

SONHA

WATER HEATING ECOSYSTEM



SONHA

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**Product
catalog**



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OVERVIEW



Sonha Group is a leading Vietnamese multidisciplinary company that manufactures and distributes household and industrial products, provides water treatment and clean water solutions, and develops clean energy technologies.

Established in 1998, Sonha Group has consolidated Vietnamese market leadership and exported its products to more than 30 countries in the world. Sonha Group's Products are manufactured following the highest quality standards according to the globally recognized ISO 9001:2015. Sonha is also recognized as a National Brand and is the only Vietnamese company certified to PED standards by TUV (German).

Sonha Group now has 9 factories in Vietnam, 1 factory in India and 1 factory in Myanmar with a total area over 250,000 m². All factories have received investment to operate at a large scale with advanced technology that meet production and business requirements. Sonha Group is now the ideal partner for both end users and professionals in not only Vietnam but many countries around the world. Sonha products also come with IEC 60335-1/-2-21 + AMD international electrical safety standard for household appliances.

16

MEMBER COMPANIES

20.000

SELLING POINTS NATIONWIDE

80

DISTRIBUTORS

EXPORT TO OVER

30+

NATIONS IN THE WORLD

11

PLANTS

01 PLANT
in Myanmar

01 PLANT
in India

09 PLANTS
in Vietnam

Sonha by your side

Dear Valued Partner,

For more than 25 years, Sonha International has combined manufacturing expertise with a commitment to creating long-term value for partners around the world. Through advanced production facilities, integrated OEM and ODM services, and a comprehensive water ecosystem product portfolio, we help businesses bring high quality products to market efficiently, reliably, and at scale.

From product development and engineering to quality control and global logistics, our goal is to simplify the manufacturing process, support growth, and help strengthen your brand.

At Sonha, we believe successful partnerships are built on trust, consistency, and shared ambition. We look forward to working with you and building the next success story together.

Best Regards,

6 STEPS TO PROFESSIONAL OEM EXECUTION

An optimized process combining manufacturing expertise, quality control, and dedicated customer support.



01

CONSULTATION

Review inquiries and requirements, analyze products against international and market standards, then prepare the quotation.



02

OEM ENGINEERING & SAMPLE

Confirm product specifications, customize branding and packaging, then develop and approve the golden sample.



03

ORDER CONFIRMATION

Process purchase orders, confirm Incoterms and pricing, then review and sign the sales contract.



04

MANUFACTURING

Audit imported materials, conduct factory quality control, proceed with bulk production and perform online testing.



05

FINAL INSPECTION:

Inspect finished products, complete overall quality control and transfer approved goods to the warehouse before loading.



06

GLOBAL DELIVERY & AFTER-SALES

Conduct freight bidding and loading inspection, arrange worldwide shipping, and provide technical and warranty support.

QUALITY STANDARDS

Certified to European Electrical Safety Standards for Storage Water Heaters
 Certified to International Electrical Safety Standards for Storage Water Heaters
 ISO Certified Manufacturing Plant

EUROPEAN CERTIFICATIONS AND CERTIFICATION BODIES FOR ELECTRICAL SAFETY STANDARDS OF STORAGE WATER HEATERS



ISO CERTIFICATION FOR MANUFACTURING FACTORY



QCVN CERTIFICATION FOR WATER HEATER PRODUCTS



PRODUCTION PROCESS

Inner tank manufacturing

The inner tank is manufactured from qualified materials through cutting, pressing, forming, welding and leakage testing process.



PU insulation injection

High-density polyurethane (PU) foam is injected into the gap between the inner tank and outer casing to maximize heat retention.



Inner tank enameling

Raw inner tank is cleaned before going to enamel coating procedure which includes 3 steps: sanding, enameling, drying by Industrial furnace.



Electrical installation

Electrical components are installed and thoroughly tested to ensure safety and stable operation.



Inner tank

The heating element is installed, and the tank undergoes a final leakage test before proceeding to assembly.



Quality control

The OQC department conducts 100% electrical testing to ensure compliance and applies a "QC Pass" sticker before product packaging.



Tank & outer casing assembly

The inner tank is precisely assembled into the outer casing following strict technical standards to ensure accuracy and reliability.



Final inspection & packaging

Each unit undergoes a comprehensive final inspection, cleaning, and automated packaging before shipment.





STORAGE WATER HEATER



DARIA



SHI



LUMIX



DARIA DIGITAL



DARIA BIG CAPACITY

DARIA SERIES

A next-generation storage water heater combining superior durability with uncompromising safety. Featuring a premium enamel-coated steel tank, versatile heating element options, and capacities from 15L to 30L - a flexible solution fully compliant with global OEM/ODM requirements.



