



# 28,000 BTU/H WALL MULTI-ZONE HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

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

LOCATION \_\_\_\_\_

ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REFERENCE \_\_\_\_\_

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

**Multi-Zone Outdoor Unit (ODU):**  
DRA4U28M2A



## PRODUCT FEATURES

- Low ambient heating down to -13°F
- Low ambient cooling down to -13°F
- Variable speed inverter compressor
- 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	23.00	22.00	21.0
EER2	12.20	12.10	12.0
HSPF2	9.50	9.25	9.0
COP at 47°F (8°C) <sup>2</sup>	3.60	3.60	3.60
COP at 17°F (-8°C) <sup>3</sup>	2.50	2.50	2.50
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))	61.7 (1.8)
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>	26000	26300	26600
	at 109°F (43°C)	24800	26100	27400
	at 5°F (-15°C)	30000	32900	35800
	Minimum	7200	7200	7200
	Maximum	32000	32000	32000
Heating (BTU/hr)	Rated at 47°F (8°C) <sup>2</sup>	27000	26800	26600
	Rated at 17°F (-8°C) <sup>3</sup>	18000	18200	18400
	Rated at 5°F (-15°C) <sup>4</sup>	19000	18900	18800
	at -13°F (-25°C)	11800	11900	12000
	Minimum	8400	8400	8400
	Maximum	29200	29000	28800
Nominal ODU Capacity <sup>5</sup>		28000		



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SPECIFICATIONS - DRA4U28M2A

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (in. (mm))	4 x Ø1/4 (Ø6.35)
Gas (in. (mm))	3 x Ø3/8 (Ø9.52) 1 x Ø1/2 (Ø12.7)
Refrigeration Adaptors Included (in)	1 x 3/8->1/2 1 x 1/2->3/8
Minimum Indoor Units Connected	2
Pre-Charge Length (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" (Ø6.35) Liquid Pipe (oz./ft (g/m))	.16 (15)
Additional Refrigerant for Ø3/8" (Ø9.52) 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)	25	
Minimum Circuit Ampacity (Amps)	23.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) <sup>1</sup>	10.0	11.50
Rated Current - Heating (Amps) <sup>2</sup>	10.0	11.0

<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))	138.9 (63.0)	
Gross Weight (lbs. (kg))	149.7 (67.9)	
Cooling Operating Temp. (°F (°C))	-13 - 122 (-25 - 50)	
Heating Operating Temp. (°F (°C))	-13 - 75 (-25 - 24)	
Airflow (CFM)	2131	
Sound Pressure (dB(A))	61	
Fan Speed (r/min)	Low	650
	Med	700
	High	800
Fan Motor Current Type	DC	

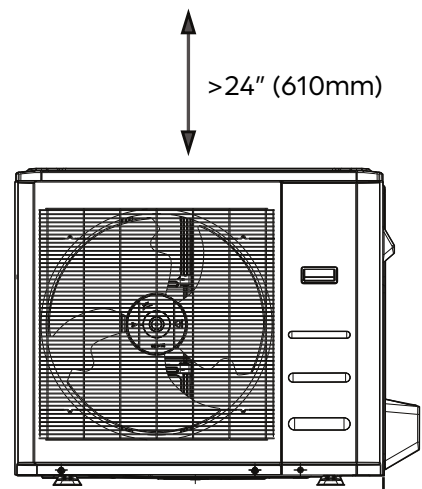
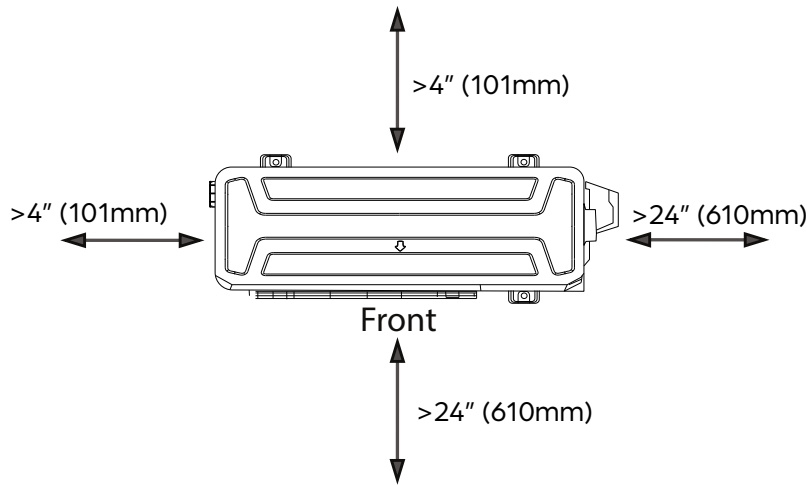
COMPRESSOR	
Type	DC Inverter Rotary
Oil Type	VG74
Oil Charge (oz.(ml))	21 (620)



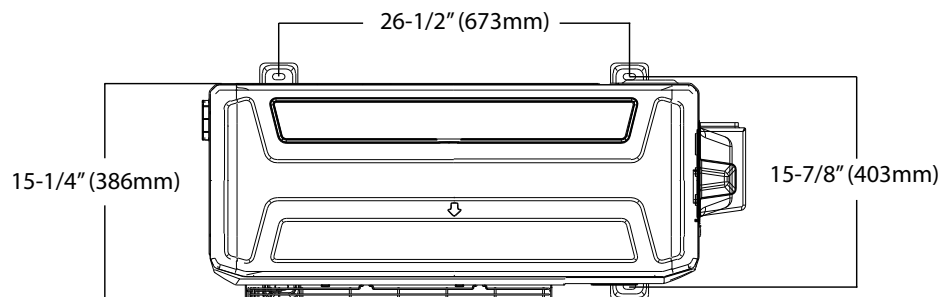
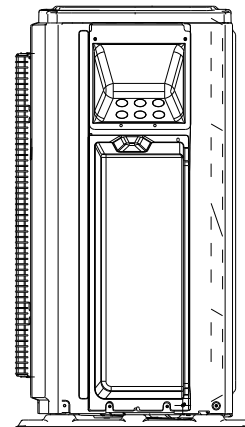
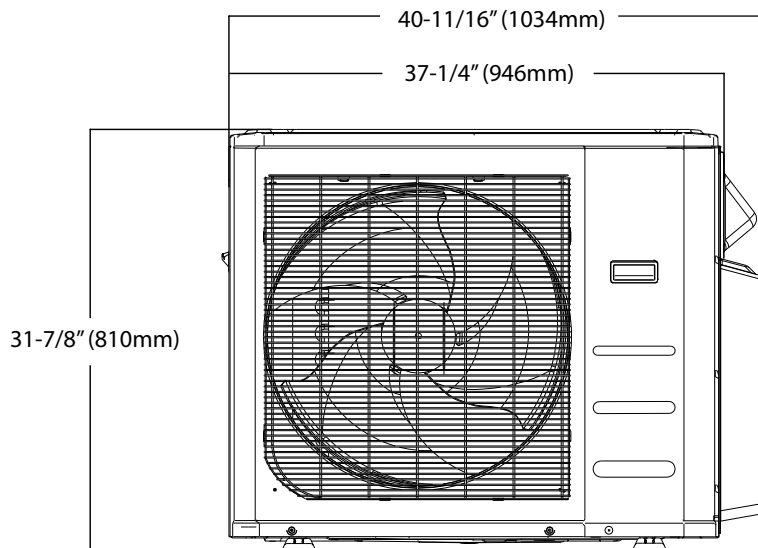
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ODU DIMENSIONS - DRA4U28M2A

### Clearances



### Dimensions



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