



RECLAIM
ENERGY

It's time for massive savings off your energy bill, naturally with CO₂ technology



MANAGING
YOUR ENERGY
EFFICIENCY
SIMPLY

Smart hot water is now a reality.

DOLLARS AND SENSE

- Knock a third off your power bills with ultra low energy hot water
- Reclaim Energy heat pumps reduce your energy for water heating by up to 80%
- Only heat pump operation, no electric element
- Super efficient COP of 5

“ Our hot water now costs us less than \$30 a month, winter and summer ”

Grahams, Rotorua, 4 adults

PERFECT HOUSE GUEST

- The quietest system on the market
Average noise level: 37 dB = whisper quiet operation
- Natural CO₂ refrigerant = 1 x Global Warming Potential Zero Ozone Depletion
- Single pass water heating – always heats water to 63°C
- User friendly controls puts power back in your hands!

Naturally
low energy
hot water,
CO₂ technology



Smart hot water is now a reality.

PROVEN PERFORMANCE

- Hot water for five people for a dollar a day, all year round
- Average power use of only 4.5kWh per day for all your hot water
- Suitable for all NZ climate zones - CO₂ refrigerant loves the cold!

SMART FEATURES

- PV-friendly mode maximises your energy generation by running the heat pump at high COP
- Split unit - outdoor compressor | indoor or outdoor hot water cylinder
- Slim line, easy to locate, standard size outdoor compressor
- Continuous hot water - simply set and forget to enjoy continuous, energy efficient, low cost hot water.

RECLAIM ENERGY PERFORMANCE AT DIFFERENT AIR TEMPERATURES*

Outdoor Air Temp	Coefficient of Performance (COP)	Electric Input	Hot Water Temperature
32°C	6.0	0.8	
19°C	4.7	0.8	
1°C	4.3	1.2	63°C
-5°C	2.9	1.6	
-10°C	2.4	1.9	

* Test conditions at range of ambient air temperatures, inlet water at 15°C

SMART CONTROLLER SPECIFICATIONS

- Operation modes (selectable by the house holder)
 - 24 hours - continuous
 - PV-friendly - 10am - 4pm
 - Off peak (night rate) - 11pm - 7am
 - Free timer - 2 periods anytime
 - Remote start for home automation & PV export divert systems
- One press boost button runs the heat pump for instantaneous water heating for up to 6 hours to provide quick hot water delivery, anytime

CO₂ HEAT PUMP SPECIFICATIONS

Power input *	0.916 kW
Thermal output *	4.7 kW
COP *	5.24
Refrigerant	CO2 (R744)
Output water temperature	63° C
Power supply	240V/50 Hz
Circuit (Max)	10.0 Amps
Average Sound Pressure Level	37 dB @ 1m
Ambient temperature operation	-10 to 43°C
Dimension (H x W x D)	675 x 825 x 300 mm
Weight	48 kg
Rain resistance	IP*4
Water port connections (inlet/outlet)	1/2" BSP, 12.7mm
Warranty	Six years

*AS/NZS 5125:2014 – Heat pump water heaters

RECLAIM HOT WATER CYLINDER SPECIFICATIONS

Capacity & Dimensions	300L 610mm x 1780mm
Casing	Sandstone grey, powder-coated zinc alum, outdoor cased
Heat loss & thermal conductance	2.02kWh / 24hr 1.53 W/K
Insulation	66mm polyurethane, zero ozone depletion
Manufactured and Warranty	Auckland 5 years
Electric Element	None - heat pump operation only

Reclaim cylinder is optional, CO2 heat pump can be installed to any standard 300L stainless steel cylinder.

www.reclaimenergy.co.nz
 07 312 3382 | info@reclaimenergy.co.nz