

Hot Water Heat Pump

Split System HPRX300E-1



High volume hot water
Ideal for commercial settings.

Premium DC technology
For superior performance.

R290
Delivers a high certificate yield when installed commercially.
• Low Global Warming Potential (GWP) of 3.

Quick connection
No vacuum process required.

Boost mode
Speed up the heating process of your hot water tank when you need it quickly.

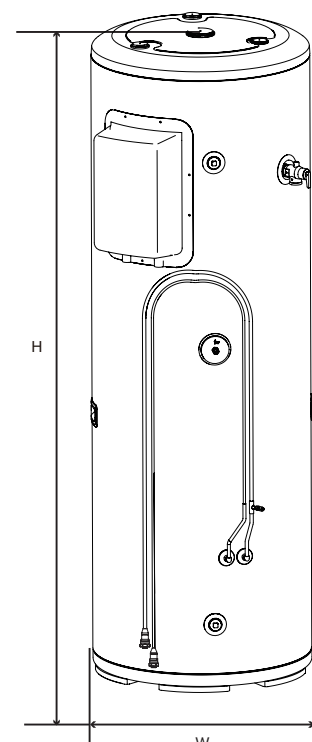
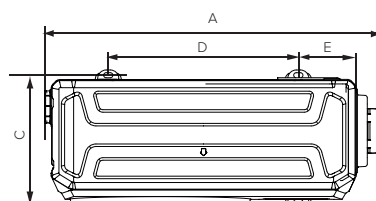
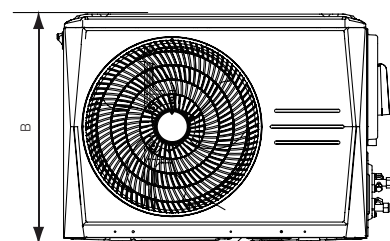
Silent mode
For quieter operation.

Wide operating range
• Ambient Temperature -15°C~46°C.
• Leaving water temperature 52°C~70°C.

A high-capacity hot water system ideal for high-demand locations such as gyms, salons, and cafes, the Emerald Hot Water Heat Pump Split System delivers exceptional efficiency in commercial settings. An optional electric heater is available to increase hot water supply when needed. With a heat exchanger located in the tank, this system minimises energy loss, ensuring reliable efficiency year-round.

Outdoor unit				
Dimension (mm)				
A	B	C	D	E
804	555	302	452	137

Tank		
Litres	W (mm)	H (mm)
300	580	1735



Specifications

	Model number		HPRX300E-1
	Ambient temperature		°C -15~46
	Leaving water temperature		°C 52~70 (default 70°C)
	Heating	Capacity ¹	W 3600
		Input	W 1800
	Hot water yield		m ³ /h 0.04721/ 0.06022
	Refrigerant piping	Liquid side	mm/inch ϕ 6.35 / ϕ 1/4'
		Gas side	mm/inch ϕ 9.52 / ϕ 3/8'
		Max. height difference	m 10
		Max. refrigerant pipe length	m 20
Design pressure		MPa 3.3	
Outdoor Unit	Outdoor unit power supply		V/N/Hz 220-240V/50
	Max. current		A 26.0
	Compressor Type		Type DC inverter rotary
	Fan	Type	DC inverter
	Air side heat exchanger		Type Hydraulic aluminum fin + Inner grooved copper tube
	Throttle		Type Electric expansion valve
	Outdoor sound pressure level		dB(A) 54
	Dimension	Unit dimension (L*W*H)	mm 804*327*555
		Packing dimension (L*W*H)	mm 845*390*630
		Net weight	kg 27
Refrigerant	Type	R290	
	Charged volume	g 470	
Water Tank	Tank volume		L 300
	Electric heater	Capacity	kW 4.2
		Power supply	V/N/Hz 220-240V/50
	Dimension	Unit dimension (ϕ *H)	mm 580*580*1735
		Packing dimension (W*D*H)	mm 1835*690*670
		Net weight	kg 106

1. Ambient temperature 19/15°C(DB/WB), initial water temperature 9°C, terminative water temp. 60°C.