STORAGE WATER HEATER

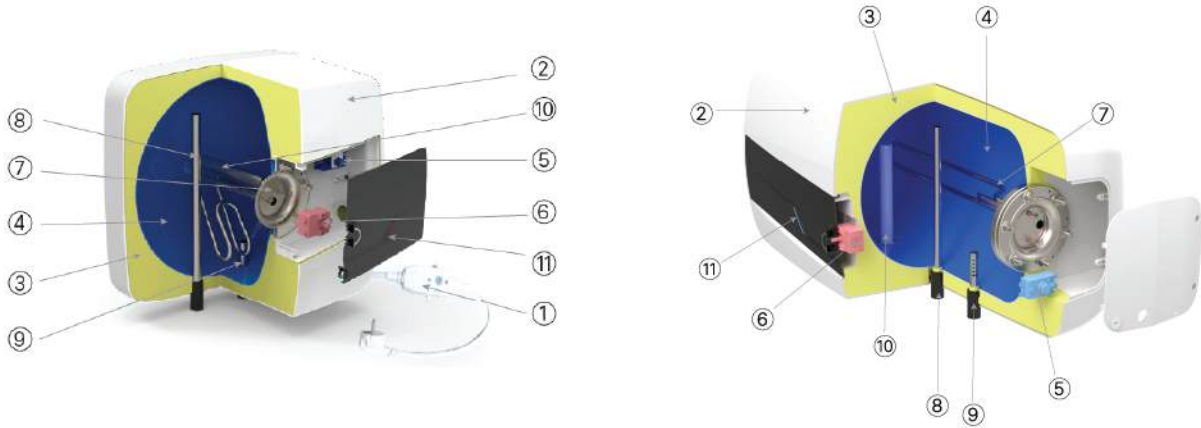
					
Model	DAR20N	DAR30N	DAR15V	DAR20V	DAR30V
Type	Slim		Square		
Capacity (Liters)	20	30	15	20	30
Net weight (Kg)	11.5	14	9	10	14
Loading 40HQ	15L: 810 PCS/20L: 680 PCS/30L: 575 PCS		15L: 810 PCS/20L: 680 PCS/30L: 575 PCS		
Power	1500W/2000W/2500W		1500W/2000W/2500W		
Voltage/Frequency	220-230V/50Hz or 110-127V/50Hz		220-230V/50Hz or 110-127V/50Hz		
Inner tank	Enamel-coated steel		Enamel-coated steel		
Maximum water temperature	75±3°C		75±3°C		
Other	Incoloy 840 with enamel coating/Copper/SS316, 02 single thermostat, Insulation: polyurethane, max pressure 0.75 MPa, ELCB cord – plug		Incoloy 840 with enamel coating/Copper/SS316, 02 single thermostat, Insulation: polyurethane, max pressure 0.75 MPa, ELCB cord – plug		

● DARIA SERIES



Capacity 15L | 20L | 30L

PRODUCT STRUCTURE

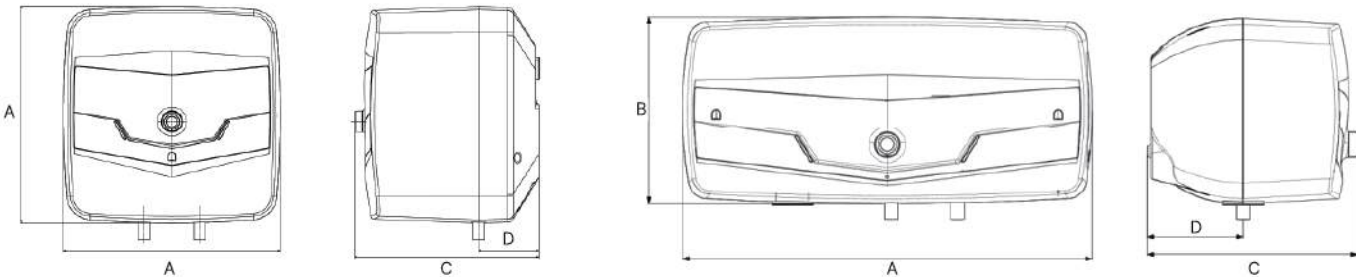


- 01. ELCB (With or Without)
- 02. Front cover
- 03. Insulation layer
- 04. Enamel-coated inner tank
- 05. Safety relay
- 06. Temperature control relay

- 07. Heating element
- 08. Water outlet
- 09. Water inlet
- 10. Magnesium bar
- 11. Signal light

PRODUCT DIMENSIONS

MODEL	A	B	C	D
DAR15V	388	418	330	108
DAR20V	388	418	358	108
DAR30V	436	488	378	115
DAR20N	620	307	319	145
DAR30N	670	350	360	185



Thermowatt® incoloy 840 element
Italian heating element with superior corrosion resistance and long-lasting performance.

High-density insulation
High-density polyurethane foam reduces heat loss and improves energy efficiency.

ELCB protection
Automatically cuts off power in case of electrical leakage for enhanced safety.

Dual thermostat
Prevents overheating and dry heating for safe and reliable operation.

Wet enamel / titanium coated tank
Wet titanium enamel prevents corrosion and scaling, ensuring high pressure resistance and maximum durability.

Pressure relief valve
Automatically releases excess pressure to ensure safe and stable operation.

SONHA SERIES

A perfect combination of refined design and exceptional durability. Available in versatile square and horizontal form factors, featuring an enamel-coated steel inner tank and optimized insulation technology-delivering a safe, stable hot water solution that elevates any bathroom space.



BSTORAGE WATER HEATER

				 	 	
Model	S15NE	S20NE	S30NE	S15VE	S20VE	S30VE
Type	Slim			Square		
Net weight (kg)	10.5	11.5	14	9	10	14
Loading 40HQ	15L: 810 PCS/20L: 680 PCS/30L: 575 PCS			15L: 810 PCS/20L: 680 PCS/30L: 575 PCS		
Power (W)	1500W/2000W/2500W			1500W/2000W/2500W		
Voltage/Frequency	220-230V/50Hz			220-230V/50Hz		
Inner tank	Enamel-coated steel			Enamel-coated steel		
Maximum water temperature	75±3°C			75±3°C		
Other	Incoloy 840 with enamel coating/Copper/SS316, 02 single thermostat, Insulation: polyurethane, max pressure 0.75 MPa, ELCB cord – plug			Incoloy 840 with enamel coating/Copper/SS316, 02 single thermostat, Insulation: polyurethane, max pressure 0.75 MPa, ELCB cord – plug		

SONHA SERIES



Capacity 15L | 20L | 30L

European safety protection

ELCB and dual thermostats ensure safe and reliable operation.

