

**THERMANN**  
SPLIT HEAT PUMP



**GOOD FOR  
THE PLANET.  
GREAT FOR  
YOUR WALLET.**



HEAT PUMP



TANK

# THERMANN X SPLIT HEAT PUMP ULTIMATE EFFICIENCY

The Thermann X Split Heat Pump is the newest edition to the E-plus range, offering outstanding performance and reliability. It's good for the planet and great for your wallet.



Good for the planet

It's Thermann's most efficient and eco-friendly heat pump hot water system, with the latest in Japanese heat pump technology.

Not only can you enjoy significant savings in running costs, but the Thermann X Split Heat Pump is also better for the environment, being less reliant on fossil fuels than standard electric storage hot water systems and reducing your overall carbon footprint.



Great for your wallet

## WHAT YOU COULD SAVE

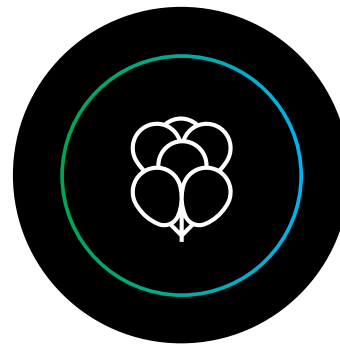
Discover your potential savings with the Thermann X Split Heat Pump



Reduced running cost of up to

**\$966\*** Per year

**\$9,660\*** Over a 10 year period



Reduced carbon footprint of up to

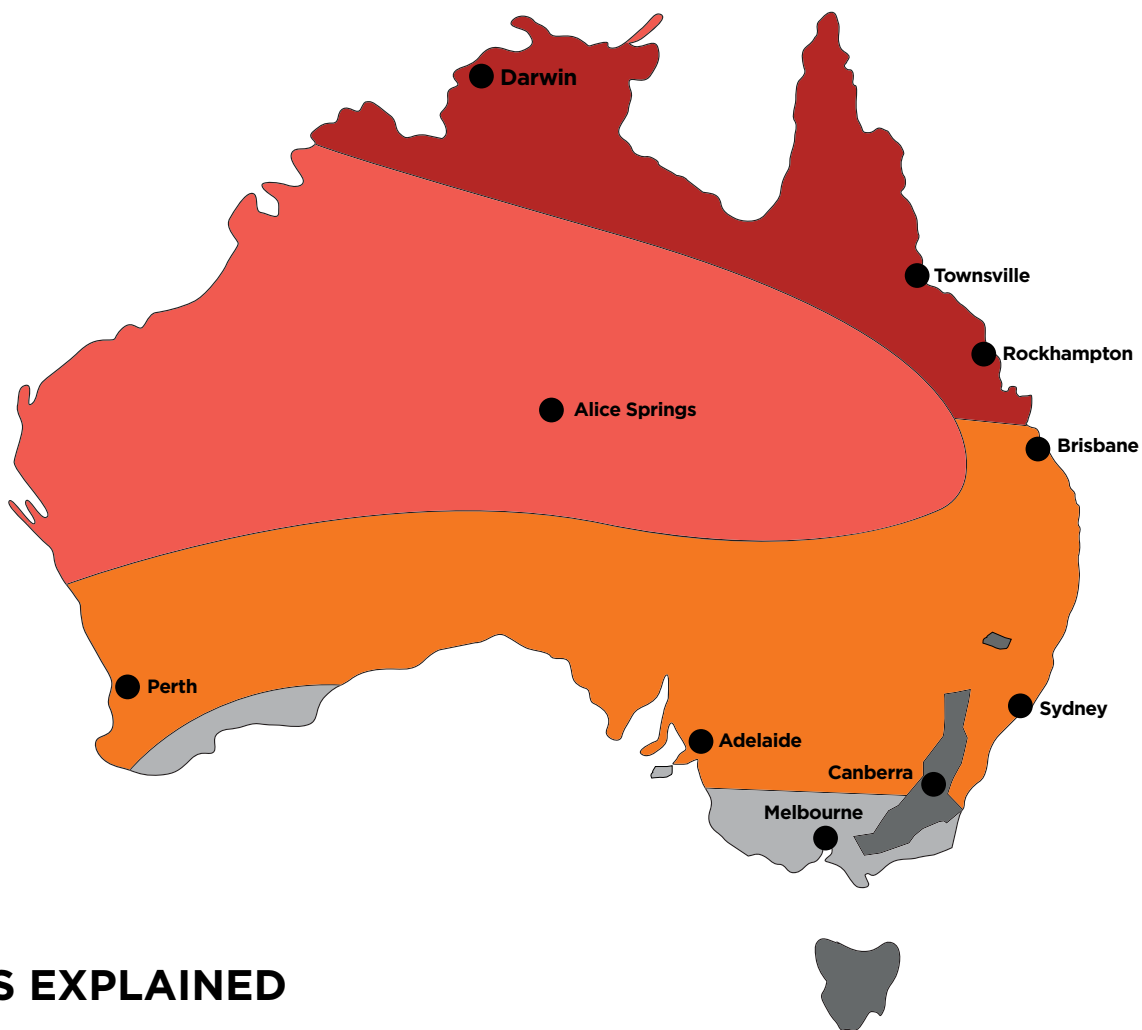
**174 balloons<sup>†</sup>** Per day  
**of CO2**

