THERMANN™

HOT WATER YOU CAN DEPEND ON.

SPLIT HEAT PUMP

LESS RUNNING COSTS.
LESS EMISSIONS.
MORE REASONS TO INSTALL.

MADE IN JAPAN — 6 YEAR QUALITY GUARANTEE — HEAT PUMP

MADE IN AUSTRALIA — 10 YEAR QUALITY GUARANTEE — TANK

THERMANN SPLIT HEAT PUMP
ULTIMATE EFFICIENCY

The Thermann Split Heat Pump offers outstanding performance and reliability.

It's Thermann's most efficient heat pump hot water system. Utilising the latest in Japanese heat pump technology, you can enjoy significant savings in running costs, and be at ease knowing the Thermann Split Heat Pump uses a low Global Warming Potential (GWP) refrigerant.

The Split Heat Pump is perfect for homes with limited space, offering flexible installation options. The tank can be installed inside or out, and the heat pump can be up to 5M vertically, or 15M horizontally, away from the storage tank.

Low GWP Refrigerant

Flexible Installation

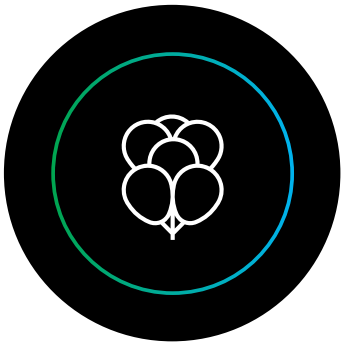
WHAT YOU COULD SAVE

