

**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 <sup>1</sup>	Capacity	kW	15.5
		Btu/h	52,888
	Input	kW	3.1
	EER	Btu/W*h	11.0
		kW/ kW	3.23
Heating <sup>2</sup>	Capacity	kW	18
		Btu/h	61,419
	Input	kW	1.95
	COP	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 <sup>3</sup> /h	5200
		CFM	3,061
Sound pressure level <sup>3</sup>		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)**