






18,000 BTU/H ONE-WAY CASSETTE HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

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

Indoor Unit (IDU): DRAL18F1A	Outdoor Unit (ODU): DRA1U18S1B	Wireless Remote Control
		

PRODUCT FEATURES

- Low ambient heating down to -13°F
- Low ambient cooling down to 5°F
- Wireless Remote Control with "Follow Me" Technology
- Variable Speed Inverter Compressor
- Auto Restart
- Sleep Mode
- Turbo Mode
- Quiet operation
- 46°F Freeze Protection
- Included base pan heater
- Refrigerant leak detection
- Anti-corrosive fin coating
- Grille included

CAPACITIES		
Cooling Capacity (BTU/hr)	Rated at 95°F ¹	18000
	Minimum	3200
	Maximum	18100
Heating Capacity (BTU/hr)	Rated at 47°F ²	19000
	Rated at 5°F ³	11600
	Minimum	5300
	Maximum	21500

SYSTEM DATA	
Refrigerant Type	R-410A
Refrigerant Charge (oz.)	56.44
Design Pressure (PSIG)	550/340
Indoor/ Outdoor Coil Coating	Golden Fin Coating

EFFICIENCY DATA	
SEER2	21.80
EER2	12.50
HSPF2	10.70
SEER	21.20
EER	12.50
HSPF	12.00
COP at 47°F	3.30
COP at 5°F	2.10



Specifications are subject to change without notice.
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SPECIFICATIONS

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø1/4" (Ø6.35mm)
Gas	Ø1/2" (Ø12.7mm)
Pre-Charge Length	25'
Minimum Length	10'
Maximum Length	98'
Maximum Height Differential	66'
Additional Refrigerant (oz./ft)	0.16

OUTDOOR UNIT		
Unit Dimensions	Width	35-1/16"
	Depth	13-1/2"
	Height	26-1/2"
Carton Dimensions	Width	39-3/16"
	Depth	15-11/16"
	Height	32 11/16"
Net Weight	94.4 lbs.	
Gross Weight	101.0 lbs.	
Cooling Operating Temperature	5°F - 122°F	
Heating Operating Temperature	-13°F - 75°F	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Recommended Breaker (Amps)	30	
Minimum Circuit Ampacity (Amps)	19	
Communication Wire Size	14*4 AWG Stranded	
Rated Current - Cooling (Amps) ¹	6.4	
Rated Current - Heating (Amps) ²	7.6	
Sound Pressure (dB(A))	58	

¹ AHRI Rated at 95°F (AFull).
² AHRI Rated at 47°F (H1Full).
³ AHRI Rated Capacity at 5°F (H42)

