EARTHWORKER ENERGY
CO_2 HEAT PUMP WATER SYSTEMS

HUGE SAVINGS! SLASH YOUR POWER BILLS

FULL 15 YEAR TANK WARRANTY*

10 YEAR HEAT PUMP WARRANTY^

Available in two colours:
MERINO - 10% RECYCLED
GREY -100% RECYCLED

High performance Reclaim & Panasonic Heat Pumps with High Quality Australian Made Stainless Steel Storage Tanks

KEY FEATURES

- 80% less energy used vs electric hot water = big power bill savings
- Whisper quiet operation = 37dB
- CO_2 refrigerant = climate friendly & high performing
- Recycled polymer tank case provides extra insulation and durability
- Ultra Efficient water heating, COP>6
- Marine-grade stainless steel tank for long life
- ValveCosy PTR insulator included
- Controller allows house-hold control over energy costs and consumption
- Operates in all climates: -10°C to 43°C

THE ULTIMATE IN ENERGY EFFICIENT HOT WATER HEATING

Earthworker Energy heat pump systems combine high performance Reclaim Energy & Panasonic CO_2 heat pumps with our top-quality Australian-made storage tanks.

With marine-grade stainless steel, our Gippsland-made tanks are rust-resistant, long-lasting and low-maintenance.

Each tank has a unique recycled polymer outer-casing, which adds a second layer of insulation: providing outstanding thermal efficiency and durability.

GET OFF GAS
OR UPGRADE YOUR OLD ELECTRIC WATER HEATER

REBATES AVAILABLE FOR HOMES & BUSINESS

www.earthworkerenergy.coop

CLEVER CONTROLLERS

Wi-Fi Option Available

Take control of your hot water with 2 controller options:

V1.1 Controller. Our standard V1.1 controller allows households to manage energy consumption at the touch of a button – to integrate hot water with Solar PV, off-peak tariffs, or continuous operation. A "One Shot Boost" function ensures you can get hot water anytime.

V2 Wi-Fi Controller*. This advanced extra option allows remote control & monitoring of your heat pump via a smartphone app.

Hot Water System Comparison ANNUAL RUNNING COSTS

EARTHWORKER ENERGY MANUFACTURING COOPERATIVE

Earthworker - Reclaim System | Other System

Average off-peak costs per annum as at June 2024 using 315L p/day (includes installation)

Instant Gas	$290	$1660
Electric	$290	$1280
Heat Pump running on Solar PV	$50	

SAVING $1370 — Replace Gas with Earthworker-Reclaim system RETURN ON INVESTMENT 4 years (ROI 25%pa)

SAVING $980 — Replace Electric with Earthworker-Reclaim system RETURN ON INVESTMENT 5.4 years (ROI 18.5%pa)

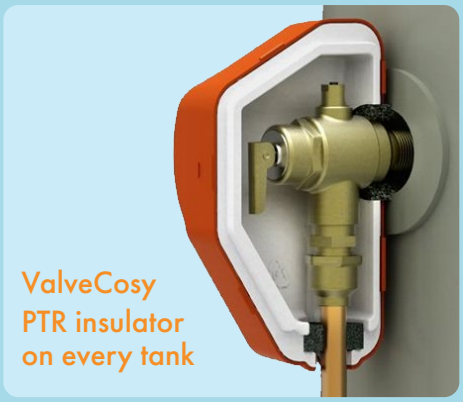
Solar PV with Earthworker-Reclaim system RETURN ON INVESTMENT 3 years (ROI 30%pa)

HEAT PUMP SPECIFICATIONS

Heat Pump Model Name		Reclaim Energy	Panasonic
Heat output at 32.5°C ambient / 21.0°C cold water inlet	kW	5.24	5.06
Electric input at 32.6°C ambient / 21.1°C cold water inlet	kW	0.87	0.83
COP at 32.6°C ambient / 21.1°C cold water inlet	-	6.02	6.09
Power input (MAX)	kW	2.5	2.3
Current input (MAX)	A	11	10
Circuit breaker size	A	20	15
Standby power consumption	kW	0.0019	0.0051
Power supply	V/Hz	230-240V/50Hz [single phase]	230-240V/50Hz [single phase
Heat pump refrigerant	-	CO_2 (R744)	CO_2 (R744)
Heat pump hot water delivery temperature	°C	63	63-67
Range of operating ambient temperature	°C	-10 to 43	-10 to 43
Heat pump unit weight	kg	48	46
Heat pump location	-	outdoor	outdoor
Noise level	dB	37	37
Dimensions (H x W x D)	mm	675 x 825 x 300	672x799x299
Rain resistance	-	IPX4	IPX4
Water port connections (Inlet / Outlet)	inch/mm	1/2" BSP, 12.7mm	1/2" BSP, 12.7mm
Built-in freeze and frost control	°C	Approx 2°C water temperature & 5°C ambient temperature	Approx 5°C water temperature & 5°C ambient temperature
*Controller	-	v1.1 OR v2 Wi-Fi	v1.1
^Heat Pump & Controller Warranty	years	10	7
Heat Pump Model #	-	EHPE-4550P-A	HE-UM60AR

TANK SPECIFICATIONS

Tank Volume (delivery)	L	250	315
System Model #	-	REHP-CO2-250SSEW-v2 /REHP-KY-CO2-250SSEW	REHP-CO2-315SSEW-v2 /REHP-KY-CO2-315SSEW
Dry Weight	kg	62	70
PTR pressure	kPa	700	700
Port connections	Inch/mm	3/4" BSP, 20mm	3/4" BSP, 20mm
Diameter	mm	620	620
Height	mm	1620	1990
Tank location	-	INDOOR OR OUTDOOR, WITHIN 10M OF HEAT PUMP	



ValveCosy PTR insulator on every tank

*Tank Warranties do not apply where water stored in the cylinder exceeds the following levels: Total dissolved solids: 600 mg/litre or p.p.m., Electrical conductivity: 850 uS/cm, Total hardness: 200 mg/litre or p.p.m., Chloride: 250 mg/litre or p.p.m., Magnesium: 10 mg/litre or p.p.m., Sodium: 150mg/litre or p.p.m., pH: Min 6.5 & Max 8.5.

Worker owned Cooperative. Made in Morwell

The Earthworker Energy Manufacturing Cooperative is a worker-run factory in the Latrobe Valley. We're working to build new ways to meet our needs - supporting unionised 'new energy' manufacturing jobs, tackling climate change, democratising workplaces, and helping households reduce their energy bills.

We're a proud part of the broader Earthworker Cooperative project. You can become a member of the Earthworker Cooperative to support our work, access discounts, and help 'take the power back' by switching your electricity provider to Cooperative Power Australia.

www.earthworker.coop

Social Traders CERTIFIED SOCIAL ENTERPRISE

Business for good

Earthworker Energy Manufacturing Cooperative operates on Gunaikurnai Country. Always was, always will be Aboriginal Land.