

HOT WATER SYSTEMS

THERMANN™

thermann.com.au

HOT WATER YOU CAN DEPEND ON

Precision engineered for efficiency and long life, Thermann is setting new standards for hot water systems in Australia. Packed with innovative features and proven technology, Thermann delivers the ultimate hot water experience everyday. What's more, Thermann is committed to total customer care, so you'll enjoy market-leading warranties and full after sales support for many years to come.



THERMANN™ 26
GAS CONTINUOUS FLOW

Residential Range

| | |
|---------------------------------------|-------|
| ELECTRIC STORAGE SMALL & LARGE | 5-7 |
| SMART ELECTRIC | 8-9 |
| GAS STORAGE | 10 |
| CONTINUOUS FLOW | 11-14 |
| CONTINUOUS FLOW C7 | 16-17 |
| EVACUATED TUBE SOLAR ELECTRIC BOOSTED | 18-19 |
| INTEGRATED HEAT PUMP | 20-21 |
| SPLIT HEAT PUMP | 22-23 |

ELECTRIC STORAGE SMALL
HOT WATER SYSTEM



Thermann small Electric Storage hot water units allow you to install Hot water where space and access is restrictive. With its “V fit” configuration, inlets and outlets are configured for ease of installation. Available in ‘appliance white’ for a more aesthetically pleasing unit.

- 50L boasts a compact 670mm height, promoting its ability to fit into tight cupboards.
- V-Fit plumbing connections provide better access for easier installation
- Available in hard wired or plug in models.

SPECIFICATIONS

Electric Tank

| Measurements (mm) | 25L | 50L |
|-----------------------------|-----------|-----------|
| Total Height (A) | 455 | 670 |
| Total Diameter (B) | 405 | 405 |
| Outlet Height (C) | 275 | 490 |
| Inlet Height (D) | 145 | 145 |
| Electrical Entry (E) | 70 | 70 |
| Element Angle (K) | 55° | 55° |
| Storage Capacity (litres) | 31 | 50 |
| Hot Water Delivery (litres) | 25 | 50 |
| Net Weight Empty (kg) | 17 | 23 |
| Element Size (kW) | 2.4*, 3.6 | 2.4*, 3.6 |
| Relief Valve | | |
| Pressure (kPa) | 1000 | 1000 |
| Max Inlet Pressure | | |
| Without an ECV (kPa) | 800 | 800 |
| With an ECV (kPa) | 650 | 650 |

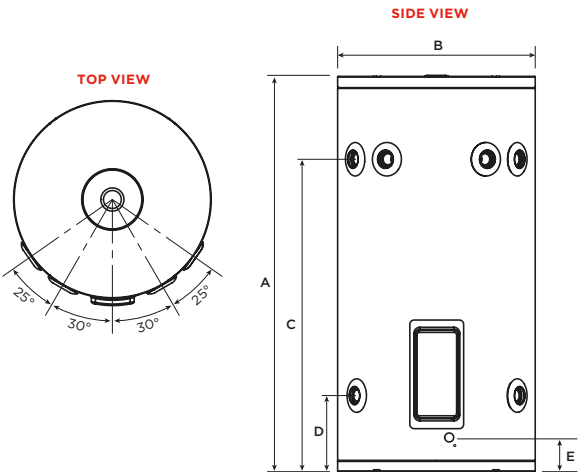
*2.4kW plug in only



Tank Parts and labour

Selecting the right unit for you

| | 25L | 50L |
|-------------------------|-------------|-------------|
| Inlet/Outlet | Dual Handed | Dual Handed |
| No. People (continuous) | - | 1 |
| No. People (off peak) | - | - |



ELECTRIC LARGE HOT WATER SYSTEM



Thermann electric storage hot water units are an insulated storage vessel efficiently storing hot water, ready for use, when you need it. The Thermann range of electric water heaters offer solutions in eight different sizes to suit your needs.

RANGE FEATURES

- Commercial grade enamel and a thicker anode
- Easy installation, with water connections on both sides of tank
- Full flow pressure to all outlets
- Australian made
- A hard-wearing tough polymer base resists damage and is rust proof
- 50mm thick, dense foam insulation for less heat loss and lower running costs
- Can be installed indoors or out

SPECIFICATIONS

Electric Tank

| Measurements (mm) | 80L | 125L | 160L | 250L | 315L | 400L |
|----------------------|------|----------|----------|------|------|------|
| Total Height (A) | 925 | 1090 | 1315 | 1445 | 1765 | 1705 |
| Total Diameter (B) | 490 | 530 | 530 | 620 | 620 | 705 |
| Outlet Height (C) | 735 | 865 | 1095 | 1210 | 1530 | 1445 |
| Inlet Height (D) | 160 | 190 | 190 | 195 | 195 | 220 |
| Electrical Entry (E) | 85 | 100 | 100 | 105 | 105 | 130 |
| Element Angle (K) | 55° | 55° | 55° | 72° | 72° | 72° |
| Storage Capacity | 88 | 130 | 161 | 259 | 321 | 415 |
| Hot Water Delivery | 80 | 125 | 160 | 250 | 315 | 400 |
| Net Weight Empty | 41 | 51 | 59 | 72 | 93 | 115 |
| Element Sizes (kW) | 3.6 | 1.8, 3.6 | 2.4, 3.6 | 3.6 | 3.6 | 3.6 |
| Relief Valve | | | | | | |
| Pressure (kPa) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Max Inlet Pressure | | | | | | |
| Without an ECV (kPa) | 800 | 800 | 800 | 800 | 800 | 800 |
| With an ECV (kPa) | 650 | 650 | 650 | 650 | 650 | 650 |



6

Tank

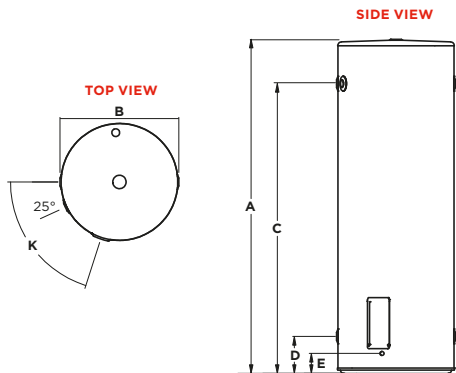


Parts and labour



Selecting the right unit for you

| | 80L | 125L | 160L |
|-------------------------|-------------|-------------|-------------|
| Inlet/Outlet | Dual Handed | Dual Handed | Dual Handed |
| No. People (continuous) | 1-2 | 2-3 | 2-4 |
| No. People (off peak) | - | - | - |
| | 250L | 315L | 400L |
| Inlet/Outlet | Dual Handed | Dual Handed | Dual Handed |
| No. People (continuous) | 3-5 | 4-6 | 5-9 |
| No. People (off peak) | 1-3 | 2-4 | 4-6 |



Thermann twin element electric water heaters Feature a secondary ‘top’ element, to heat an additional capacity of water to reduce the chance of running out. This is often referred to as a ‘boost capacity’, and can be continually heated as hot water is used.