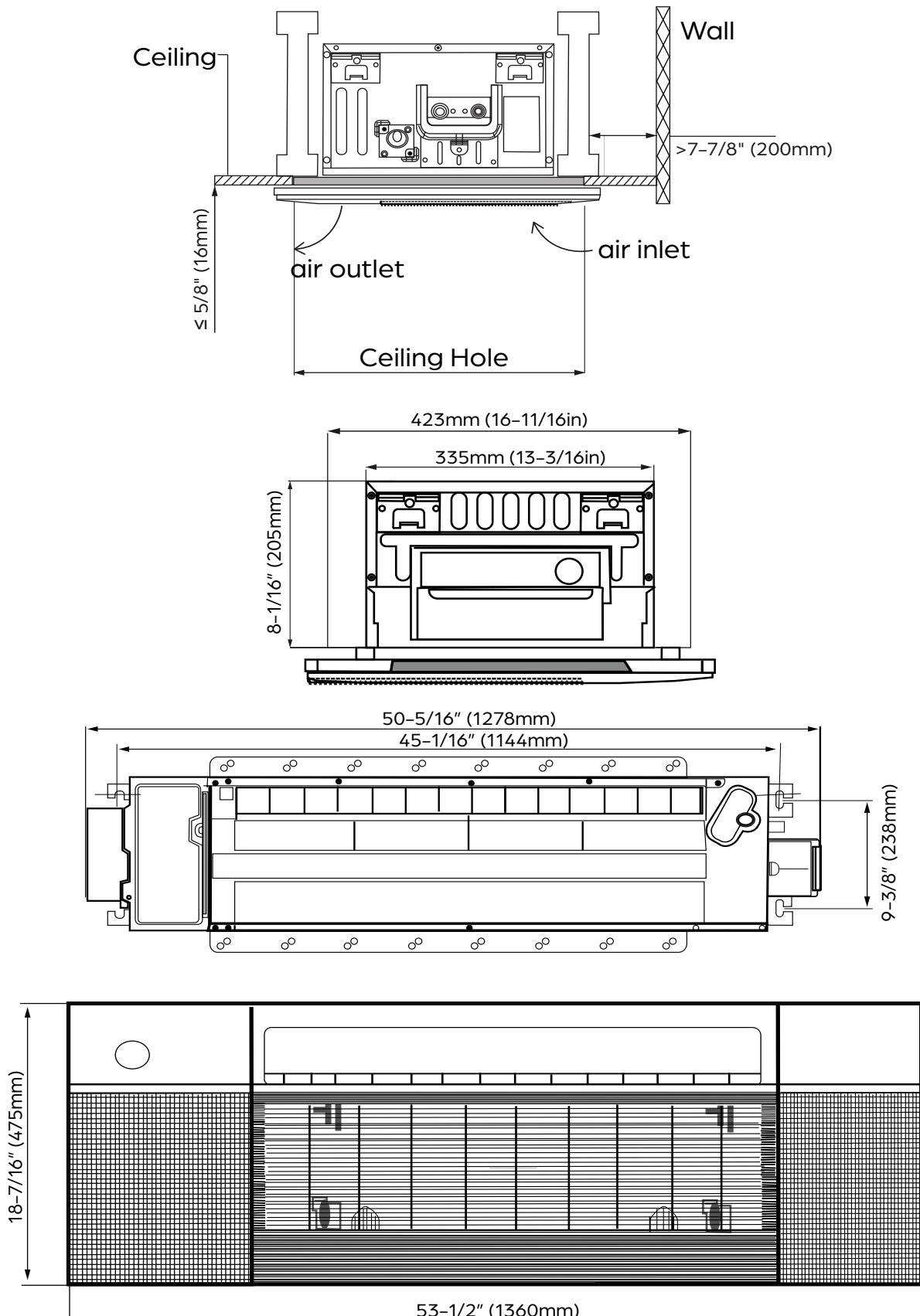
INDOOR UNIT		
Unit Dimensions	Width	50-5/16"
	Depth	13-13/16"
	Height	9"
Carton Dimensions	Width	57-5/8"
	Depth	22-1/2"
	Height	22-1/2"
Net Weight	(60.7 QB) (45 lbs. FS)	
Gross Weight	82.9 lbs.	
Indoor Unit Air Flow (CFM)	Low	207
	Medium	300
	High	352
Drain Port O.D.	1"	
Drain Pump Lift	20.8"	
Recommended Breaker (Amps)	30	
Sound Pressure (dB(A))	Low	34
	Medium	41
	High	44

COMPRESSOR	
Type	DC Rotary Inverter
Oil Type	Ester Oil VG74
Oil Charge (oz.)	14.9 (440ml)



