HEAT PUMP & CONTROLLER V1.1 & V2.0 SPECIFICATIONS

5 YEAR CONTROLLER WARRANTY

AUSTRALIAN MADE TECHNOLOGY

RECLAIM ENERGY

HEAT PUMP & CONTROLLER SPECIFICATIONS

HEAT PUMP		MODEL **EHPE-4550P-A**
Heat output at 32.6°C ambient / 21.1°C cold water inlet	kW	5.24
Electric input at 32.6°C ambient / 21.1°C cold water inlet	kW	0.87
COP at 32.6°C ambient / 21.1°C cold water inlet	–	6.02
Power input (MAX)	kW	2.5
Current input (MAX)	A	11
Circuit breaker size	A	15
Standby power consumption	kW	0.0019
Power supply	V/Hz	230-240V/50Hz (single phase)
Heat pump refrigerant	–	CO2 (R744)
Heat pump hot water delivery temperature	°C	63
Range of operating ambient temperature	°C	-10 to 43
Heat pump unit weight	kg	48
Heat pump location	–	outdoor
Noise level	dB	37
Dimensions (H x W x D)	mm	675 x 825 x 300
Rain resistance	–	IPX4
Water port connections (Inlet / Outlet)	Inch/mm	1/2" BSP, 12.7mm
Built-in freeze and frost control	°C	Variable. Depends on the relative humidity, water, & ambient temperature (i.e. about 2°C water temperature & 5°C ambient temperature)

SMART CONTROLLER V1.1		
Controller power supply voltage and frequency	V/Hz	240/50 (single phase)
Signal from the controller to heat pump	V/Hz	12/50
Controller location	–	Mounted on wall or tank
Heat pump on / off temperature (based on the thermistor on the tank)	°C	37/59
Daily Self-Legionella control	–	60°C at 45% level on tank
IP Rating	–	IP54
UV Rated	–	Yes
Operational mode (selectable by the end user) Option 1: **24 hours – Continuous** Option 2: **9 hours (Off-Peak mode 1: 10pm – 7am)** Option 3: **6 hours (Off-Peak mode 2: 12am – 6am)** Option 4: **6 hours (10am – 4pm)** Option 5: **Timer (Two-Zones)** Option 6: **Remote (One Shot Boost)***		6 available options * One Shot Boost is activated by a dry contact signal from home management or PV inverters or dry contact smart switches NOTE **One Shot Boost:** this activates the heat pump if temperature is less than 59°C, heating up until 59°C is sensor level is achieved.

Note: Images of heat pump and controller are not to scale and are for illustrative purposes only.

SMART Wi-Fi CONTROLLER v2.0

SMART Wi-Fi CONTROLLER V2.0

Controller power supply voltage and frequency	V/Hz	240/50 (single phase)
Signal from the controller to heat pump	V/Hz	-7 to +12 (common mode)
Controller location	–	Mounted on wall or tank
Heat pump on / off temperature (based on the thermistor on the tank)	°C	37/59
Daily Self-Legionella control	–	60°C at 45% level on tank
IP Rating	–	IP54
UV Rated	–	Yes
Operational mode (selectable by the end user) Option 1: **24 hours – Continuous** Option 2: **9 hours (Off-Peak mode 1: 10pm – 7am)** Option 3: **6 hours (Off-Peak mode 2: 12am – 6am)** Option 4: **6 hours (10am – 4pm)** Option 5: **Timer (Two-Zones)** Option 6: **Timer (Two-Zones) & Multiple Temperature Control** Option 7: **Remote (One Shot Boost)***		7 available options * One Shot Boost is activated by a dry contact signal from home management or PV inverters or dry contact smart switches NOTE **One Shot Boost:** this activates the heat pump if temperature is less than 59°C, heating up until 59°C is sensor level is achieved.

Why Reclaim Energy?

At Reclaim Energy, we believe in the goal of a sustainable lifestyle and the potential for living off-grid. With over 15 year's experience, we are passionate about the potential of energy efficient and environmentally-friendly hot water solutions, tailored to Australian requirements.

Through our commitment to product innovation and next generation technology, we truly believe we have designed a hot water system that is one of the most energy efficient and flexible solutions available in Australia today.

Our people are here for you.

We have high quality resellers all around Australia, so talk to one of our specialists and start saving today.

YOUR RECLAIM ENERGY DEALER

WaterMark

CERTIFICATIONS: The product has been certified/tested successfully under the following Australian standards: • AS 5125.1, AS 4020 • AS 3498 • AS 2712 • AS 60335.1 • AS 60335.2.40

1300 383 815
HELLO@RECLAIMENERGY.COM.AU
RECLAIMENERGY.COM.AU

facebook.com/CO2HeatPump
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