

# Hot Water Heat Pump

## Split System



**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**

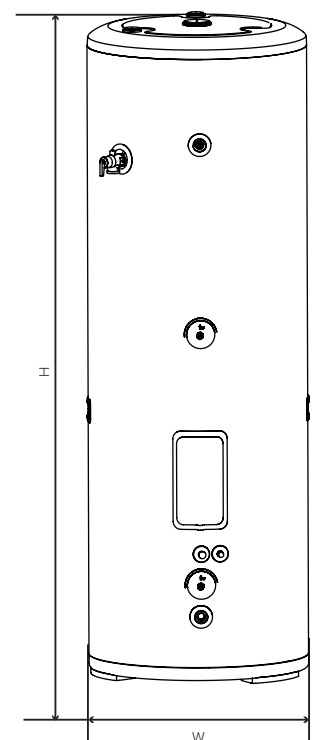
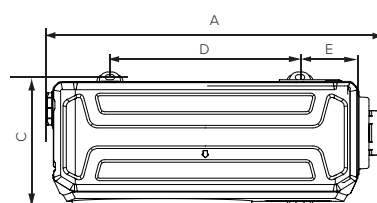
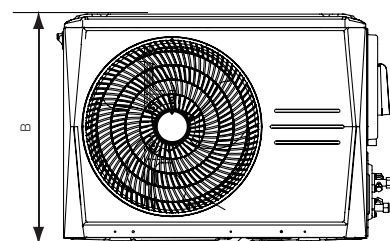
- Ambient Temperature -15°C~46°C.
- Leaving water temperature 52°C~70°C.

Designed by Emerald, proudly Australian since 2006, this Heat Pump Split System is designed for efficiency and reliability in a range of climates.

The Emerald Hot Water Heat Pump Split System performs well in any environment and has an optional built-in electric heater to boost hot water supply. The refrigerant cycling heat pump's heat exchanger is situated in the water tank to reduce energy loss, making it effective even in lower outdoor temperatures all year round.

Outdoor unit				
Dimension (mm)				
A	B	C	D	E
804	555	327	452	137

Tank		
SIZE (L)	W (mm)	H (mm)
200	505	1665
300	580	1735



## Specifications

			HPR200	HPR200E	HPR300-1	HPR300E-1	
	Model number		HPR200	HPR200E	HPR300-1	HPR300E-1	
	Ambient temperature		°C	-15~46			
	Leaving water temperature		°C	52~60°C		52~70°C	
	Heating	Capacity <sup>1</sup>	W	2800			
		Input	W	1150			
	Hot water yield <sup>2</sup>		L/h	60			
	Refrigerant piping	Liquid side	mm/inch	6.35 / 1/4"			
		Gas side	mm/inch	9.52 / 3/8"			
		Max. height difference	m	10			
		Max. refrigerant pipe length	m	20			
Design pressure		MPa	3				
Outdoor Unit	Outdoor unit power supply		V/N/Hz	220-240/1/50			
	Max. current		A	5.2	14.3	5.2	14.3
	Compressor Type		Type	DC inverter rotary			
	Fan	Type		DC			
		Air flow (Min./Max.)	m³/h	200/1700			
	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			
		Gross weight	kg	30			
Refrigerant	Type		R290				
	Charged volume	g	470				
Water Tank	Tank volume		L	200		300	
	Electric heater	Capacity	kW	-	2.1	-	2.1
		Power supply	V/N/Hz	220-240V/1/50			
	Dimension	Unit dimension (Ø*H)	mm	505*1665		580*1735	
		Packing dimension (W*D*H)	mm	1775*635*590		1835*690*670	
		Net weight	kg	74	76	100	102
		Gross weight	kg	84	86	112	114

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

2. Ambient temperature 19/15°C(DB/WB), Initial water temp. 15°C, Terminative water temp. 55°C.