



LAZER[®] ECO

TECHNICAL DATA SHEET

Features

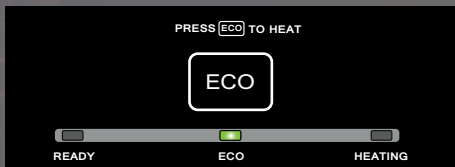
- Eco Mode – Manual select sleep mode
- Capacity – 3, 5 & 7.5 litres available
- Tap – ‘Tomlinson’ style
- Cabinet – Easy clean white finish
- Operation Lights – On, ready & Eco indicator
- Electronic Controller

To ‘wake up’ the unit and/or deactivate eco mode, press and release the ‘ECO’ button.

The ‘ECO’ LED will extinguish and sleep mode will be deactivated. The ‘PRESS ECO TO HEAT’ text will also extinguish if on and the unit will return to the normal operating temperature and auto boil mode. The ‘HEATING’ LED will illuminate if heating is required and the ‘READY’ LED will illuminate when boiling water is available.

Eco Mode

The Lazer Eco model has a manual ‘Eco’ Timer. If activated, after 2 hours without use (from last inlet solenoid valve operation) the unit will go to sleep. When the unit is asleep the **PRESS ECO TO HEAT** will illuminate red.



The ‘Eco mode’ can reduce energy use by up to 40%¹ over a normal working week.

Automatic Boiling Point Calibration

All models have an auto boiling point calibration function. The boiling point of water is 100°C at sea level and reduces as follows:

- 300 - 600 metres 97°C
- 600 - 1200 metres 96°C
- 1200 metres and over 95°C

Once calibrated, the Lazer prevents overshooting the temperature by reducing the power to the element when approaching the set point.

Plumbing Connections

Two plumbing connections are required:

- 1/2" cold water supply
- 1/2" vent

The Lazer inlet cannot be connected to a hot water supply.



Electrical Connections

The 3L, 5L and 7.5L models are supplied with a 10 amp plug and lead.

Internal Tank

The internal tank is made of copper and is fully sealed, with venting through an overflow pipe located under the jacket skirt. A single tank design is utilised which reduces the surface area to volume ratio, thereby reducing heat loss.

Electronic Control

Electronic control provides the logic to monitor and coordinate the functions of the boiling water unit, from its staged filling process, to heating, to maintaining fine temperature control of the water and all timer and service functions.

Heating Element and Thermistor

The heating element and thermistor maintain water at near boiling. Small changes in temperature cause the heating element to energize to the required power, thereby always providing boiling water when it is needed.

Water Level Probe

A stainless steel probe monitors water levels to ensure the heating unit cannot operate unless it is covered by water, and high water levels to ensure the maximum water level is not exceeded.

Electronic Control Solenoid Valve

The solenoid valve controls the flow of water into the unit. Activation depends on the level and temperature of water in the unit.

Insulation

Insulation is of rigid moulded polystyrene foam.

Tap Design

Tap Design has been developed for all models. The Eco model has a stylishly designed tap to give a modern appearance.

Servicing

The Lazer only has two moving parts, the tap and solenoid valve, increasing reliability.

Warranty²

2 years on parts and labour. 5 years on tank.

Lazer Boiling Water Unit		Lazer Eco		
White		70303W-AU	70305W-AU	70307W-AU
Capacity	Litres	3	5	7.5
Delivery - Initial	Litres	3.5	6	8.5
	Cups ³	20	35	50
Recovery ⁴	L/hr	17.5	21	21
Mins to full heat ⁴	Mins	12	15	22
Weight Empty	kg	6	8	9
Weight Full	kg	10	15	19
Electrical Rating 240V 50Hz	kW	1.8	2.4	2.4
	Amps	7.5	10	10
Dimensions	mm			
Height		435	465	515
Width		283	334	334
Depth ⁵		158	191	191

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1. Potential energy consumption savings values are approximate and provided for general reference purposes only. Actual heat loss reductions will vary depending on the system installed, regional temperatures, geographical location and other factors. 2. Conditions apply. For full warranty and details please contact Rheem or see Installation manual. 3. Cup size is 170mL. 4. Recovery based on a 77° rise. 5. Not including tap.

All specifications contained in this data sheet are subject to change without notice. Please check the specifications are current at the time of ordering the appliance.

INSTALL A