Fast heating

High-performance heating element delivers quick and efficient heating.

Blue enamel tank

Superior corrosion protection for extended tank lifespan.

High-density PU insulation

Excellent heat retention with improved energy efficiency.

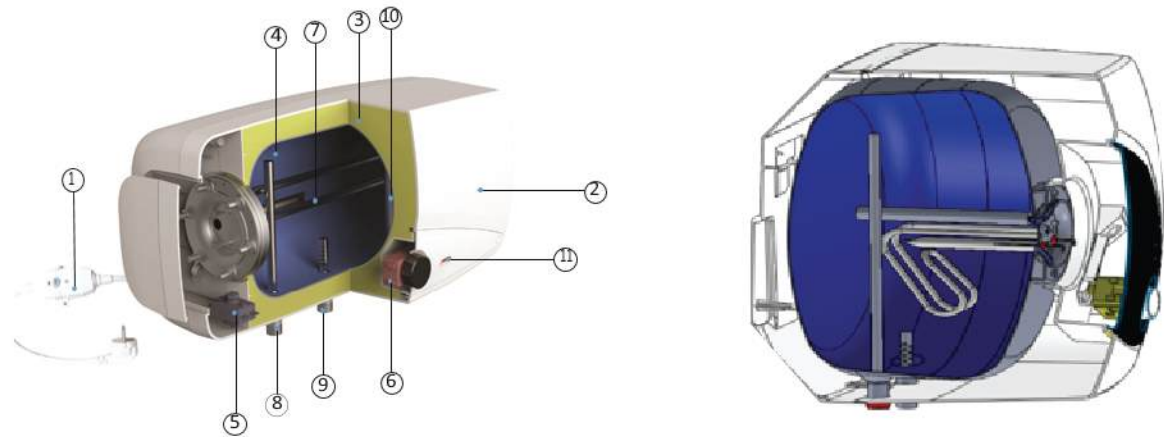
Precision manufacturing

Advanced welding technology ensures durability and leak-free performance.

Modern compact design

Space-saving design for flexible installation.

PRODUCT STRUCTURE



01. ELCB

02. Front cover

03. Insulation layer

04. Inner tank
05. Safety relay

06. Heat control relay

07. Heating element

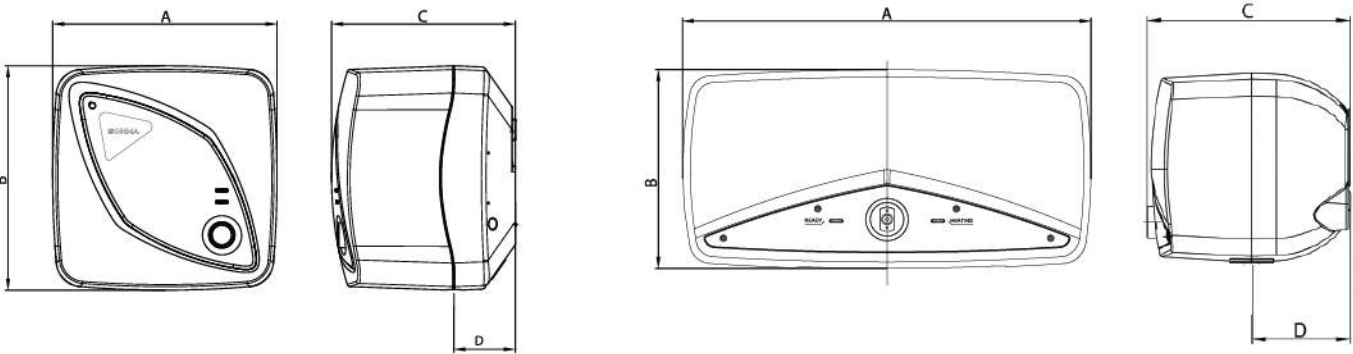
08. Water outlet
09. Water inlet

10. Magnesium bar

11. Signal light

PRODUCT DIMENSIONS

MODEL	A	B	C	D
S15NE	535	268	300	140
S20NE	633	288	318	150
S30NE	673	330	368	182
S15VE	390	390	320	108
S20VE	390	390	358	108
S30VE	460	460	370	115



● LUMIX SERIES

A compact, space-saving cylindrical design without compromising performance. Equipped with a durable enamel-coated steel tank, excellent thermal retention, and available in capacities from 15L to 30L and fully customizable.



				
Model	LUMIX 15	LUMIX 20	LUMIX 30N/LUMIX 30NS	LUMIX 30D/LUMIX 30DS
Type	Cylinder		Cylinder	
Net weight (Kg)	15		20	30
Loading 40HQ	15L: 810 PCS/20L: 680 PCS/30L: 575 PCS		15L: 810 PCS/20L: 680 PCS/30L: 575 PCS	
Power (W)	1500W/2000W/2500W		1500W/2000W/2500W	
Voltage/Frequency	220-230V/50Hz		220-230V/50Hz	
Inner tank	Enamel-coated steel		Enamel-coated steel	
Maximum water temperature	75±3°C		75±3°C	
Other	Incoloy 840 with enamel coating/Copper/SS316, 02 single thermostat, Insulation: polyurethane, max pressure 0.75 MPa, ELCB cord – plug		Incoloy 840 with enamel coating/Copper/SS316, 02 single thermostat, Insulation: polyurethane, max pressure 0.75 MPa, ELCB cord – plug	

LUMIX SERIES



Product series 50L | 100L
Vertical wall-mounted installation



Product series 13L | 20L | 30L
Horizontal wall-mounted installation

Compact cylinder design

Space-saving design for flexible wall-mounted installation.