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IDU DIMENSIONS - DRAL18F1A

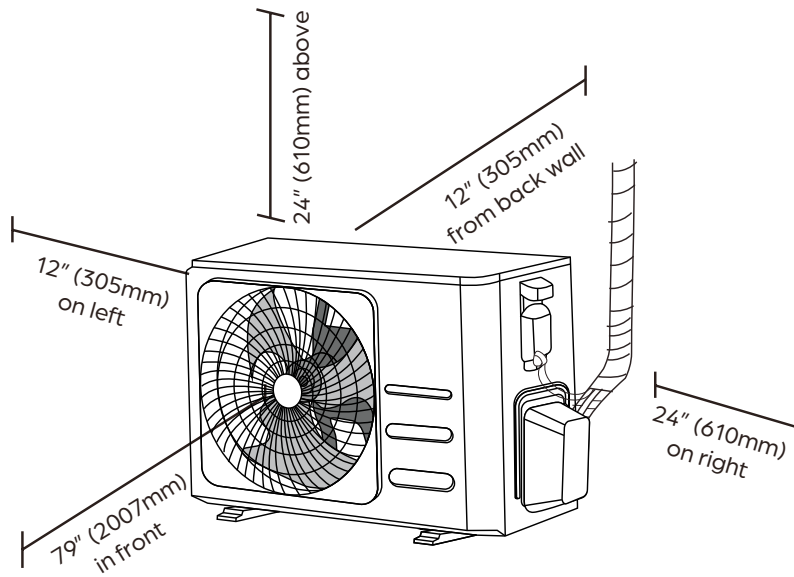




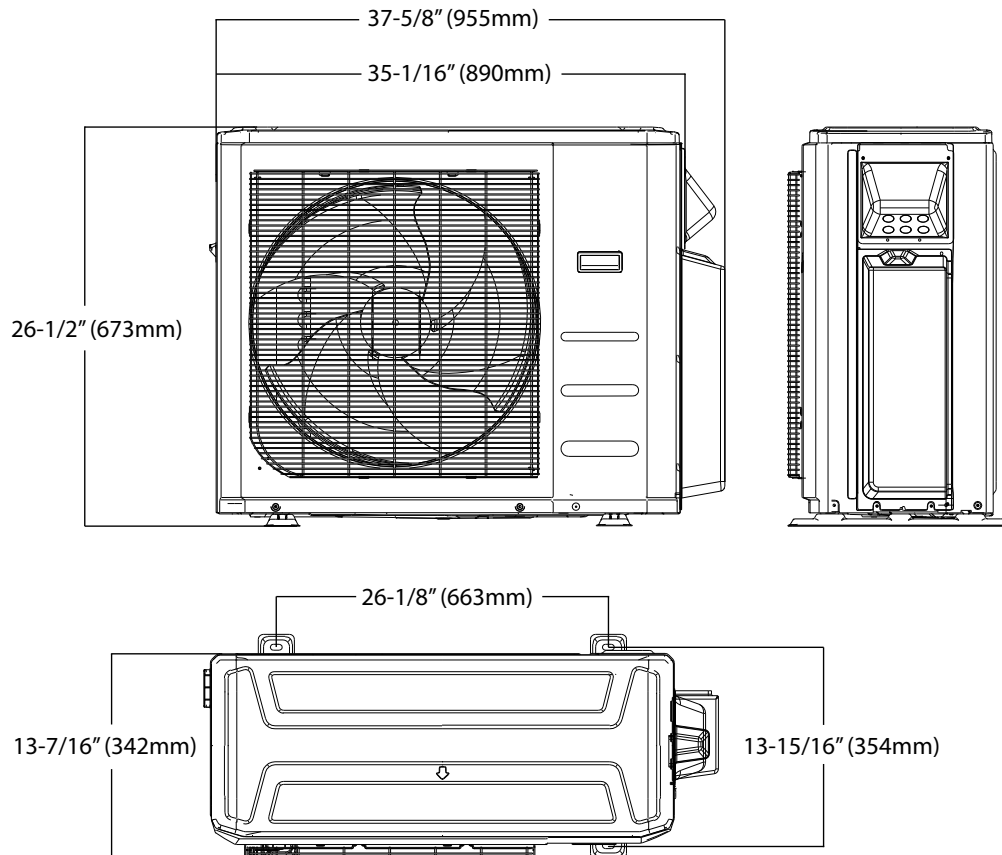
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ODU DIMENSIONS - DRA1U18S1B

Clearances



Dimensions



NOTE

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