TWIN ELEMENT FEATURES

- Cost effective – primary heating with off-peak and a continuous backup supply
- Flexible – ideal for varying hot water loads
- Limited tariffs – perfect for regions where extended off-peak tariffs are unavailable
- Space efficient – for when there’s no room for a larger tank
- Fast hot water – the boost capacity can be heated (and reheated) quickly

SPECIFICATIONS

Electric Tank - Twin Element

| Measurements (mm) | 250L | 315L | 400L |
|-------------------------------|-----------|------------------------|-----------|
| Total Height (A) | 1445 | 1765 | 1705 |
| Total Diameter (B) | 620 | 620 | 705 |
| Cold Water Inlet (C) | 195 | 195 | 220 |
| Hot Water Inlet (D) | 1210 | 1530 | 1445 |
| Electricity Entry (E) | 105 | 105 | 130 |
| Storage Capacity (L) | 259 | 321 | 415 |
| Hot Water Delivery Rating (L) | 250 | 315 | 400 |
| Boost Capacity (L) | 50 | 50 | 80 |
| Net Weight Empty (kg) | 72 | 93 | 115 |
| Element Sizes (kW) | 2 x 3.6kW | 2 x 3.6kW 2 x 4.8kW | 2 x 4.8kW |
| Relief Valve | | | |
| Pressure (kPa) | 1000 | 1000 | 1000 |
| Max Inlet Pressure | | | |
| Without an ECV (kPa) | 800 | 800 | 800 |
| With an ECV (kPa) | 650 | 650 | 650 |

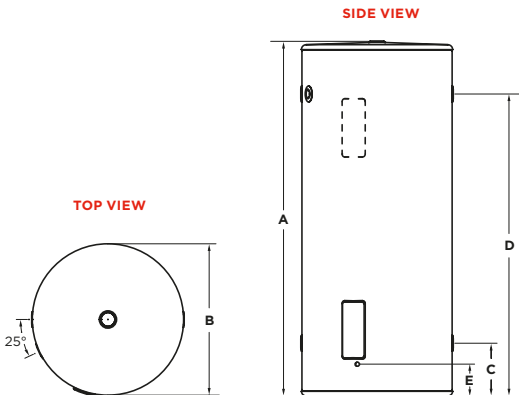
All Thermann residential electric storage water heaters are dual-handed for ease of installation and operate at 240V AC single phase electricity supply.



Tank



Parts and labour



7

SMART ELECTRIC HOT WATER SYSTEM



Discover Thermann Smart Electric for ultimate hot water control and energy efficiency. With built-in Wi-Fi and the Thermann Control app, your customers will have greater control than ever before. Experience the future of hot water management.

ALLOWS YOUR CUSTOMERS TO:

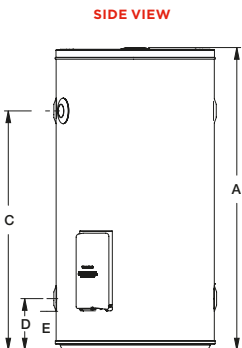
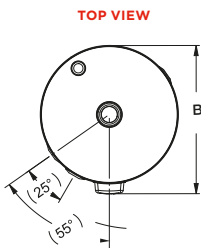
- Choose from four convenient modes: Manual, Eco, Holiday, and Schedule
- Track their energy use and power costs
- Schedule Mode: Schedule heating for optimal efficiency, e.g. when PV solar is available or power tariffs are lowest
- Manual Mode: Lower tank temperature to maximise savings, while keeping anti-legionella cycle
- Holiday Mode: Remotely turn the water heater on or off
- Eco Mode: Use machine learning to predict usage patterns for minimal energy consumption

SPECIFICATIONS

Smart Electric Tank

| Measurements (mm) | 80L | 125L | 160L | 250L | 315L | 400L |
|----------------------|---------------|---------------|---------------|---------------|---------------|----------|
| Total Height (A) | 925 | 1090 | 1315 | 1445 | 1765 | 1705 |
| Total Diameter (B) | 490 | 530 | 530 | 620 | 620 | 705 |
| Outlet Height (C) | 735 | 865 | 1095 | 1210 | 1530 | 1445 |
| Inlet Height (D) | 160 | 190 | 190 | 195 | 195 | 220 |
| Electrical Entry (E) | 126 | 135 | 135 | 140 | 143 | 168 |
| Connections | 90° | 90° | 90° | 90° | 90° | 90° |
| Storage Capacity | 88 | 130 | 161 | 259 | 321 | 415 |
| Hot Water Delivery | 80 | 125 | 160 | 250 | 315 | 400 |
| Net Weight Empty | 41 | 51 | 59 | 72 | 93 | 115 |
| Element Size (kW) | 1.8, 2.4, 3.0 | 1.8, 2.4, 3.0 | 1.8, 2.4, 3.0 | 1.8, 2.4, 3.0 | 1.8, 2.4, 3.0 | 2.4, 3.0 |
| Relief Valve | | | | | | |
| Pressure (kPa) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Temperature (°C) | 99 | 99 | 99 | 99 | 99 | 99 |
| Power Rating (kW) | 10 | 10 | 10 | 10 | 10 | 10 |

Download the Thermann Control app:



Cylinder



Parts and labour



Other parts and labour



THE SMARTER INSTALL

Give your customers more control over their hot water, energy use, and power bill with our new app-enhanced electric range.

Why will your customers love it?

The ultimate benefit of the units' smart features is their ability to reduce power use, and because of that, save your customers money. For customers with PV solar, common scenarios could see them saving between \$700 and \$1000 per year. And for those with a TOU tariff system, common scenario could see them saving around \$650 per year.*

Why will you love it?

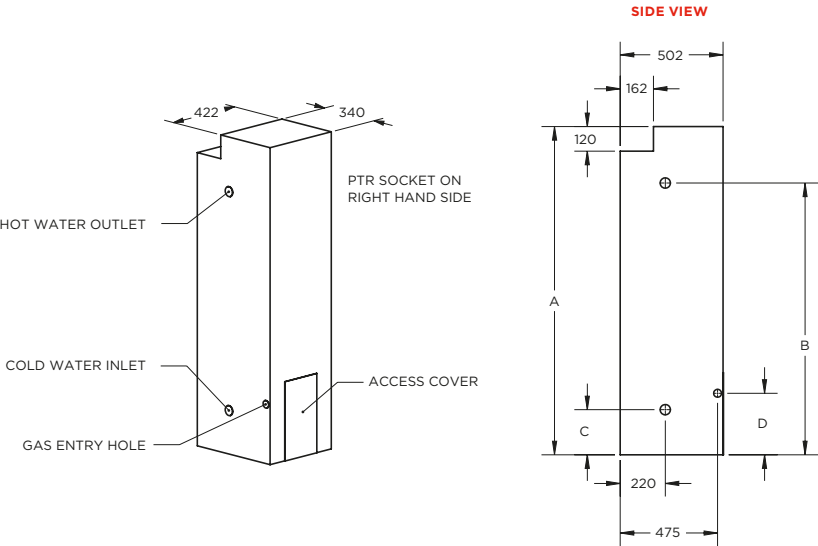
Our new app-enhanced electric range has the same footprint, dimensions, and connection points as our other electric units, so it's easy for you to install. Plus, it can be installed with a restricted electrical license (just like our other electric units) so you don't need an electrician for your install.

*Calculated based on specific operating conditions. Real-world savings may differ. See specific conditions on our website at thermann.com.au/products/smart-electric-storage#disclaimer

GAS STORAGE HOT WATER SYSTEM



The Thermann 4 Star Gas hot water heater can suit any family type. Gas storage hot water systems give you full mains pressure with a constant, strong stream of hot water. With an adjustable thermostat for safety and efficiency, it allows you to be in control of your operating costs and performance. The unit has a small footprint, similar to that of older square gas units, which makes it ideal upgrading to a higher efficiency model.



