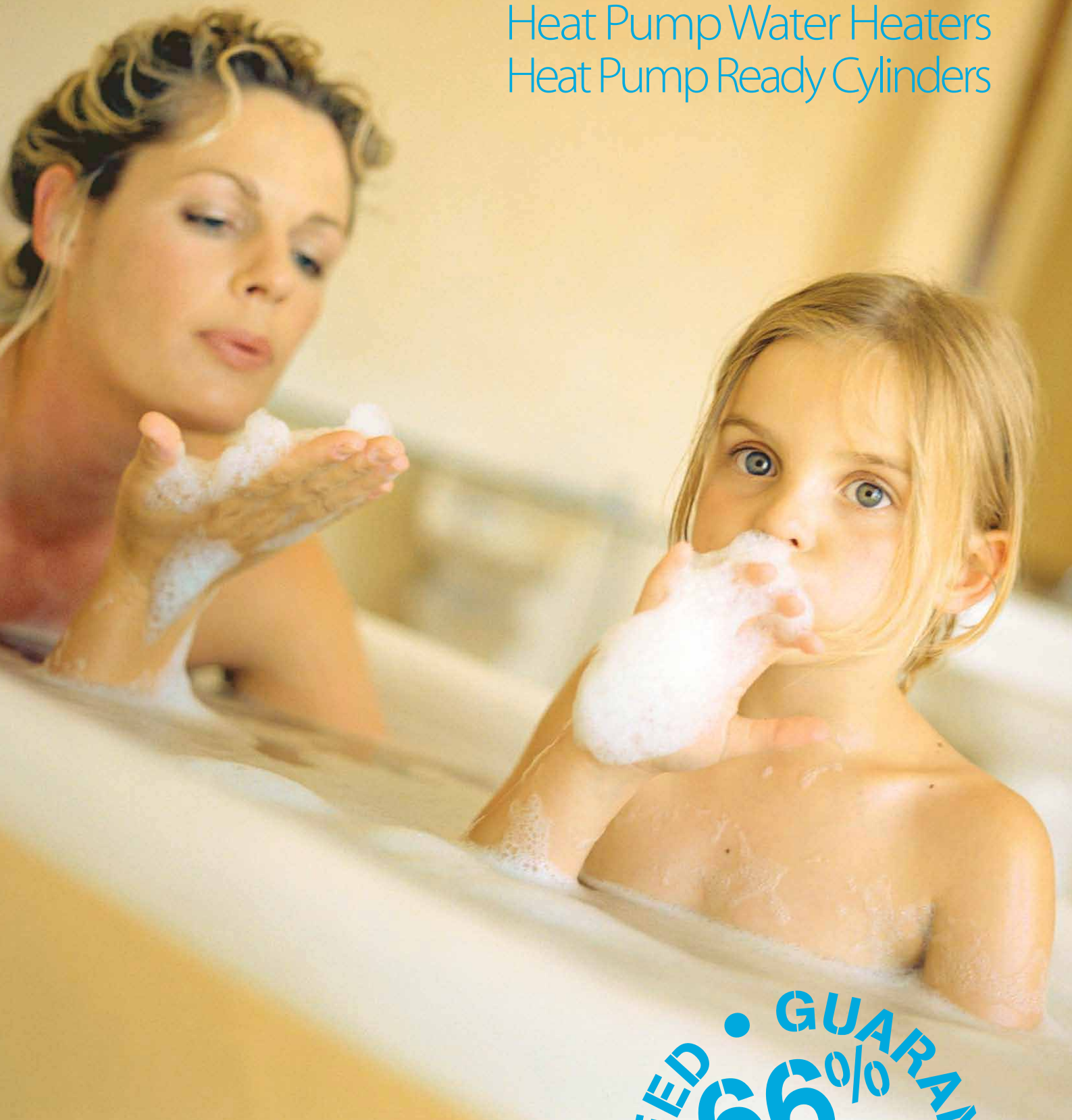


Heat Pump Water Heaters  
Heat Pump Ready Cylinders



**Econergy**<sup>®</sup>  
The smarter way to heat water™

• GUARANTEED •  
**66%**  
MINIMUM  
OFF YOUR HOT  
WATER BILL  
• GUARANTEED •

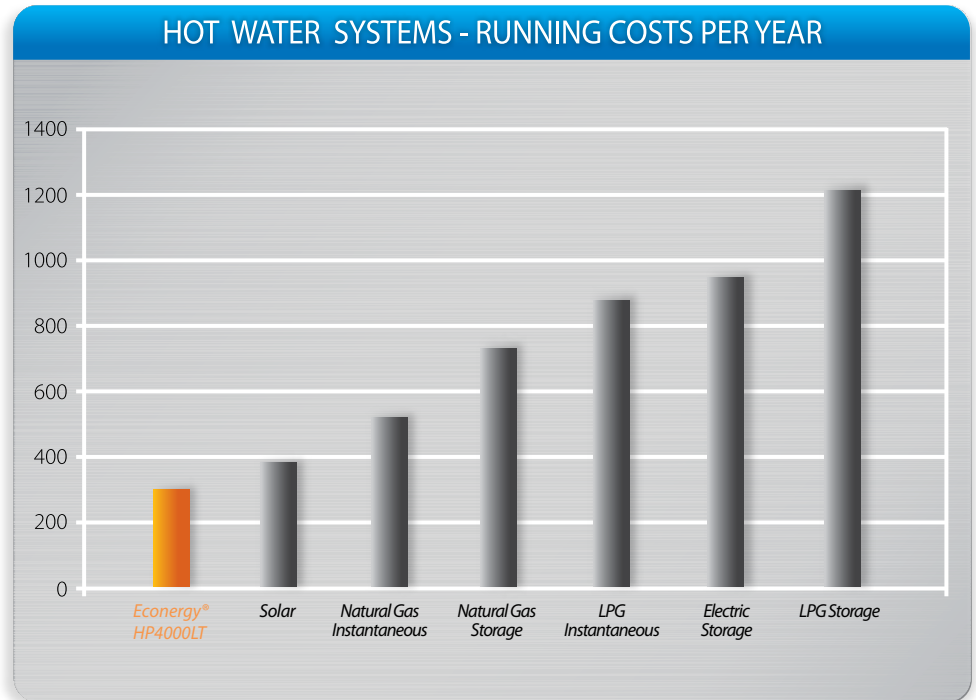
# Why install an Econergy® Heat Pump Water Heater ?

We all like a decent shower or soak in a hot bath...until the power bill arrives. Water heating accounts for around 40% of household energy use... and energy costs continue to rise. Extremely efficient, Econergy® water heaters solve the problem of rising energy costs by transferring up to 75% of the heating energy from the air.\* This is achieved by application of revolutionary patented technology that heats the water in a single pass. Econergy® running costs have been independently shown to be amongst the lowest of any system available.

Econergy®'s top down heating principle together with generous capacity ensure continuity of hot water supply even during periods of high use.

Econergy®'s new range of heat pump optimized storage cylinders ensure high flow rates are achieved. This allows multiple points of use to be run simultaneously off one system.

Perfect for the demands of modern living, find out why Econergy® is becoming New Zealand's favourite water heating system.



\* HP4000LT, 73.8% annual savings compared with electric hot water cylinder, Zone 5, Project Solar AS/NZS 5125/4234

## Split System Design - Maximum Flexibility

Econergy® Heat Pump Water Heaters are designed to cover the range of hot water needs of New Zealand homes. Each unit has a sealed refrigerant circuit, built in circulator and is simply connected to an existing hot water cylinder or Econergy® Heat Pump ready cylinder via insulated water pipes.



