



9,000 BTU/H WALL MOUNTED IDU

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____



ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Indoor Unit (IDU): DRAL09F1A	Wireless Remote Control
	

PRODUCT FEATURES

- Single or multi-zone compatible
- Wireless Remote Control with "Follow Me" Technology
- Slim design for easy install between 16" joists
- Serviceable from below
- Washable filter
- Humidity sensor
- Built in drain pump
- Sleep Mode
- Turbo Mode
- 24-Hour Timer Feature
- Quiet operation as low as 31 dB
- High efficiency up to 24 SEER2

SPECIFICATIONS		
Cooling Capacity (BTU/hr)	9000	
Heating Capacity (BTU/hr)	11000	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Indoor Unit Air Flow (CFM)	Low	235
	Medium	259
	High	294
Drain Port O.D.	1"	
Drain Port Lift	20.8	
Recommended Breaker (Amps)	15	
Sound Pressure (dB(A))	Low	33
	Medium	36
	High	38
Refrigerant	R410A	

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø1/4" (Ø6.35mm)
Gas	Ø3/8" (Ø9.52mm)

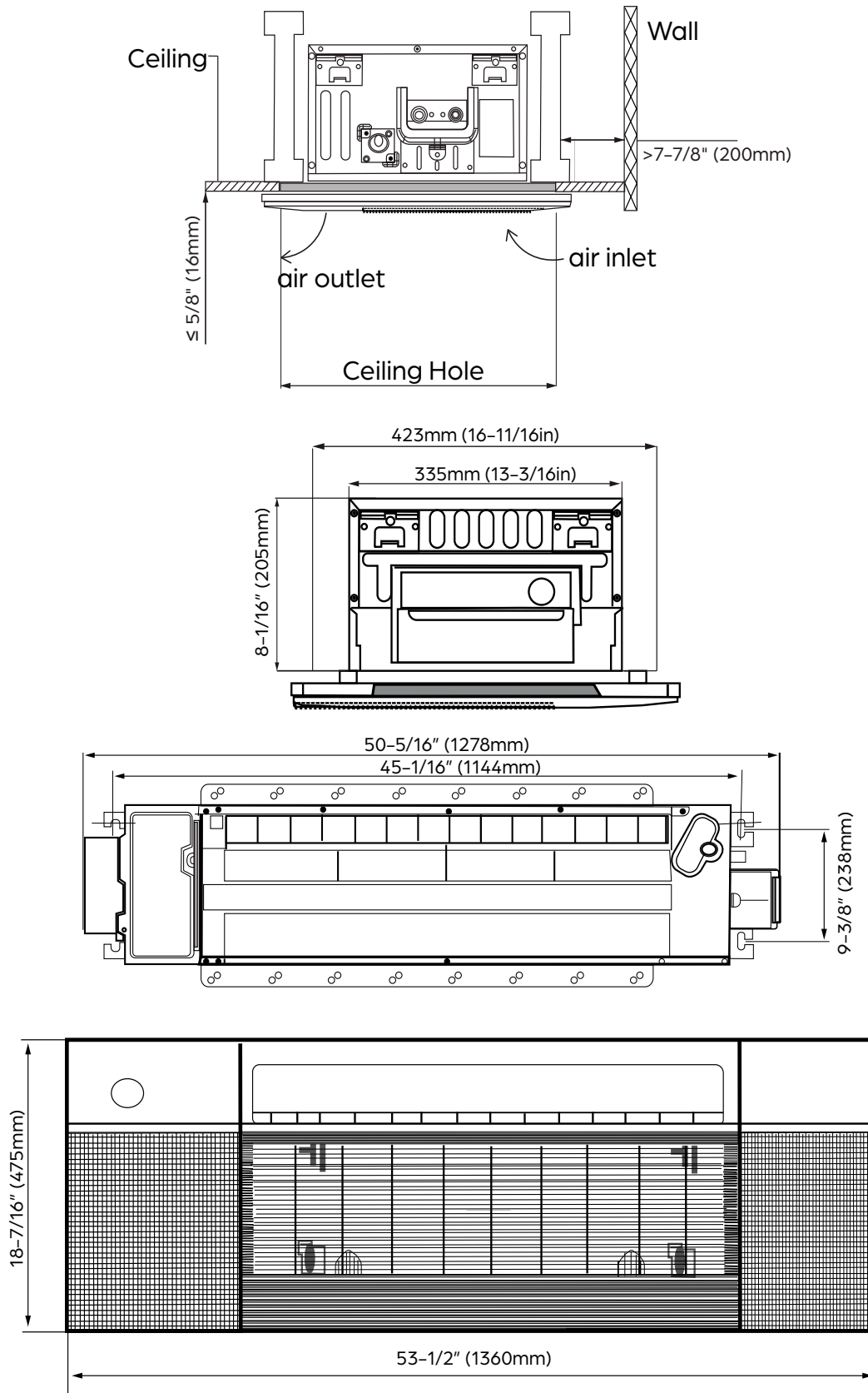
DIMENSIONS AND WEIGHT		
Unit Dimensions	Width	50-5/16"
	Depth	13-3/16"
	Height	9"
Carton Dimensions	Width	57-5/8"
	Depth	22-1/2"
	Height	22-1/2"
Net Weight	58.4 lbs.	
Gross Weight	81.3 lbs.	