SPECIFICATIONS

Gas Tank

| Specifications | 135L | 170L |
|----------------------------------|-------------------------|----------|
| Capacity (litres) | 135 | 170 |
| Net Weight Empty (kg) | 72 | 86 |
| Relief Valve Pressure (kPa) | 1400 | 1400 |
| Gas Consumption (MJ/h) | NG - 28.5 LPG - 25.5 | NG - 33 |
| Recovery rate @ 45°C rise (L/hr) | NG - 126 LPG - 113 | NG - 146 |
| First Hr Capacity | NG - 261 LPG - 248 | NG - 316 |
| Measurements (mm) | 135L | 170L |
| Height (A) | 1600 | 1900 |
| Hot Water Outlet (B) | 1325 | 1620 |
| Cold Water Inlet (C) | 220 | 220 |
| Gas Inlet (D) | 300 | 300 |
| Water Inlet/Outlet | Left | Left |

Specifications correct for gas storage models manufactured after 14 February, 2022.

Selecting the right unit for you

| | 135L | 170L |
|------------|------|------|
| No. People | 2-4 | 3-5 |



Tank



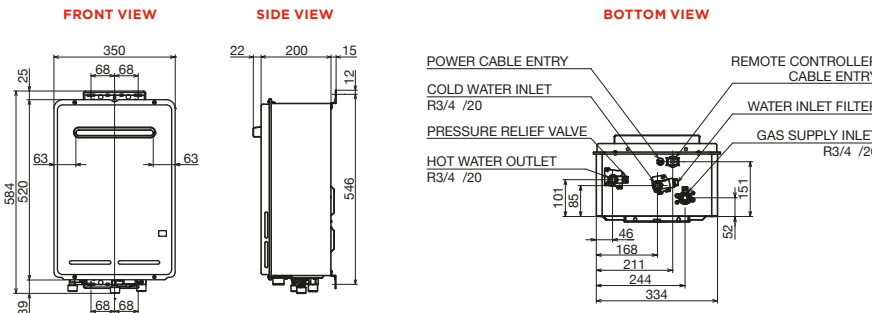
Parts and labour



CONTINUOUS FLOW G-SERIES HOT WATER SYSTEMS



The Thermann G-Series range features a new sleek gunmetal finish and boasts up to a 6.8* star rating, making the G-Series one of the most efficient non-condensing continuous flow units on the Australian market. Backed with a 12 year heat exchanger & 3 year full parts & labour warranty, you can be rest assured that you are covered for the life of the unit. Available in 50°C & 60°C as well as NG & LPG, the refined Thermann G-Series is the perfect choice for your home.



SPECIFICATIONS

Continuous Flow G-Series

| Specifications | 16L | 20L | 26L |
|---------------------------------------|--------------|--------------|--------------|
| Nominal hourly gas consumption (MJ/h) | 125 | 158 | 199 |
| Test point pressure (NG) (kPa) | 0.52 | 0.81 | 0.77 |
| Test point pressure (LPG) (kPa) | 0.77 | 1.18 | 1.26 |
| Minimum water pressure (kPa) | 50 | 70 | 105 |
| Maximum water pressure (kPa) | 1300 | 1300 | 1300 |
| Minimum gas inlet pressure NG (kPa) | 1.13 | 1.13 | 1.13 |
| Minimum gas inlet pressure LPG (kPa) | 2.75 | 2.75 | 2.75 |
| Maximum gas inlet pressure NG (kPa) | 5.0 | 5.0 | 5.0 |
| Maximum gas inlet pressure LPG (kPa) | 7.0 | 7.0 | 7.0 |
| Minimum Flow Rate Ignition (L/min) | 2.7 | 2.7 | 2.7 |
| Input voltage single phase 50Hz (V) | 240 | 240 | 240 |
| Maximum output current (A) | 0.3 | 0.38 | 0.46 |
| Inlet gas connection male thread | R3/4" (20mm) | R3/4" (20mm) | R3/4" (20mm) |
| Cold water connection male thread | R3/4" (20mm) | R3/4" (20mm) | R3/4" (20mm) |
| Hot water connection male thread | R3/4" (20mm) | R3/4" (20mm) | R3/4" (20mm) |
| Relief valve pressure setting (kPa) | 1600 | 1600 | 1600 |
| Weight dry (kg) | 14 | 14 | 15 |
| Dimensions (HxWxD mm) | 520x350x200 | 520x350x200 | 520x350x200 |

Selecting the right unit for you

| | 16L | 20L | 26L |
|------------------------------|---------|---------|---------|
| No. Outlets | 1 | 1-2 | 2-3 |
| Energy Rating (Stars) (50°C) | 6.8 | 6.8 | 6.7 |
| Capacity @ 25° rise (L/min) | 16 | 20 | 26 |
| Capacity @ 40° rise (L/min) | 10.8 | 13.2 | 16.3 |
| Gas Type Available | NG, LPG | NG, LPG | NG, LPG |



Heat Exchanger



Parts and labour



IAPMO Approval certificate no. GMK10409. Watermark Certificate of compliance WM-000506
*6.8-star rating applies to 16L & 20L 50°C models at peak performance. 26L 50°C model will achieve up to a 6.7-star energy rating at peak performance.

CONTINUOUS FLOW R-SERIES

HOT WATER SYSTEMS



The R-Series range now includes the 17R, 21R, and 26R in 50°C and 60°C models in addition to the existing large capacity 32R model in 50°C and 60°C options. The range provides sizing options for applications big, small, and everything in between.

The 26R model is one of the most efficient non-condensing units on the market in Australia. It not only features an equivalent energy efficiency rating of 6.4 stars, but its low minimum flow rate makes it the perfect choice to combine with water efficient 6-star tapware.

Selecting the right unit for you

| | 17L | 21L | 26L | 32L |
|-----------------------------|---------|---------|---------|---------|
| No. Outlets | 2 | 2 - 3 | 3 | 4 |
| Energy Rating (Stars) | 6.0 | 6.1 | 6.4 | 5.8 |
| Capacity @ 25° rise (L/min) | 17 | 21 | 26 | 32 |
| Capacity @ 40° rise (L/min) | 11 | 13 | 16 | 20 |
| Gas Type Available | NG, LPG | NG, LPG | NG, LPG | NG, LPG |