Discover your potential savings with the Thermann Split Heat Pump

Reduced running cost of up to

$1,270* Per year

$12,700* Over a 10 year period



Reduced carbon footprint of up to

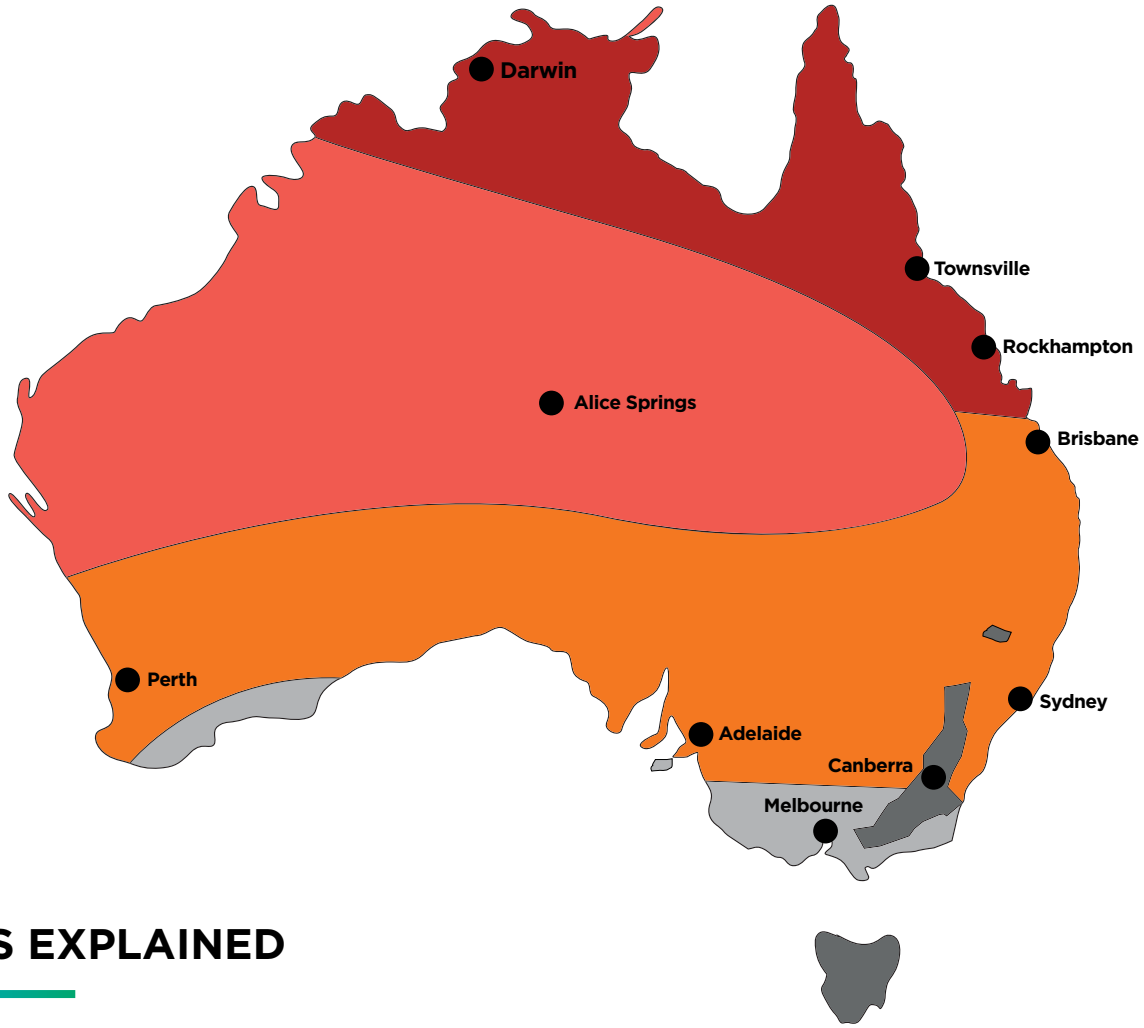
174 balloons† of CO2 Per day

* 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 Split Heat Pump 4.5kW, 315L model and 315THMB136 Thermann 315L 3.6kW electric storage model. Cost of electricity is based on an Australian average tariff (both single rate and controlled load combined) of 33c/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 Split Heat Pump is 10 years for the tank, 6 years on the heat pump and 2 years on parts and labour.

† 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 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 Split Heat Pump is registered for Small-scale Technology Certificates (STC) and may be eligible for additional State rebates such as VEECs (VIC) and ESCs (NSW).



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.

