



HOT WATER SYSTEMS

THERMANN™

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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 every day. 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.



RESIDENTIAL RANGE

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SMALL ELECTRIC STORAGE
HOT WATER SYSTEM



Thermann Small Electric Storage hot water units allow you to install hot water where space and access are 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

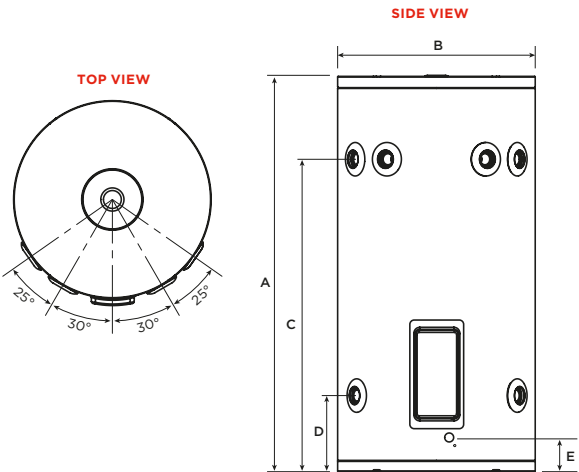
Measurements (mm)	25L	50L
Total Height (A)	455	670
Total Diameter (B)	405	405
Outlet Height (C)	275	490
Inlet Height (D)	145	145
Electrical Entry (E)	70	70
Element Angle (K)	55°	55°
Storage Capacity (litres)	31	50
Hot Water Delivery (litres)	25	50
Net Weight Empty (kg)	17	23
Element Size (kW)	2.4*, 3.6	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



Selecting the right unit for you

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



LARGE ELECTRIC STORAGE

HOT WATER SYSTEM



Thermann Electric Storage hot water units are insulated storage vessels that efficiently store hot water, ready for use when you need it. The range offers 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 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 outdoors

SPECIFICATIONS

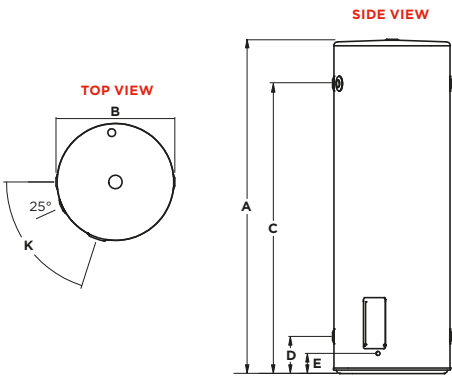
Electric Tank

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



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, that heats additional 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

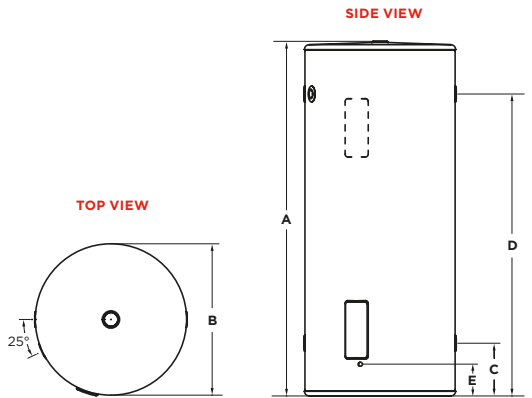
- Cost effective – primary heating with off-peak and a continuous backup supply
- Flexible – ideal for varying hot water loads
- Limited tariffs – perfect for regions where extended off-peak tariffs are unavailable
- Space efficient – for when there’s no room for a larger tank
- Fast hot water – the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



SMART ELECTRIC HOT WATER SYSTEM



Thermann Smart Electric delivers ultimate hot water control and energy efficiency. With built-in Wi-Fi and the Thermann Control app, you'll experience the future of hot water management.

