



## Tropical Series

# SUBMITTAL DATA – VRF OUTDOOR UNIT

## CTVS-EMO-C-230-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 <sup>1</sup>	Btu/h	228,800
EER	Btu/W*h	11.4
Power Input	kW	20.1
Heating Capacity <sup>1</sup>	Btu/h	/
COP	Btu/W*h	/
Power Input	kW	/

#### ELECTRICAL DATA

Power Supply	V/Ph/Hz	220V,3Ph,50/60Hz
Minimum Circuit Ampacity	A	91.0
Total Over-current Amps.	A	107.0
Max. Fuse Amps.	A	100.0
Compressor RLA	A	37.7+37.5
No. of Compressors	/	2
Outdoor Fan Power Input	W	560+560
Outdoor Fan FLA	A	9.2

#### GENERAL DATA

Connection Ratio	%	50% to 130%
Max. # of Indoor Units	/	39
Sound Pressure Level	dB(A)	64
Outdoor Fan Air Volume	m <sup>3</sup> /h(CFM)	19,600(11,536)
Refrigerant type	/	R410A
Factory refrigerant charge	kg(lbs.)	19(41.9)

#### DIMENSIONS

Unit Dimensions mm(in.)	Height	1615(63-9/16)
	Width	1585(62-3/8)
	Depth	765(30-1/8)
Liquid Pipe Connection	mm(in.).	Φ19.1(Φ3/4)
Gas Pipe Connection	mm(in.).	Φ31.8 (Φ1-1/4)
Net Weight	kg(lbs.)	352 (776)
Shipping Weight	kg(lbs.).	376 (829)



#### 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;

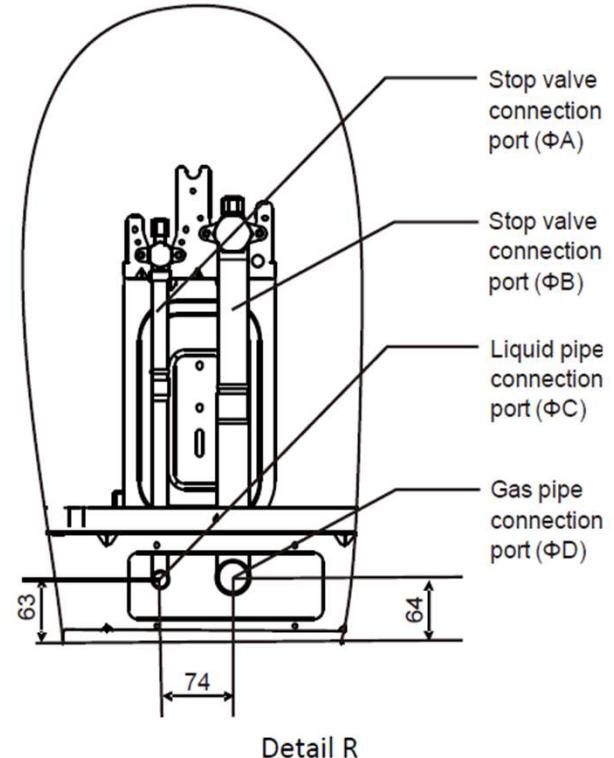
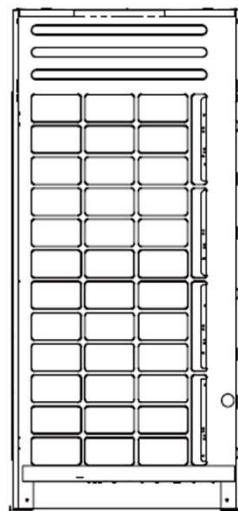
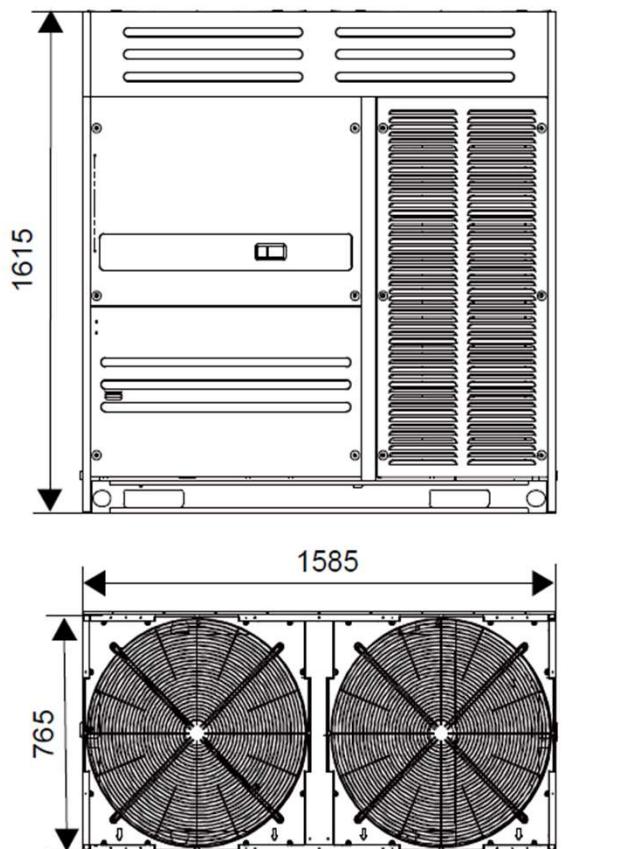
**Heating:** 68 ° FDB Indoor, 44.6 ° F DB / 42.8 ° F WB Outdoor;



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## DIMENSIONAL DRAWINGS - INCHES (MM)



A	B	C	D	E	F	G
Φ19.1(3/4")	Φ35.0(1-3/8")	Φ19.1(3/4")	Φ31.8(1-1/4")	63(2-15/32")	74(2-7/8")	64(2-17/32")