



Tropical Series

SUBMITTAL DATA – VRF OUTDOOR UNIT

CTVS-EMO-C-171-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	170,800
EER	Btu/W*h	12.5
Power Input	kW	13.7
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	85.5
Total Over-current Amps.	A	98.0
Max. Fuse Amps.	A	100.0
Compressor RLA	A	37.4+37.2
No. of Compressors	/	2
Outdoor Fan Power Input	W	560+560
Outdoor Fan FLA	A	8.0

GENERAL DATA

Connection Ratio	%	50% to 130%
Max. # of Indoor Units	/	29
Sound Pressure Level	dB(A)	62
Outdoor Fan Air Volume	m ³ /h(CFM)	12,000(7,063)
Refrigerant type	/	R410A
Factory refrigerant charge	kg(lbs.)	13(28.7)

DIMENSIONS

Unit Dimensions mm(in.)	Height	1615(63-9/16)
	Width	1250(49-3/16)
	Depth	765(30-1/8)
Liquid Pipe Connection	mm(in.)	Φ15.9 (Φ5/8)
Gas Pipe Connection	mm(in.)	Φ31.8 (Φ1-1/4)
Net Weight	kg(lbs.)	296 (653)
Shipping Weight	kg(lbs.)	313 (690)



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;

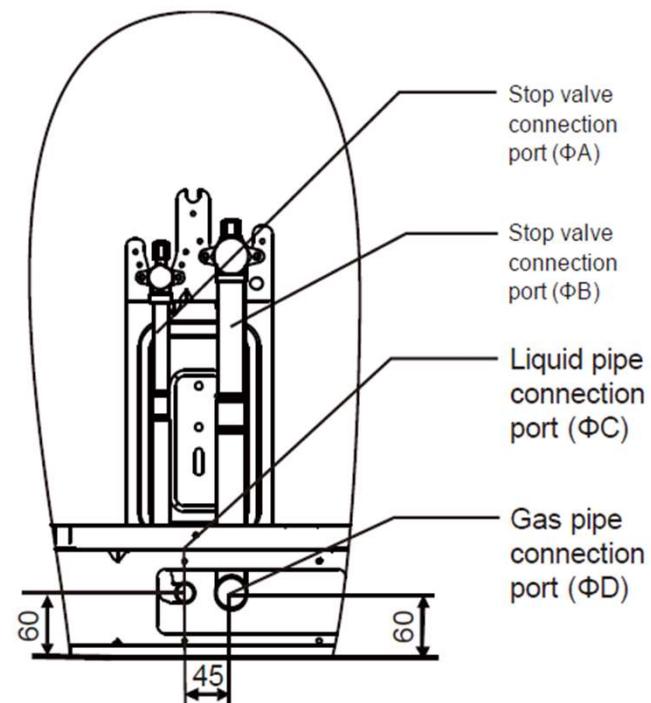
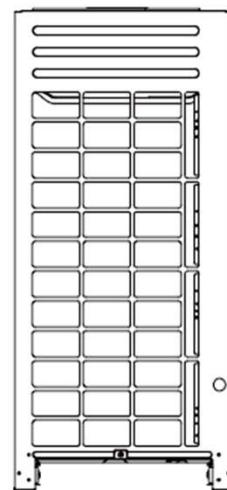
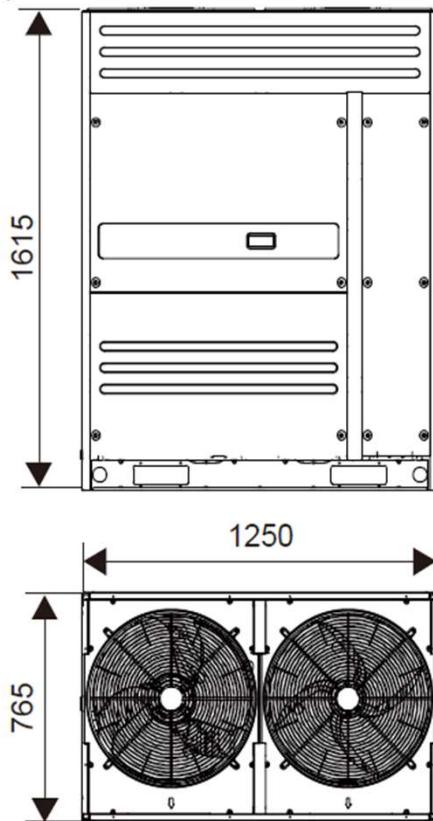
Heating: 68 ° FDB Indoor, 44.6 ° F DB / 42.8 ° F WB Outdoor;



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DIMENSIONAL DRAWINGS - INCHES (MM)



Detail R

A	B	C	D	E	F	G
Φ15.9(5/8")	Φ28.6(1-1/8")	Φ15.9(5/8")	Φ31.8(1-1/4")	60(2-3/8")	45(1-3/4")	60(2-3/8")