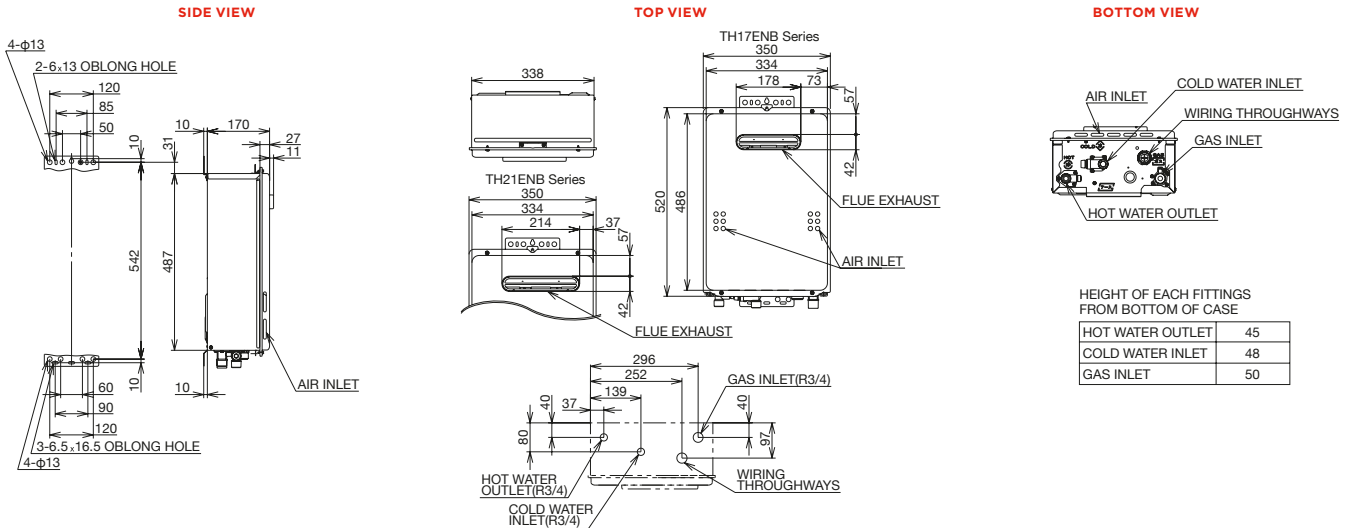
SPECIFICATIONS

Continuous Flow R-Series

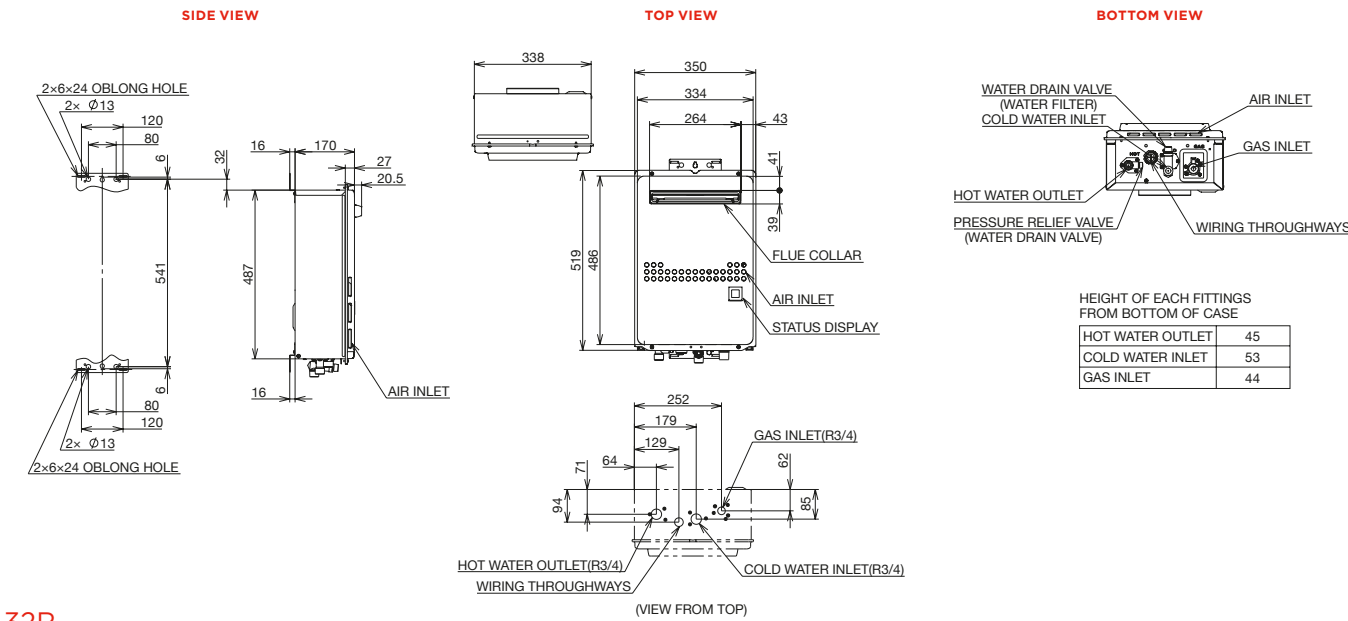
| Specifications | 17L | 21L | 26L | 32L |
|--|-----------------------|--------------|--------------|--------------------------|
| Nominal hourly gas consumption (MJ/h) | 126 (NG) 127 (LPG) | 159 | 195 | 250 |
| Test point pressure NG (kPa) | 0.61 | 0.62 | 0.69 | 0.25 (Min) 0.70 (Max) |
| Test point pressure LPG (kPa) | 0.71 | 0.77 | 0.87 | 0.49 (Min) 1.51 (Max) |
| Minimum water pressure (kPa) | 200 | 200 | 200 | 200 |
| Maximum water pressure (kPa) | 1000 | 1000 | 1000 | 1000 |
| Minimum gas inlet pressure NG (kPa) | 1.13 | 1.13 | 1.13 | 1.13 |
| Minimum gas inlet pressure LPG (kPa) | 2.75 | 2.75 | 2.75 | 2.75 |
| Maximum gas inlet pressure NG (kPa) | 3.0 | 3.0 | 3.0 | 3.0 |
| Maximum gas inlet pressure LPG (kPa) | 3.5 | 3.5 | 3.5 | 3.5 |
| Minimum flow rate ignition (L/min) | 2.5 | 2.5 | 1.5 | 2.0 |
| Input voltage single phase 50HZ (v) | 230 - 240 | 230 - 240 | 230 - 240 | 230 - 240 |
| Maximum output current (A) | 0.44 | 0.44 | 0.54 | 0.6 |
| Inlet gas connection male thread | R3/4" (20mm) | R3/4" (20mm) | R3/4" (20mm) | R3/4" (20mm) |
| Cold and hot water connections male thread | R3/4" (20mm) | R3/4" (20mm) | R3/4" (20mm) | R3/4" (20mm) |
| Relief valve pressure setting (kPa) | 1620 | 1620 | 1620 | 1620 |
| Weight dry (kg) | 14 | 15 | 16 | 30 |
| Dimensions (HxWxD mm) | 520x350x170 | 520x350x170 | 520x350x170 | 615x464x240 |

IAPMO Approval certificate no. GMK-10614. Watermark Certificate of compliance WMKA20083.

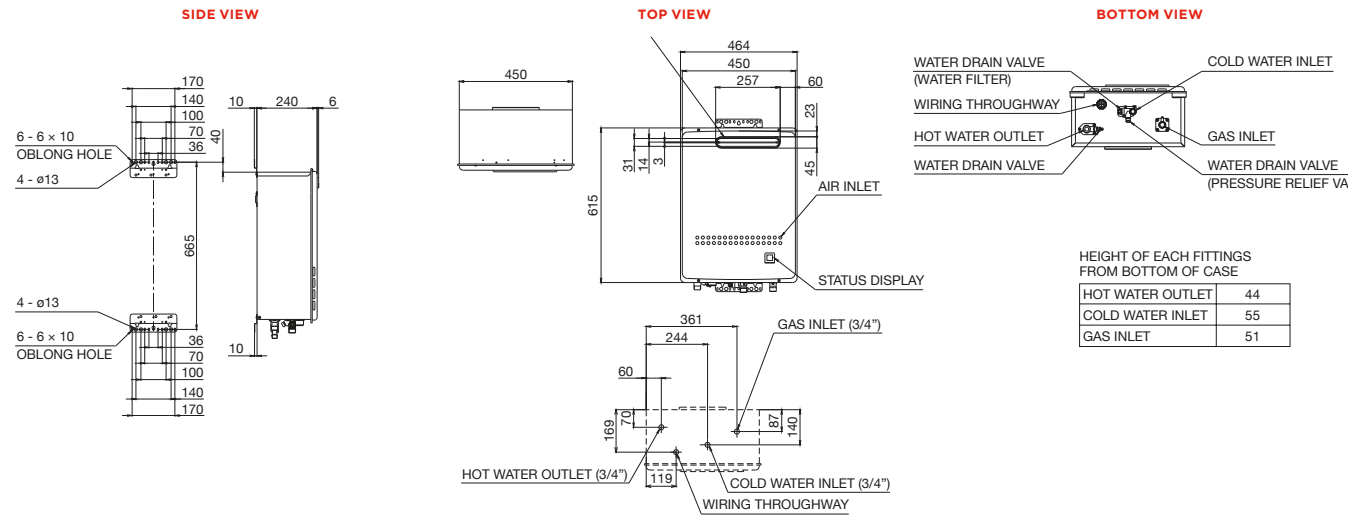
17R,21R



26R



32R



CONTINUOUS FLOW R-SERIES

HOT WATER SYSTEMS

The R-Series has a full range of optional accessories available, including remote temperature controllers for precise temperature control, recess wall boxes for discreet installation in wall cavities, flue diverters for compliance and anti-theft brackets for added security.

