



28,000 BTU/H SIRIUS HEAT MULTI-ZONE HEAT PUMP

SUBMITTAL COVER SHEET

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

Multi-Zone Outdoor Unit (ODU): DRA3H28M1A



PRODUCT FEATURES

- High heating capacity at 0°F
- Variable speed inverter compressor
- Low ambient heating down to -22°F
- Low ambient cooling down to 5°F
- Quiet operation
- Included base pan heater
- Auto restart
- Anti-corrosive coil coating
- Port adaptors included

CAPACITIES		DUCTLESS	MIXED	DUCTED
Cooling (BTU/hr)	Rated ¹	28000	28000	28000
	at 5°F ³	23460	22205	20950
	Minimum	8700	8192	7683
	Maximum	34000	33756	33512
Heating (BTU/hr)	Rated ²	28000	28000	28000
	at 5°F ⁴	25000	25000	25000
	Minimum	8200	6354	4508
	Maximum	34000	36194	38388
Nominal ODU Capacity ⁵		28000		

SYSTEM DATA

Refrigerant Type	R-410A
Refrigerant Charge (oz.)	134
Design Pressure (PSIG)	550/340
Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	DUCTLESS	MIXED	DUCTED
SEER2	22.60	21.30	20.00
EER2	11.80	11.75	11.70
HSPF2	9.80	9.65	9.50
SEER	22.00	21.00	20.00
EER	11.50	11.50	11.50
HSPF	10.00	10.05	10.10
COP at 47°F	3.20	3.36	3.52
COP at 5°F	1.80	1.83	1.85





SIRIUS HEAT™

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SPECIFICATIONS – DRA3H28M1A

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	3 x Ø1/4" (Ø6.35mm)
Gas	3 x Ø3/8" (Ø9.52mm)
Refrigeration Adaptors Included	3 x 3/8"–1/2"
Minimum Indoor Units Connected	2
Pre-Charge Length	74'
Maximum Length (combined IDUs)	197'
Maximum Length (per IDU)	98'
Minimum Length (per IDU)	10'
Max. Height Differential between IDU and ODU	49'
Max. Height Differential between IDUs	33'
Additional Refrigerant for Ø1/4" Liquid Pipe (oz./ft)	.161
Additional Refrigerant for Ø3/8" Liquid Pipe (oz./ft)	.322

ELECTRICAL DATA	DUCTLESS	DUCTED
Voltage/Phase/Frequency	208–230V, 1 Phase, 60 Hz	
Voltage Range	187–253V	
Recommended Breaker (Amps)	40	
Minimum Circuit Ampacity (Amps)	25	
Communication Wire Size	14*4 AWG Stranded	
Rated Current – Cooling (Amps) ¹	13.2	14.0
Rated Current – Heating (Amps) ²	13.2	11.0

¹ AHRI Rated at 95°F (AFull).

² AHRI Rated at 47°F (H1Full).

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

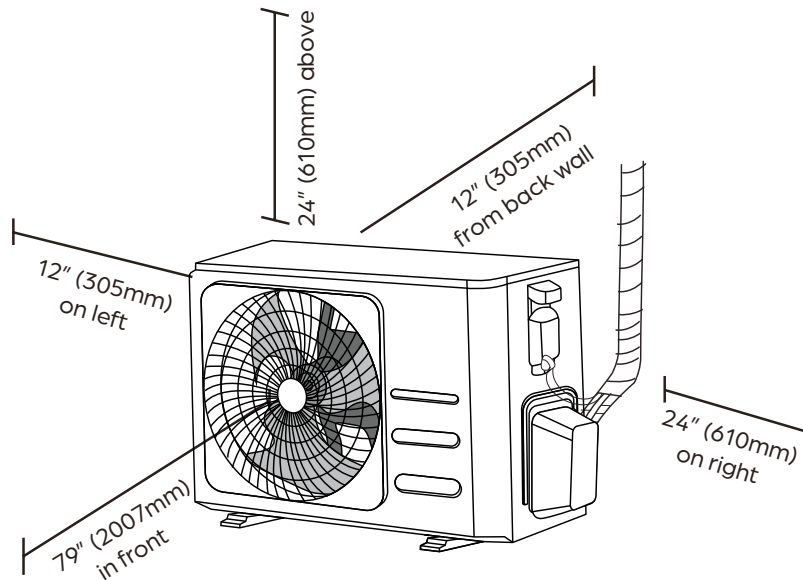
⁴ AHRI Rated Capacity at 5°F (H42)

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.

