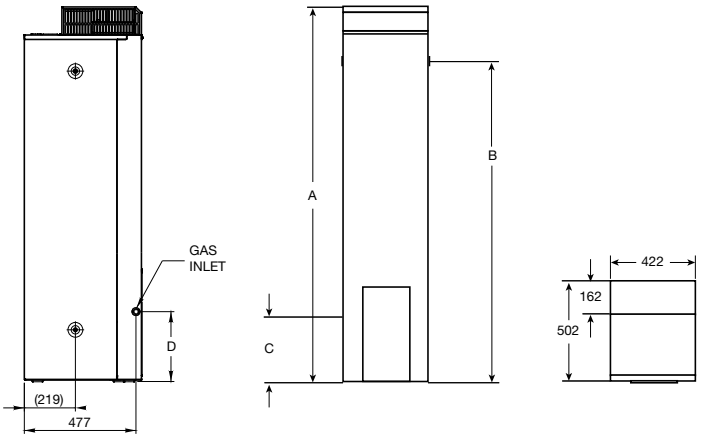
HOT WATER SYSTEMS

THERMANN™

www.thermann.com.au

GAS STORAGE
HOT WATER SYSTEM

THE THERMANN 4* GAS HOT WATER HEATER CAN SUIT ANY FAMILY TYPE. 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 WHICH MAKES IT IDEAL FOR REPLACING A 3* CHANGEOVER.



SPECIFICATIONS

Gas Tank

Measurements	135L	170L
Capacity (litres)	135	170
Net Weight Empty (kg)	80	86
Relief Valve Pressure (kPA)	1400	1400
Gas Consumption (MJ/h)	135NG = 23.5 135LPG = 22.5	170NG = 27
Recovery rate @ 45°C rise (L/hr)	104	119
First Hr Delivery	239	289
Dimensions (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	Dual	Dual

Selecting the right unit for you

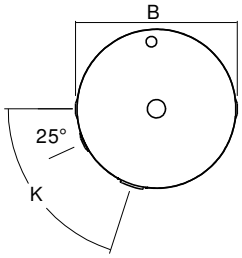
	135L	170L
No. People	3-4	4-5

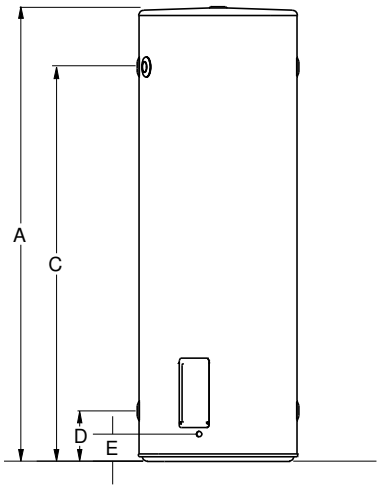
7 YEAR QUALITY GUARANTEE
Cylinder

1 YEAR QUALITY GUARANTEE
Parts and labour

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.





SPECIFICATIONS

Electric Tank

Measurements	80L	125L	160L	250L	315L	400L
Total Height (A)	925	1090	1315	1445	1745	1705
Total Diameter (B)	490	530	530	615	615	705
Outlet Height (C)	735	865	1120	1211	1531	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	61	72	92	110
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

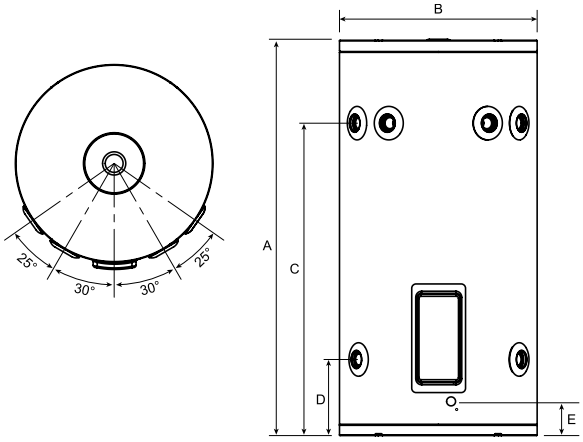
	80L	125L	160L
Inlet/Outlet	Dual Handed	Dual Handed	Dual Handed
No. People (continuous)	2-3	3-4	3-5
No. People (off peak)	0	0	1-3
	250L	**315L**	**400L**
Inlet/Outlet	Dual Handed	Dual Handed	Dual Handed
No. People (continuous)	3-5	4-6	5-9
No. People (off peak)	1-3	2-4	4-6

7 YEAR QUALITY GUARANTEE
Cylinder

1 YEAR QUALITY GUARANTEE
Parts and labour

ELECTRIC 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.



