

PROJECT NAME _____

LOCATION _____

ARCHITECT _____

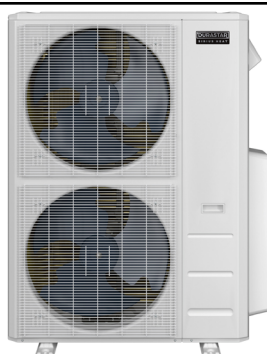
ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ DATE _____

Multi-Zone Outdoor Unit (ODU): DRA6H48M2A



PRODUCT FEATURES

- High heating capacity at 0°F
- Variable speed inverter compressor
- Low ambient heating and cooling down to -22°F
- 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 | 21.20 | 20.80 | 20.40 |
| EER2 | 12.00 | 11.85 | 11.70 |
| HSPF2 | 10.20 | 10.60 | 11.00 |
| COP at 47°F (8°C) ² | 3.60 | 3.56 | 3.52 |
| COP at 17°F (-8°C) ³ | 2.40 | 2.50 | 2.60 |
| COP at 5°F (-15°C) ⁴ | 2.00 | 2.00 | 2.00 |

SYSTEM DATA

| | |
|-------------------------------|--------------------|
| Refrigerant Type | R-454B |
| Refrigerant Charge (oz. (kg)) | 151.7 (4.3) |
| 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 | 45000 | 46000 | 47000 |
| | at 109°F (43°C) | 42000 | 43500 | 45000 |
| | at 5°F (-15°C) | 57500 | 59250 | 61000 |
| | Minimum | 12000 | 12000 | 12000 |
| | Maximum | 55000 | 56000 | 57000 |
| Heating (BTU/hr) | Rated at 47°F (8°C) ² | 49000 | 48500 | 48000 |
| | Rated at 17°F (-8°C) ³ | 40500 | 42500 | 44500 |
| | Rated at 5°F (-15°C) ⁴ | 48000 | 48000 | 48000 |
| | at -13°F (-25°C) | 29000 | 29500 | 30000 |
| | at -22°F (-30°C) | 22600 | 23800 | 25000 |
| | Minimum | 13000 | 13000 | 13000 |
| | Maximum | 55000 | 57500 | 60000 |
| Nominal ODU Capacity ⁵ | | 48000 | | |





SIRIUS HEAT™

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

SPECIFICATIONS-DRA6H48M2A

| LINE SET REQUIREMENTS | |
|---|--|
| Connection Type | Flare |
| Liquid (in. (mm)) | 6 x Ø1/4 (Ø6.35) |
| Gas (in. (mm)) | 4 x Ø3/8 (Ø9.52) 2 x Ø1/2 (Ø12.70) |
| Refrigeration Adaptors Included (in) | 2 x 1/4 → 3/8 1 x 3/8 → 1/2 2 x 1/2 → 3/8 2 x 1/2 → 5/8 |
| Minimum Indoor Units Connected | 2 |
| Pre-Charge Length/ Zone (ft. (m)) | 25 (7.5) |
| Maximum Length (combined IDUs) (ft. (m)) | 262 (80) |
| Maximum Length (per IDU) (ft. (m)) | 115 (35) |
| 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" Liquid Pipe (oz./ft (g/m)) | .16 (15) |
| Additional Refrigerant for Ø3/8" 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) | 40 | |
| Minimum Circuit Ampacity (Amps) | 37.0 | |
| Communication Wire Size | 14*4 AWG Stranded | |
| Rated Current - Cooling (Amps) ¹ | 16.8 | 17.9 |
| Rated Current - Heating (Amps) ² | 18.0 | 17.5 |

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)

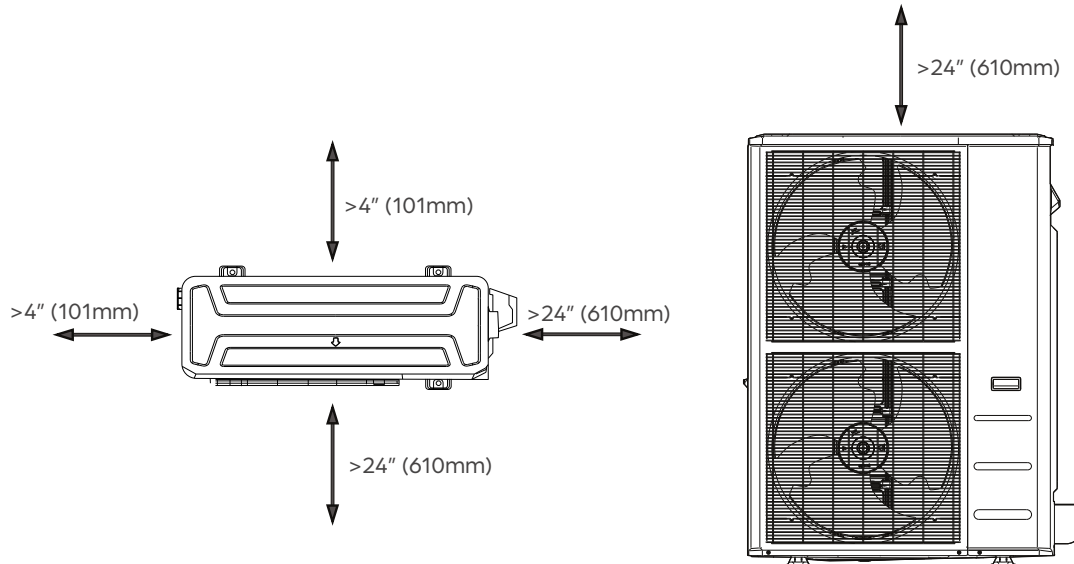
⁴ Value at AHR1 Rated Capacity at 5°F (-15°C) (H42)

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 | 37-1/2 (952) |
| | Depth | 16-5/16 (415) |
| | Height | 52-1/2 (1333) |
| Carton Dimensions (in. (mm)) | Width | 43-1/8 (1095) |
| | Depth | 19-1/2 (495) |
| | Height | 58-1/4 (1480) |
| Net Weight (lbs. (kg)) | 246.5 (111.8) | |
| Gross Weight (lbs. (kg)) | 276.7 (125.5) | |
| Cooling Operating Temp. (°F (°C)) | -22 - 122 (-30 - 50) | |
| Heating Operating Temp. (°F (°C)) | -22 - 75 (-30 - 24) | |
| Airflow (CFM) | 4503 | |
| Sound Pressure (dB(A)) | 65 | |
| Fan Speed (r/min) | Low | 650 |
| | Med | 700 |
| | High | 800 |
| Fan Motor Current Type | DC | |

| COMPRESSOR | |
|----------------------|----------------------------------|
| Type | DC Inverter Twin Cylinder Rotary |
| Oil Type | VG75 |
| Oil Charge (oz.(ml)) | 44 (1300) |

Clearances



Dimensions

