



# SUBMITTAL DATA – VRF OUTDOOR UNIT

## CTVS-EMV-H-041-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 7 indoor units connection
- Wide Application Range: cooling - -5°C to 55 °C; heating - -15°C to 27 °C

Model		CTVS-EMV-H-041-A-CE-DC-1	
Cooling <sup>1</sup>	Capacity	kW	12
		Btu/h	40,946
	EER	kW	3.1
		Btu/W*h	13.2
Heating <sup>2</sup>	Capacity	kW	14
		Btu/h	47,770
	COP	kW	1.95
		Btu/W*h	13.9
Connectable indoor unit	Total capacity		50~130% of outdoor unit capacity
	Quantity		1~7
Compressor	Type		DC inverter
	Quantity		1
Fan motor	Type		DC
	Quantity		1
Outdoor air flow		m <sup>3</sup> /h	5000
		CFM	2,943
Sound pressure level <sup>3</sup>		dB(A)	56
Net/Packed dimensions (W×H×D)		mm	950 x 840 x 440
		inch	37.4 x 33.1 x 17.3
Packed dimensions (W×H×D)		mm	1025 x 950 x 510
		inch	40.4 x 37.4 x 20.1
Net/Gross weight		kg	83 / 92
		Lbs	183 / 202.8
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	35
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)