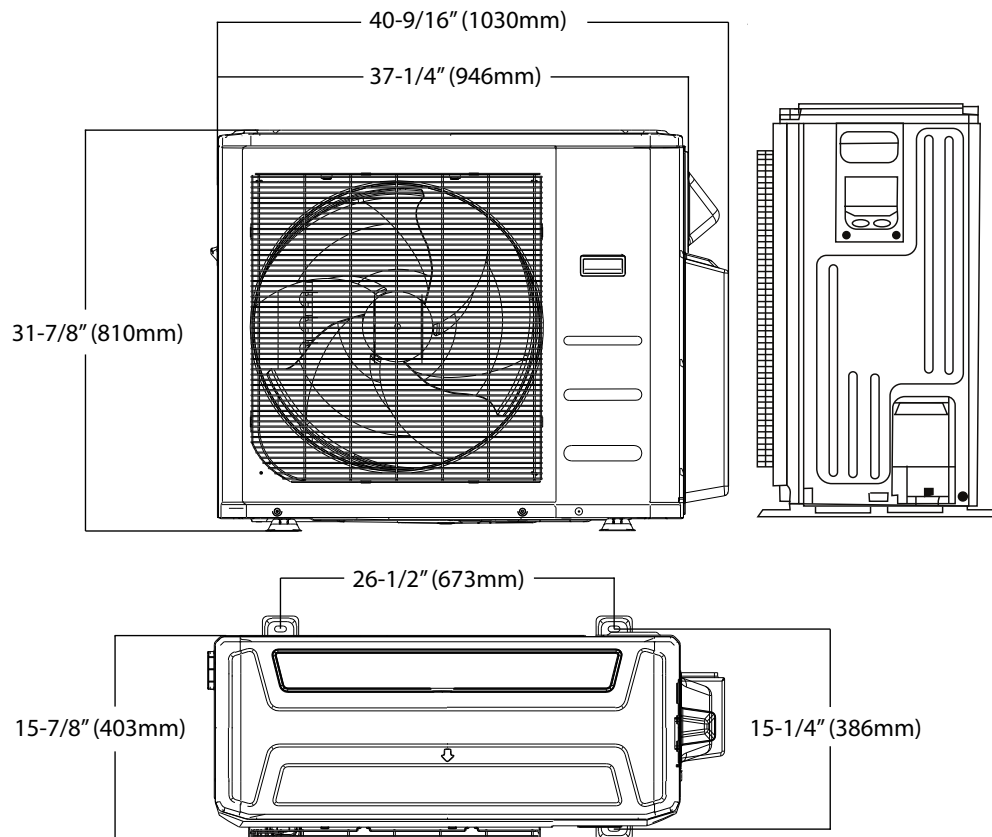
OUTDOOR UNIT DATA		
Unit Dimensions	Width	37–1/4"
	Depth	16–1/8"
	Height	31–7/8"
Carton Dimensions	Width	42–15/16"
	Depth	19–11/16"
	Height	36–13/16"
Net Weight	168 lbs.	
Gross Weight	180 lbs.	
Cooling Operating Temperature	5°F – 122°F	
Heating Operating Temperature	–22°F – 75°F	
Airflow (CFM)	2147	
Sound Pressure (dB(A))	63	
Fan Speed (r/min)	Low	750
	Medium	900
	High	1000
Fan Motor Current Type	DC	

COMPRESSOR	
Type	DC Inverter Twin Cylinder Rotary
Oil Type	VG74
Oil Charge (oz.)	33.8(1000mL)

Clearances



Dimensions



NOTE

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