9,000 BTU/H WALL MOUNTED IDU

IDU DIMENSIONS - DRAL09F1A





12,000 BTU/H WALL MOUNTED IDU

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____

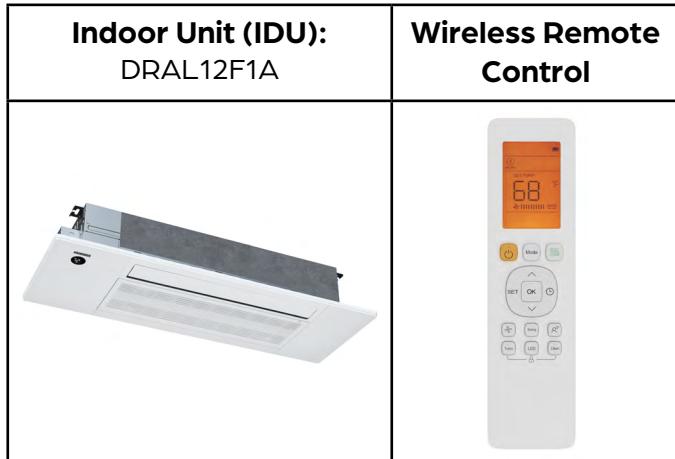
ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____



PRODUCT FEATURES

- Single or multi-zone compatible
- Wireless Remote Control with "Follow Me" Technology
- Slim design for easy install between 16" joists
- Serviceable from below
- Washable filter
- Humidity sensor
- Built in drain pump
- Sleep Mode
- Turbo Mode
- 24-Hour Timer Feature
- Quiet operation as low as 32.5 dB
- High efficiency up to 23 SEER2

SPECIFICATIONS		
Cooling Capacity (BTU/hr)	12000	
Heating Capacity (BTU/hr)	12500	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Indoor Unit Air Flow (CFM)	Low	247
	Medium	282
	High	312
Drain Port O.D.	1"	
Drain Port Lift	20.8	
Recommended Breaker (Amps)	15	
Sound Pressure (dB(A))	Low	34.5
	Medium	38.5
	High	40.5
Refrigerant	R410A	

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø1/4" (Ø12.70mm)
Gas	Ø1/2" (Ø9.52mm)

