

RHEEM 27 WATER STAR® WATER SAVING CONTINUOUS FLOW



WATER SAVING



GAS



6★
ENERGY
RATING
EQUIVALENT¹

2-6
PEOPLE

27
L/MIN
CAPACITY

10
YEAR
WARRANTY⁴



- REDUCES WATER WASTAGE
- SAVES ENERGY
- HOT WATER TWICE AS FAST



RHEEM 27 WATER STAR WATER SAVING CONTINUOUS FLOW

RHEEM 27 WATER STAR SAVES YOU WATER & ENERGY

WHY RHEEM 27 WATER STAR?

Rheem sets a new standard in Continuous Flow with Rheem 27 Water Star®. A revolutionary design that offers continuous hot water, while almost totally eliminating the water wastage inherent in Continuous Flow water heaters² – and with 6 STAR equivalent energy efficiency¹.

Continuous Flow water heaters waste water when they start. How? They heat water by passing it through a gas-fired heat exchanger which takes time to reach full heat as it starts. Because water starts to flow immediately you turn on the tap, the water that flows through the water heater until it reaches full heat will be below your desired hot temperature, so is probably wasted (particularly if it's for a shower).

Independent tests prove this water waste can be between 1.2 and 2.5L every time the heater starts up. That's up to 17,300 litres per year².



Up to 2.5 litres of water could be saved every time your water heater starts up².

RHEEM 27 WATER STAR BENEFITS

- **6 STAR Equivalent Energy efficiency¹**

The small electric element heating the Rheem Water Star system uses very little energy, in fact less than the gas energy that would normally be wasted.

- **Almost eliminates water wastage of the Continuous Flow heater²**

- **Hot water twice as fast³**

Rheem 27 Water Star delivers hot water twice as fast as a stand-alone 27L Continuous Flow heater.

- **27L/minute continuous hot water capacity**

- **10 Year warranty⁴**

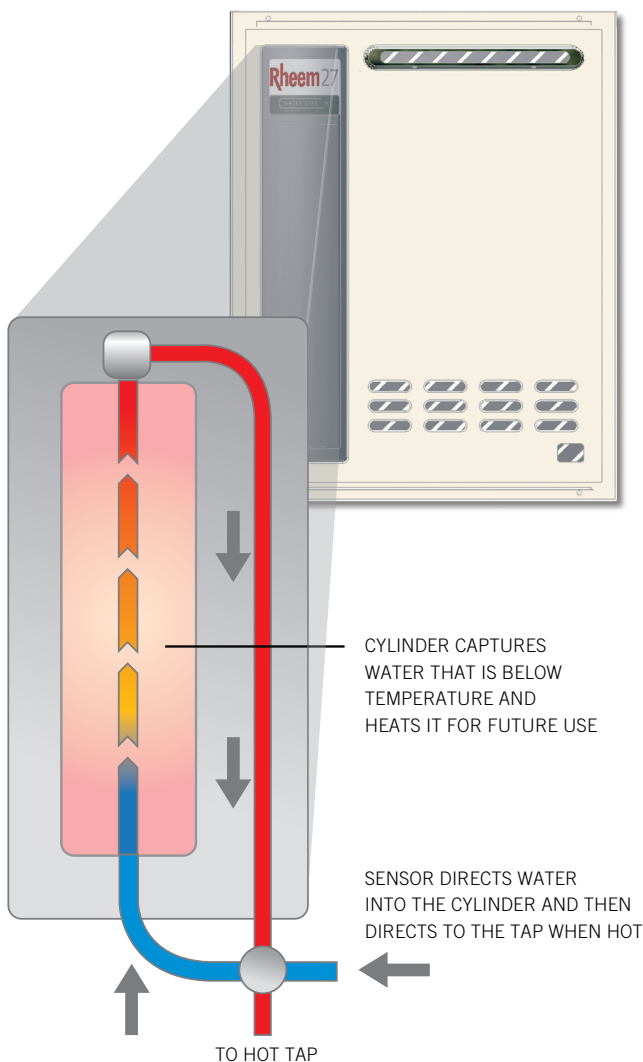
- **Good news for the environment**

In addition to being the equivalent of 6 Star efficient, as Rheem 27 Water Star reduces water wastage, it is better for the environment and it heats only on demand, using less gas.



HOW DOES RHEEM 27 WATER STAR WORK?

Based on the Rheem 27 Continuous Flow water heater, it also includes the Rheem Water Star water saving system; a small cylinder heated by a low power electric element. Hot water kept in this cylinder is released immediately a hot tap is turned on, and the below-temperature water from the Continuous Flow water heater is directed into the cylinder to be heated for later use. A sensor detects when the water from the Continuous Flow is at full temperature, and switches the flow so this hot water goes straight to the tap. It's seamless, and you notice no difference other than faster hot water delivery.



RHEEM WATER STAR FOR EVERY CONTINUOUS FLOW

The benefits of the Rheem Water Star water saving system are also available for any Continuous Flow water heater. Simply fit a Rheem Water Star alongside your existing Continuous Flow water heater.

Rheem Water Star fits quickly and easily to any 60°C Continuous Flow water heater, and offers water and energy saving benefits.

