

# Hot Water Heat Pump

## All-In-One Select



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.

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

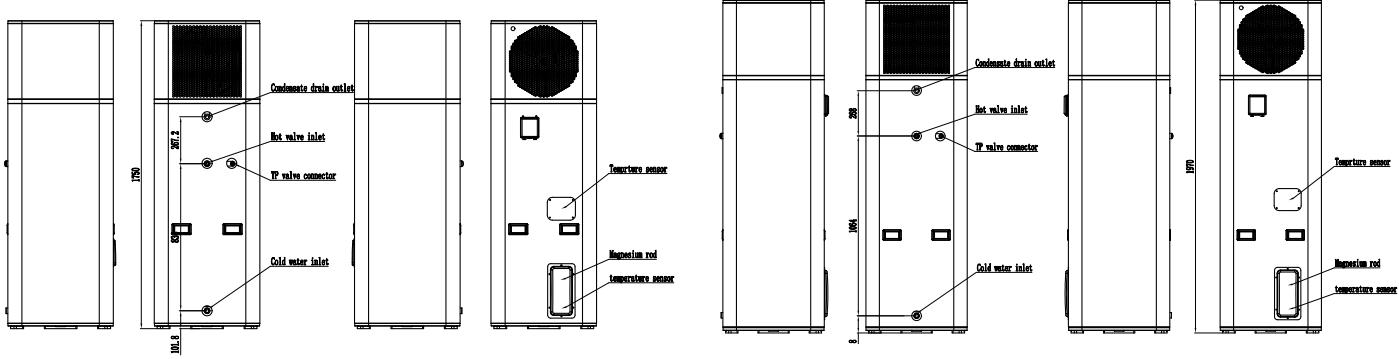
**Built-in Wi-Fi:** Enables convenient smart control for improved efficiency and savings.

**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.



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		
Rated input power		0.68kW	0.68kW	0.63kW		
COP for heat pump		4.19	4.19	4.41		
Recharge rate		58L/h	58L/h	58L/h		
Sound level at 1m		50dB(A)	50dB(A)	50dB(A)		
Heating capacity	Boost mode (Heat pump + Electric heater)	3.8kW	2.8kW	2.8kW		
Rated input power		1.68kW	0.68kW	0.63kW		
COP for heat pump		4.19	4.19	4.41		
Recharge rate		79L/h	58L/h	58L/h		
Heating capacity	E-Heater mode (Electric heater only)	1.0kW	N/A	1.0kW		
Rated input power		1.0kW	N/A	1.0kW		
COP for heat pump		N/A	N/A	N/A		
Recharge rate		21L/h	N/A	21L/h		
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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