

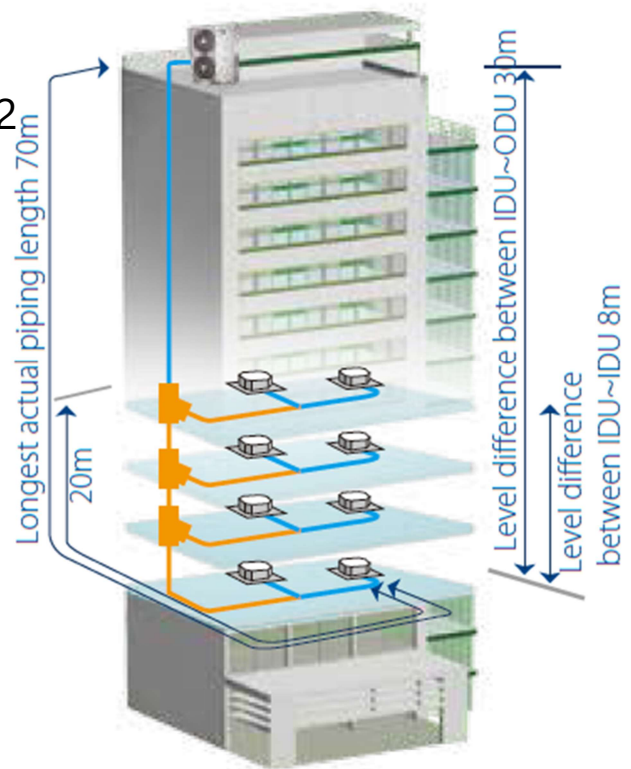


VRF Side Discharge Series SD Heat Pump – 220/3/60

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



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			CTVS-ESD-H-086-C-CE-DC-1	CTVS-ESD-H-096-C-CE-DC-1
Power supply		V-Ph-Hz	220/3/60	
Cooling '1	Capacity	kW	25.2	28
		kBtu/h	86.0	95.5
		HP	8	10
	Input	kW	6.8	7.8
	EER	kW/kW	3.71	3.59
Heating'	Capacity	kW	27	31.5
		kBtu/h	92.1	107.5
	Input	kW	6.4	7.6
	COP	kW/kW	4.22	4.14
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		m ³ /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.