

EcoPlus

hot water heat pump system



SANDEN

Save up to 80% of your hot water energy costs... rain, hail or shine!*



two global brands, one exciting hot water solution

Environmentally advanced
energy efficiency has arrived

EcoPlus

BY SANDEN & RHEEM

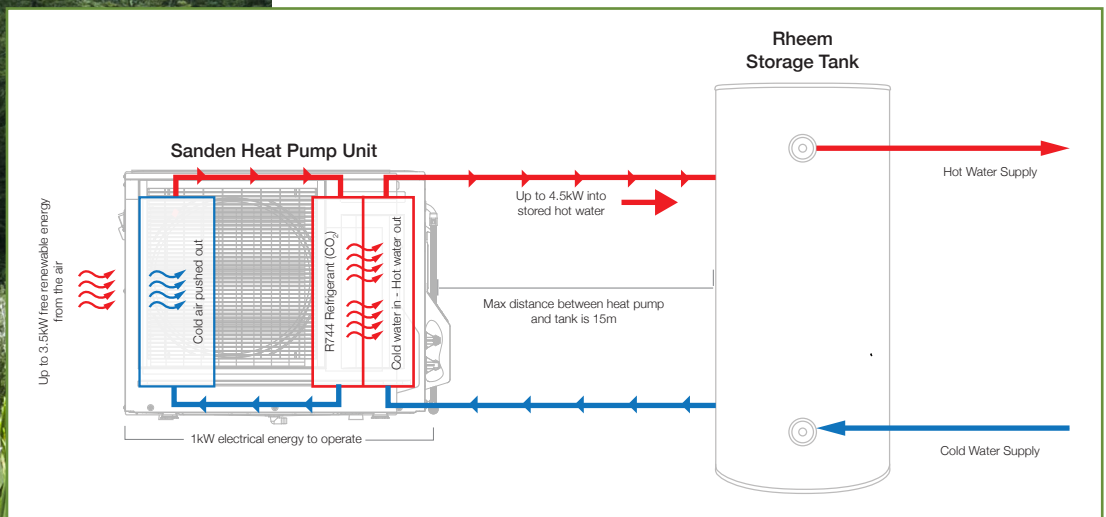
Take a global leader in the field of heating and cooling technology and partner them with a successful brand in water heating and you have a winning combination.

After a successful partnership in Australia, New Zealand homes can now benefit from EcoPlus – an environmentally advanced hot water system from Sanden and Rheem.

how it works

The EcoPlus hot water heat pump system is a highly energy efficient alternative to traditional electric or gas water heaters. It absorbs heat from the outside air to heat water - saving energy, saving money and reducing greenhouse gas emissions.

The EcoPlus hot water heat pump system runs on electricity but requires substantially less power to heat water than conventional hot water systems. The EcoPlus system can save you up to 80%* of your hot water energy costs, year after year.



easy installation

The EcoPlus system uses a smarter split system design where the heat pump unit and stainless steel tank can be installed separately. This allows flexibility of the storage tank location, which can be up to 15 metres distance horizontally or 3 metres vertically from the heat pump unit. Installation of this system must be carried out only by licensed/qualified installation technicians (ie. both plumbing and electrical)

*Based on case study and labtest results. Actual results may vary depending on ambient temperature and hot water usage.

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superior benefits

- Operating range: -10°C to +42°C
- Neighbour friendly whisper quiet operation (37dB)
- Uses ozone friendly R744 refrigerant (also known as carbon dioxide CO₂) which has an extremely low Global Warming Potential** and does not deplete the ozone layer
- No back-up heating element required
- Automatic heating cycle
- Fast heat recovery
- Perfect for off peak power

ultra high efficiency

Heating water is one of the costliest energy users in our homes. The EcoPlus system minimises the energy consumption and maximises the water-heating capacity whilst allowing for faster recovery, resulting in significantly lower operating costs.

Less energy, less impact on the environment, more savings.

1kW energy to run
EcoPlus system generates
approximately **4.5kW**
heat into stored water
~80%* SAVING

Save up to
80%* on your
hot water
energy costs

Industry
leading
quality and
performance

Eco-Friendly
system

Whisper quiet
operation



**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 equal to 1).

product data Model: GAUS-300FQS

TOP VIEW

HEAT PUMP UNIT

FRONT VIEW

SIDE VIEW

All dimensions displayed in millimetres.

| Dimensions | |
|--|--|
| Weight | 48kg |
| Technical | |
| Heat Output (at 19°C ambient / 19°C cold water inlet) | 4.5kW |
| Electric Input (at 19°C ambient / 19°C cold water inlet) | 0.95kW |
| COP (at 19°C ambient / 19°C cold water inlet) | 4.69^ |
| Refrigerant | CO ² (R744) |
| Water Temperature Setting (Nominal) | 63°C |
| Compressor | Scroll, with Inverter Control Technology |
| Electrical Supply | 240V/50Hz/Single Phase |
| Circuit | 20Amps |
| Operating Noise Level (measured 1m from HP unit) | 37dB |
| Ambient Air Operating Temperature | -10°C to +42°C |
| Maximum Operating Water Pressure | 700kPa |
| Water Connections & Settings | |
| Inlet | ½" BSP, 12.7mm |
| Outlet | ½" BSP, 12.7mm |
| Country of Manufacture | Japan |

TOP VIEW

TANK#

#6 years warranty on parts and labour

FRONT VIEW

| Dimensions | |
|---------------------------------------|---------------------------|
| H Height | 1891mm |
| A Hot Water Outlet & TPR Valve | 1693mm |
| C Sensor Port | 1086mm |
| B Cold Water Inlet / Heat Pump Flow | 208mm |
| D Diameter | 580mm |
| Weight | 50kg |
| Storage Capacity | 300L |
| Inner Tank | Stainless Steel |
| Outer Tank | Colourbond |
| Water Connections & Settings | |
| Tank Relief Valve Setting (TPR Valve) | 850kPa |
| Expansion Control Valve Setting (ECV) | 700kPa |
| Maximum Mains Pressure Settings | |
| With ECV | 500kPa |
| Inlet Water Operating Pressure | 500kPa |
| Adjustable Tempering Valve | 1400kPa |
| Hot and Cold Connection | Rp 20 (3/4") Female |
| Watermark Licence No. | WM-022333 |
| Colour | Surfmist & Ironstone Ends |



INSTALL A RHEEM

All specifications in this brochure are subject to change without notice. Please check the specifications are current at the time of ordering or building to incorporate the appliance. All information is current at the time of publication – August 2019.

Warranties: Sanden Heat Pump module (including tank thermistor): 6 years parts and labour, Rheem 300L cylinder: 10 years tank 6 years parts and labour

^ Tested under AS/NZ5125.1:2014 requirements

All warranties will be managed by Rheem NZ Ltd, 475 Rosebank Road, Avondale, Auckland 1026

Water supply quality - please ensure your water quality is within specification, go to www.rheem.co.nz/sanden for more information.



Sanden Dealer/Installer:

For more information or your nearest Dealer/Installer, please call 0800 657 336 or visit www.rheem.co.nz/sanden