SMART FEATURES

- Choose from four convenient modes: Manual, Eco, Holiday and Schedule
- Track 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



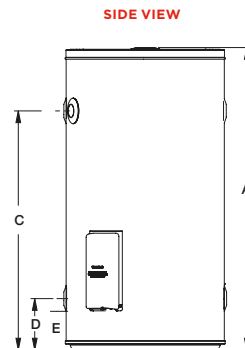
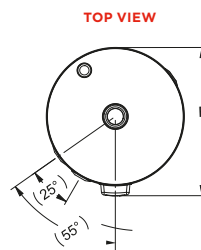
Cylinder



Parts & Labour



Other Parts
& Labour



Download the
Thermann Control app:



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 up to \$700, or even up to \$1,000 per year. And for those with a TOU tariff system, they could save up to \$600 per year for high tariff scenarios, or up to \$400 per year for lower tariff scenarios.*

Why will you love it?

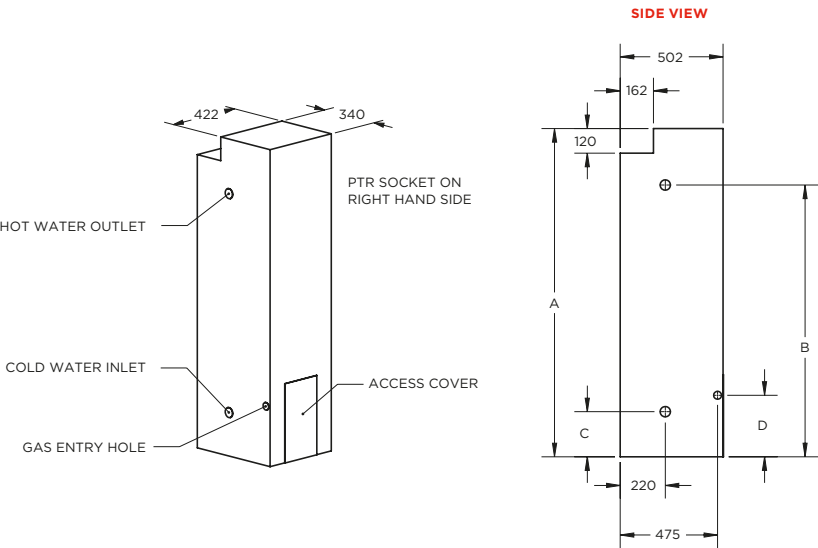
Our new app-enhanced electric range has the same footprint, dimensions and connection points as our other electric units, so it's easy for you to install. Plus, it can be installed with a restricted electrical licence (just like our other electric units) so you don't need an electrician for your install.

*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 for 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

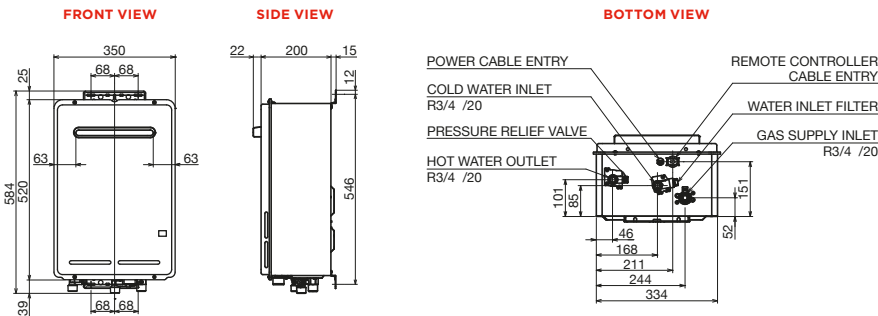
	135L	170L
No. People	2-4	3-5



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 equivalent* 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 and 3 year full parts and labour warranty, you can rest assured you're covered for the life of the unit. Available in 50°C and 60°C, as well as NG and 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



IAPMO Approval certificate no. GMK10409. Watermark Certificate of compliance WM-000506
*6.8-star equivalent rating applies to 16L & 20L 50°C models at peak performance. 26L 50°C model will achieve up to a 6.7-star equivalent 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 water and plumbing connections are identical across the entire 17L-26L range – and match those of current non-condensing models from major brands on the market.