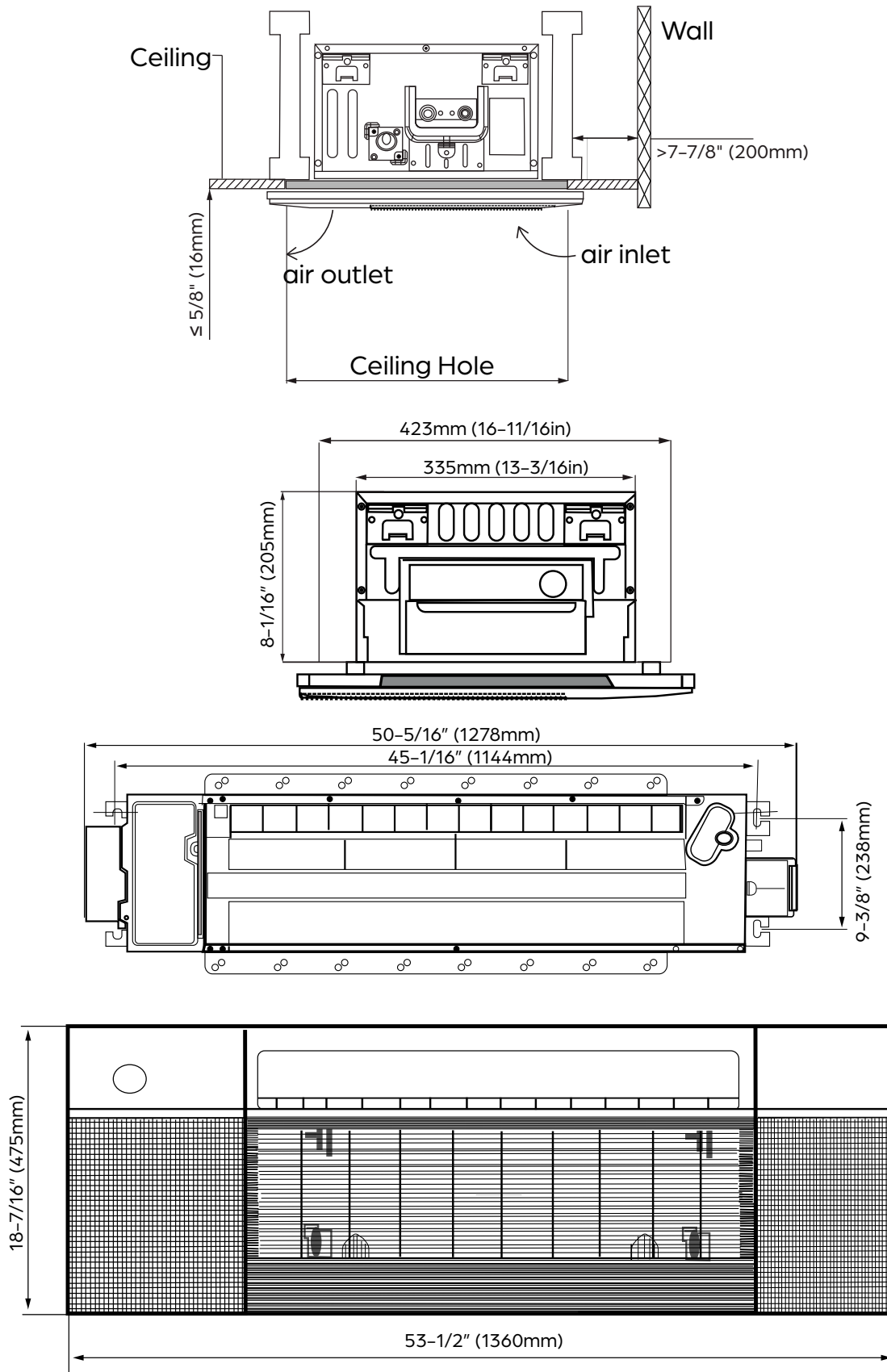
DIMENSIONS AND WEIGHT		
Unit Dimensions	Width	50-5/16"
	Depth	13-3/16"
	Height	9"
Carton Dimensions	Width	57-5/8"
	Depth	22-1/2"
	Height	22-1/2"
Net Weight	60.7 lbs.	
Gross Weight	82.9 lbs.	