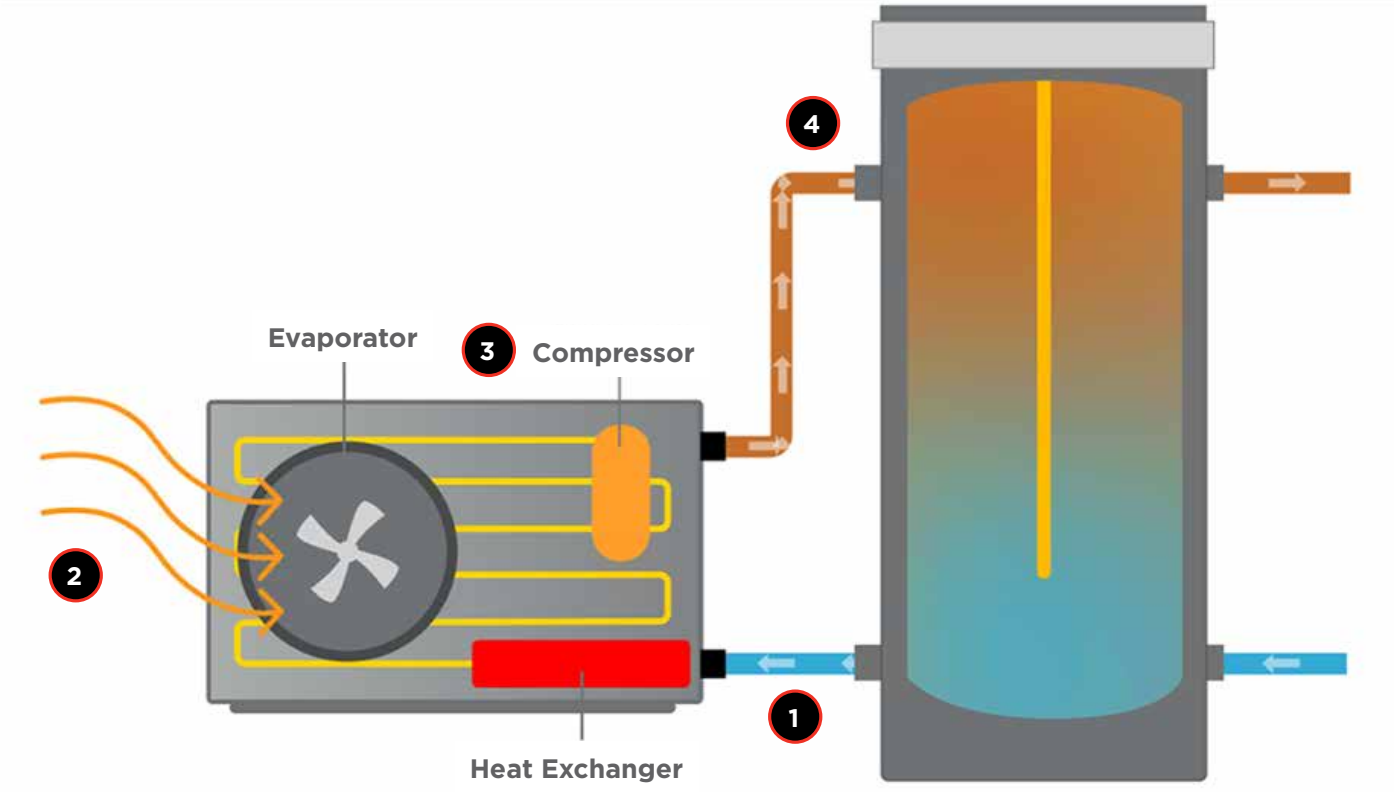
To make our customers lives easier, Thermann has partnered with Greenbank, an industry leader in facilitating green-energy rebates. For further information, visit www.green-bank.com.au/stc/calculate for help calculating and processing your rebates.

*Rebates are calculated using data produced by www.green-bank.com.au. STC's are relevant as of 1/1/2024. Information displayed is publicly available. Thermann and/or Reece are in no way responsible for processing rebates.

NUMBER OF STC's				
ZONE	THP45x160	THP45x250	THP45x315	THP45x315
1	18	18	18	18
2	18	18	18	18
3	22	22	22	21
4	24	23	23	23
5	23	23	23	23

THERMANN SPLIT HEAT PUMP
TURN AIR INTO HOT WATER

1. Cold water is drawn from the tank into the heat pump unit.
2. The fan draws the ambient air through the heat pump evaporator which extracts the heat (thermal energy) from the air.
3. The thermal energy is then transferred to the refrigerant gas causing it to to become extremely hot.
4. This heat is then transferred to the cold water as it circulates through the heat pump before being pumped back into the top of the storage tank, ready for use.



THERMANN SPLIT HEAT PUMP
COEFFICIENT OF PERFORMANCE (COP)

The Thermann Split Heat Pump has a COP of 5.08, which is up to 5 times higher than the COP of 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.

Up to **5x**

More efficient than a standard electric storage tank.

*COP is the measure of energy output in kW based on 1kW of input energy using an ambient temperature of 20°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.

