



9,000 BTU/H SLIM DUCTED HEAT PUMP SYSTEM

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____


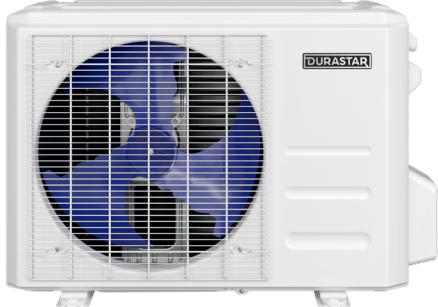

ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

| Indoor Unit (IDU): DRAD09F1A | Outdoor Unit (ODU): DRA1U09S1A | Wired Thermostat |
|---|--|---|
|  |  |  |

| CAPACITIES | | |
|---------------------------|--------------------|-------|
| Cooling Capacity (BTU/hr) | Rated ¹ | 9000 |
| | Minimum | 3000 |
| | Maximum | 11300 |
| Heating Capacity (BTU/hr) | Rated ² | 10000 |
| | Minimum | 4800 |
| | Maximum | 13900 |

| EFFICIENCY DATA | |
|-----------------|------|
| SEER | 20.5 |
| EER | 13.5 |
| HSPF | 11.5 |

| OUTDOOR TEMPERATURE OPERATION | |
|-------------------------------|-------------------------------------|
| Cooling | -13 °F - 122 °F (-25 °C - 50 °C) |
| Heating | -13 °F - 86 °F (-25 °C - 30 °C) |

| ELECTRICAL DATA | |
|---|--------------------------|
| Voltage/Phase/Frequency | 208-230V, 1 Phase, 60 Hz |
| Voltage Range | 187-253V |
| Recommended Breaker (Amps) | 15 |
| Minimum Circuit Ampacity (Amps) | 10 |
| Minimum Wire Size | 16 AWG |
| Rated Current - Cooling (Amps) ¹ | 3.05 |
| Rated Current - Heating (Amps) ² | 3.8 |

PRODUCT FEATURES

- Wired Thermostat Included
- Variable Speed Inverter Compressor
- Auto Restart
- Auto Changeover
- 24-hour Timer

¹Measured at 95 °F.

²Measured at 47 °F.





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SPECIFICATIONS

| SYSTEM DATA | |
|--------------------------|----------------|
| Refrigerant Type | R-410A |
| Refrigerant Charge (oz.) | 38.8 |
| Oil Type | Ester Oil VG74 |
| Oil Charge (oz.) | 12.5 (370 ml) |
| Design Pressure (PSIG) | 550/340 |

| LINE SET REQUIREMENTS | |
|---------------------------------|-----------------|
| Connection Type | Flare |
| Liquid | Ø1/4" (Ø6.35mm) |
| Gas | Ø3/8" (Ø9.52mm) |
| Pre-Charge Length | 25' |
| Minimum Length | 10' |
| Maximum Length | 82' |
| Maximum Height Differential | 33' |
| Additional Refrigerant (oz./ft) | 0.16 |

| FAN DATA | | |
|-----------------------------------|-------------|-----|
| Static Pressure (in wg) | 0-0.16 | |
| Indoor Unit Air Flow (CFM) | Low | 177 |
| | Medium | 283 |
| | High | 353 |
| Moisture Removal (Pints/hr) | 1.74 | |
| Drain Port O.D. / Drain Hose I.D. | Ø1" (Ø25mm) | |

| SOUND PRESSURE (dB(A)) | | |
|------------------------|--------|----|
| Indoor Unit | Low | 32 |
| | Medium | 35 |
| | High | 38 |
| Outdoor Unit | 55 | |

| INDOOR UNIT DIMENSIONS | | |
|------------------------|-----------|-----------|
| Unit Dimensions | Width | 27 9/16" |
| | Depth | 19 15/16" |
| | Height | 7 7/8" |
| Carton Dimensions | Width | 33 7/8" |
| | Depth | 21 1/4" |
| | Height | 11" |
| Net Weight | 39.0 lbs. | |
| Gross Weight | 50.0 lbs. | |