Main Controller



Bathroom Controller 1



Bathroom Controller 2



| Optional Accessories | Code |
|---|---------|
| Controllers | |
| R-Series Main Controller | 9507958 |
| R-Series Bathroom 1 Controller | 9507959 |
| R-Series Bathroom 2 Controller | 9507960 |
| Commercial Controller - Suits 32L only (Internal controller) | 9507385 |
| Quick Connect cable (2m) - Suits 32L only (Must be used with Commercial controller when linking up to 2 units together) | 1309044 |
| Recess Boxes | |
| 32R Half Recess Box | 1309048 |
| 17R 21R 26R Half Recess Box | 2571022 |
| 26R Full Recess Box | 2571023 |
| Pipe Covers | |
| 17R 21R 26R Pipe Cover | 2571026 |
| 32R Pipe Cover | 1309045 |
| Flue Diverters | |
| 17R Side Flue Diverter | 2571027 |
| 21R Side Flue Diverter | 2571028 |
| 26R Side Flue Diverter | 2571029 |
| 26R Side Flue Diverter - Long | 2571030 |
| 32R Side Flue Diverter | 1309047 |
| 32R Upward Flue Diverter | 1309046 |

Note: All R-Series controllers come with a standard 10m cable.
*Both the Quick Connect Cable & Commercial Controller are required when connecting two 32R units together.
Only a Commercial Remote is required when connecting a 32R unit to a circulating pump e.g. for applications with a ring main.

THERMANN

LOW ENERGY USE IS A HIGH PRIORITY.

More and more households are trying to lower their energy use. That's why we're constantly developing innovative new technologies that heat water more efficiently.

Split Heat Pump

Split heat pumps use heat from the outside air and transfer this to your water, reducing energy consumption and making them up to 80% more efficient than a standard electric storage hot water system.

Electric Boosted Solar

This system uses the sun, a free and renewable energy source to heat your water and for those sunless days, there is a back-up electric element in the tank.

C7 Continuous Flow Hot Water

The Thermann C7 utilises condensing technology allowing typically wasted heat from the gas exhaust to pre-heat the water, providing lower running costs and reduced carbon emissions.

CONTINUOUS FLOW C7

HOT WATER SYSTEM

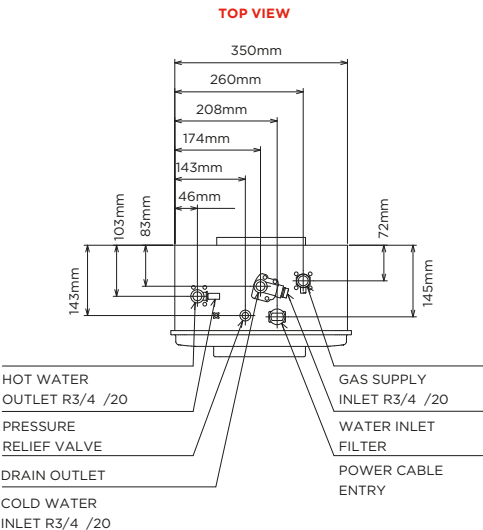
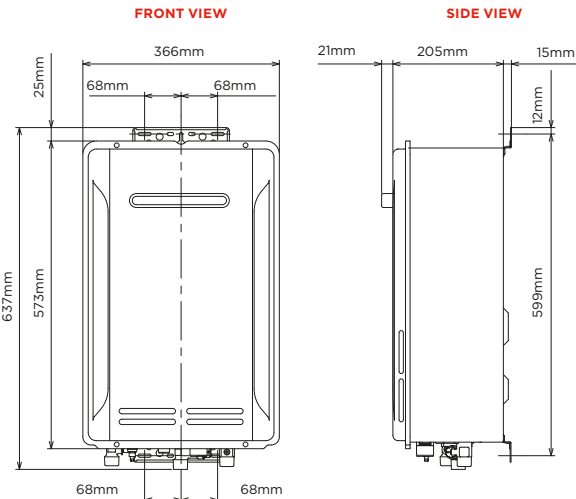


The Thermann C7 high efficiency Gas Continuous Flow unit ensures you will have enough hot water, when you need it. This unit has been developed to reduce wasted energy by pre-heating the water using heat from the gas exhaust, meaning you'll use less energy. With a 12 year warranty, you can rest assured you are covered for the life of the unit, and optional universal controllers ensure you always have precise control of your hot water temperature settings. The unit is available as a 26L model in both NG and LPG to suit your gas type.

- Up to 15% more efficient*
- Japanese technology and manufacture
- AGA approved
- Over 50 years of manufacturing experience
- Product quality guarantee
- Watermark approved
- Optional universal controllers available

SPECIFICATIONS

Continuous Flow C7



Compared to the Thermann 6 50°C model

CONTINUOUS FLOW C7

HOW IT WORKS

SPECIFICATIONS

Continuous Flow C7

| Specifications | 26L |
|--|--------------|
| Nominal hourly gas consumption (MJ/h) | 173 |
| Test point pressure NG (kPa) | 0.84 |
| Test point pressure LPG (kPa) | 1.27 |
| Minimum water pressure (kPa) | 115 |
| Maximum water pressure (kPa) | 1200 |
| Minimum gas inlet pressure NG (kPa) | 1.13 |
| Minimum gas inlet pressure LPG (kPa) | 2.75 |
| Maximum gas inlet pressure NG (kPa) | 5.0 |
| Maximum gas inlet pressure LPG (kPa) | 7.0 |
| Minimum flow rate ignition (L/min) | 2.7 |
| Input voltage single phase 50HZ (v) | 240 |
| Maximum output current (A) - inc. anti-frost heater | |
| Inlet gas connection male thread | R3/4" (20mm) |
| Cold water connection male thread | R3/4" (20mm) |
| Hot water connection male thread | R3/4" (20mm) |
| Condensate connection male thread | R1/2" (15mm) |
| Relief valve pressure setting (kPa) | 1400 |
| Weight dry (kg) | 20.5 |
| Dimensions (DxWxH mm) | 205x366x573 |

Selecting the right unit for you

| | 26L | Optional Accessories | Code |
|-------------------------------|---------|-------------------------------------|---------|
| No. Outlets | 2-3 | Universal controller with 15m cable | 9505082 |
| Energy Rating 50°C (stars) | 7.3 | 6" Recess Box Painted | 9505219 |
| Energy Rating 60°C (stars) | 7.0 | 6" Recess Box Gal | 9505218 |
| Capacity at 25°C rise (L/min) | 26 | 6" Locking Bracket | 9504679 |
| Capacity at 40°C rise (L/min) | 16.25 | 6" Flue Diverter | 9505161 |
| Gas Type Available | NG, LPG | | |



Heat Exchanger

IAPMO Approval Certificate no. GMK10409.
Watermark Certificate of Compliance WMKA-000506



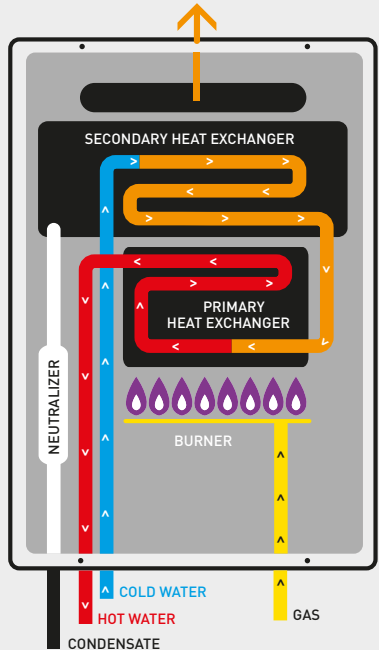
Universal Controller (optional)

HOW IT WORKS

DEVELOPED TO REDUCE WASTED ENERGY, THIS UNIT PRE-HEATS THE WATER USING HEAT FROM THE GAS EXHAUST, MEANING YOU'LL USE LESS ENERGY.