12,000 BTU/H WALL MOUNTED IDU

IDU DIMENSIONS - DRAL12F1A





18,000 BTU/H WALL MOUNTED IDU

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____

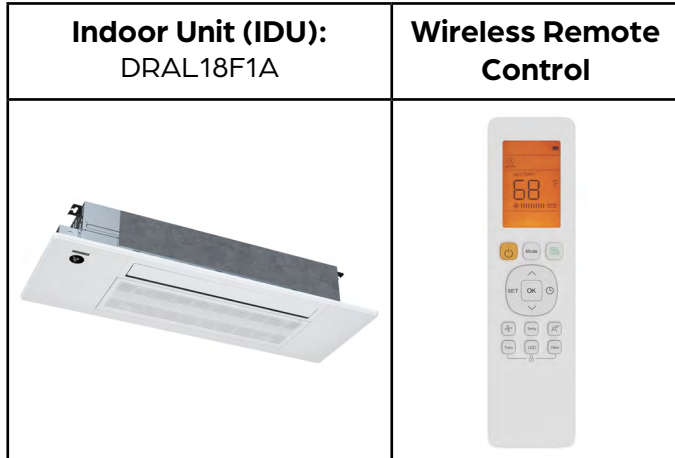
ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____



PRODUCT FEATURES

- Single or multi-zone compatible
- Wireless Remote Control with "Follow Me" Technology
- Slim design for easy install between 16" joists
- Serviceable from below
- Washable filter
- Humidity sensor
- Built in drain pump
- Sleep Mode
- Turbo Mode
- 24-Hour Timer Feature
- Quiet operation as low as 35 dB
- High efficiency up to 21 SEER2

SPECIFICATIONS		
Cooling Capacity (BTU/hr)	18000	
Heating Capacity (BTU/hr)	19000	
Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz	
Voltage Range	187-253V	
Indoor Unit Air Flow (CFM)	Low	207
	Medium	300
	High	352
Drain Port O.D.	1"	
Drain Port Lift	20.8	
Recommended Breaker (Amps)	15	
Sound Pressure (dB(A))	Low	34
	Medium	41
	High	44
Refrigerant	R410A	

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	Ø1/4" (Ø6.35mm)
Gas	Ø1/2" (Ø12.7mm)