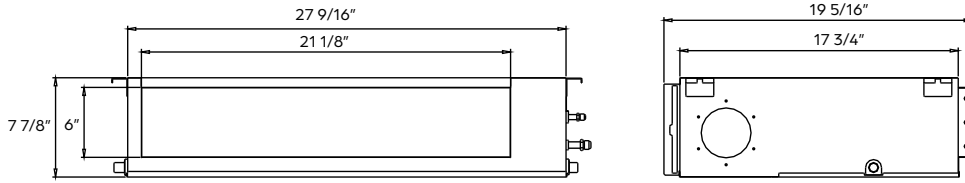
| OUTDOOR UNIT DIMENSIONS | | |
|-------------------------|-----------|-----------|
| Unit Dimensions | Width | 30 5/16" |
| | Depth | 11 13/16" |
| | Height | 21 7/8" |
| Carton Dimensions | Width | 35 7/16" |
| | Depth | 13 9/16" |
| | Height | 23" |
| Net Weight | 67.2 lbs. | |
| Gross Weight | 71.7 lbs. | |



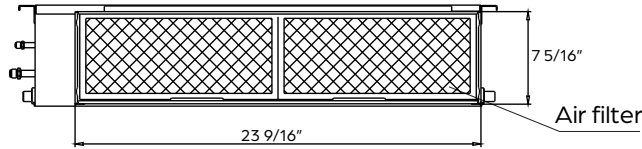
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IDU DIMENSIONS - DRAD09F1A