Blue enamel tank

Superior corrosion resistance for extended tank durability.

Dual-level thermostat

Auto shut-off for overheating and dry heating protection, ensuring safety.

High-density PU insulation

Excellent heat retention for improved energy efficiency.

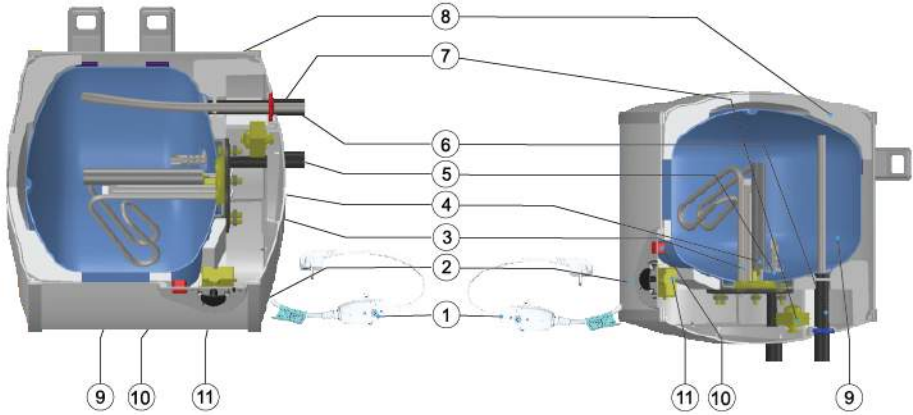
ELCB safety protection

Enhanced protection against electrical leakage and overheating.

OEM/ODM-ready

Flexible branding, packaging, and specification customization.

PRODUCT STRUCTURE

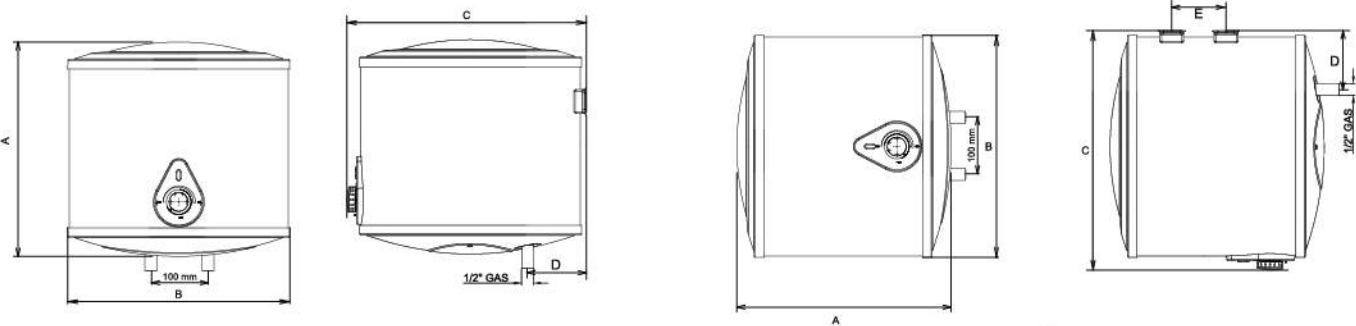


01. ELCB
02. Front cover
03. Heating element
04. Magnesium anode rod
05. Cold water inlet
06. Hot water outlet
07. 93°C thermostat
08. Insulation layer
09. Inner tank
10. Heating indicator light
11. 75°C thermostat

PRODUCT DIMENSIONS

MODEL	A	B	C	D
15L	535	268	300	140
20L	633	288	318	150
30L (D)	673	330	368	182
30L (D5)	390	390	320	108

MODEL	A	B	C	D
15L	535	268	300	140
20L	633	288	318	150
30L (D)	673	330	368	182
30L (D5)	390	390	320	108



● DARIA MAX SERIES

The DARIA big capacity series is designed to deliver a reliable hot water supply for high-demand residential and commercial applications. Available in 50L, 80L, and 100L capacities, it combines a durable enamel-coated steel tank, efficient heating performance, and advanced safety features to meet diverse international market requirements.



			
Model	DTL-1110 (450pcs/40HQ)		DTL-1130 (240pcs/40HQ)
Capacity	50		100
Voltage	220-230V/50Hz or 110-127/50Hz		220-230V/50Hz or 110-127/50Hz
Power	800W/1200W/2000W/2500W		800W/1200W/2000W/2500W
Maximum water temperature	75±3°C		75±3°C
Inner tank	Enamel-coated steel		Enamel-coated steel
Pressure	Pressure resistance: 0.75 MPa (7.5 bar)		Pressure resistance: 0.75 MPa (7.5 bar)
Other	Heating element: Copper/SS316/Incoloy 840, Magnesium rod, ELCB		Heating element: Copper/SS316/Incoloy 840, Magnesium rod, ELCB

DARIA MAX SERIES



Product series 50L | 80L | 100L
Vertical wall-mounted installation



Product series 50L | 80L | 100L
Horizontal wall-mounted installation

Large capacity

Available in 50L, 80L, and 100L for continuous hot water supply.

Blue enamel tank

Enamel-coated steel tank provides excellent corrosion resistance and durability.

Analog temperature display

Allows users to easily monitor the water temperature inside the tank.

High-density PU insulation

Excellent heat retention for improved energy efficiency.

