

*Tropical Series*

SUBMITTAL DATA – VRF OUTDOOR UNIT

CTVS-EMO-C-120-C-CE-DC-1

VRF COOLING ONLY

Job: _____
Location: _____
Schedule No.: _____
System Designation: _____

Engineer: _____
Architect: _____
Date: _____
For: Reference Approval Review Construction

FEATURES

- All DC Inverter Technology
- Floating Evaporating Temperature
- Multi Silent Mode
- Back Up Operation
- Selectable High ESP (Optional)
- Wide Application Range
- Capacity Output Limitation
- Multi Priority Mode
- Auto Dust Cleaning (Optional)
- Anti-corrosion Protection (Optional)
- Auto Addressing
- Intelligent Duty Cycle Operation
- Real-time Refrigerant Amount Monitoring
- Auto Refrigerant Charging (Optional)

SPECIFICATIONS

PERFORMANCE

| | | |
|-------------------------------|---------|---------|
| Cooling Capacity ¹ | Btu/h | 114,400 |
| EER | Btu/W*h | 12.8 |
| Power Input | kW | 8.90 |
| Heating Capacity ¹ | Btu/h | / |
| COP | Btu/W*h | / |
| Power Input | kW | / |

ELECTRICAL DATA

| | | |
|--------------------------|---------|------------------|
| Power Supply | V/Ph/Hz | 220V,3Ph,50/60Hz |
| Minimum Circuit Ampacity | A | 43.0 |
| Total Over-current Amps. | A | 49.4 |
| Max. Fuse Amps. | A | 50.0 |
| Compressor RLA | A | 38.65 |
| No. of Compressors | / | 1 |
| Outdoor Fan Power Input | W | 560 |
| Outdoor Fan FLA | A | 4.4 |

GENERAL DATA

| | | |
|----------------------------|------------------------|---------------|
| Connection Ratio | % | 50% to 130% |
| Max. # of Indoor Units | / | 20 |
| Sound Pressure Level | dB(A) | 60 |
| Outdoor Fan Air Volume | m ³ /h(CFM) | 10,800(6,357) |
| Refrigerant type | / | R410A |
| Factory refrigerant charge | kg(lbs.) | 8(17.6) |

DIMENSIONS

| | | |
|-------------------------|----------|----------------|
| Unit Dimensions mm(in.) | Height | 1615(63-9/16) |
| | Width | 960(37-13/16) |
| | Depth | 765(30-1/8) |
| Liquid Pipe Connection | mm(in.) | Φ12.7 (Φ1/2) |
| Gas Pipe Connection | mm(in.) | Φ28.6 (Φ1-1/8) |
| Net Weight | kg(lbs.) | 193 (425) |
| Shipping Weight | kg(lbs.) | 209 (461) |



OPTIONAL ACCESSORIES

1. Cooling and Heating Capacity data is rated at the following conditions:

Cooling: 80.6 ° F DB / 66.2 ° F WB Indoor, 95 ° F DB Outdoor;

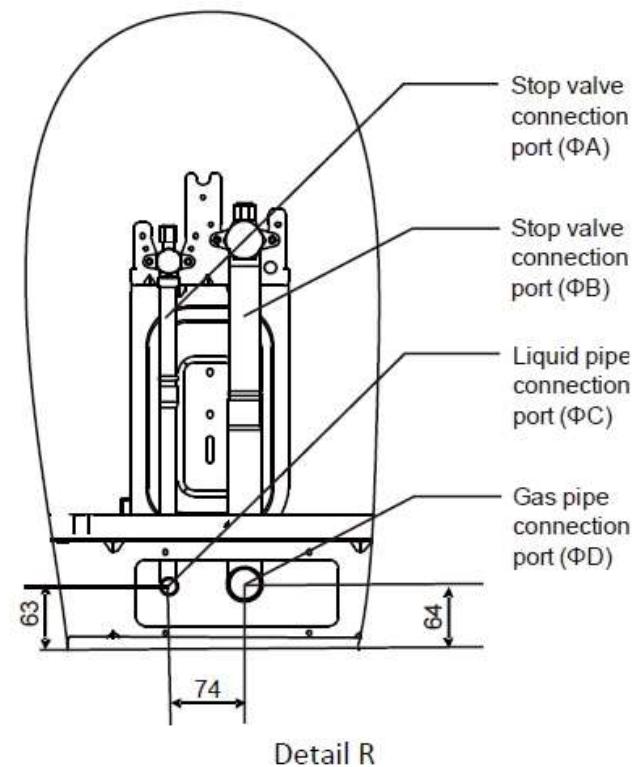
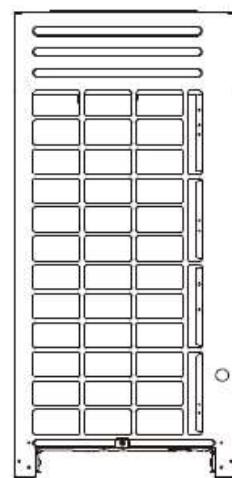
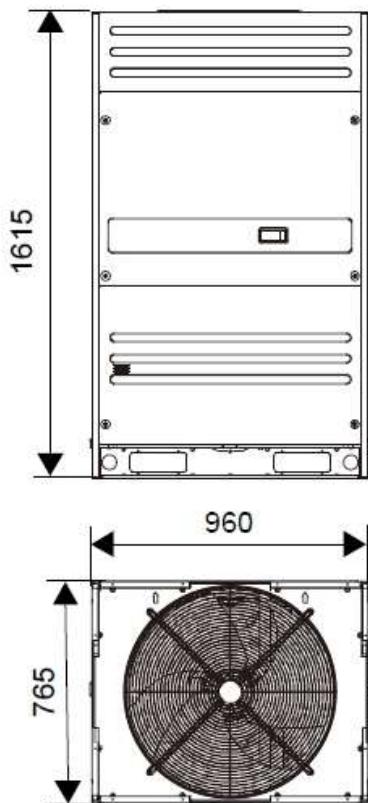
Heating: 68 ° FDB Indoor, 44.6 ° F DB / 42.8 ° F WB Outdoor;



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DIMENSIONAL DRAWINGS - INCHES (MM)



| A | B | C | D | E | F | G |
|-------------|-----------|-------------|---------------|--------------|------------|--------------|
| Φ12.7(1/2") | Φ25.4(1") | Φ12.7(1/2") | Φ28.6(1-1/8") | 63(2-15/32") | 74(2-7/8") | 64(2-17/32") |