

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

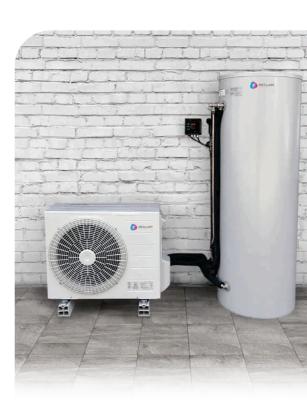
Our hot water now costs us less than \$30 a month, winter and summer

# Naturally low energy hot water, CO<sub>2</sub> technology



### **PERFECT HOUSE GUEST**

- The quietest system on the market Average noise level: 37 dB = whisper quiet operation
- Natural CO<sub>2</sub> refrigerant = 1x 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!



# 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 CO<sub>2</sub> 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	

<sup>\*</sup> Test conditions at range of ambient air temperatures, inlet water at 15°C

www.reclaimenergy.co.nz

#### 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

<sup>\*</sup>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.

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