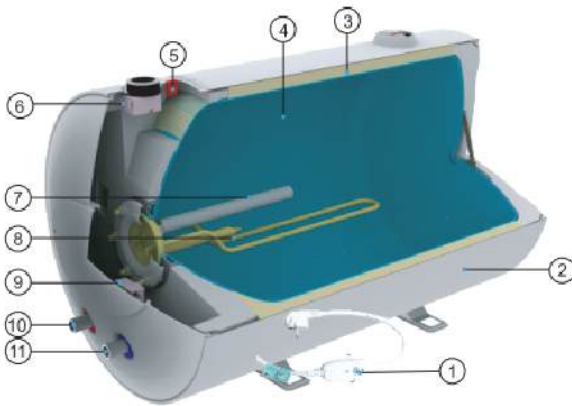
Advanced safety protection

ELCB and thermostat protection ensure safe and reliable operation.

High pressure resistance

Designed to withstand working pressure up to 0.75 MPa (7.5 bar).

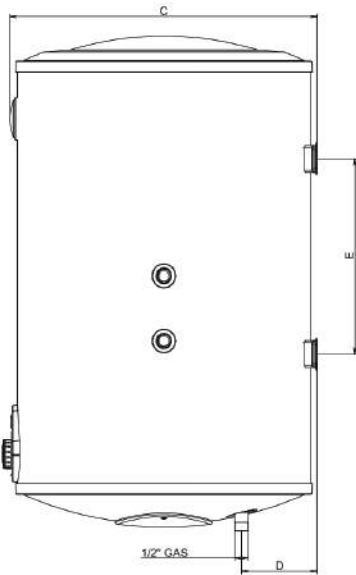
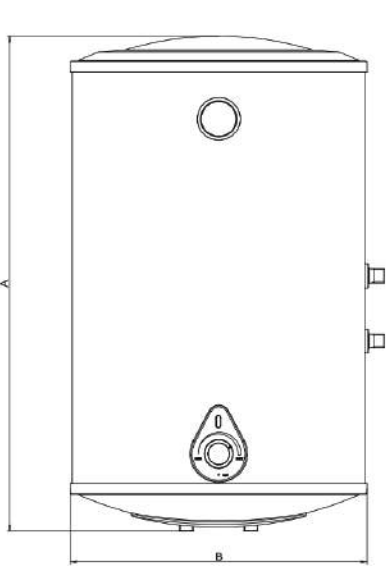
PRODUCT STRUCTURE



01. ELCB wire
02. Enamel coating cover
03. PU insulation
04. Inner tank
05. Indicator light
06. Temperature control relay
07. Magnesium bar
08. Heating element
09. Safety relay
10. Outlet pipe
11. Inlet pipe

PRODUCT DIMENSIONS

MODEL	A	B	C	D	E
DTL1110	704	380	406	102	300
DTL1120	764	450	476	117	370
DTL1130	908	450	476	117	370



● DARIA DIGITAL SERIES

The DARIA digital series features smart digital controls, reliable heating performance, and advanced safety protection. Designed for modern lifestyles, it combines convenience, durability, and flexible OEM customization for international markets.



STORAGE WATER HEATER

		
Model	DARDI20N	DARDI15V
Type	Slim	Square
Capacity (Liters)	20	15
Net weight (Kg)	11.5	9
Power (W)	1500W/2000W/2500W – Incoloy 840/SS316	1500W/2000W/2500W – Incoloy 840/SS316
Voltage/Frequency	220-230V/50Hz	220-230V/50Hz
Inner tank	Enamel-coated steel	Enamel-coated steel
Maximum water temperature	75±3°C	75±3°C
ELCB	Yes	Yes
Other	Digital display, mechanical control	Digital display, touch button

● DARIA DIGITAL SERIES



Product series 20L



Product series 15L | 20L

Temperature display

Displays the exact water temperature inside the tank.

High-density PU insulation

Excellent heat retention, enhancing energy efficiency.

Blue enamel tank

Superior corrosion resistance to prolong tank life.

ELCB safety protection

Enhanced protection against electrical leakage and overheating.

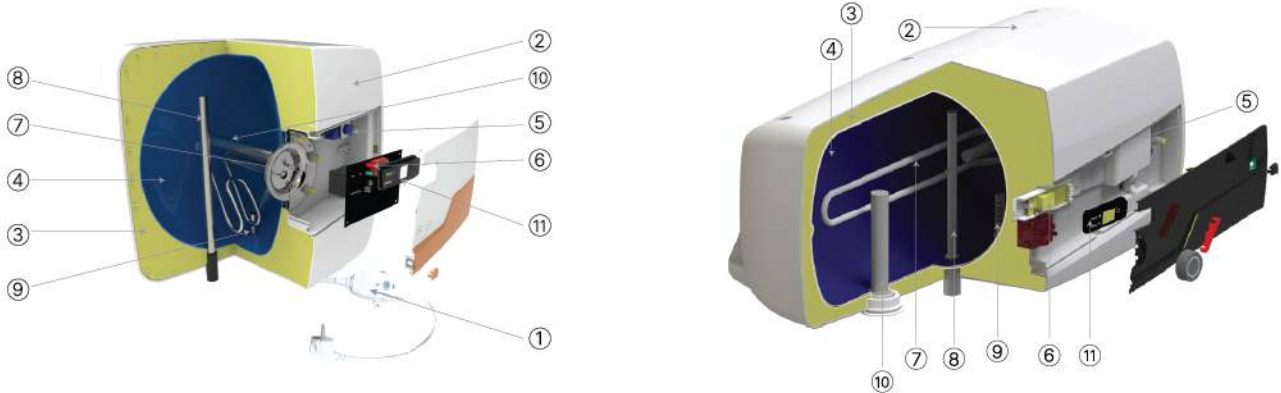
Remote control

Allows users to adjust settings remotely without using the manual control knob.

