Product data sheet

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.

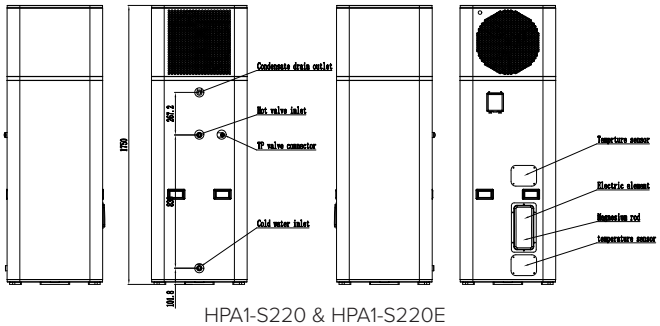
Solar Soaker: Automatically uses surplus solar energy to run the heat pump, delivering free hot water when paired with the Electricity Advisor Wi-Fi pack.

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

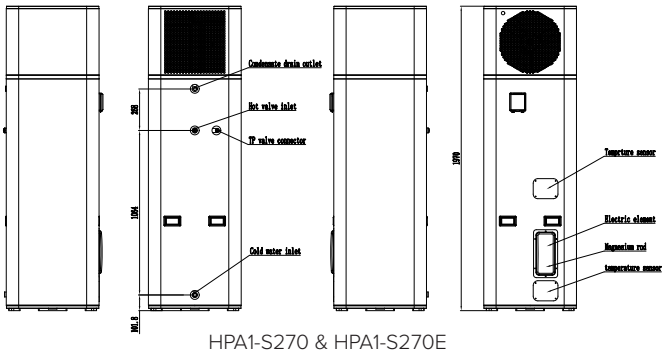
Generous government rebates: Leading energy-efficient technology for maximum rebates from schemes including VEU, ESS, REPS and CER.

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.

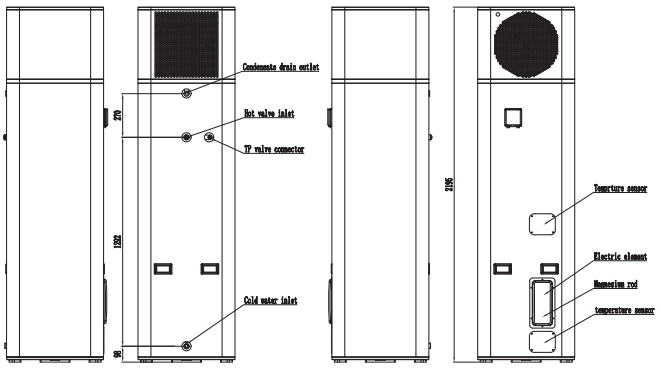
Ideal for residential use, it delivers peak performance across a range of conditions. A built-in electric heater is also available to boost hot water supply when needed. Easily connect to Emerald App via Wi-Fi for convenient control using your mobile phone.



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)



HPA1-S320 & HPA1-S320E
(The electric heating element is not included in HPA1-S320)

Specifications

Emerald model (residential)		HPA1-S220	HPA1-S270E	HPA1-S270	HPA1-S320E	HPA1-S320
Power supply						
Water tank volume		220L	270L	270L	320L	320L
Optional running modes		Standard / Boost	Standard / Boost / E-Heater	Standard / Boost	Standard / Boost / E-Heater	Standard / Boost
Electric heating element		N/A	1kW	N/A	1kW	N/A
Heating capacity	Standard mode (Heat pump only)	2.8kW	2.8kW	2.8kW	2.8kW	2.8kW
Rated input power		0.68kW	0.63kW	0.63kW	0.63kW	0.63kW
COP for heat pump		4.19	4.41	4.41	4.41	4.41
Recharge rate		58L/h	58L/h	58L/h	58L/h	58L/h
Sound level at 1m		50dB(A)	50dB(A)	50dB(A)	50dB(A)	50dB(A)
Heating capacity	Boost mode (Heat pump + Electric heater)	2.8kW	3.8kW	2.8kW	3.8kW	2.8kW
Rated input power		0.68kW	1.63kW	0.63kW	1.63kW	0.63kW
COP for heat pump		4.19	4.41	4.41	4.41	4.41
Recharge rate		58L/h	79L/h	58L/h	79L/h	58L/h
Heating capacity	E-Heater mode (Electric heater only)	N/A	1.0kW	N/A	1.0kW	N/A
Rated input power		N/A	1.0kW	N/A	1.0kW	N/A
COP for heat pump		N/A	N/A	N/A	N/A	N/A
Recharge rate		N/A	21L/h	N/A	21L/h	N/A
Max current (under boost mode)		4.7A	8.7A	4.5A	8.7A	4.5A
Refrigerant		R290 (350g)	R290 (450g)		R290 (500g)	
Compressor						
Fan motor						
Inner tank						
Inner tank diameter						
Tank insulation						
Inner tank design						
Fan type						
Expansion valve						
Defrost						
Emerald APP						
TPR valve						
Default set point						
Max outlet water temperature (heat pump)						
Working range with element						
Working range without element						
IP class						
Electric shock proof class						
Unpacked dimension		600×600×1750mm	600×600×1970mm		600×600×2195mm	
Packed dimension		650×680×1870mm	650×680×2090mm		650×680×2344mm	
Unpacked weight		129.5kg	143.5kg		158.5kg	
Gross weight		146kg	159.5kg		172.5kg	

*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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