

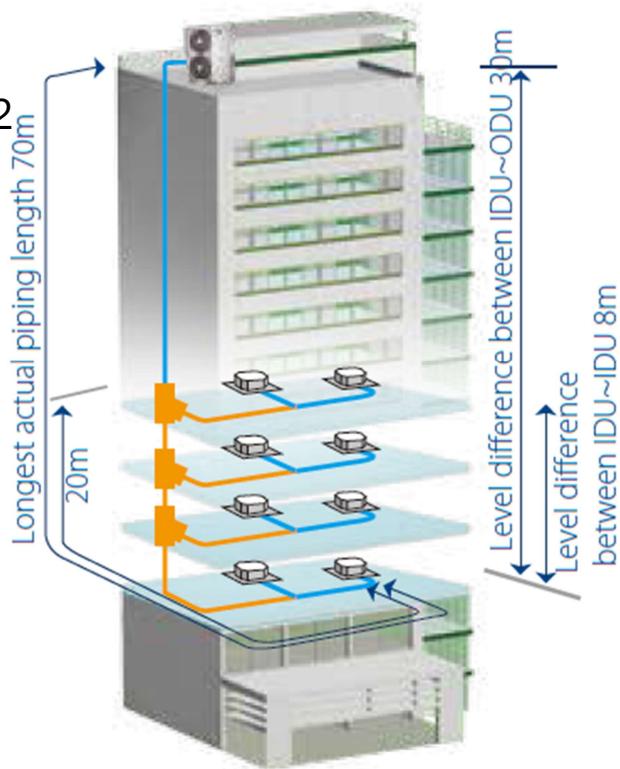
VRF Side Discharge Series SD

Heat Pump – 220/3/60

Optimized design for small and medium-sized buildings

- 2 models, 86,000 & 96,000 Btu/h
- Connectable Indoor Units Quantity up to 12
- Precise Oil Control Technology
- Advanced Silence Technology

Long Piping Capability		
Piping length	Capability (m (ft.))	
	m	FT
Total piping length	120	394
Longest length - actual (equivalent)	60/70	(197/230)
Longest length after first branch	20	66
Longest length after nearest branch	15	49
Largest level difference between IDUs and ODU-ODU up (down)	30/20	(98/66)
Largest level difference between IDUs	8	26



AHU Connection Kit

Connect to Comfort Time or third-party DX AHU

Control Systems

Smart control systems

Ventilation

Heat recovery ventilator (HRV)

Indoor Units

VRF indoor units



VRF Side Discharge

Series SD

Heat Pump – 220/3/60

		CTVS-ESD-H-086-C-CE-DC-1	CTVS-ESD-H-096-C-CE-DC-1
Power supply		220/3/60	
Cooling'	Capacity	kW	25.2
		kBtu/h	86.0
		HP	8
	Input	kW	6.8
	EER	kW/kW	3.71
Heating'	Capacity	kW	27
		kBtu/h	92.1
	Input	kW	6.4
	COP	kW/kW	4.22
Connectable indoor unit	Total capacity	50- 130% of outdoor unit capacity	
	Max. quantity	11	12
Compressor	Type	DC inverter	
	Quantity	1	
Outdoor fan motor	Type	DC motor	
	Quantity	2	
Outdoor airflow		m³/h	10,494
		CFM	6,170
Sound pressure level ³		dB(A)	58 60
Net dimension (WxHxD)		mm	1,120 x 1,558 x 528
		inch	44-3/32" x 61-11/32" x 20-25/32"
Packing size (WxHxD)		mm	1,270 x 1,720 x 565
		inch	50" x 67-23/32" x 22 -1/4"
Weight	Net	Kg	147
		Lbs	323.4
	Gross	Kg	163
		Lbs	358.6
Refrigerant	Type	R410A	
	Factory charging	kg(lbs)	62
		kg(lbs)	13.6
Refrigerant piping	Liquid pipe	mm	9.53
		inch	3/8"
	Gas pipe	mm	22.2
		inch	7/8"
Ambient temperature range	Cooling	°C	-5 to 48
		°F	23 to 118 .4
	Heating	°C	-15 to 24
		°F	5 to 75.2

Notes:

- 1.- Indoor air temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor air temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- 2.- Indoor air temperature 20°C (68.0°F) DB; outdoor air temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- 3.- Sound pressure level is measured at a position 1 m (3.28ft) in front of the unit and 1 m (3.28ft) above the floor in a semi-anechoic chamber.