OEM/ODM-ready

Flexible customization for branding, packaging, and technical specifications.

PRODUCT STRUCTURE



01. ELCB power cord

02. Front cover

03. Insulation layer

04. Inner tank
05. Safety relay

06. Digital circuit board

07. Heating element

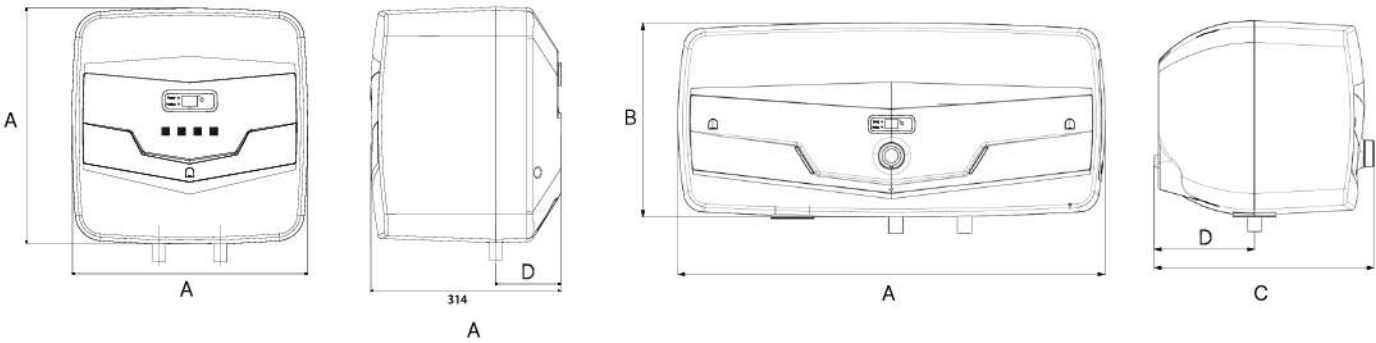
08. Water outlet
09. Water inlet

10. Magnesium bar

11. Temperature display

PRODUCT DIMENSIONS

MODEL	A	B	C	D
DARDI15V	388	418	330	108
DARDI20N	620	307	319	145





INSTANT WATER HEATER



DAR-1031



SH-1051



DAR-1041



SH-1061



Model	DAR-1031	DAR-1041
Material	ABS	
Rated voltage	220-230V/50Hz	
Rated power	4500W	
Maximum temperature	55°C	
Water flow rate	7.2L/minutes	
External dimensions	332 * 219 * 97.5	
Installation method	Wall-mounted	
Touch button	Yes	
Temperature display	No	
Pump	Yes	No



Model	SH-1051	SH-1061
Material	ABS	
Rated voltage	220-230V/50Hz	
Rated power	4500W	
Maximum temperature	55°C	
Water flow rate	7.2L/minutes	
External dimensions	344 * 230 * 82.5	
Installation method	Wall-mounted	
Touch button	Yes	
Temperature display	No	
Pump	Yes	No





Anti-shock integrated in the tank

Protected by a waterproof shell, ensuring safety when using direct electricity (ELCB).

Cut off the power supply in both phases

Cuts off the power supply when a fault is detected, ensuring user safety.

Anti-overheating mechanism

By intelligent algorithm and mechanical structure.

Indirect heating technology

To protect users from electric leakage.

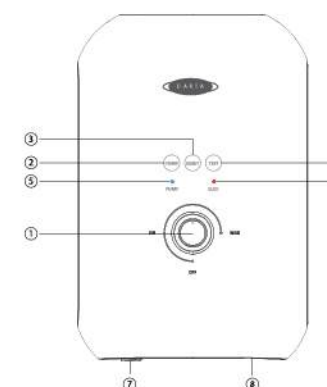
Water sensor

To stop the operation of the tank when there is no water flowing through.

Water-resistant certified casing

Premium housing prevents water ingress, fully protecting internal components.

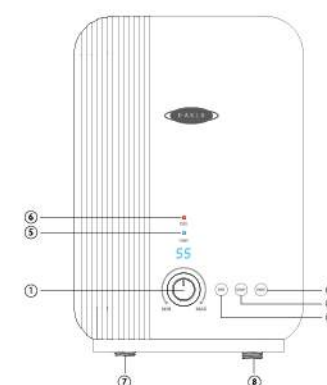
PRODUCT STRUCTURE



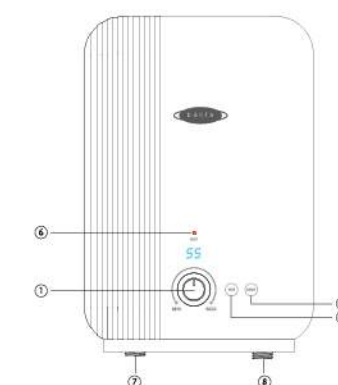
- 01. Rotary knob
- 02. Pump
- 03. Stop ELCB testing mode



- 04. Testing mode
- 05. Pump indicator light
- 06. ELCB light
- 07. Outlet pipe
- 08. Inlet pipe