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

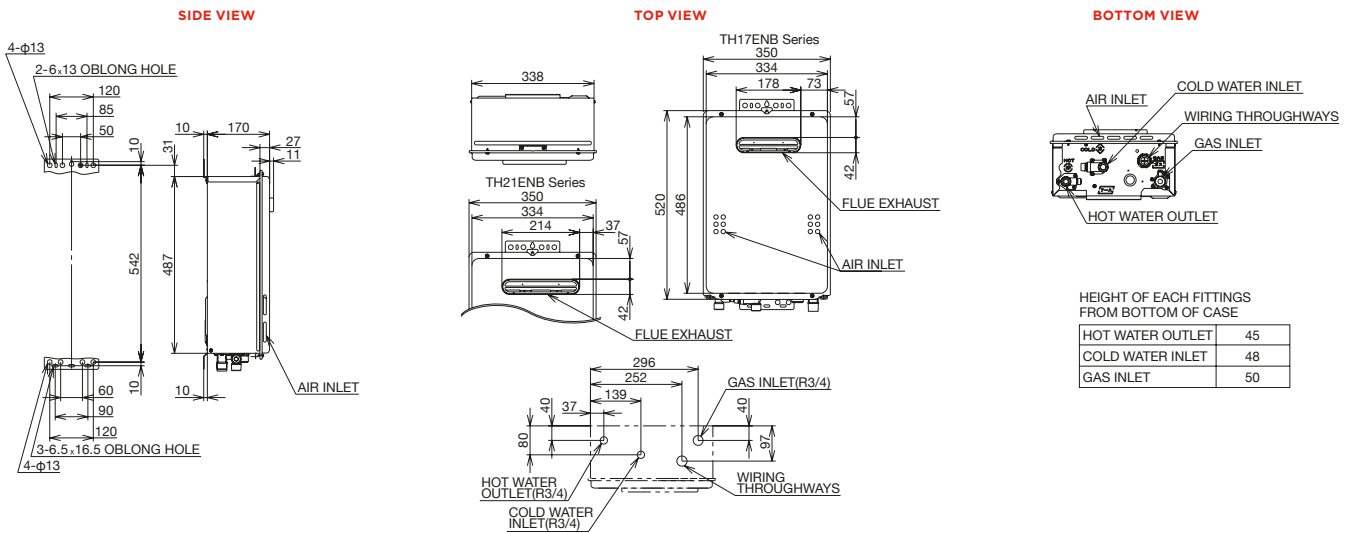
SPECIFICATIONS

Continuous Flow R-Series

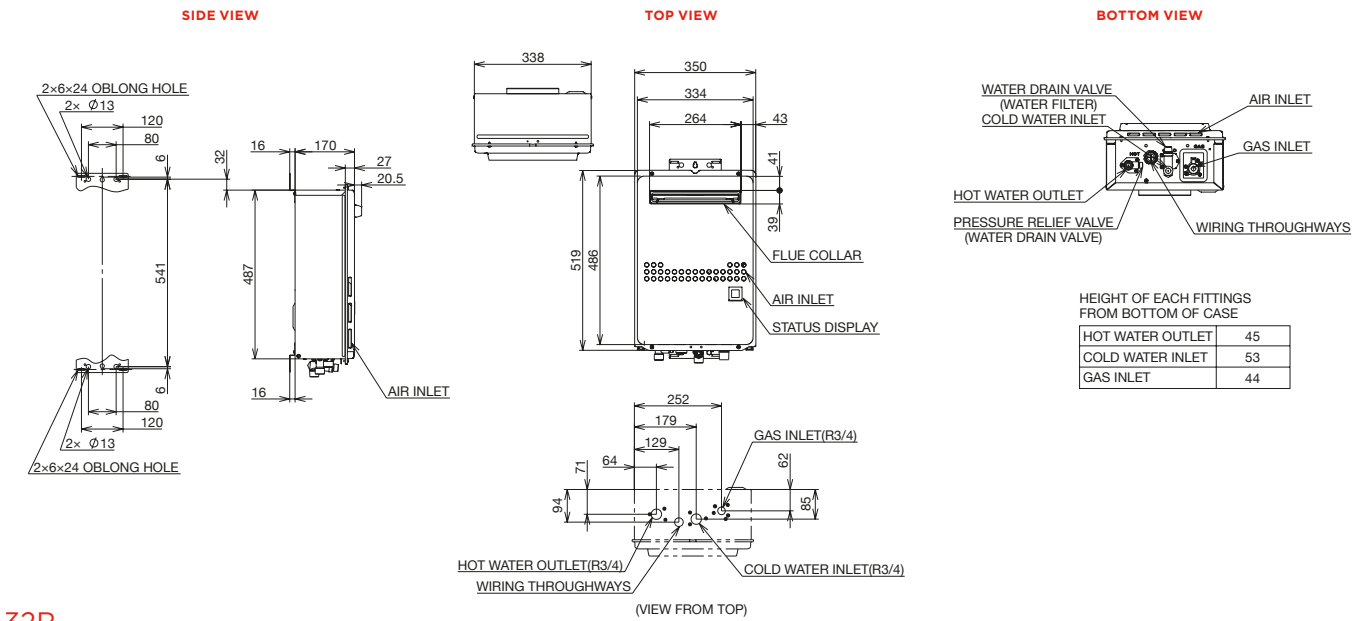
Specifications	17L	21L	26L	32L
Nominal hourly gas consumption (MJ/h)	125.5 (NG) 127 (ULPG)	159	195	250
Test point pressure NG (kPa)	0.61	0.62	0.69	0.25 (Min) 0.70 (Max)
Test point pressure LPG (kPa)	0.71	0.77	0.87	0.49 (Min) 1.51 (Max)