Improves the energy efficiency of Continuous Flow⁶

Almost totally eliminates water wastage of the Continuous Flow

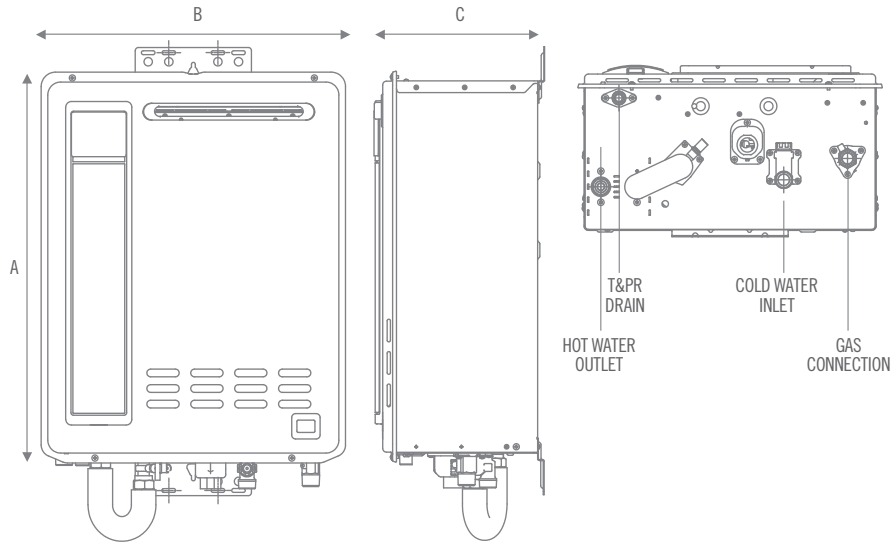
Hot water twice as fast from the Rheem Water Star

5 Year warranty⁵



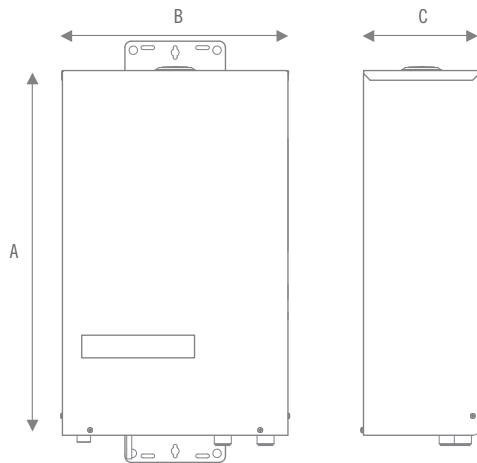
RHEEM 27 WATER STAR PRODUCT DATA

Rheem 27 Water Star	
Model Number	874W27
Maximum Temperature	60°C ⁷
Number of Bathrooms	2.5-3
Gas Type	Natural Gas/Propane
Gas Energy Rating (Stars)	5.8
Flow Rate L/Min at 25°C Rise	27L/min
Minimum Operating Flow Rate	2.0L/min
Nominal Gas Consumption	205 MJ/hr
A - Height mm	603
B - Width mm	472
C - Depth mm	262
Depth from wall to Hot Water Outlet (mm)	77
Depth from wall to Cold Water Inlet (mm)	88
Depth from wall to Gas Inlet (mm)	121
Depth from wall to T&PR Drain (mm)	220
Weight (empty)	29kg
Max. Water Supply Pressure	1000 kPa
Min. Water Supply Pressure	140 kPa
Cold Water Connection	R¾/20
Hot Water Connection	R¾/20
Gas Connection	R¾/20
Accessories	
Pipe Cover	299827
Recess Box	299828



RHEEM WATER STAR PRODUCT DATA

Rheem Water Star	
Model Number	W8100401
Warranty	5 years ⁵
Maximum Temperature	70°C ⁷
Flow Rate L/Min at 25°C Rise	240V AC
A - Height mm	565
B - Width mm	350
C - Depth mm	190
Weight (empty)	12.5kg
Max. Water Supply Pressure	800kPa
Min. Water Supply Pressure	140kPa
Cold Water Connection	R3/4/20
Hot Water Connection	R3/4/20



GLOSSARY OF TERMS

Flow Rate – volume of water a continuous flow water heater delivers at a nominated temperature rise above incoming water temperature, commonly in the range of 10-27 Litres/Minute.

Propane – correct name for Liquefied Petroleum Gas for domestic use, also called LPG. Some areas are supplied with Butane instead of Propane, if unsure contact your gas supplier.

Flamesafe® – a unique Rheem safety protection feature that automatically shuts down the continuous flow water heater should a fault develop.

Q Factor™ – a unique Rheem feature that keeps the heater in readiness so hot water delivery is as fast as possible, and at consistent temperature.

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Materials and product data are subject to change without notice.

1. Annual energy usage as per AS 4552 Energy Rating test (inclusive of electrical energy) of 18,670MJ which when pro-rated against star rating settings for 5 star (20,808MJ) and 6 star (18,785MJ) yields the equivalent of 6 star energy rating.
2. Estimated water saving for a “typical” family based on 19 hot water demands per day with heater cold at each start and daily hot water consumption of 200 litres, as per AS 4552 Energy Rating test.
3. Based on delivery of water within 5°C of set temperature from Rheem 27 Water Star compared to a 5 star 27L/minute Continuous Flow water heater, measured at the outlet after 4 metres of piping.
4. Warranty Rheem 27 Water Star: 10 year parts and 3 years labour on heat exchanger, 3 years parts and labour on other components when installed in a domestic dwelling. For all other installations, the warranty period is 1 year parts and labour on the Heat Exchanger and other components.
5. Warranty Rheem Water Star: 5 year parts and labour on cylinder, 3 year parts and labour on cylinder, 1 year full parts and labour for domestic (non-commercial) installations only.
6. Rheem Water Star when connected to a typical 5 star 26L/minute CFWH, will when measured as a combined appliance, decrease the annual energy usage when tested as per AS4552 Energy Rating test.
7. Some applications may require tempering, refer to AS 3500-4. 60°C and higher temperatures must have a tempering valve installed in accordance with AS 3500-4.

MKT-BR-RD-W-50512