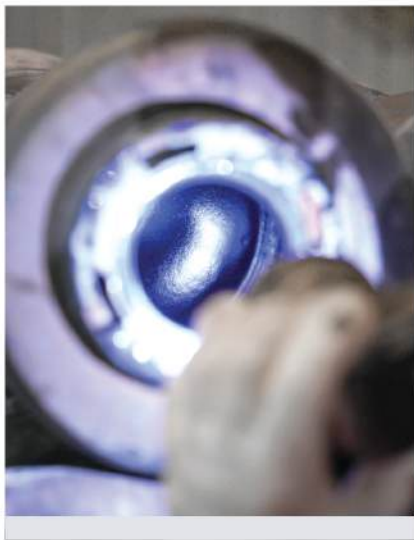


- 01. Rotary knob
- 02. Pump
- 03. Stop ELCB testing mode

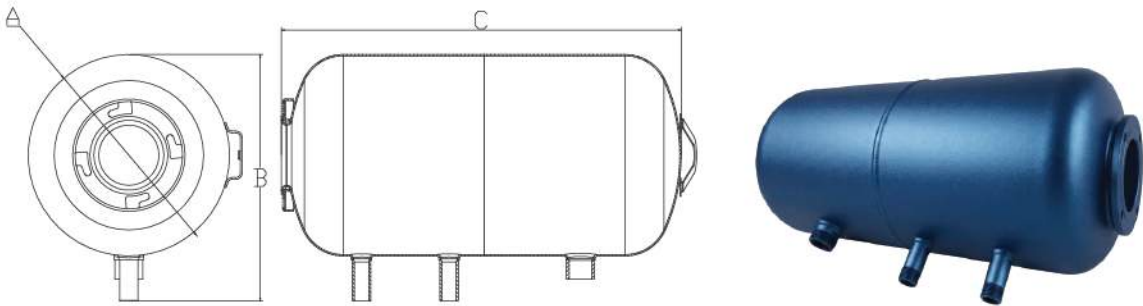


- 04. Testing mode
- 05. Pump indicator light
- 06. ELCB light
- 07. Outlet pipe
- 08. Inlet pipe

● ENAMEL-COATED STEEL INNER TANK
TECHNOLOGY FOR STORAGE WATER HEATERS 15L | 20L | 30L

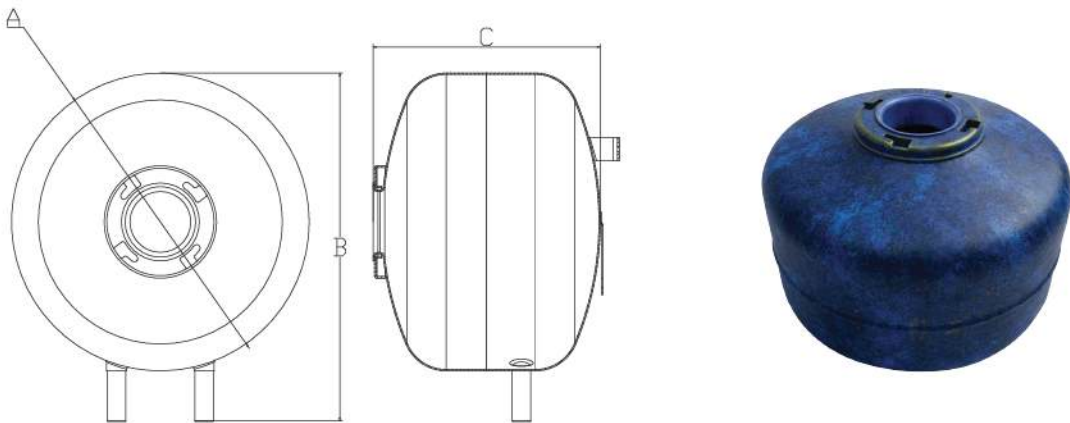


TECHNICAL SPECIFICATIONS



PRODUCT DIMENSIONS

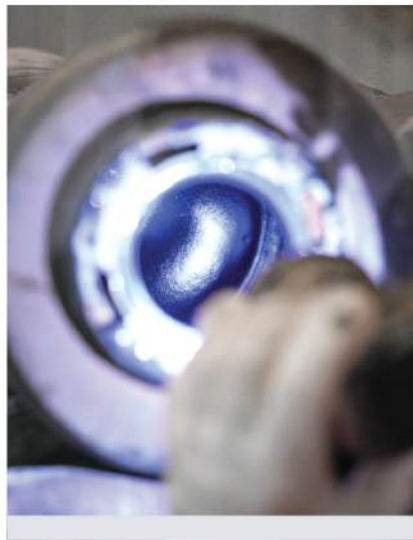
Type	SL15	SL20	SL30
Material	JSH270C-N Steel		
Dimensions (mm)	422 * 210 * 229.5	522 * 230 * 249	562 * 270 * 289
Thickness (mm)	1.5 - 1.8 mm		