SPECIFICATIONS

Electric Tank

Measurements	25L	50L
Total Height (A)	455	695
Total Diameter (B)	405	405
Outlet Height (C)	280	520
Inlet Height (D)	155	155
Electrical Entry (E)	65	65
Element Angle (K)	55°	55°
Storage Capacity (litres)	31	53
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

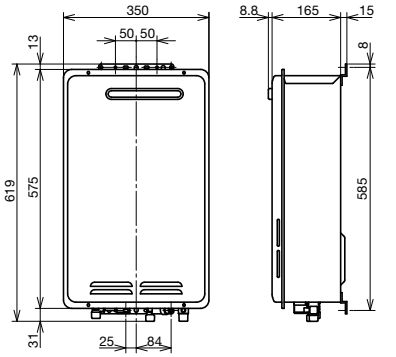
	25L	50L
Inlet/Outlet	Dual Handed	Dual Handed
No. People (continuous)	1	1-2
No. People (off peak)	0	0

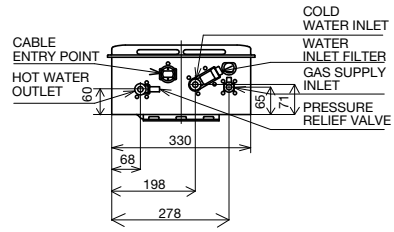
7 YEAR QUALITY GUARANTEE
Cylinder

1 YEAR QUALITY GUARANTEE
Parts and labour

CONTINUOUS FLOW 5*
HOT WATER SYSTEMS

THE THERMANN 5* GAS CONTINUOUS FLOW SYSTEM HEATS WATER AS IT FLOWS THROUGH A COILED PIPE AROUND A GAS BURNER, WHICH MEANS YOU'LL NEVER RUN OUT OF HOT WATER.





Recess Box Painted

Kitchen Controller

Bathroom/Ensuite Controller

SPECIFICATIONS

Continuous Flow 5*

Measurements	16L	20L	26L
Nominal hourly gas consumption (MJ/h)	125	160	200
Test point pressure NG (kPa)	0.4	0.56	0.68
Test point pressure LPG (kPa)	0.4	0.61	0.7
Minimum water pressure (kPa)	260	260	210
Maximum water pressure (kPa)	1200	1200	1200
Minimum gas inlet pressure (kPa)	NG 1.13 LPG 2.75	NG 1.13 LPG 2.75	NG 1.13 LPG 2.75
Maximum gas inlet pressure (kPa)	NG 5.0 LPG 7.0	NG 5.0 LPG 7.0	NG 5.0 LPG 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)	0.42	0.45	0.47
Inlet gas connection male thread	R3/4" (20mm)	R3/4" (20mm)	R3/4" (20mm)
Cold water connection male thread	R1/2" (15mm)	R1/2" (15mm)	R3/4" (20mm)
Hot water connection male thread	R1/2" (15mm)	R1/2" (15mm)	R3/4" (20mm)
Relief valve pressure setting (kPa)	1400	1400	1400
Weight dry (kg)	16	16	17
Dimensions (HxWxDmm)	575x350x165	575x350x165	575x350x165

Accessories	Code
Kitchen controller with 15m cable	9504157
Bathroom controller with 15m cable	9504158
Ensuite controller with 15m cable	9504159
Recess Box Gal	9504553
Recess Box Painted	9504555
Locking Bracket	9504554

Selecting the right unit for you

	16L	20L	26L
No. Bathrooms	1	1-2	2-3
Energy Rating (Stars)	5.2	5.3	5.8
Capacity @ 25° rise (L/min)	16L	20L	26L
Capacity @ 40° rise (L/min)	10	12.5	16.25
Gas Type Available	NG, LPG	NG, LPG	NG, LPG

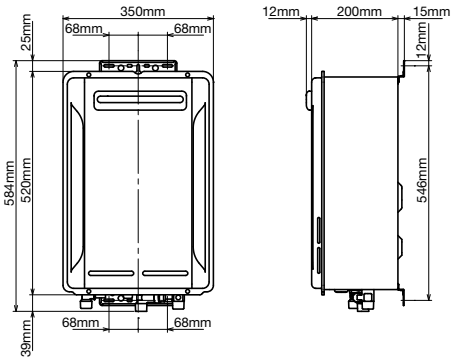
10 YEAR QUALITY GUARANTEE
Heat Exchanger