\* This is a comparative figure that indicates the amount of electricity used to operate the water heater for one year, delivering 200 litres per day of hot water. It is based on testing conducted on the model to the relevant Australian Standard. Data displayed is based on the comparison between the THP45 Thermann X Split Heat Pump 4.5kW, 315L model and 315THMB136 Thermann 315L 3.6kW electric storage model. Cost of electricity is based on an on-peak tariff of 25c/kWh with a daily consumption of 2.257kWh (Heat Pump) and 12.8kWh (Electric storage unit). Heat Pump savings are calculated on a COP of 5.08 (based on 15°C inlet cold water and 20°C ambient temperature). The warranty period for a Thermann X Split Heat Pump is 10 years for the tank, 6 years on the heat exchanger and 2 years on parts and labour.

<sup>†</sup> Carbon footprint measured in kilograms of CO2. The reduction is calculated based on energy usage of 200 litres per day using a national average of gas consumption for a household comparing a standard THP45 Thermann X Split Heat Pump 4.5kW, 315L model and 315THMB136 Thermann 315L 3.6kW electric storage model. Calculations are based on information gathered by the Department of the Environment and Energy. Read National Greenhouse Accounts Factors for details.

# MONEY BACK WITH STATE AND FEDERAL REBATES

The Thermann X Split Heat Pump is registered for Small-scale Technology Certificates (STC) and may be eligible for additional State rebates such as VEECS (Victoria)



## STCS EXPLAINED

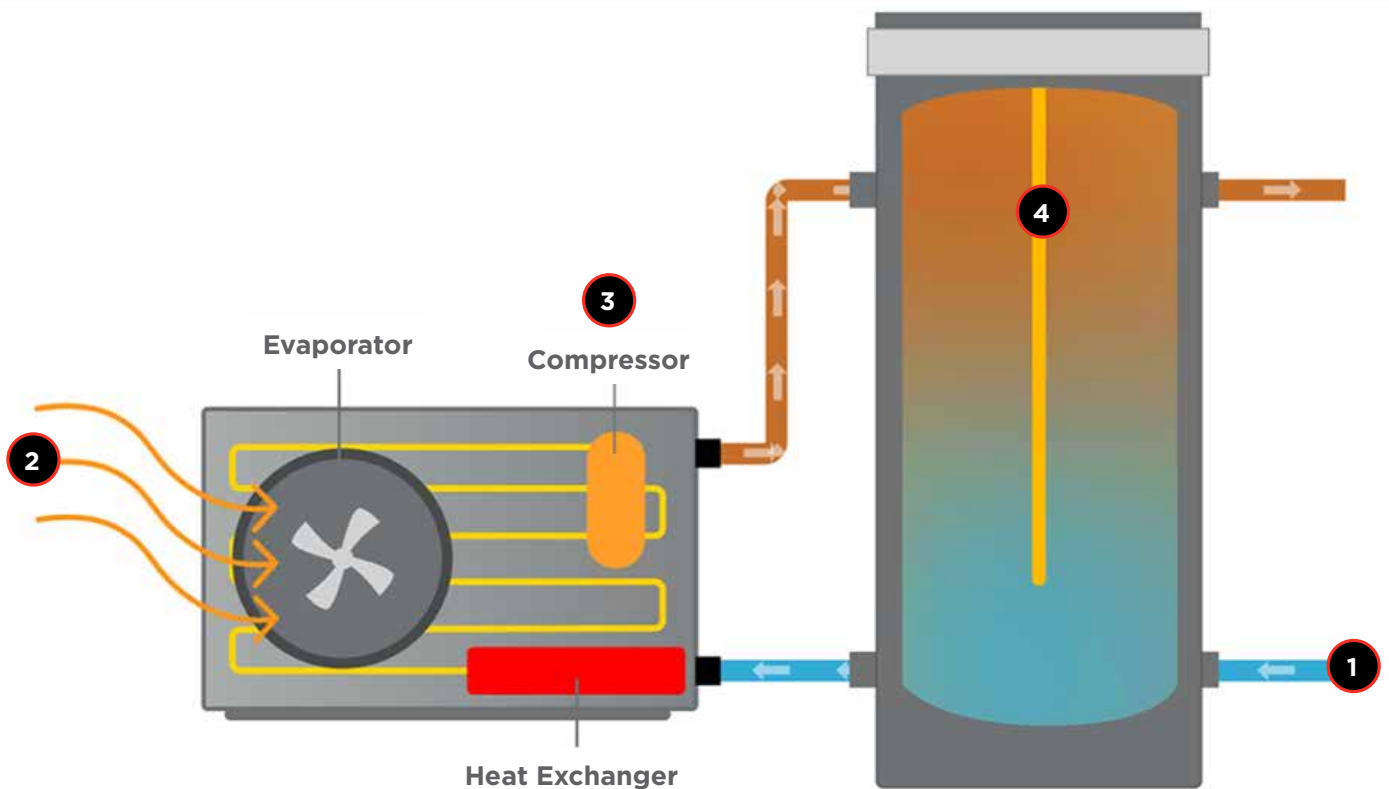
The Small-scale Renewable Energy Scheme creates a financial incentive for individuals and small businesses to install eligible small-scale renewable energy systems including air source heat pumps.

