

# THD3500 Water Heater & Heat Pump Ready Cylinders

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

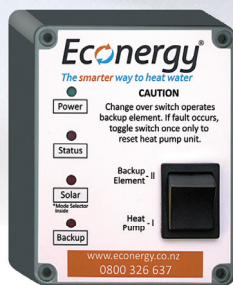


## User interface & microprocessor control

The Econergy® heat pump water heater is intelligently controlled via a microprocessor located in the unit ensuring the most effective performance under all conditions. Additionally, it is designed to work with the new generation of solar panels.

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

- Indicates running status of the heat pump unit
- Allows manual changeover between the heat pump and the electric element
- 'Solar mode' built in



## 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 is easily connected to an existing hot water cylinder or Econergy® heat pump ready cylinder via insulated water pipes and dual interconnect cables.

**UP TO**  
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**SAVINGS**



**CONNECTS**  
**TO NEW &**  
**EXISTING**  
**HOT WATER**  
**CYLINDERS**

\*Pre-pipe pre-wire between heat pump and cylinder, 2 x 15mm plumbing pipes, 1 X CAT5 / CAT6 Cable, 1 x 2.5mm TPS Cable

# Specifications – Heat Pump Water Heaters



## GENERAL

Model	THD3500
Height	590mm
Width	750mm
Depth	300mm
Weight	48kg
Noise Rating	52 / dBa@1.5m
Min. Circuit Breaker Size	16amps
Rated Current RLA	4.0amps
Refrigerant	R-134a



## WATER SUPPLY / CONNECTIONS

	THD3500
Min. Supply Pressure	50kPa
Max. Supply Pressure	1000kPa
Flow/Return Connections	½" or 15mm RP

## PERFORMANCE SPECIFICATIONS

	THD3500
Heat Output	3000W
Rated Input	930W
Recovery Rate	57L/hr
Efficiency (COP)	3.22

## OPTIONAL FEATURES

- Solar Mode
- Low GWP Refrigerant
- Coatings (as applicable)
- Retrofittable

## Econergy® heat pump ready cylinders

Our storage cylinder range is specially designed to connect to your Econergy® water heater. Cylinders are constructed from **stainless steel** for a long and trouble-free lifespan and meet or exceed NZ Minimum Energy Performance Standards (MEPS) requirements as specified in AS/NZS4692:2002. Temperature sensors are built-in. The exterior of the cylinder is weather-proofed so that the cylinders can be sited outdoors or indoors. **10 year manufacturer's warranty.** Larger custom cylinders are available on request.

		EC180L	EC250L	EC300L
Nominal Storage Capacity	L	180	250	300
Inlet & Outlet Connections	inches/mm	RP3/4"/20	RP3/4"/20	RP3/4"/20
Heat Pump Connections	inches/mm	RP3/4"/20	RP3/4"/20	RP3/4"/20
Relief Valve Setting	kPa	1000	1000	1000
Working Pressure (max)	kPa	700	700	700
Element Rating	kW	3	3	3
Diameter	mm	488	580	580
Height	mm	1770	1596	1846
Weight	kg	37.5	51.5	61
Heat Loss p/24 hours*	kw	1.48	1.88	2.25
Sensor Locations		Top/Bottom	Top/Bottom	Top/Bottom



\*MEPS (Minimum Energy Performance Standard) Rated

\*\*Specifications are subject to change at any time

**YOUR LOCAL RESELLER:**

# Econergy®

The *smarter* way to heat water™

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**HOT WATER HEAT PUMPS LTD**  
Advancing Water Heat Pump Technology SINCE 1980

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