Minimum water pressure (kPa)	200	200	200	200
Maximum water pressure (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)	1.5	1.5	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.

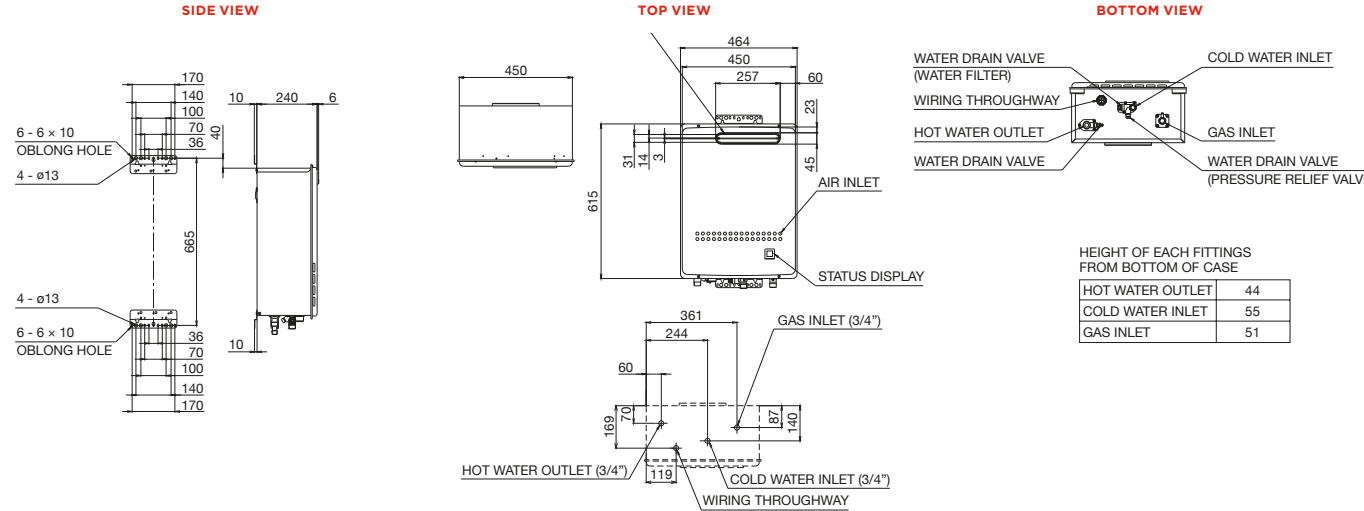
17R,21R



26R



32R



CONTINUOUS FLOW R-SERIES CONTROLLER

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
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