3 YEAR QUALITY GUARANTEE
Parts and labour

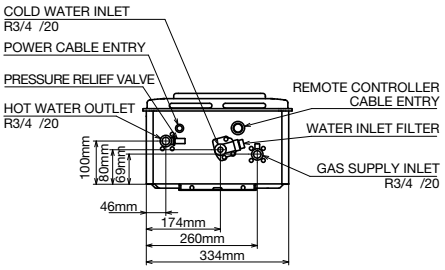
SAIG Approval certificate no. GSCS20021. Watermark Certificate of compliance WMKA 00506

CONTINUOUS FLOW 6*
HOT WATER SYSTEMS

THE THERMANN 6*, ENERGY EFFICIENT GAS CONTINUOUS FLOW UNIT ENSURES YOU WILL HAVE ENOUGH HOT WATER, WHEN YOU NEED IT. WITH A 12 YEAR WARRANTY, YOU CAN REST ASSURED YOU ARE COVERED FOR THE LIFE OF THE UNIT, AND UNIVERSAL CONTROLLERS ENSURE YOU ALWAYS HAVE PRECISE CONTROL OF YOUR HOT WATER TEMPERATURE SETTINGS.



Recess Box Painted



Universal Controller

SPECIFICATIONS

Continuous Flow 6*

Measurements	16L	20L	26L
Nominal hourly gas consumption by proportional electronic gas control (MJ/h)	125	158	200
Test point pressure (Natural Gas) (kPa)	0.56	0.8	0.8
Test point pressure (Propane) (kPa)	0.91	1.4	1.5
Minimum water pressure (kPa)	60	90	110
Maximum water pressure (kPa)	1200	1200	1200
Minimum gas inlet pressure (kPa)	NG 1.13 LPG 2.75	NG 1.13 LPG 2.75	NG 1.13 LPG 2.75
Maximum gas inlet pressure (kPa)	NG 5.0 LPG 7.0	NG 5.0 LPG 7.0	NG 5.0 LPG 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)	0.39	0.45	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)	1400	1400	1400
Weight dry (kg)	15	15	16
Dimensions (HxWxDmm)	520x350x200	520x350x200	520x350x200

SAIG Approval certificate no. GSCS20021. Watermark Certificate of compliance WMKA 00506

Accessories	Code
Universal controller with 15m cable	9505082
6* Recess Box Painted	9505219
6* Recess Box Gal	9505218
6* Locking Bracket	9504679
6* Flue Diverter	9505161

Selecting the right unit for you

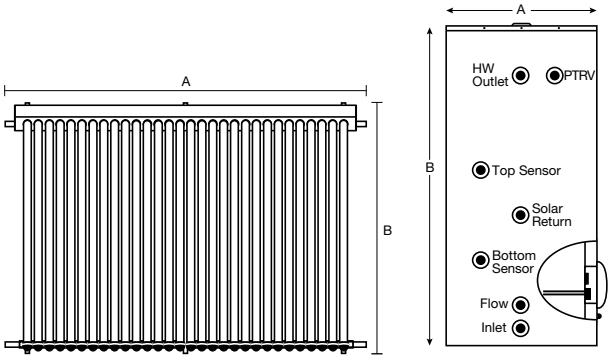
	16L	20L	26L
No. Bathrooms	1	1-2	2-3
Energy Rating (Stars) (50°C)	6.3	6.5	6.1
Energy Rating (Stars) (60°C)	6.0	6.0	6.0
Capacity @ 25° rise (L/min)	16L	20L	26L
Capacity @ 40° rise (L/min)	10	12.5	16.25
Gas Type Available	NG, LPG	NG, LPG	NG, LPG

12 YEAR QUALITY GUARANTEE — Heat Exchanger

3 YEAR QUALITY GUARANTEE — Parts and labour

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.