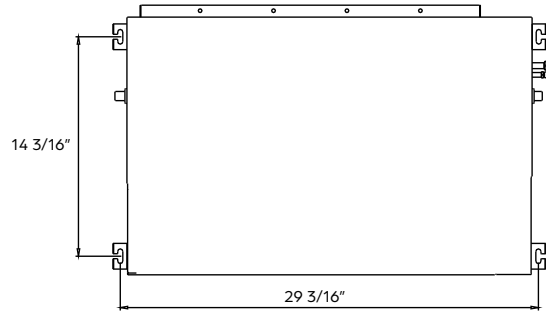
Unit and air outlet dimensions



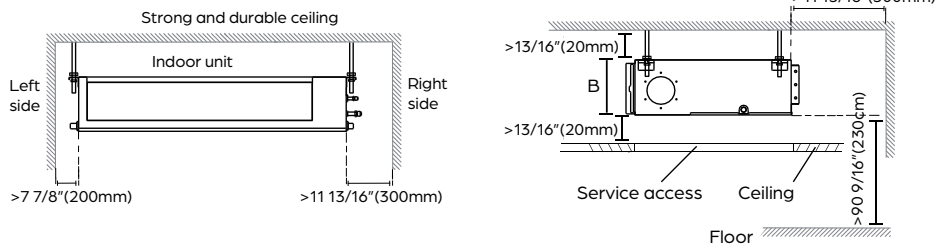
Air inlet dimensions



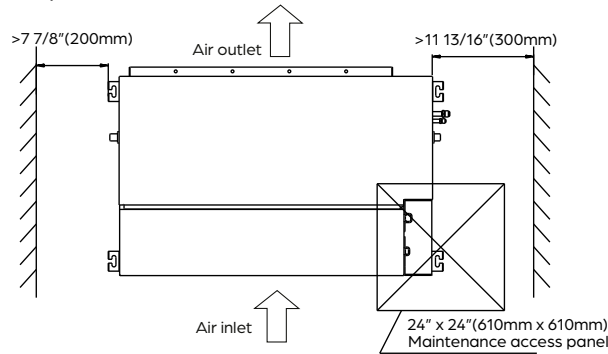
Mounting dimensions for ceiling bolts



Installation clearances



Maintenance access panel



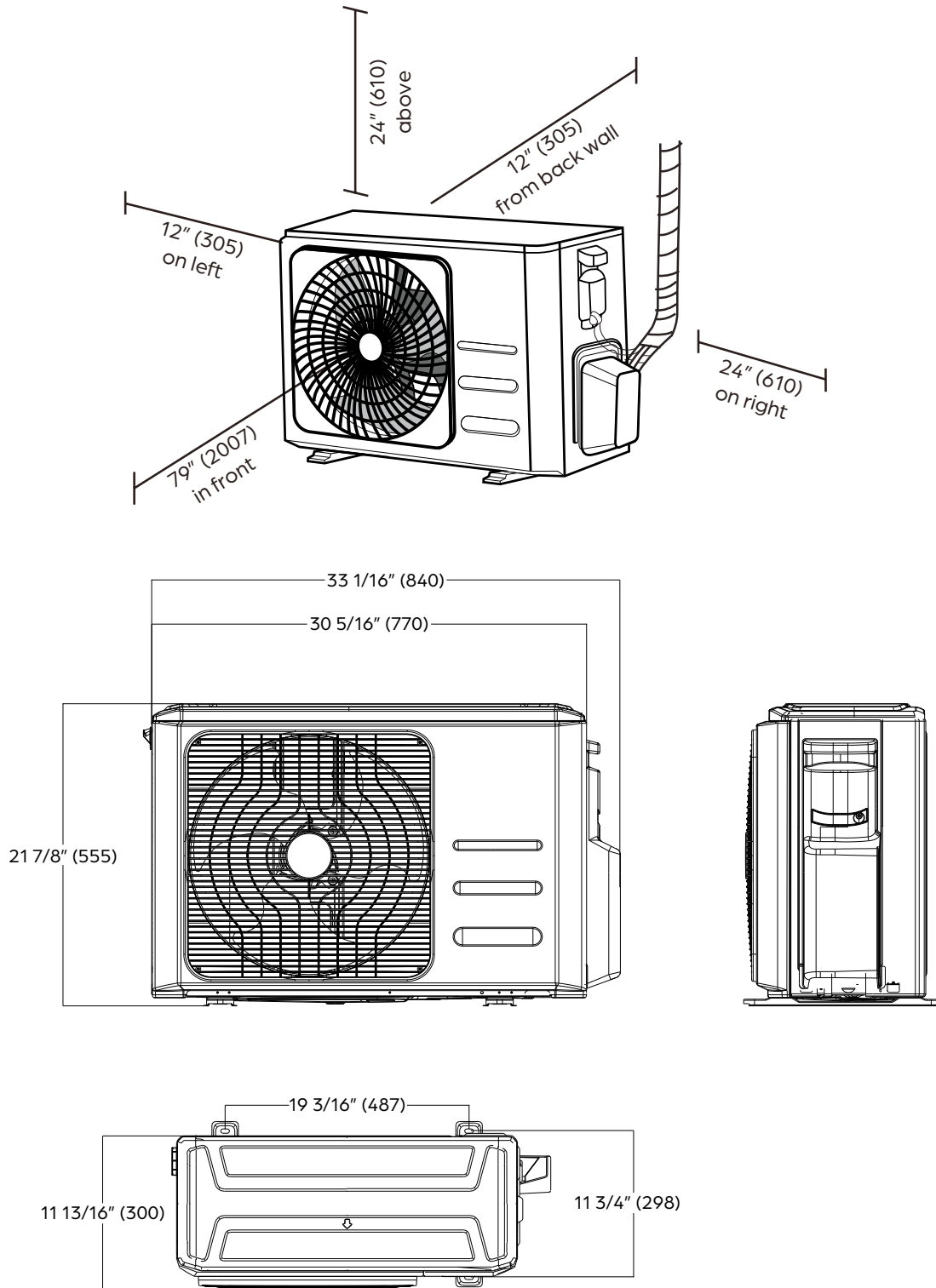
NOTE

For horizontal installation only.



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ODU DIMENSIONS - DRA1U09S1A



NOTE

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