

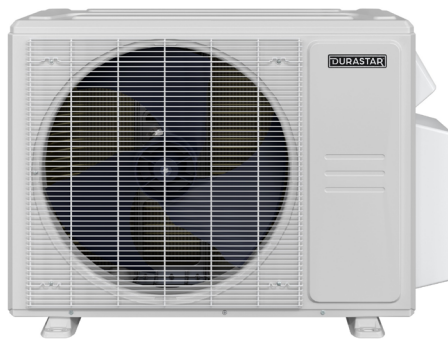


18,000 BTU/H WALL MULTI-ZONE HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____
LOCATION _____
ARCHITECT _____
ENGINEER _____
CONTRACTOR _____
REFERENCE _____
SUBMITTED BY _____ DATE _____

Multi-Zone Outdoor Unit (ODU):
DRA3U18M2A



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	21.50	20.00
EER2	12.50	12.25	12.00
HSPF2	10.00	10.00	10.00
COP at 47°F (8°C) ²	3.80	3.80	3.80
COP at 17°F (-8°C) ³	2.60	2.70	2.80
COP at 5°F (-15°C) ⁴	2.20	2.25	2.30

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) ¹	18000	18000	18000
	at 109°F (43°C)	16000	17200	18400
	at 5°F (-15°C)	25000	26500	28000
	Minimum	5400	5400	5400
	Maximum	21600	22800	24000
Heating (BTU/hr)	Rated at 47°F (8°C) ²	19000	19000	19000
	Rated at 17°F (-8°C) ³	13500	14000	14600
	Rated at 5°F (-15°C) ⁴	13500	14050	14600
	at -13°F (-25°C)	8000	8100	8200
	Minimum	5700	5700	5700
	Maximum	21600	21800	22000
Nominal ODU Capacity ⁵		18000		



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Intertek



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SPECIFICATIONS - DRA3U18M2A

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)	1 x 3/8->1/2
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)	20	
Minimum Circuit Ampacity (Amps)	16.0	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	6.2	8.0
Rated Current - Heating (Amps) ²	6.6	8.0

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	35-1/16 (890)
	Depth	13-7/16 (342)
	Height	26-1/2 (673)
Carton Dimensions (in. (mm))	Width	40-9/16 (1030)
	Depth	17-1/4 (438)
	Height	29-1/2 (750)
Net Weight (lbs. (kg))	100.5 (45.6)	
Gross Weight (lbs. (kg))	109.4 (49.6)	
Cooling Operating Temp. (°F (°C))	-13 - 122 (-25 - 50)	
Heating Operating Temp. (°F (°C))	-13 - 75 (-25 - 24)	
Airflow (CFM)	1766	
Sound Pressure (dB(A))	60	
Fan Speed (r/min)	Low	500
	Med	600
	High	750
Fan Motor Current Type	DC	

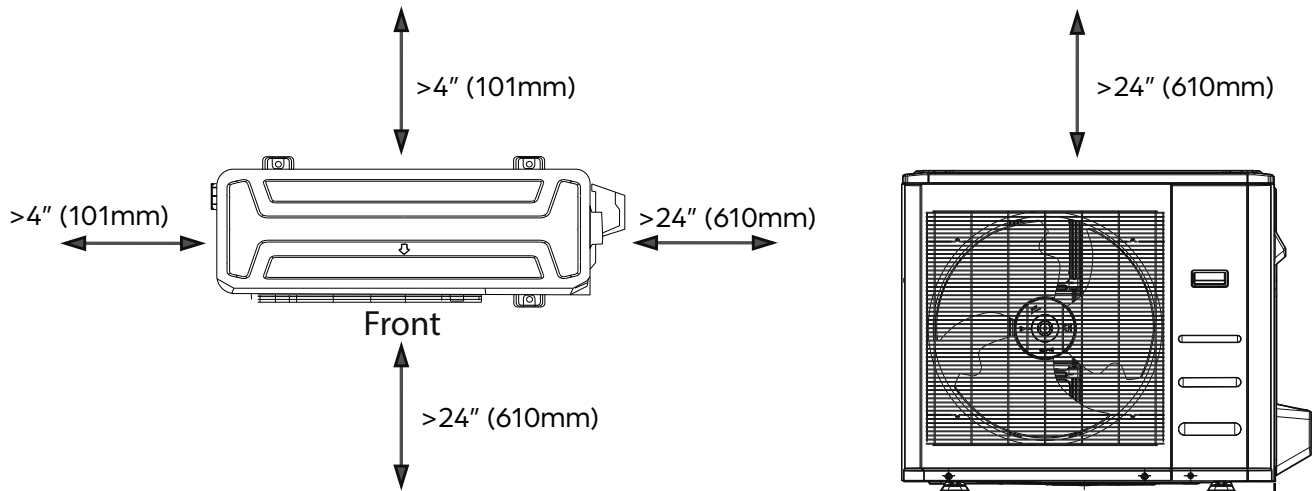
COMPRESSOR	
Type	DC Inverter Rotary
Oil Type	VG74
Oil Charge (oz.(ml))	15 (450)