THE PROCESS

1. A hot water tap is turned on
2. Water enters the heater
3. The water flow sensor detects the water flow
4. The computer automatically ignites the burner
5. Water circulates through the heat exchanger
6. The heat exchanger heats the water to the designated temperature
7. When the tap is turned off, the unit shuts down



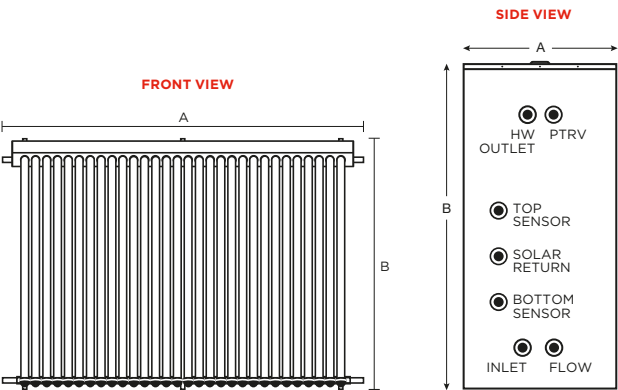
*Thermann model 26NG50C when compared to 26NG50, based on comparative energy consumption when tested to AS 4552.
**AS 4552 limits the rating shown on the energy label to 6.0 Stars. Where the calculated rating exceeds 6.0 Stars it is designated as an "equivalent" rating.

EVACUATED TUBE SOLAR

ELECTRIC BOOSTED



Thermann Evacuated Tube Solar electric boosted systems harness the sun’s energy to heat your water. An electric element in the tank provides back up if needed, ensuring peace of mind, whilst also reducing your running costs and environmental footprint.



SPECIFICATIONS

Electric Boosted Tank

| Measurements (mm) | 250L BOT | 315L BOT | 315L MID | 400L BOT | 400L MID |
|-------------------|----------|----------|----------|----------|----------|
| Tank Diameter (A) | 617 | 617 | 617 | 705 | 705 |
| Tank Height (B) | 1445 | 1765 | 1765 | 1704 | 1704 |
| HW Outlet | 1211 | 1531 | 1531 | 1445 | 1445 |
| PTRV Port | 1211 | 1531 | 1531 | 1445 | 1445 |
| Top Sensor Port | 786 | 872 | 872 | 809 | 832 |
| Solar Return Port | 567 | 566 | 504 | 536 | 554 |
| Bottom Sensor | 347 | 355 | 326 | 340 | 357 |
| Solar Flow | 197 | 197 | 197 | 219 | 219 |
| Cold Water Inlet | 197 | 197 | 197 | 219 | 219 |
| Dry Weight (kg) | 71 | 92 | 92 | 116 | 116 |

Roof Collector

| Measurements (mm) | | | Dry Weight | |
|-------------------|-----------|------------|------------|---------|
| Collector | Width (A) | Length (B) | WO/Tubes | W/Tubes |
| 22 Tubes | 1636 | 2005 | 20kg | 80.7kg |
| 30 Tubes | 2196 | 2005 | 24kg | 105.7kg |

Dry weights based on 2 track flush mount frame.

Selecting the right unit for you

| | 250L | 315L | 400L |
|------------|------|------|------|
| No. People | 3-5 | 4-6 | 5-9 |
| No. Tubes | 22 | 30 | 44 |

*Other kit configurations available



Tubes



Tank



Parts and Labour



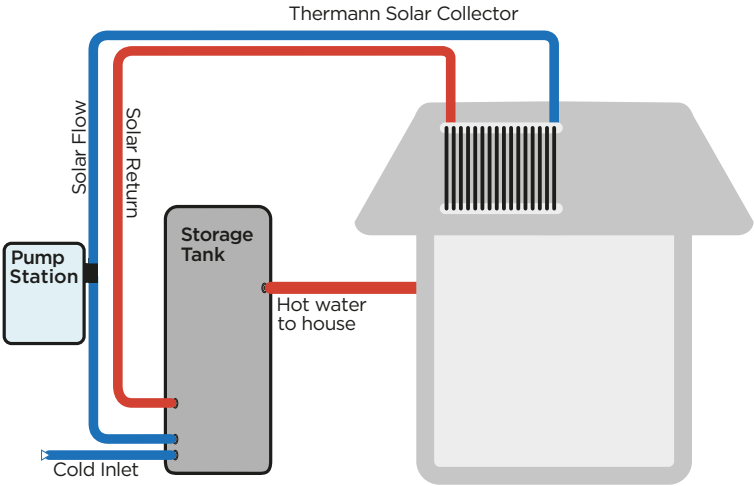
Tank

EVACUATED TUBE SOLAR

HOW IT WORKS

ELECTRIC SETUP

Electric Booster



Note: Diagram not to scale - basic system overview (not installation guide).

STEP 1

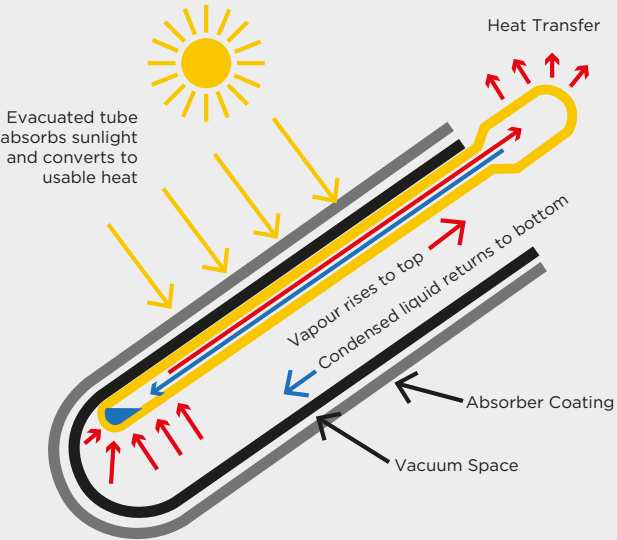
The sunlight strikes the dark absorber coating inside the tube.

STEP 2

The heat pipe transfers the heat up to the copper header pipe location in the insulated manifold box.

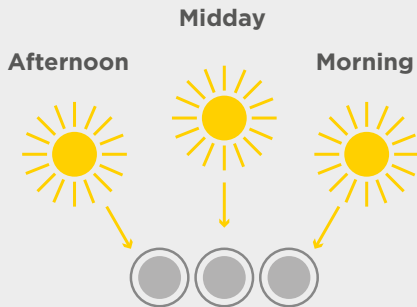
STEP 3

A circulator moves water from the storage tank to the copper pipe warming the water. The solar heated water is then pushed down into the storage tank for use. Anti-frost is built in to the Thermann system to ensure solar hot water can be provided even in cold regions.