\*Price based on \$37.10 per STC. Rebates are calculated using data produced by [www.green-bank.com.au](http://www.green-bank.com.au). Prices are passed on a 0-3 day payment. Prices are relevant as of 25/03/2022. Information displayed is publicly available. Thermann and/or Reece are in no way responsible for processing rebates.

ZONE	NUMBER OF STC's	APPROX REBATE*
1	23	\$853.30
2	24	\$890.40
3	28	\$1,038.80
4	30	\$1,113.00
5	30	\$1,113.00

# THERMANN X SPLIT HEAT PUMP TURN AIR INTO HOT WATER

- 1 Cold water is drawn from the tank into the heat pump unit.
- 2 A fan draws air through an evaporator, where the air's latent heat is transferred to a natural refrigerant gas.
- 3 The heated gas is circulated around a compressor, increasing the pressure and temperature.
- 4 The hot gas passes through a heat exchanger to heat the cold water, which is then pumped back into the top of the storage tank, ready to use.





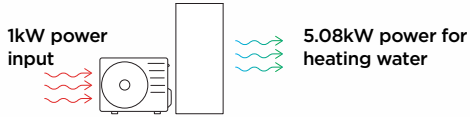
# THERMANN X SPLIT HEAT PUMP COEFFICIENT OF PERFORMANCE (COP)

The Thermann X Split Heat Pump has a COP of 5.08, meaning it's up to 5 times higher than the COP of a standard electric storage tank.

Up to **5x**

**More efficient than a standard electric storage tank.**

The Coefficient of Performance (COP) is a measure used to determine the ratio of heat that is produced to heat the water from the amount of power the system uses. The higher the COP, the more efficient the heat pump is.



\*COP is measure of energy output in kW based on 1kW of input energy using an ambient temperature of 19°C and a cold water input temperature of 15°C. In this case for every kW of input energy results in 5.08kW of output energy.

# THE QUIET ACHIEVER

The Thermann X Split Heat Pump is one of the quietest of its kind, with a rated noise level of 37dB to ensure little disruption for you and your neighbours while enjoying energy-efficient hot water.

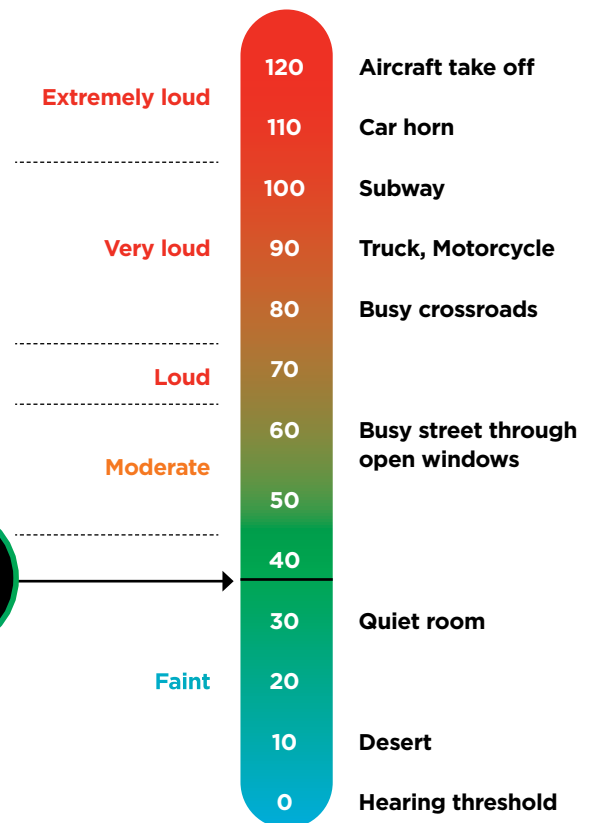
Additionally, the Thermann X Split Heat Pump contains a built-in clock as part of the heating cycle, enabling you to 'block-out' operation during times when noise needs to be at a minimum (for example, overnight).