SPECIFICATIONS

Electric Boosted Tank

Measurements (mm)	250L BOT	250L MID	315L BOT	315L MID	400L BOT	400L MID
Tank Diameter (A)	648	648	648	648	731	731
Tank Height (B)	1388	1388	1682	1682	1731	1731
HW Outlet	1167	1167	1470	1470	1474	1474
PTRV Port	1167	1167	1470	1470	1474	1474
Top Sensor Port	759	759	841	841	841	841
Solar Return Port	564	432	564	509	564	564
Bottom Sensor	369	303	369	342	369	369
Solar Flow	174	174	174	174	174	174
Cold Water Inlet	74	74	74	74	74	74
Dry Weight (kg)	86	86	98	98	130	130

Roof Collector

Measurements (mm)			Dry Weight	
Collector	Width (A)	Length (B)	WO/Tubes	W/Tubes
22 Tubes	1636	2025	20kg	85kg
30 Tubes	2196	2025	24kg	112kg

Dry weights based on 3 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

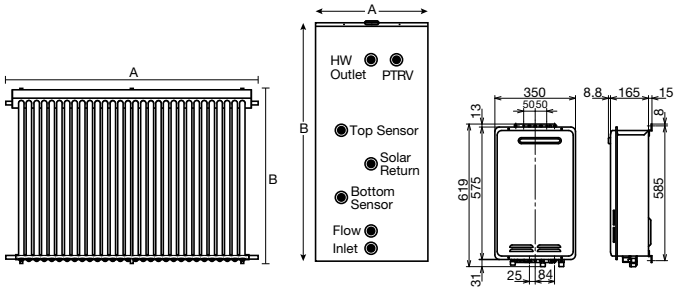
15 YEAR QUALITY GUARANTEE
Tubes

10 YEAR QUALITY GUARANTEE
Tank

1 YEAR QUALITY GUARANTEE
Parts and Labour

EVACUATED TUBE SOLAR
GAS BOOSTED

THERMANN EVACUATED TUBE SOLAR GAS BOOSTED SYSTEMS OFFER RELIABILITY AND EFFICIENCY. PASSIVE SUN TRACKING MEANS MORE OF THE SUN'S RAYS ARE CONVERTED TO USABLE HOT WATER THROUGHOUT THE DAY - REDUCING YOUR POWER BILLS. WITH THE GAS BOOSTED CONTINUOUS FLOW UNIT, YOU'LL NEVER RUN OUT OF HOT WATER, NO MATTER THE WEATHER.



SPECIFICATIONS

Gas Boosted Tank

Measurements (mm)	160L GAS	250L GAS	315L GAS	400L GAS
Tank Diameter (A)	540	648	648	731
Tank Height (B)	1502	1389	1682	1721
HW Outlet	1300	1167	1470	1464
PTRV Port	1300	1167	1470	1464
Top Sensor Port	1056	953	1196	1207
Solar Return Port	812	740	922	950
Bottom Sensor	497	457	548	562
Solar Flow	182	174	174	174
Cold Water Inlet	82	74	74	74
Dry Weight (kg)	61	86	98	130

For 26L Gas Continuous Flow specifications and warranty information refer to page 5.

Roof Collector

Measurements (mm)			Dry Weight	
Collector	Width (A)	Length (B)	WO/Tubes	W/Tubes
22 Tubes	1636	2025	20kg	85kg
30 Tubes	2196	2025	24kg	112kg

Dry weights based on 3 track flush mount frame.

Selecting the right unit for you

	160L	250L	315L	400L
No. People	1-2	3-5	4-6	5-9
No. Tubes	22	22	30	44
Gas Booster	26L	26L	26L	26L