PASSIVE SUN TRACKING

The round tube design of the system passively tracks the sun throughout the day giving the highest possible performance from early morning through to late afternoon.



INTEGRATED HEAT PUMP

HOT WATER SYSTEM



The innovative Thermann R290 Integrated Heat pump is the ultimate hot water system. With an easy to use unit controller and app connectivity, plus a back-up heating element, it's perfect for all Australian households.

DEPENDABLE, DURABLE, DIGITAL

- Local manufacturing ensures easy access to support and spare parts.
- Schedule heating and boost it on demand for greater control of your running costs.
- Holiday Mode for when you're away.
- App triggered rescue-mode in case of heat pump error.
- Sends notification of errors and servicing requirements.
- Monitor the tank's temperature.
- Suitable for all climates and extreme weather conditions (-6°C to +45°C).
- Easy install with similar foot print and connections as a Thermann electric storage unit.
- **Available in hard wired and plug-in models.**

SPECIFICATIONS

Selecting the right unit for you

| Measurements (mm) | 200L | 285L |
|---|--------------|--------------|
| Inlet Height (A) | 200 | 200 |
| Outlet Height (B) | 950 | 1375 |
| Total Height (C) | 1580 | 2005 |
| Total Diameter (D) | 620 | 620 |
| Total Depth including Cover (E) | 665 | 665 |
| Specifications | 200L | 285L |
| Storage Capacity (L) | 202.5 | 287 |
| Rated Energy Input (kW) | 2.6 | 2.6 |
| Max Current (A) | 12.6 | 12.6 |
| Heating capacity (kW) | 2.5 | 2.5 |
| Refrigerant Type/Mass (g) | R290/270 | R290/290 |
| Net Weight (kg) | 90 | 125 |
| Max. Refrigerant Circuit Pressure (kPa) | 2600 | 2600 |
| Relief Valve Rating | 1000kPa/10kW | 1000kPa/10kW |
| Operating Ambient Temperature | -6°C to 45°C | -6°C to 45°C |

Download the Thermann SmartLife App



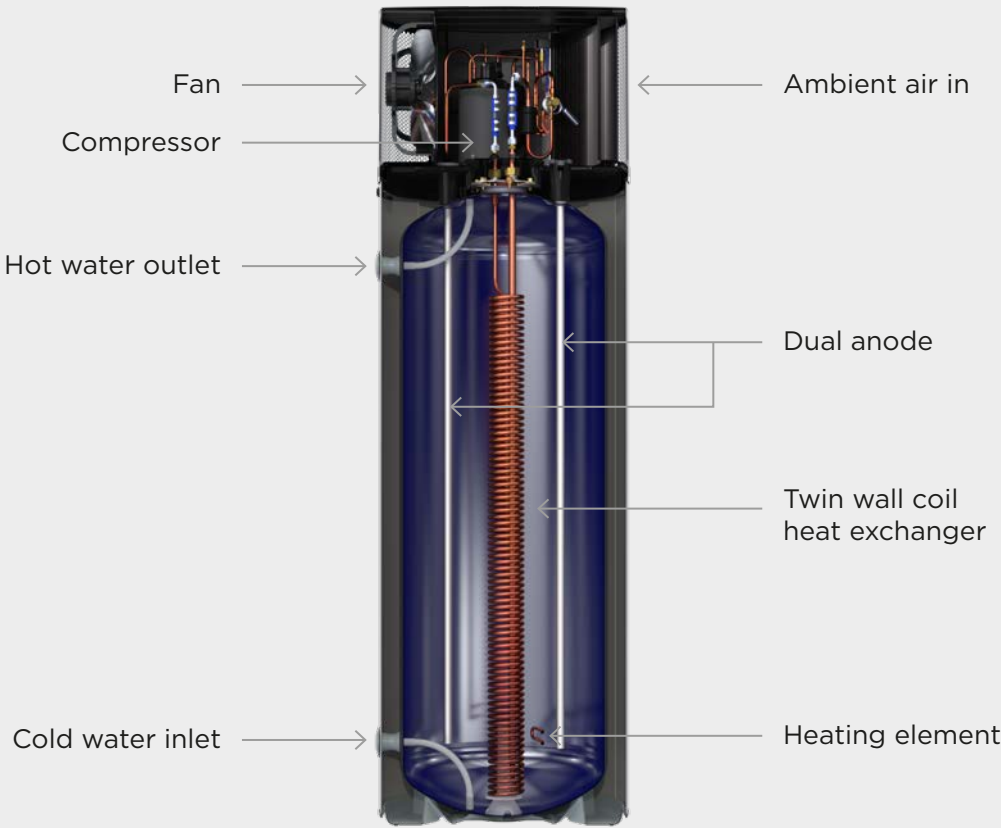
7
YEAR
TANK WARRANTY

3
YEAR
TANK LABOUR

3
YEAR
REFRIGERATION
COMPONENTS & LABOUR

1
YEAR
OTHER PARTS
& LABOUR

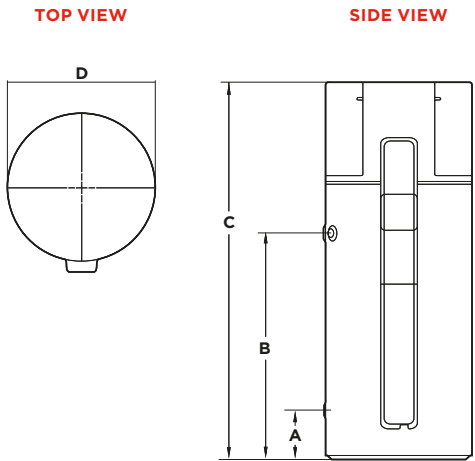
MADE IN AUSTRALIA



HOW IT WORKS

- STEP 1**
Outside air is drawn in through the evaporator by a high efficiency, electronic fan.
- STEP 2**
The evaporator uses the heat from the air and turns the liquid refrigerant into a vapour.
- STEP 3**
The refrigerant vapour is compressed raising the refrigerant temperature significantly so it becomes a hot gas.

- STEP 4**
This hot refrigerant gas flows down the patented in-tank heating coil where it directly releases the heat into the water. As the refrigerant gas cools, it turns back into a liquid.
- STEP 5**
The liquid refrigerant then flows through an expansion device where its pressure & temperature drops, and the low temperature refrigerant enters the evaporator to repeat the heating cycle.



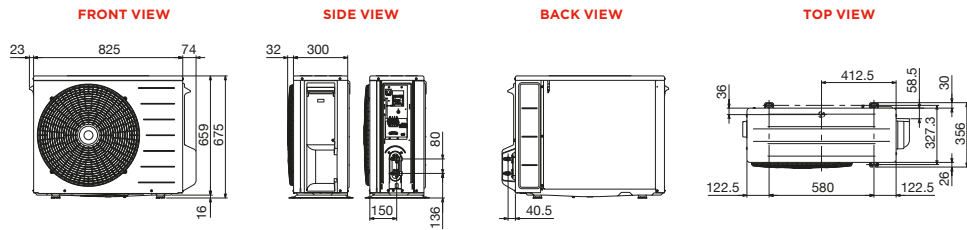
SPLIT HEAT PUMP

HOT WATER SYSTEM



Combining Japanese and Australian engineering, The **Split Heat pump** is a flexible, quiet, and highly efficient hot water solution for any climate. By extracting heat from the air, this clever system uses a naturally occurring gas to heat water making it up to 80% more efficient than that of a standard electric storage system.