Day & night mode

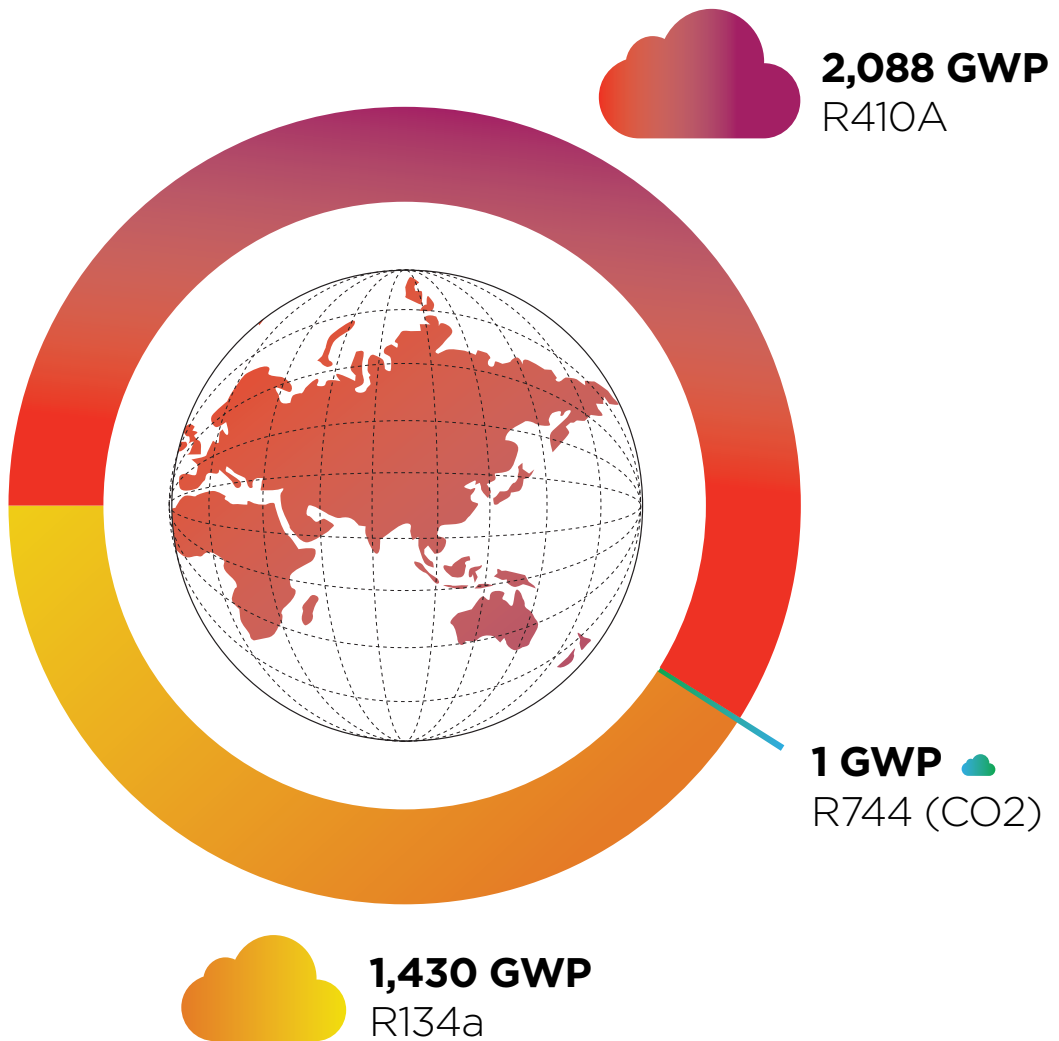


37dB



# HOT WATER FOR ANY ENVIRONMENT

The Thermann X Split Heat Pump uses R744 (CO<sub>2</sub>) refrigerant gas, which has minimal impact on the environment compared to other refrigerant types. R744 has a Global Warming Potential\*\* (GWP) of 1 over 100 years, which is the lowest level of impact on the ozone layer.



\*\*Global warming potential (GWP) is a measure of how much a given mass of greenhouse gas is estimated to contribute to global warming. It is a relative scale which compares the gas in question to that of the same mass of carbon dioxide (whose GWP is by convention equal to 1). A GWP is calculated over a specific time interval and this time interval must be stated whenever a GWP is quoted or else the value is meaningless.



Always use a licensed plumber  
when installing a hot water unit.