Tubes

Tank

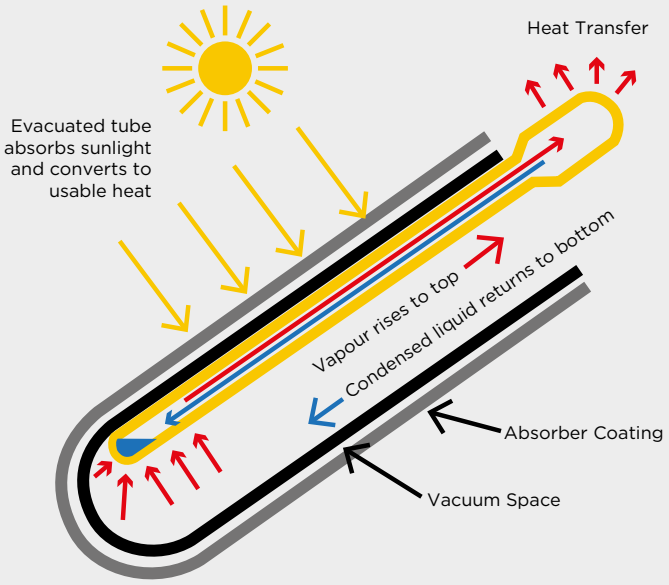
Parts and Labour

EVACUATED TUBE SOLAR
HOW IT WORKS

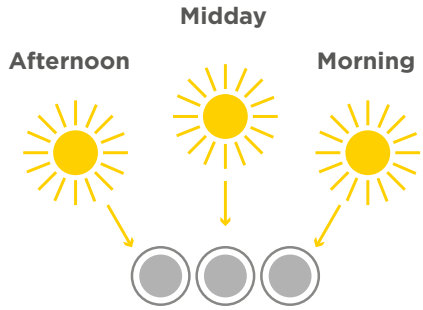
STEP 1
The sunlight strikes the dark absorber coating inside the tube.

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.

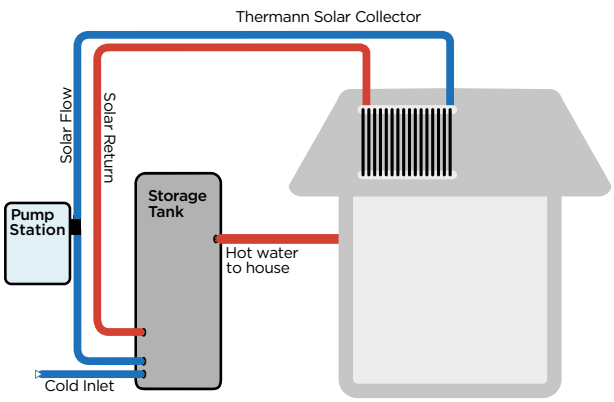


PASSIVE SUN TRACKING
The round tube design of the system passively tracks the sun throughout the day giving the highest possible performance from early morning through to late afternoon.

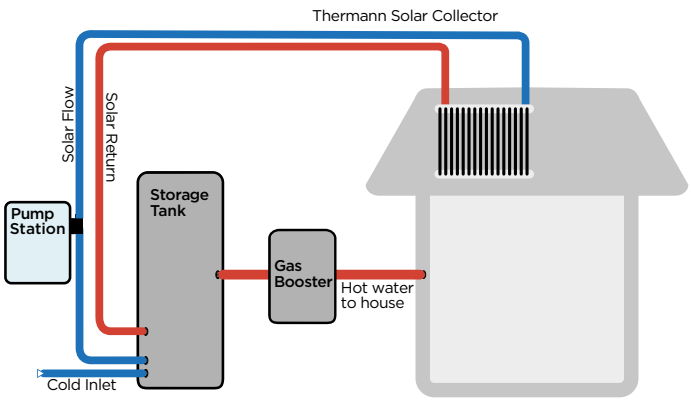


ELECTRIC & GAS SETUPS

Electric Booster



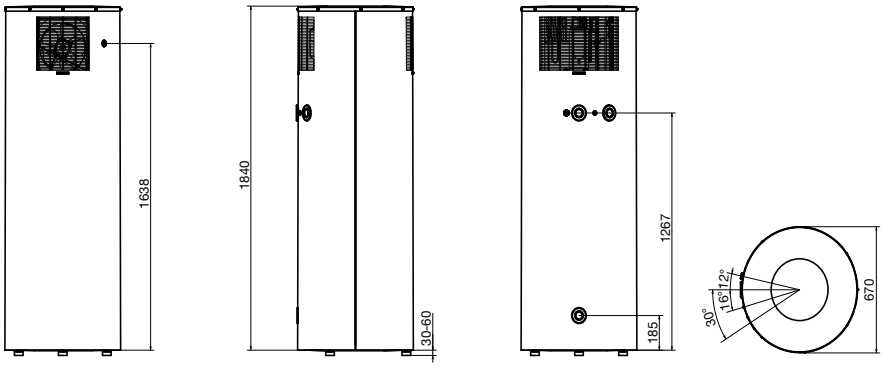
Gas Booster



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

HEAT PUMP
HOT WATER SYSTEM

MADE IN GERMANY, THE THERMANN HEAT PUMP EXTRACTS HEAT FROM AMBIENT AIR AND QUIETLY TRANSFERS IT TO HEAT WATER. IT COMES WITH A REMOVABLE INTAKE GRILL FOR EASY CLEANING AND SERVICING WHERE ACCESS IS LIMITED.



