

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

LOCATION \_\_\_\_\_

ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

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

**Multi-Zone Outdoor Unit (ODU):**  
DRA3H18M2A



## PRODUCT FEATURES

- High heating capacity at 0°F
- Variable speed inverter compressor
- Low ambient heating and cooling down to -22°F
- Quiet operation
- Included base pan heater
- Auto restart
- Anti-corrosive coil coating
- A2L refrigerant detection system
- Electronic refrigerant shut-off valve
- Port adaptors included

EFFICIENCY DATA	DUCTLESS	MIXED	DUCTED
SEER2	21.00	20.50	20.00
EER2	13.00	13.00	13.00
HSPF2	10.00	10.00	10.00
COP at 47°F (8°C) <sup>2</sup>	3.90	3.95	4.00
COP at 17°F (-8°C) <sup>3</sup>	2.50	2.55	2.60
COP at 5°F (-15°C) <sup>4</sup>	2.00	2.00	2.00

## SYSTEM DATA

Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	78.3 (2.2)
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

CAPACITIES		DUCTLESS	MIXED	DUCTED
Cooling (BTU/hr)	Rated at 95°F (35°C) <sup>1</sup>	19000	19000	19000
	at 109°F (43°C)	19400	21700	24000
	at 5°F (-15°C)	28000	29500	31000
	Minimum	5400	5400	5400
	Maximum	27600	27600	27600
Heating (BTU/hr)	Rated at 47°F (8°C) <sup>2</sup>	20000	20000	20000
	Rated at 17°F (-8°C) <sup>3</sup>	16400	16700	17000
	Rated at 5°F (-15°C) <sup>4</sup>	18000	18000	18000
	at -13°F (-25°C)	11800	12700	13600
	at -22°F (-30°C)	9200	10100	11000
	Minimum	5700	5700	5700
	Maximum	25400	25400	25400
Nominal ODU Capacity <sup>5</sup>		18000		





## SIRIUS HEAT™

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

SPECIFICATIONS-DRA3H18M2A

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (in. (mm))	3 x Ø1/4 (Ø6.35)
Gas (in. (mm))	3 x Ø3/8 (Ø9.52)
Refrigeration Adaptors Included (in)	2 x 3/8->1/2
Minimum Indoor Units Connected	2
Pre-Charge Length/ Zone (ft. (m))	25 (7.5)
Maximum Length (combined IDUs) (ft. (m))	197 (60)
Maximum Length (per IDU) (ft. (m))	98 (30)
Minimum Length (per IDU) (ft. (m))	10 (3)
Max. Height Differential between IDU and ODU (ft. (m))	49 (15)
Max. Height Differential between IDUs (ft. (m))	33 (10)
Additional Refrigerant for Ø1/4" Liquid Pipe (oz./ft (g/m))	.16 (15)
Additional Refrigerant for Ø1/4" Liquid Pipe (oz./ft (g/m))	.32 (30)

ELECTRICAL DATA	DUCTLESS	DUCTED
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Recommended Breaker (Amps)	20	
Minimum Circuit Ampacity (Amps)	17.5	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) <sup>1</sup>	6.5	7.5
Rated Current - Heating (Amps) <sup>2</sup>	6.8	7.5

<sup>1</sup> Value at AHR1 Rated Capacity at 95°F (35°C) (AFull)

<sup>2</sup> Value at AHR1 Rated Capacity at 47°F (8°C) (H1Full)

<sup>3</sup> Value at AHR1 Rated Capacity at 17°F (-8°C) (H32)

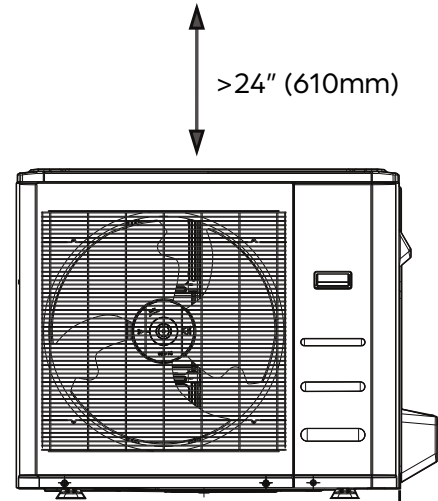
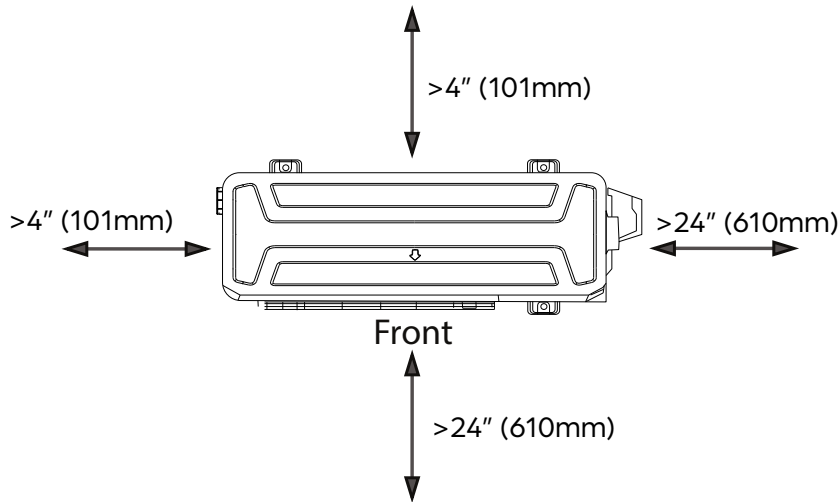
<sup>4</sup> Value at AHR1 Rated Capacity at 5°F (-15°C) (H42)

<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 (in. (mm))	Width	37-1/4 (946)
	Depth	16-1/8 (410)
	Height	31-7/8 (810)
Carton Dimensions (in. (mm))	Width	42-15/16 (1090)
	Depth	19-11/16 (500)
	Height	34-7/8 (885)
Net Weight (lbs. (kg))	137.4 (62.3)	
Gross Weight (lbs. (kg))	148.2 (67.2)	
Cooling Operating Temp. (°F (°C))	-22 - 122 (-30 - 50)	
Heating Operating Temp. (°F (°C))	-22 - 75 (-30 - 24)	
Airflow (CFM)	2131	
Sound Pressure (dB(A))	62	
Fan Speed (r/min)	Low	650
	Med	700
	High	800
Fan Motor Current Type	DC	

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

### Clearances



### Dimensions