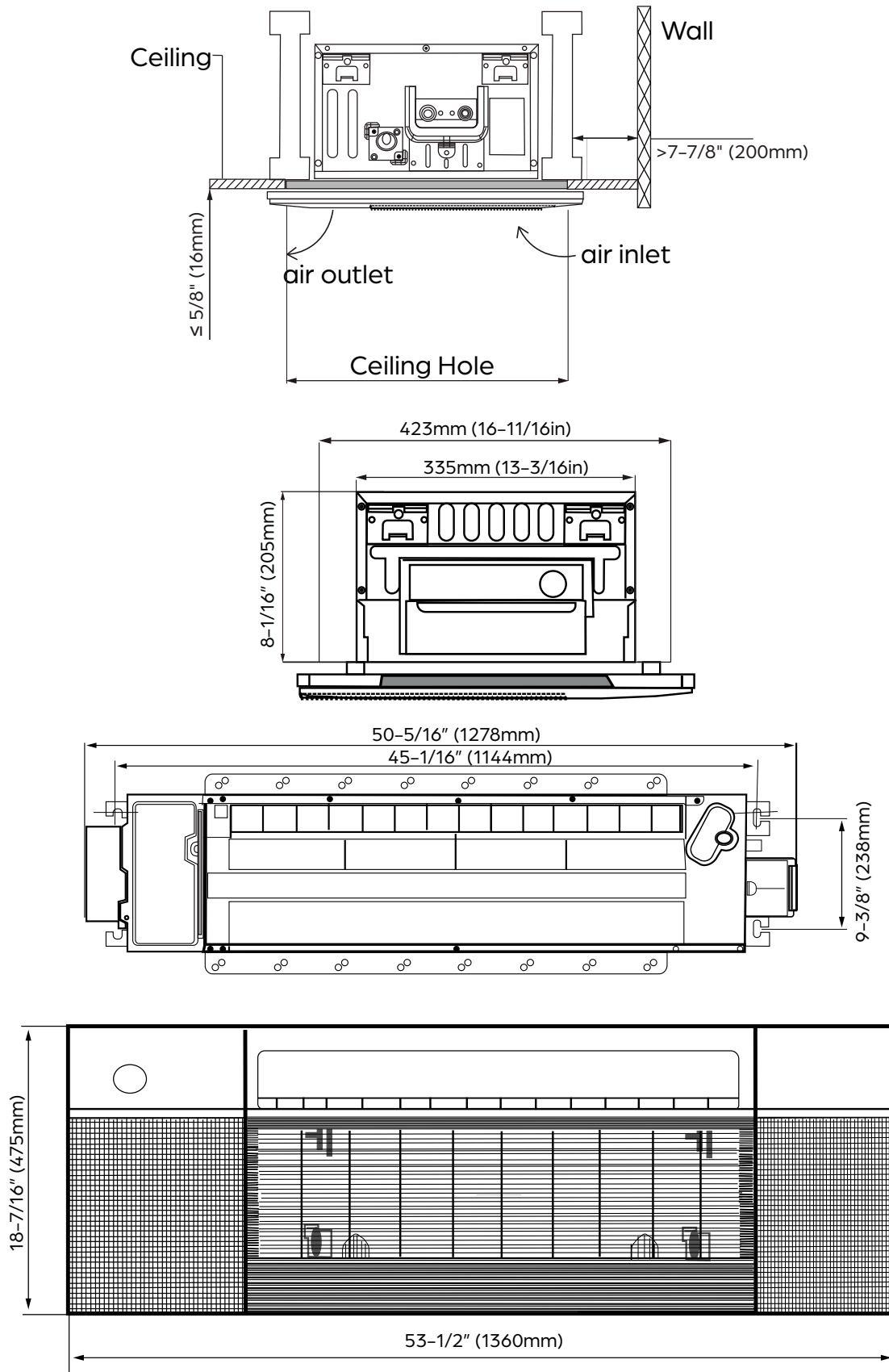
DIMENSIONS AND WEIGHT		
Unit Dimensions	Width	50-5/16"
	Depth	13-3/16"
	Height	9"
Carton Dimensions	Width	57-5/8"
	Depth	22-1/2"
	Height	22-1/2"
Net Weight	60.7 lbs.	
Gross Weight	82.9 lbs.	





18,000 BTU/H WALL MOUNTED IDU

IDU DIMENSIONS - DRAL18F1A





48,000 BTU/H MULTI-ZONE HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____

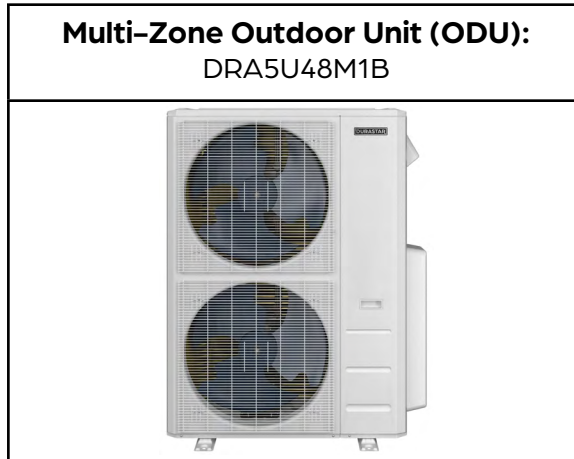
ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____



PRODUCT FEATURES

- Variable speed inverter compressor
- Quiet operation
- Low ambient heating down to -13 °F
- Low ambient cooling down to 5 °F
- Included base pan heater
- Auto restart
- Anti-corrosive coil coating
- Port adaptors included