SPECIFICATIONS

Heat Pump

Heat output	kW
Heat output at A15/W15-55	1.7
Power consumption	**kW**
Consumption at A15/W15-55	0.5
Sound data	**dB(A)**
Sound pressure level at 1m distance in a free field	56
Energy data	**kWh**
Standby energy consumption/24h at 65°C (Air 15°C)	1.14
Electrical details	
Fuses	C 10 A
Rated voltage	240V
Phases	1/N/PE
Frequency	50Hz
Rated current	2.5 A
Max. power consumption	700W

* ECV not supplied

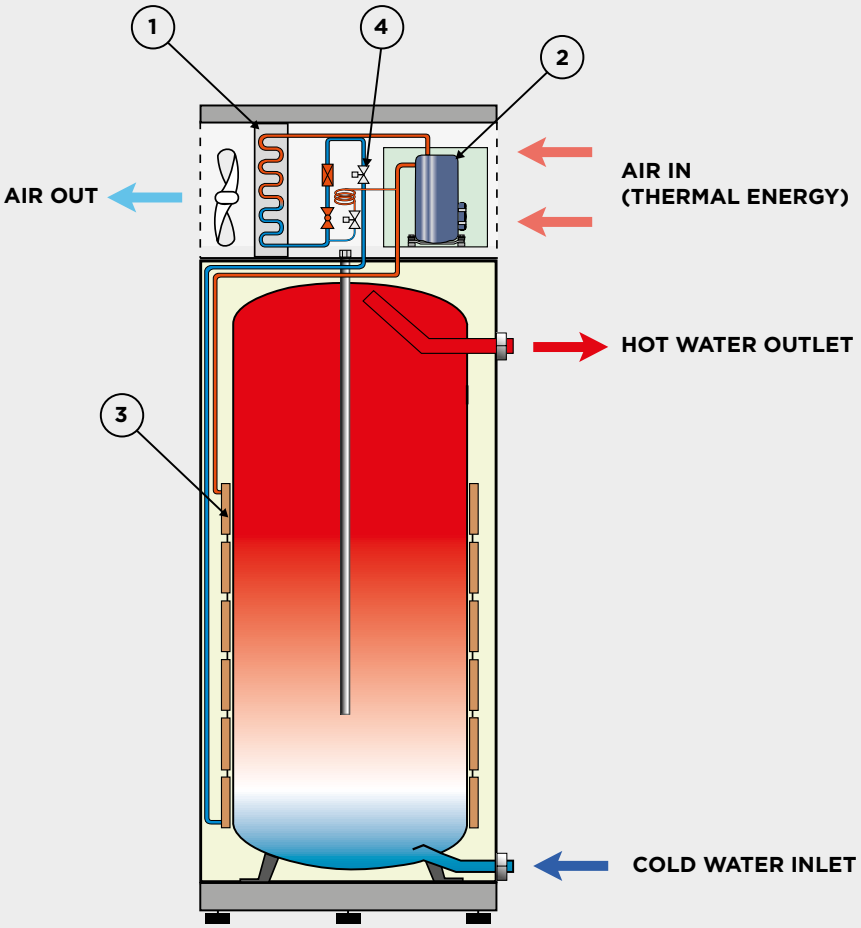
Dimensions	
Capacity (litres)	300
Relief valve pressure (kPa)	700
Expansion control valve setting* (kPa)	550
Max Supply Pressure - without an ECV (kPa)	500
Max Supply Pressure - with an ECV (kPa)	420
Minimum water pressure (kPa)	200
Dimensions	**mm**
Height of unit when tilted	1990
Height (adjustable feet)	1870-1900
Diameter	670
Weights	**kg**
Weight (dry)	125
Weight (wet)	428
Connections	**mm**
Condensate drain	20
Water connection	RP3/4" (20mm)
Values	
Air flow rate	550 m3/h
Lower air temperature limit	0°C
Upper air temperature limit	42°C

5 YEAR QUALITY GUARANTEE
Cylinder

2 YEAR QUALITY GUARANTEE
Parts and labour

HEAT PUMP
HOT WATER SYSTEM

HOW IT WORKS



1. A fan draws air through an evaporator. Thermal energy within the air is transferred to a liquid refrigerant causing it to change into a gas.

2. The refrigerant gas is then drawn into a compressor which increases the pressure and as a result increases the temperature.

3. A condenser (heat exchanger) then transports the hot gas refrigerant around the outside of the water tank. This heats the water inside the tank and the gaseous refrigerant reverts into a liquid.

4. The pressure of the refrigerant is reduced as it goes through an expansion valve and returns to the evaporator for the process to start again.

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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

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