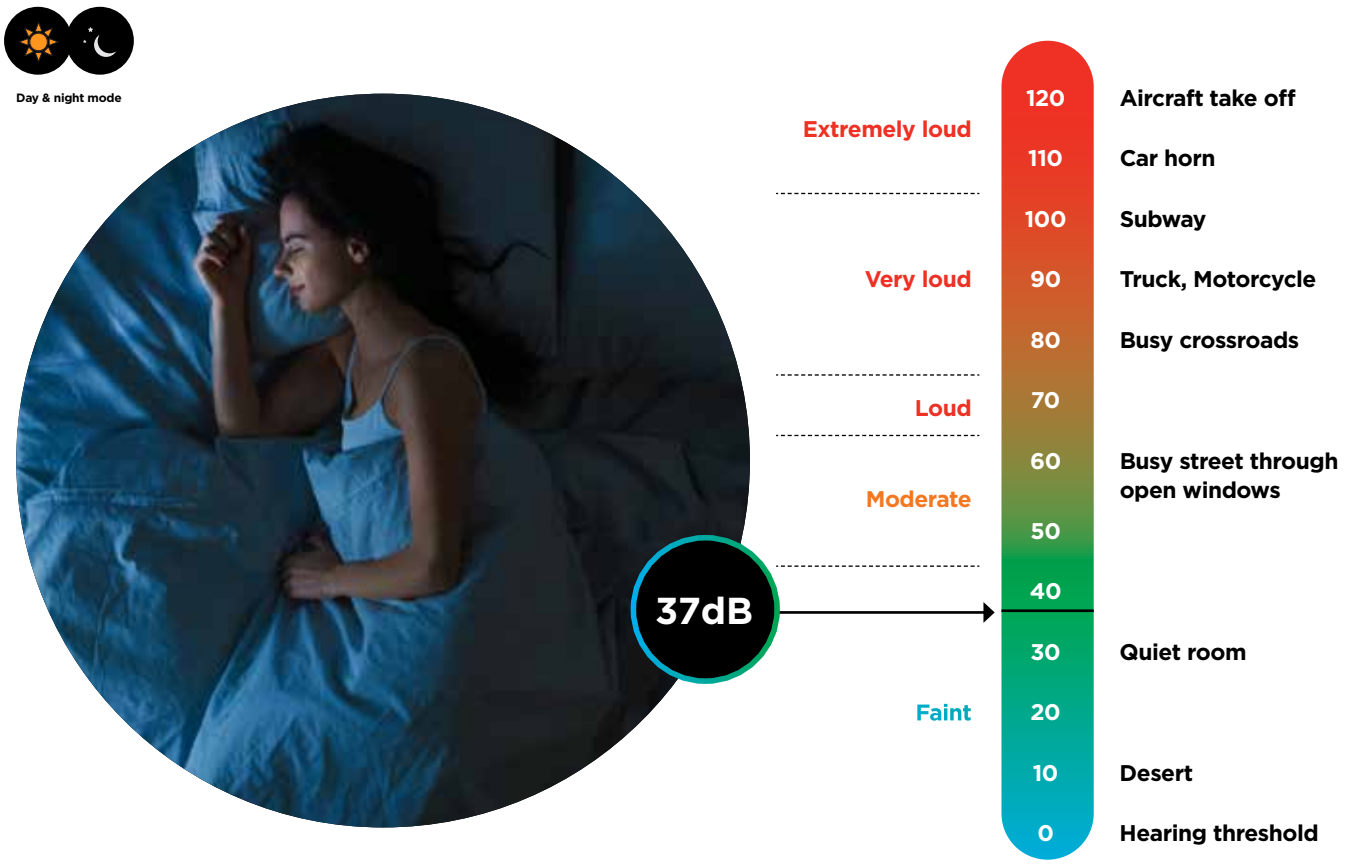
QUIET OPERATION

THE QUIET ACHIEVER

The Thermann 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 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).

This 'block-out' feature can also allow you to only run the heat pump during hours that your solar PV system is generating power, providing further savings.



LOW GWP REFRIGERANT

HOT WATER FOR ANY ENVIRONMENT

The Thermann Split Heat Pump uses R744 (CO2) refrigerant gas, which has less 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.**

2,088 GWP
R410A

1 GWP
R744 (CO2)

1,430 GWP
R134a

**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.

THERMANN™

HOT WATER YOU CAN DEPEND ON.

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