



COP up to 4.96

The highest level in the commercial hot water industry

- Hotels
- Apartment Buildings
- Health Clubs
- Hostels
- SPA/Salon/Sauna
- Retirement Homes

ITS-50VD3_{pro}

Heat Pump Water Heater





Key Components

ITS-50VD3_{pro}



High Efficiency

25% higher efficiency with Φ7 mm evaporator & special coating for coastal cities.



DTU remote monitoring

Connects to mobile network for remote monitoring and mobile app control.



High COP of 4.96

The COP is as high as 4.9 which is even higher than the first class energy rating.



Copeland ZW Compressor

Heat Pump dedicated R410A scroll compressor.



Ultra-quiet Operation

Improved evaporator wind field design provides ultra-quiet operation in commercial buildings.



Wide Application

Super-widely operation envelope for all climates hot water application.



Model		ITS-50VD3 _{pro}
Hot Water Capacity*	kW	50.0
Power Input*	kW	10.4
COP*	W/W	4.81
Hot Water Volume	L/h	1031
Hot Water Capacity**	kW	36.0
Power Input**	kW	10.1
COP**	W/W	3.56
Max. Power Input	kW	14.3
Max. Running Current	A	24.2
Power Supply	V/Ph/Hz	380~415V/3N~/50Hz
Compressor Quantity	/	2
Compressor Type	/	Scroll
Compressor Brand	/	Copeland ZW Series Heat Pump Dedicated Compressor
Throttle Device	/	Electronic Expansion Valve
Fan Quantity	/	2
Circulation Water Pump	/	/
Fan Motor Input	W	200×2
Water Flow Volume	m³/h	8.3
Water Pressure Drop	kPa	110
Water Connection	inch	1.5
Noise	dB(A)	61
Air Volume	m³/h	5500×2
Air Discharge Type	/	Vertical
Max.Outlet Water Temp.	°C	60
Operation Range	°C	-15~43
Condenser	/	Patented Tube in Shell Heat Exchanger
Evaporator	/	Hydrophilic Aluminum Finned Heat Exchanger with Special Coating
Defrosting	/	by 4-Way Valve
Controller	/	Multi-function Controller
Display	/	5 inch Color Touch Display
Refrigerant	/	R410A
Cabinet	/	Eco-friendly Galvanized Metal
Net Weight	kg	350
Gross Weight	kg	400
Net Dimensions(L/W/H)	mm	1700/800/1735
Shipping Dimensions(L/W/H)	mm	1830/880/1900

Test Condition*: ambient temperature 20°C/15°C, water circulation from 15°C to 55°C.

Test Condition**: ambient temperature 7°C/6°C, water temp. (in/out): 40°C/45°C.

The data above is for reference only. For more specific data, please refer to the nameplate on the unit.