



SUBMITTAL DATA – VRF OUTDOOR UNIT

CTVS-EMV-H-053-A-CE-DC-1

MINI VRF HEAT PUMP

Job: _____ **Engineer:** _____
Location: _____ **Architect:** _____
Schedule No.: _____ **Date:** _____
System Designation: _____ **For:** **Reference** **Approval** **Review** **Construction**

FEATURES

- Compact design, saving space and simplifying installation
- High efficiency by using DC inverter compressor and DC fan motor
- 1 to 9 indoor units connection
- Wide Application Range: cooling - -5°C to 55 °C; heating - -15°C to 27 °C

Model		CTVS-EMV-H-053-A-CE-DC-1	
Cooling ¹	Capacity	kW	15.5
		Btu/h	52,888
	EER	kW	3.1
		Btu/W*h	11.0
		kW/ kW	3.23
Heating ²	Capacity	kW	18
		Btu/h	61,419
	COP	kW	1.95
		Btu/W*h	3.9
		kW/ kW	4.16
Connectable indoor unit	Total capacity	50~130% of outdoor unit capacity	
	Quantity	1~9	
Compressor	Type	DC inverter	
	Quantity	1	
Fan motor	Type	DC	
	Quantity	1	
Outdoor air flow	m ³ /h	5200	
	CFM	3,061	
Sound pressure level ³	dB(A)	56	
Net/Packed dimensions (W×H×D)	mm	1040 x 865 x 523	
	inch	40.9 x 34.1 x 20.6	
Packed dimensions (W×H×D)	mm	1120 x 980 x 560	
	inch	44.1 x 38.6 x 22	
Net/Gross weight	kg	94.4 / 104.4	
	Lbs	208.1 / 230.2	
Refrigerant type/factory charge	kg	R410A/2.2	
Liquid/Gas pipe	mm	Φ9.53/Φ15.9	
	inch	3/8" / 5/8"	
Minimum Circuit Amps (MCA)	A	40	
Recommended Fuse Size (MFA)	A	40	



Notes:

1. Indoor temperature 27°CDB, 19°CWB; outdoor temperature 35°CDB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°CDB; outdoor temperature 7°CDB, 6°CWB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Sound pressure level is measured 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

DIMENSIONAL DRAWINGS - (MM)
