







270L EMERALD ALL IN ONE



FEATURES

-  **R290:** With a low GWP of 3 and excellent thermodynamic properties, R290 delivers superior performance and better efficiency.
-  **Built-in Wi-Fi:** Customers will benefit from convenient smart control for increased savings.
-  **Emerald Network:** Monitor all your heat pump installs remotely in real time.
-  **Solar Soaker:** Use surplus solar to operate the heat pump and generate free hot water 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.

2 years labour warranty and
5 years product warranty

SPECIFICATIONS

EMERALD MODEL (RESIDENTIAL)	HPA1-S220E	HPA1-S220	HPA1-S270E	HPA1-S270
Power supply	2220V~240V/50HZ/1Phase			
Water tank volume	220L	220L	270L	270L
Optional running modes	Standard / Boost / E-Heater			
Electric heating element	1kW	N/A	1kW	N/A
Heating capacity	2.8kW	2.8kW	2.8kW	2.8kW
Rated input power	0.68kW	0.68kW	0.63kW	0.63kW
COP	4.19	4.19	4.41	4.41
Recharge rate	58L/h	58L/h	58L/h	58L/h
Noise level	50dBA	50dBA	50dBA	50dBA
Heating capacity	3.8kW	2.8kW	3.8kW	2.8kW
Rated input power	1.68kW	0.68kW	1.63kW	0.63kW
COP	4.19	4.19	4.41	4.41
Recharge rate	80L/h	58L/h	80L/h	58L/h
Noise level	50dBA	50dBA	50dBA	50dBA

SPECIFICATIONS

EMERALD MODEL (RESIDENTIAL)	HPA1-S220E	HPA1-S220	HPA1-S270E	HPA1-S270
Heating capacity	1.0kW	N/A	1.0kW	N/A
Rated input power	1.0kW	N/A	1.0kW	N/A
COP	N/A	N/A	N/A	N/A
Recharge rate	21.6L/h	N/A	21.6L/h	N/A
Noise level	0dBA	N/A	0dBA	N/A
Max current (under boost mode)	8.7A	4.4A	8.8A	4.4A
Refrigerant	R290 (350g)		R290 (450g)	
Compressor	GMCC (Toshiba JV) / Non-Inverter/ Rotary	GMCC (Toshiba JV) / Non-Inverter/ Rotary	GMCC (Toshiba JV) / Non-Inverter/ Rotary	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	I			
Unpacked dimension	600mm*600mm*1598mm	600mm*600mm*1598mm	600mm*600mm*1820mm	600mm*600mm*1820mm
Packed dimension (outdoor unit)	640mm*680mm*1720mm	640mm*680mm*1720mm	640mm*680mm*1940mm	640mm*680mm*1940mm
Unpacked weight	118kg	118kg	132kg	132kg
Gross weight (outdoor unit)	126kg	126kg	141kg	141kg