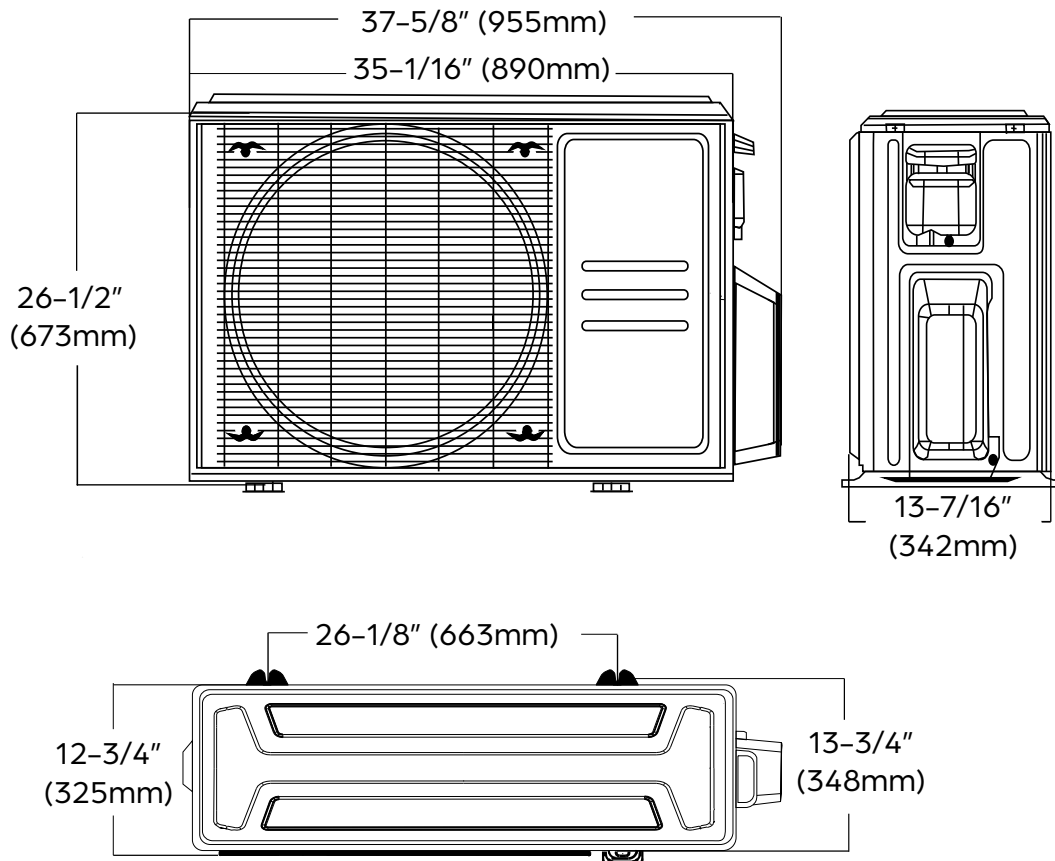
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ODU DIMENSIONS - DRA3U18M2A

Clearances



Dimensions



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