

Hot Water Heat Pump

All-In-One Select



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.

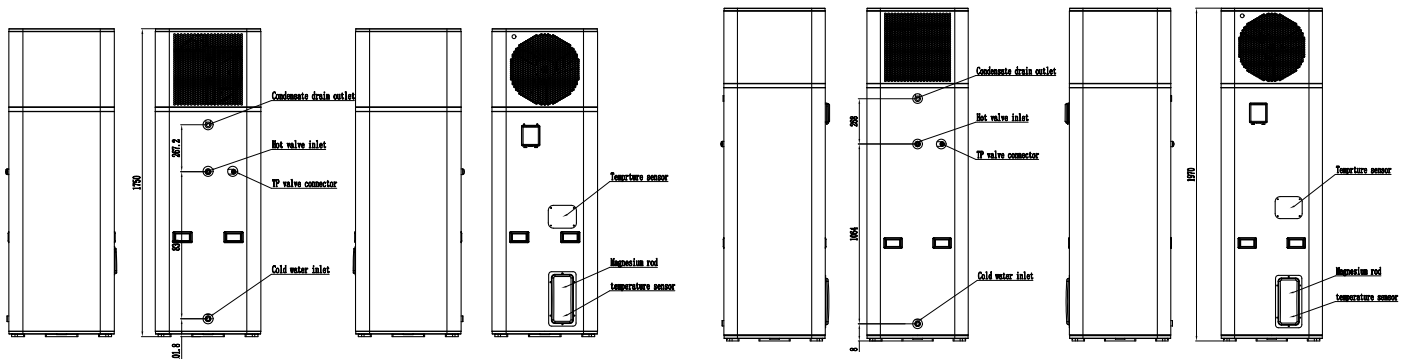
Solar Soaker: Automatically uses surplus solar energy to run the heat pump, delivering free hot water when paired with the Electricity Advisor Wi-Fi pack.

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/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-46°C			
Working range without element		-7°C-46°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.

The information in this brochure is accurate at the time of publication. Please note Emerald App undergoes regular updates to enhance functionality and introduce new features, which may result in changes to the details provided herein.

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