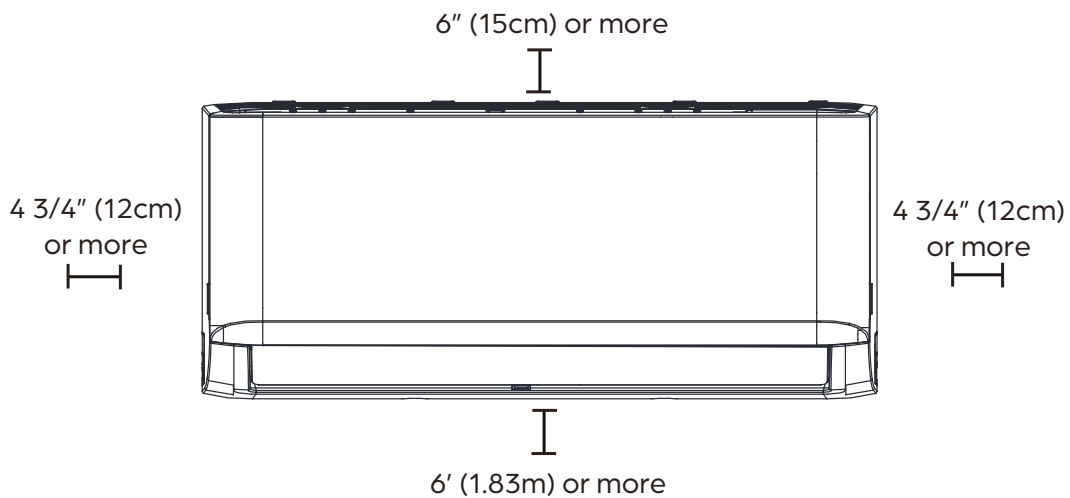
## Unit Dimensions



## Mounting Plate Dimensions



## Clearance Distances

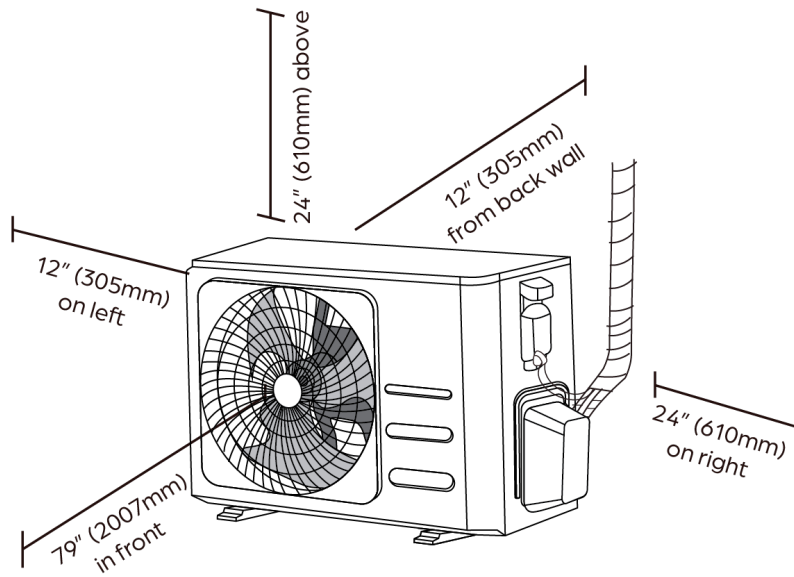




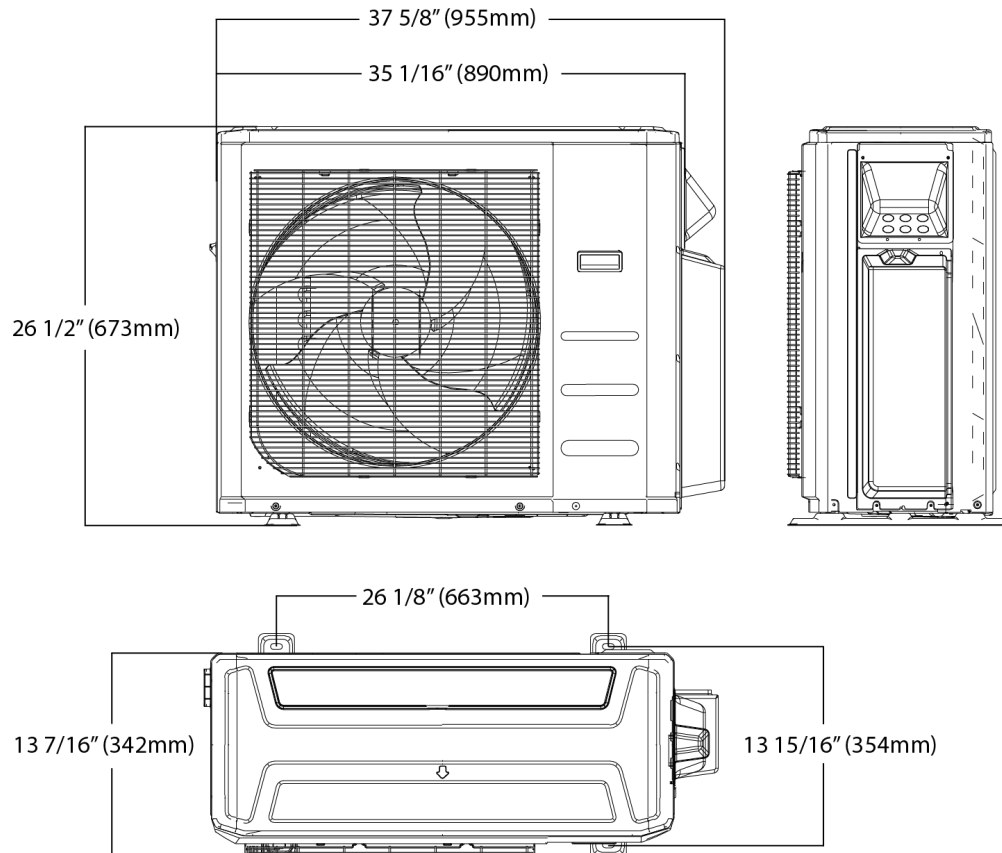
# 18,000 BTU/H WALL MOUNTED HEAT PUMP SYSTEM

ODU DIMENSIONS - DRA1U18S1B

## Clearances



## Dimensions



### NOTE

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

Specifications are subject to change without notice.

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