- Highly efficient unit allowing for running cost savings
- Flexible installation options, ideal for installs with limited space
- Whisper quiet operation, 37dB
- Fast recover rate
- Uses natural refrigerant which is ozone friendly
- Delivers mains pressure hot water



SPECIFICATIONS

Heat Pump unit

| Specifications | |
|-------------------------------------|-------------------------|
| Refrigerant type | R744 (CO ₂) |
| Seasonal Coefficient of Performance | 5.08 |
| Setting outlet water temp | 65 °c |
| Product weight | 48 kg |
| Rated capacity | 4.5 kW |
| Max. power Input | 2.5kW |
| Max. current | 11A |
| Max. voltage | 240v |
| Design pressure (High/Low) | 14/9 MPa |
| Protection raining Class | IPX4 |
| Max. operating water pressure | 850 kPa |
| Operating Range | -10 to +43 |
| Operating Noise | 37dB |
| Rated power consumption | 0.95kW/h |

6

YEAR

QUALITY GUARANTEE

10

YEAR

QUALITY GUARANTEE

2

YEAR

QUALITY GUARANTEE

Heat pump unit

Tank

Parts and labour

MADE IN JAPAN

MADE IN AUSTRALIA

Heat pump unit

Tank

Selecting the right unit for you

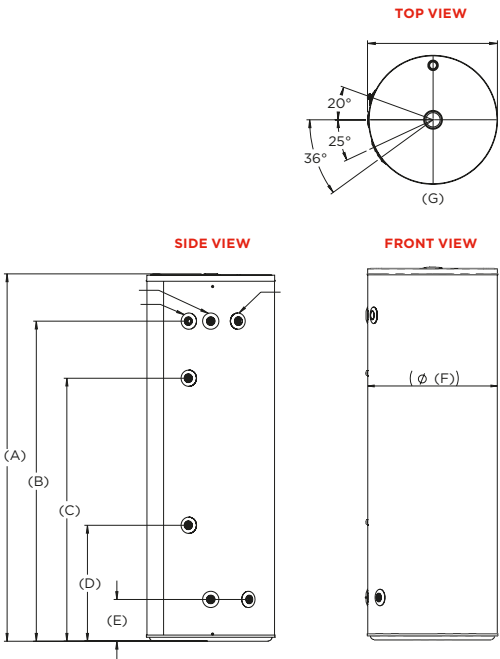
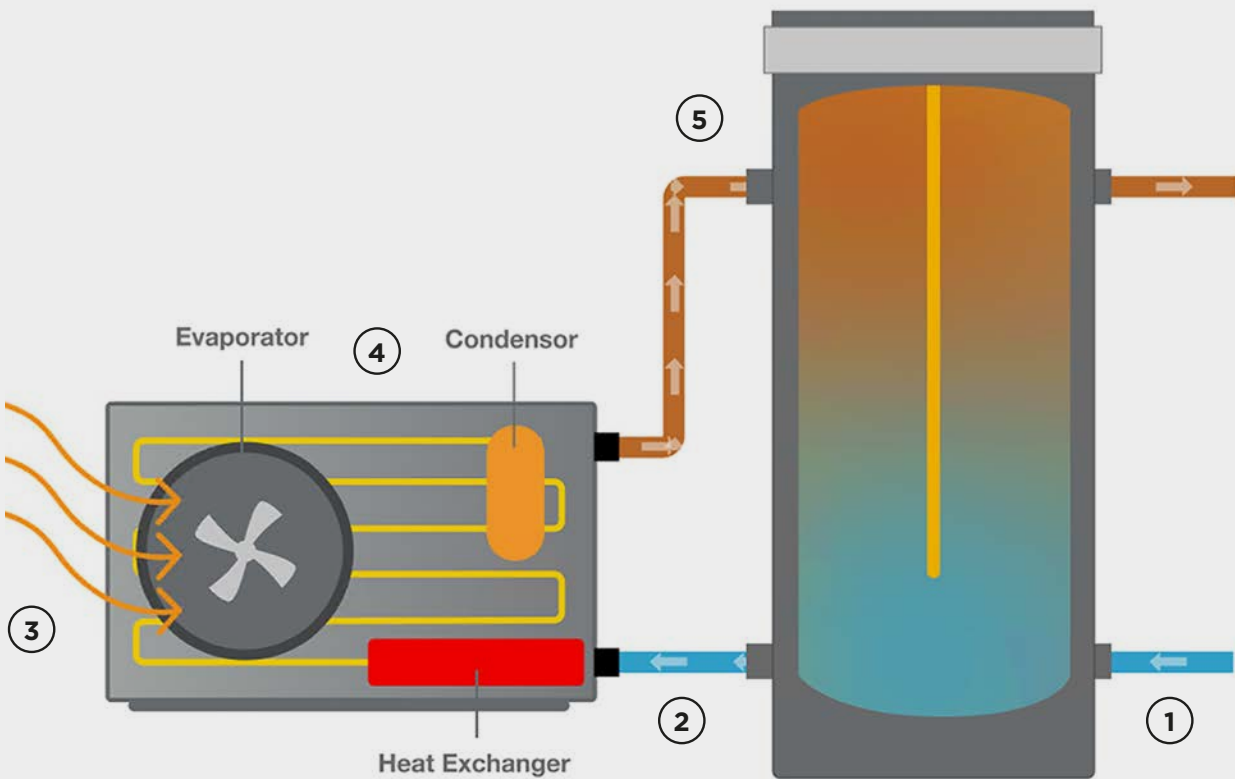
| | 160Lx4.5 | 250Lx4.5 | 315Lx4.5 | 400Lx4.5 |
|------------|----------|----------|----------|----------|
| No. People | 2 - 4 | 3 - 5 | 4 - 6 | 5 - 9 |

Tank

| Specifications | 160L | 250L | 315L | 400L |
|---------------------------------|--------|--------|--------|--------|
| Total Volume | 163L | 259L | 323L | 420L |
| Tank Weight (Empty) | 59kg | 71kg | 92kg | 116kg |
| PTRV Pressure Rating | 850kPa | 850kPa | 850kPa | 850kPa |
| Sensor Level on Tank | 68% | 69% | 69% | 69% |
| Measurements (mm) | | | | |
| Height (A) | 1318 | 1444 | 1762 | 1704 |
| Hot Water Outlet (B) | | | | |
| PTR Valve (B) | 1099 | 1217 | 1535 | 1452 |
| Heat Pump Return (B) | | | | |
| Top Sensor (C) | 936 | 997 | 1263 | 1215 |
| Bottom Sensor (D) | 439 | 463 | 555 | 561 |
| Heat Pump Flow & Cold Inlet (E) | 190 | 201 | 201 | 226 |
| Tank Diameter (F) | 528 | 613 | 613 | 701 |
| Overall Diameter (G) | 540 | 623 | 624 | 712 |

SPLIT HEAT PUMP

HOW IT WORKS



1. Water from the main fills the storage tank with cold water.
2. Water is drawn from the tank into the heat pump unit
3. A fan forces air through an evaporator where the heat from the air is transferred to a natural refrigerant gas.
4. The heated gas is then circulated around a compressor to be pressurised. This pressurisation causes the temperature of the gas to significantly rise.
5. 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.com.au

Reece. Works for you.

Visit www.reece.com.au for your nearest Reece store.

Due to limitations in the printing process the colours in this brochure are a guide only.

The manufacturer/distributor reserves the right to vary specifications or delete models from their range without prior notification. The manufacturer/distributor takes no responsibility for printing errors. All products enjoy a product replacement warranty. For full warranty details visit www.reece.com.au/productquality

V23 [BROCHURE CODE 2130530]

THERMANN™

reece®