Hot Water Heat Pump
All-In-One Select

Built-in Wi-Fi Control

R290 Low GWP 3

220 Litre

270 Litre

R290: With a low GWP of 3 and excellent thermodynamic properties, R290 delivers superior performance and better efficiency.

Built-in Wi-Fi: Enables convenient smart control for improved efficiency and savings.

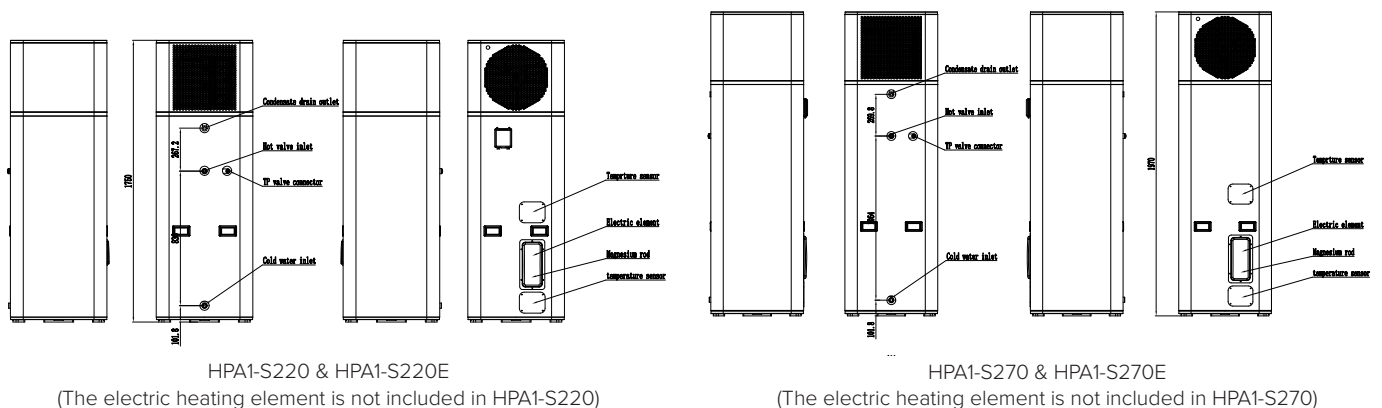**Emerald Network:** Monitor all your heat pump installs remotely in real time.

Solar Soaker: Automatically uses surplus solar energy to run the heat pump, delivering free hot water when paired with the Electricity Advisor Wi-Fi pack.

Boost mode: Quickly raise water temperature while maintaining low noise levels.

Generous government rebates: Leading energy-efficient technology for maximum rebates from schemes including VEU, ESS, REPS and CER.

Designed by Emerald, proudly Australian since 2006, the All-In-One Heat Pump Select combines efficiency, reliability, and smart Wi-Fi control in one powerful system.

Ideal for residential use, it delivers peak performance across a range of conditions. A built-in electric heater is also available to boost hot water supply when needed. Easily connect to Emerald App via Wi-Fi for convenient control using your mobile phone.

HPA1-S220 & HPA1-S220E
(The electric heating element is not included in HPA1-S220)

HPA1-S270 & HPA1-S270E
(The electric heating element is not included in HPA1-S270)

Specifications

Emerald model (residential)		HPA1-S220E	HPA1-S220	HPA1-S270E	HPA1-S270
Power supply		220V~240V/50HZ/1Phase			
Water tank volume		220L	220L	270L	270L
Optional running modes		Standard / Boost / E-Heater	Standard / Boost	Standard / Boost / E-Heater	Standard / Boost
Electric heating element		1kW	N/A	1kW	N/A
Heating capacity	Standard mode (Heat pump only)	2.8kW	2.8kW	2.8kW	2.8kW
Rated input power		0.68kW	0.68kW	0.63kW	0.63kW
COP for heat pump		4.19	4.19	4.41	4.41
Recharge rate		58L/h	58L/h	58L/h	58L/h
Sound level at 1m		50dB(A)	50dB(A)	50dB(A)	50dB(A)
Heating capacity	Boost mode (Heat pump + Electric heater)	3.8kW	2.8kW	3.8kW	2.8kW
Rated input power		1.68kW	0.68kW	1.63kW	0.63kW
COP for heat pump		4.19	4.19	4.41	4.41
Recharge rate		79L/h	58L/h	79L/h	58L/h
Heating capacity	E-Heater mode (Electric heater only)	1.0kW	N/A	1.0kW	N/A
Rated input power		1.0kW	N/A	1.0kW	N/A
COP for heat pump		N/A	N/A	N/A	N/A
Recharge rate		21L/h	N/A	21L/h	N/A
Max current (under boost mode)		8.8A	4.7A	8.7A	4.5A
Refrigerant		R290 (350g)		R290 (450g)	
Compressor		GMCC (Toshiba JV) / Non-Inverter/ Rotary			
Fan motor		Non-DC Inverter			
Inner tank		Enamel / 2.5mm tank wall / 3.0mm dome			
Inner tank diameter		φ540mm			
Tank insulation		Polyurethane / 35mm-157mm			
Inner tank design		Concave			
Fan type		Axial			
Expansion valve		EEV			
Defrost		4-way valve			
Emerald APP		Available			
TPR valve		850kPa			
Rated outlet water temperature		60°C			
Max outlet water temperature (heat pump)		70°C			
Working range with element		-15°C-43°C			
Working range without element		-7°C-43°C			
IP class		IPX4			
Electric shock proof class		I			
Unpacked dimension		600mm*600mm*1750mm	600mm*600mm*1750mm	600mm*600mm*1970mm	600mm*600mm*1970mm
Packed dimension (outdoor unit)		650mm*680mm*1870mm	650mm*680mm*1870mm	650mm*680mm*2090mm	650mm*680mm*2090mm
Unpacked weight		118kg	118kg	132kg	132kg
Gross weight (outdoor unit)		126kg	126kg	141kg	141kg

*As per the AS/NZS 4234 modelling Standards the modes (Booster, E-Heater) are one-shot functions that will reset to Standard mode.
*Above test results are given based on the test condition ambient 20°C/15°C, Water from 15°C~55°C.
*Sound levels tested at 1 metre in a hemi-anechoic chamber.