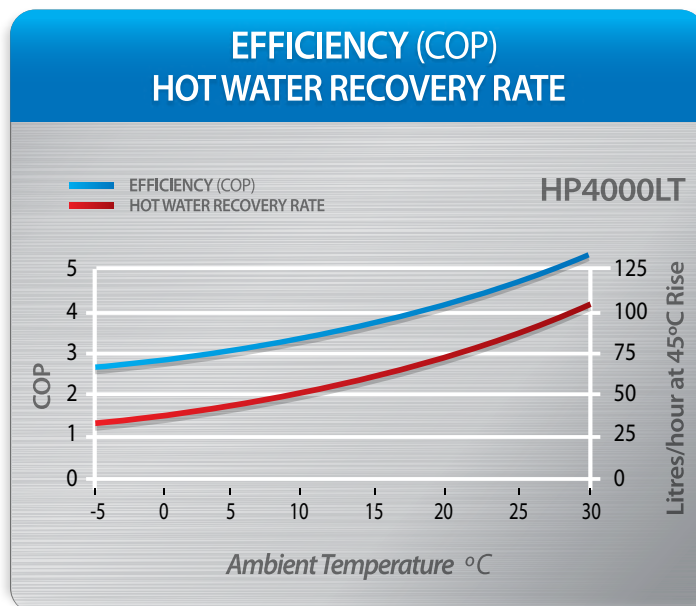
**MINIMUM  
66% OFF  
YOUR  
HOT  
WATER  
BILLS\***

\* HP4000LT, savings guarantee compared with standard electric hot water cylinder. Valid where Econergy installed to specifications listed in installation manual.

# World Class Design and Construction

An intensive research and development effort by a team of New Zealand specialists has resulted in the most efficient heat pump water heater available on the New Zealand market.

- The only heat pump water heater given the tick by Consumer.
- Patented Single Pass technology for maximum durability and savings.
- Epoxy coated evaporator, powder coated Aluminium base, stainless steel fasteners give highest durability in coastal areas.
- Each unit is tested through several heating cycles before leaving our Auckland factory.
- Full heat pump operation (boost element free) right down to -5 °C.



## User Interface and Microprocessor Control



The Econergy® heat pump water heater is intelligently controlled via a microprocessor located in the unit ensuring the most efficient operation under all conditions.

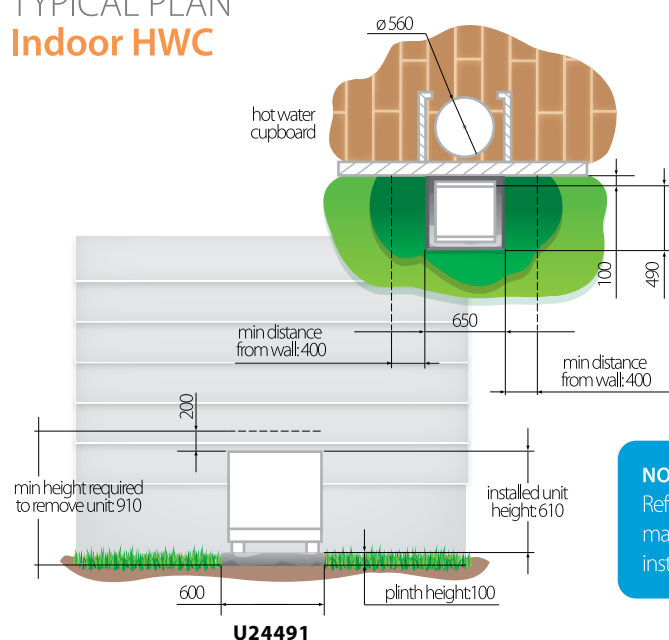
Each Econergy® system is supplied with a simple user interface, with the following features:

- Indicates running status of the heat pump unit.
- Keeps customer informed if the backup element has been energized automatically.
- Allows manual changeover between the heat pump and the electric element.