Our split heat pumps use R744 (CO₂), a natural, environmentally friendly refrigerant to heat from the outside air and transfer this to your water. This makes them up to 80% more efficient than a standard electric storage hot water system.

Integrated Heat Pump

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

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 footprint and connections to a Thermann Electric Storage unit
- Available in hard wired and plug-in models.

SPECIFICATIONS

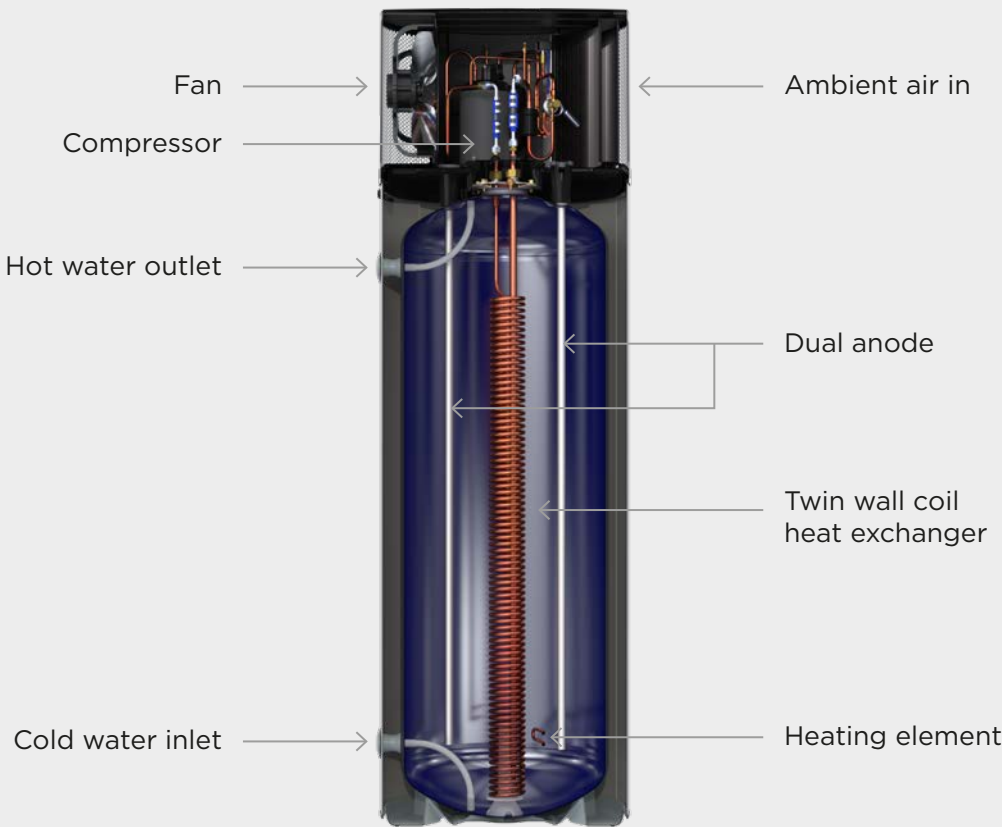
Selecting the right unit for you

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



WHAT'S INSIDE



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.

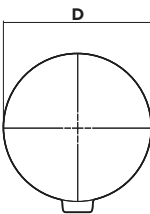
STEP 4

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.