SYSTEM DATA	
Refrigerant Type	R-410A
Refrigerant Charge (oz.)	162
Design Pressure (PSIG)	550/340
Outdoor Coil Coating	Golden Fin Coating

CAPACITIES		DUCTLESS	MIXED	DUCTED
Cooling (BTU/hr)	Rated ¹	48000	48500	49000
	at 5 °F ³	36410	35280	34150
	Minimum	11600	15500	19400
	Maximum	49700	50350	51000
Heating (BTU/hr)	Rated ²	48000	49000	50000
	at 5 °F ⁴	27040	28180	29320
	Minimum	33000	24250	15500
	Maximum	52900	54450	56000
Nominal IDU Capacity ⁵ (Min/Max)		24000/60000		

EFFICIENCY DATA	DUCTLESS	MIXED	DUCTED
SEER ²	21.10	20.80	20.50
EER ²	11.00	10.90	10.80
HSPF ²	9.50	9.60	9.70
SEER	21.00	20.75	20.50
EER	11.00	10.55	10.10
HSPF	10.50	11.00	11.50
COP at 47 °F	3.22	3.39	3.57
COP at 5 °F	1.63	1.67	1.70

Specifications are subject to change without notice.
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48,000 BTU/H MULTI-ZONE HEAT PUMP SYSTEM

SPECIFICATIONS - DRA5U48M1B

LINE SET REQUIREMENTS	
Connection Type	Flare
Liquid	5 x Ø1/4" (Ø6.35mm)
Gas	3 x Ø3/8" (Ø9.52mm) 2 x Ø1/2" (Ø12.7mm)
Refrigeration Adaptors Included	3 x 3/8"--1/2" 2 x 1/2"--3/8" 2 x 1/4"--3/8" 2 x 1/2"--5/8"
Minimum Indoor Units Connected	2
Pre-Charge Length	37.5'
Maximum Length (combined IDUs)	262'
Maximum Length (per IDU)	115'
Minimum Length (per IDU)	10'
Max. Height Differential between IDU and ODU	33'
Additional Refrigerant for Ø1/4" Liquid Pipe (oz./ft)	0.161
Additional Refrigerant for Ø3/8" Liquid Pipe (oz./ft)	0.322

ELECTRICAL DATA	DUCTLESS		DUCTED	
	Voltage/Phase/Frequency	208-230V, 1 Phase, 60 Hz		
Voltage Range	187-253V			
Recommended Breaker (Amps)	60			
Minimum Circuit Ampacity (Amps)	40			
Communication Wire Size	14*4 AWG Stranded			
Rated Current - Cooling (Amps) ¹	20			21.5
Rated Current - Heating (Amps) ²	20			18.2

¹ Measured at 95 °F.

² Measured at 47 °F.

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

⁴ Maximum Capacity: Indoor 70 °F DB, 67 °F WB // Outdoor 5 °F DB, 4 °F WB

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 1/2"
	Depth	16 5/16"
	Height	52 1/2"
Carton Dimensions	Width	43 1/8"
	Depth	19 1/2"
	Height	55 1/4"
Net Weight	225 lbs.	
Gross Weight	256 lbs.	
Cooling Operating Temperature	5 °F - 122 °F	
Heating Operating Temperature	-13 °F - 75 °F	
Airflow (CFM)	4500	
Sound Pressure (dB(A))	62	
Fan Speed (r/min)	Low	750
	Medium	800
	Medium	850
	High	900
Fan Motor Current Type	DC	