## Installation Dimensions

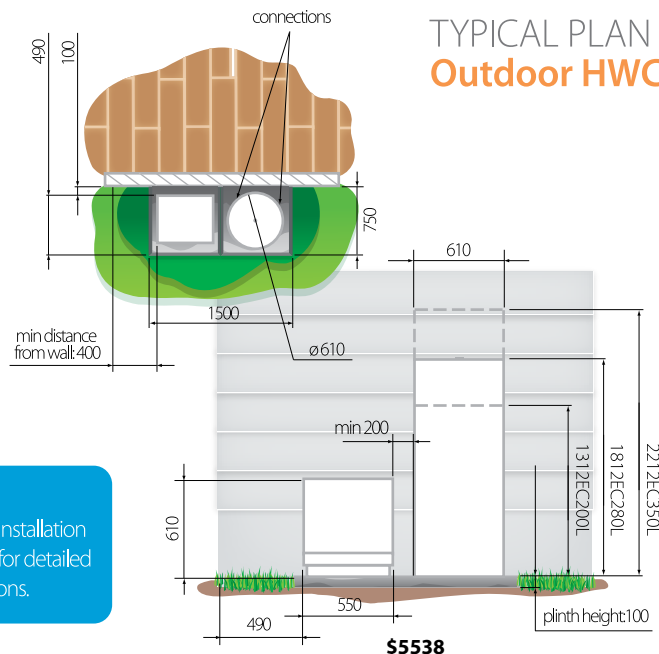
The Econergy® system can be mounted flexibly to suit the house design and layout. The hot water cylinder may be mounted internally or externally. The Econergy® heat pump unit may be mounted external to the building envelope, or if integrated, in the ceiling cavity. Econergy® recommends indoor mounting of hot water cylinders wherever possible to reduce heat losses from the cylinder and allow proximity to point of use. Outdoor hot water cylinders available on request.

### TYPICAL PLAN Indoor HWC



## Flexibility of placement

### TYPICAL PLAN Outdoor HWC



**NOTE:**  
Refer to installation manual for detailed instructions.

# Specifications - Heat Pump Water Heaters



## GENERAL

Model		HP4000 LT
Height	mm	520
Width	mm	490
Depth	mm	550
Weight	Kg	50
Noise Rating	dBa@1.5m	52
Electrical Connection	Amps	10
Refrigerant		R-134a

## PERFORMANCE SPECIFICATIONS\*

		HP4000 LT
Heat Output	W	3500
Rated Input	W	930
Recovery Rate	L/hr	67
Efficiency (C.O.P.)	W/W	3.8
*Rated at EN255 Conditions	(60°C / 15°C / 15°C) 70%RH	

## WATER SUPPLY / CONNECTIONS

		HP4000 LT
Min. Supply Pressure	kPa	50
Max. Supply Pressure	kPa	800
Flow/Return Connections	" / mm	RP 1/2" / 15
Condensate Drain	mm	15

## EXCLUSIVE ECONERGY PERFORMANCE GUARANTEE



Every Econergy water heater is backed with a comprehensive performance guarantee for six years. We guarantee the Econergy will deliver minimum 66% savings compared with a standard electric hot water cylinder

† Guarantee valid where Econergy water heater is installed and certified to latest version of installation manual. Guarantee void where operated outside instructions and specifications or on a hard or corrosive water supply.

# Econergy® Heat Pump Ready Cylinders

Our storage cylinder range is manufactured in New Zealand and designed to deliver the best performance from your Econergy® Heat Pump Water Heater. Cylinders are constructed from **Duplex Stainless Steel for indoor mounting** and meet or exceed NZ Minimum Energy Performance Standards (MEPS) requirements as specified in AS/NZS 4692:2002. Outdoor hot water cylinder available on request. **7 years manufacturer's warranty.**



		EC200L	EC280L	EC350L
Nominal Storage Capacity	L	200	280	350
Inlet & Outlet Connections	inches/mm	RP3/4"/20	RP3/4"/20	RP3/4"/20
TPR & Heat Pump return	inches/mm	RP1/2"/15	RP1/2"/15	RP1/2"/15
Relief Valve Setting	kPa	850	850	850
Working Pressure (max)	kPa	500	500	500
Element rating	kW	3	3	3
Diameter	mm	560	560	560
Height	mm	1310	1810	2210
Weight	kg	55	60	73

\*Specifications are subject to change at anytime



YOUR  
LOCAL  
RESELLER

**Econergy®**

*The smarter way to heat water™*

Ph: **0800 ECONERGY (326 637)**  
W: **www.econergy.co.nz**

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