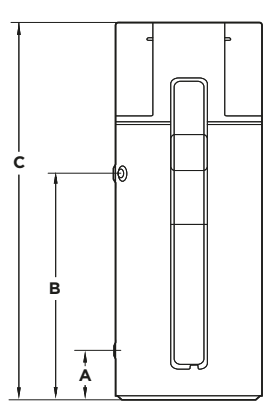
STEP 5

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.

TOP VIEW



SIDE VIEW



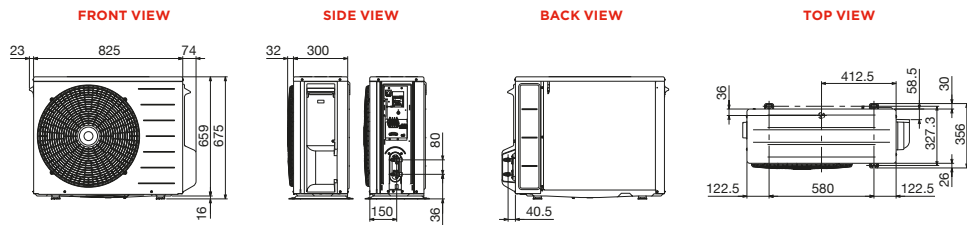
SPLIT HEAT PUMP

HOT WATER SYSTEM



The Split Heat pump combines Japanese and Australian engineering, and 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. With a COP of 5.08, the pump is up to 5× more efficient than a standard electric storage tank.

- With added controller and timer functionality
- Highly efficient unit allowing for running cost savings
- Flexible installation options, ideal for installs with limited space
- Whisper quiet operation, 37dB
- Fast recover rate
- Low GWP and natural refrigerant R744 for zero ODP (ozone depletion potential)
- Delivers mains pressure hot water



SPECIFICATIONS

Heat Pump unit

Specifications	
Refrigerant type	R744 (CO ₂)
Seasonal Coefficient of Performance*	5.08
Outlet water temperature	65°C
Product weight	48 kg
Rated capacity	4.5 kW
Max. power Input	2.5kW
Max. current	11A
Rated supply voltage / frequency	240V / 50Hz
Refrigerant design pressure (High/Low)	14/9 MPa
Ingress protection rating	IPX4
Max. operating water pressure	850 kPa
Operating Range	-10°C to +43°C
Operating Noise	37dB(A)

