



36,000 BTU/H WALL MULTI-ZONE HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____

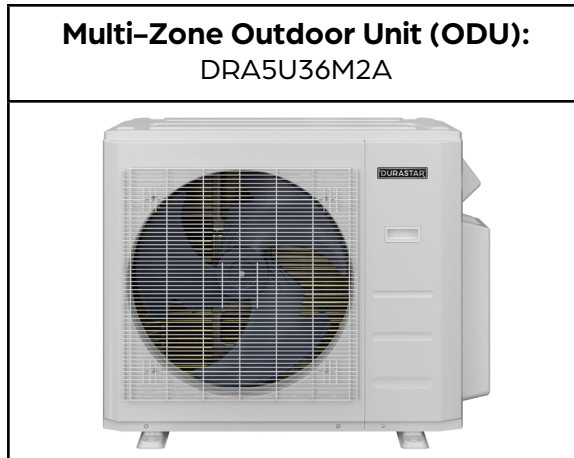
ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____



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	23.10	21.55	20.00
EER2	12.00	11.85	11.70
HSPF2	10.00	9.60	9.20
COP at 47°F (8°C) ²	3.50	3.35	3.20
COP at 17°F (-8°C) ³	2.40	2.35	2.30
COP at 5°F (-15°C) ⁴	2.00	2.00	2.00

SYSTEM DATA	
Refrigerant Type	R-454B
Refrigerant Charge (oz. (kg))	120.6 (3.4)
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) ¹	35000	35000	35000
	at 109°F (43°C)	32000	31000	30000
	at 5°F (-15°C)	37000	36500	36000
	Minimum	9000	9000	9000
Heating (BTU/hr)	Maximum	40000	40000	40000
	Rated at 47°F (8°C) ²	37000	37000	37000
	Rated at 17°F (-8°C) ³	27000	26700	26400
	Rated at 5°F (-15°C) ⁴	26000	26000	26000
	at -13°F (-25°C)	20000	18750	17500
	Minimum	10000	10000	10000
	Maximum	40000	40250	40500
Nominal ODU Capacity ⁵		36000		



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Intertek



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SPECIFICATIONS - DRA5U36M2A

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid (in. (mm))	5 x Ø1/4 (Ø6.35)
Gas (in. (mm))	4 x Ø3/8 (Ø9.52) 1 x Ø1/2 (Ø12.7)
Refrigeration Adaptors Included (in)	1 x 1/4 → 3/8 1 x 3/8 → 1/2 1 x 1/2 → 3/8 1 x 1/2 → 5/8
Minimum Indoor Units Connected	2
Pre-Charge Length (ft. (m))	25 (7.5)
Maximum Length (combined IDUs) (ft. (m))	262 (80)
Maximum Length (per IDU) (ft. (m))	115 (35)
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)	35			
Minimum Circuit Ampacity (Amps)	30.5			
Communication Wire Size	14*4 AWG Stranded			
Rated Current - Cooling (Amps) ¹	13.0			13.50
Rated Current - Heating (Amps) ²	14.0			15.50

¹ Value at AHR1 Rated Capacity at 95°F (35°C) (AFull)

² Value at AHR1 Rated Capacity at 47°F (8°C) (H1Full)

³ Value at AHR1 Rated Capacity at 17°F (-8°C) (H32)

⁴ Value at AHR1 Rated Capacity at 5°F (-15°C) (H42)

⁵ 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))	168.9 (76.6)	
Gross Weight (lbs. (kg))	180.1 (81.7)	
Cooling Operating Temp. (°F (°C))	-13 - 122 (-25 - 50)	
Heating Operating Temp. (°F (°C))	-13 - 75 (-25 - 24)	
Airflow (CFM)	2148	
Sound Pressure (dB(A))	63	
Fan Speed (r/min)	Low	600
	Med	750
	High	900
Fan Motor Current Type	DC	

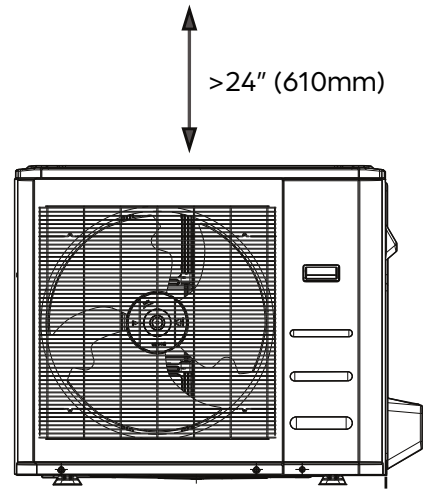
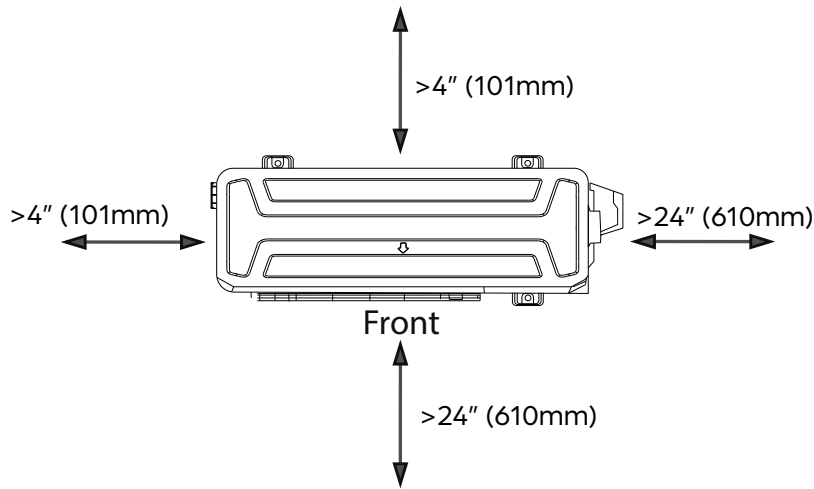
COMPRESSOR	
Type	DC Inverter Rotary
Oil Type	VG74
Oil Charge (oz.(ml))	34 (1000)



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ODU DIMENSIONS - DRA5U36M2A

Clearances



Dimensions