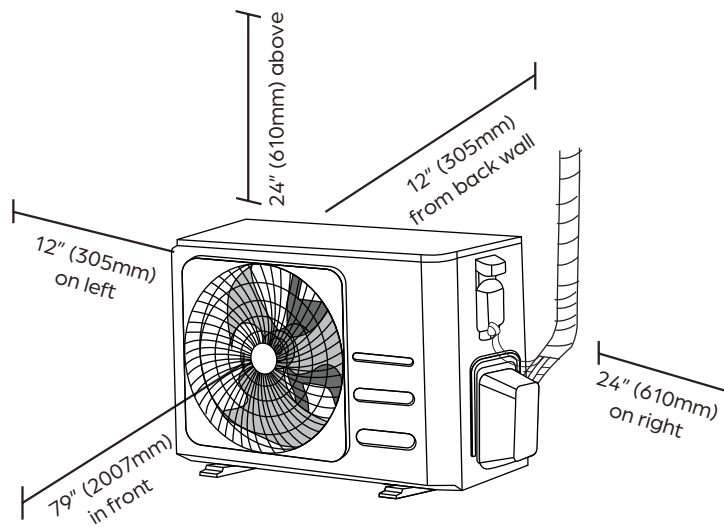
COMPRESSOR	
Type	DC Inverter Twin Cylinder Rotary
Oil Type	VG74
Oil Charge (oz.)	47 (1400 ml)



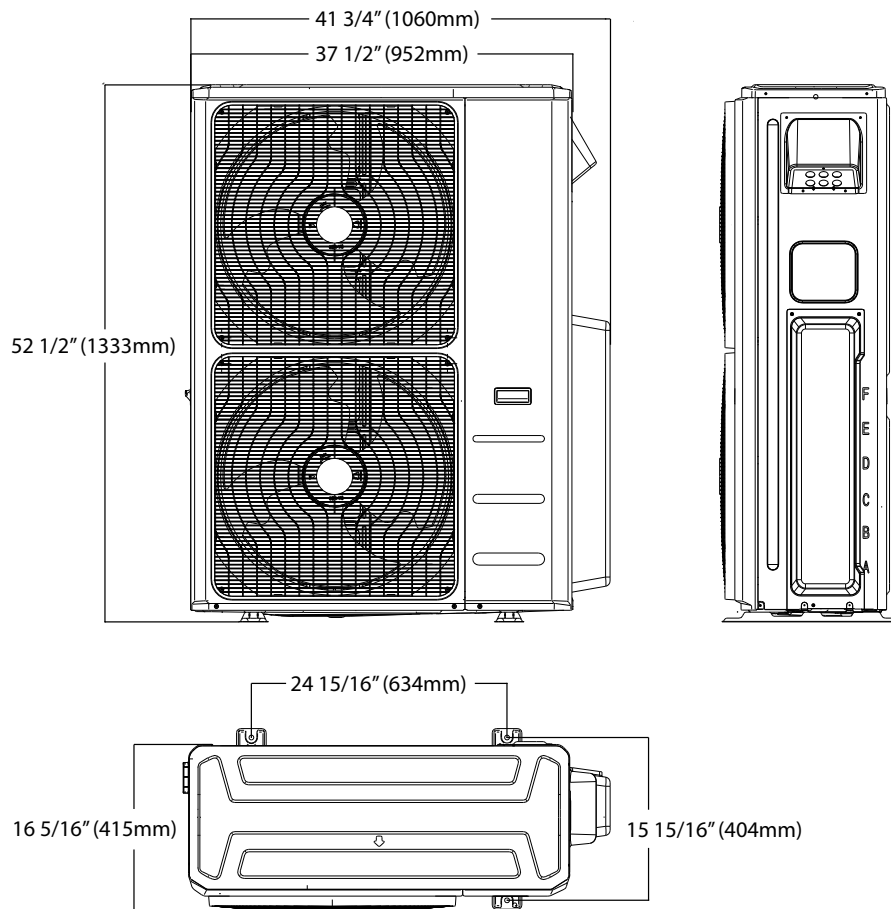
48,000 BTU/H MULTI-ZONE HEAT PUMP SYSTEM

ODU DIMENSIONS - DRA5U48M1B

Clearances



Dimensions



NOTE

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