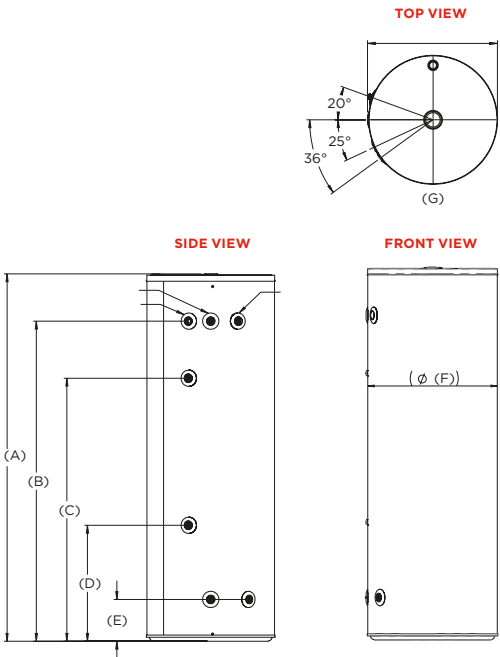
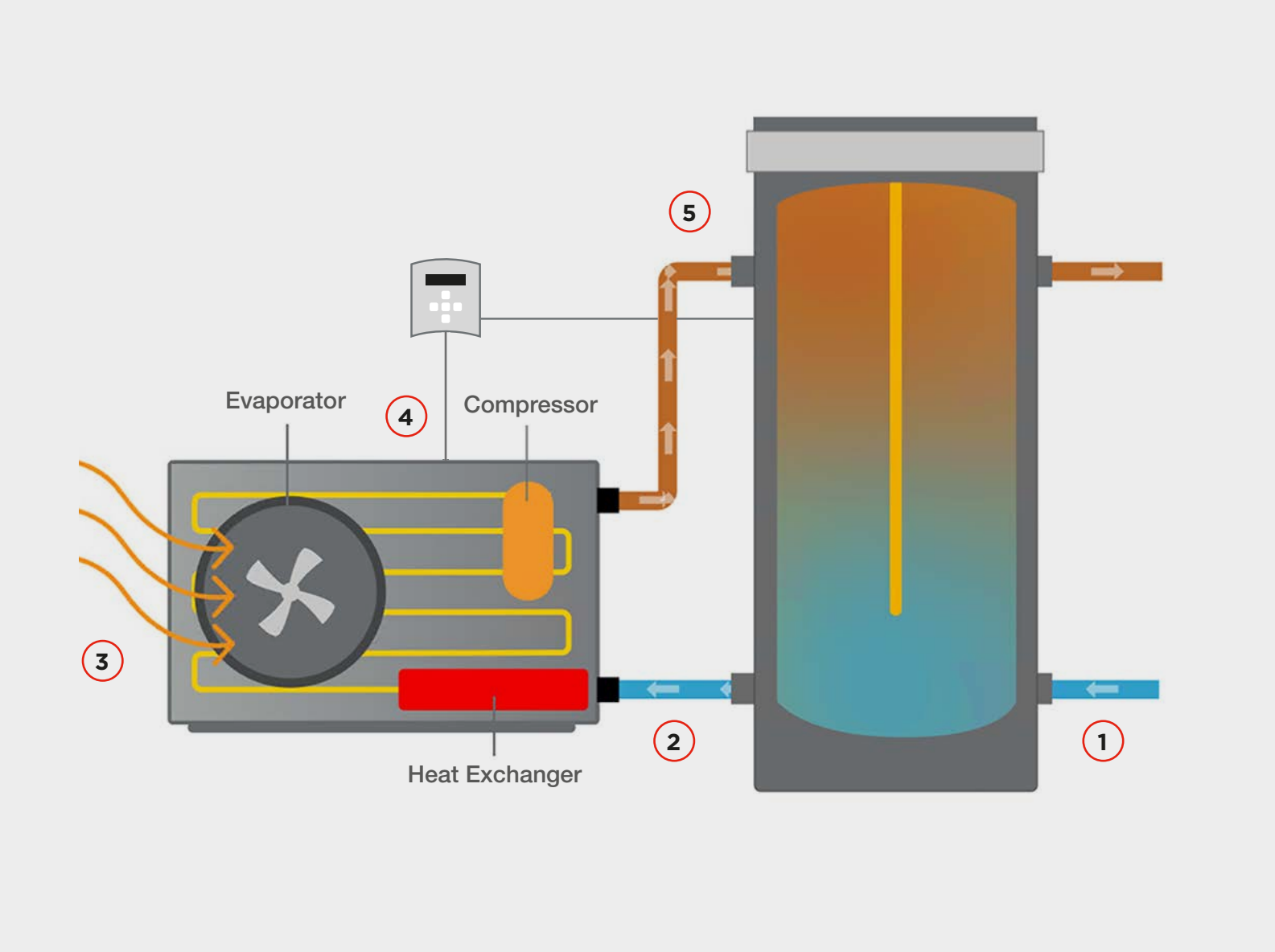
*COP is the measure of energy output in kW based on 1kW of input energy using an ambient temperature of 20°C and a cold water input temperature of 15°C. In this case, every kW of input energy results in 5.08kW of output energy.

Selecting the right unit for you

Tank	160L	250L	315L	400L
No. People	2 - 4	3 - 5	4 - 6	5 - 9

Tank

Specifications	160L	250L	315L	400L
Storage Capacity	163L	259L	321L	415L
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



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.



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The appearance of the products in this brochure may differ from the actual products.
Product images are for reference 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. Warranty terms and conditions apply. Refer owner's manual supplied with the product for full details, or visit www.reece.com.au.

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