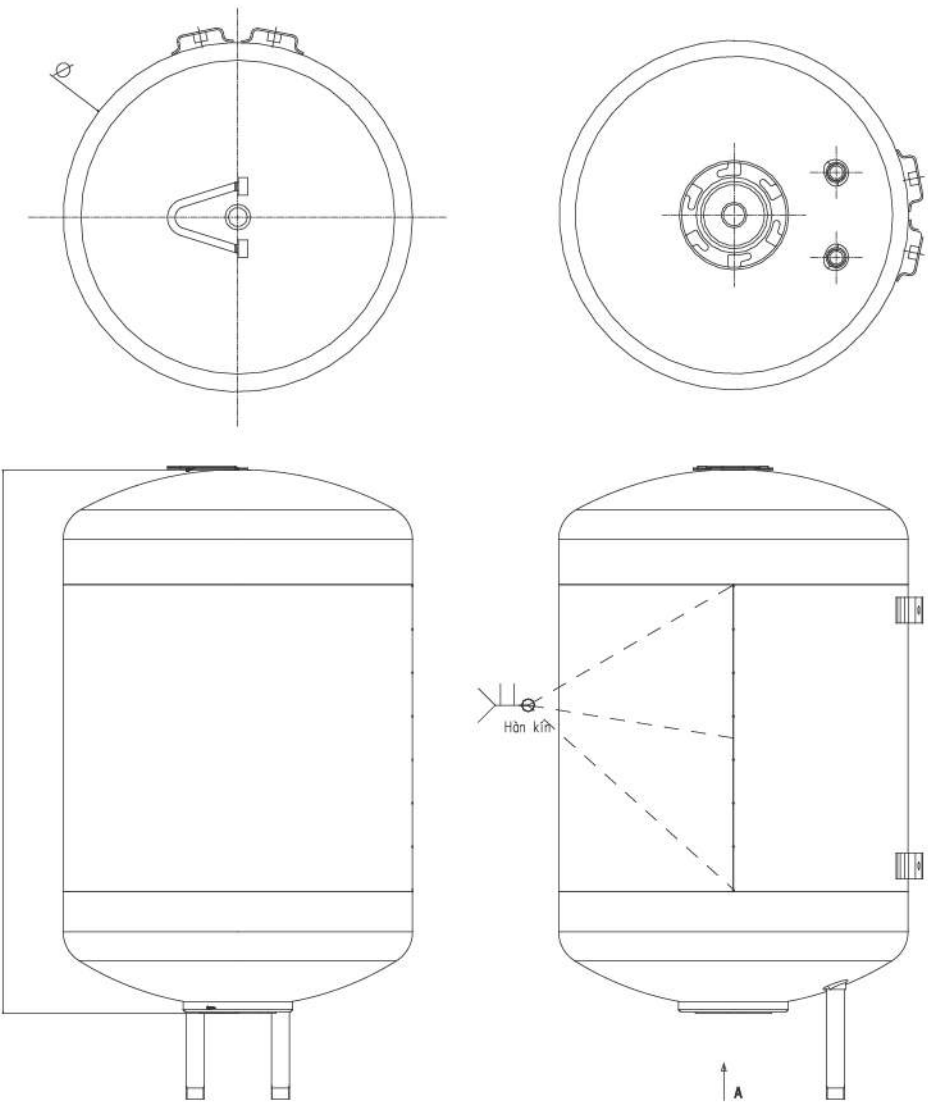
PRODUCT DIMENSIONS

Type	SQ15	SQ20	SQ30
Material	JSH270C-N Steel		
Dimensions (mm)	230 * 399 * 340	270 * 399 * 340	280 * 469 * 410
Thickness (mm)	1.5 - 1.8 mm		

● ENAMEL-COATED STEEL INNER TANK
TECHNOLOGY FOR STORAGE WATER HEATERS 50L | 80L | 100L



TECHNICAL SPECIFICATIONS



PRODUCT DIMENSIONS

Type	50	80	100
Material	JSH270C-N Steel		
Dimensions (mm)	340 * 380 * 682	410 * 450 * 742.5	410 * 450 * 882
Thickness (mm)	1.5 - 1.8 mm		



HEAT PUMP WATER HEATERS

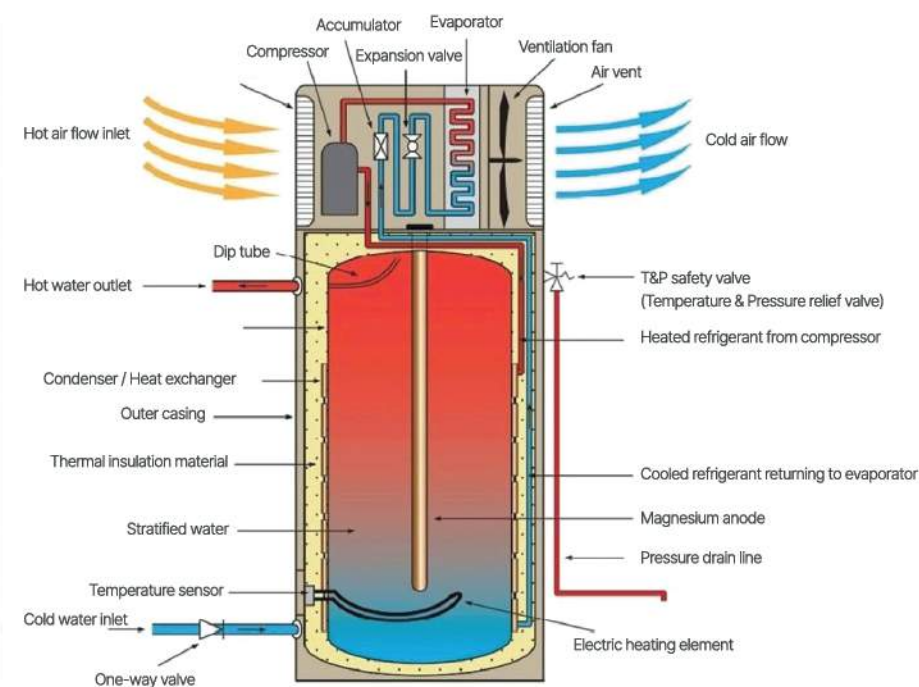


ALL IN ONE



SPLIT SYSTEM

● HEAT PUMP ALL IN ONE



HEAT PUMP WATER HEATER

TECHNICAL SPECIFICATIONS

Storage tank capacity	270L
Refrigerant type/mass	R290/450g
Rated power input (heat pump)	958W
Total power input (heat pump + heating element)	1992W
Heating capacity (heat pump)	2650W
Coefficient of performance (COP)	5.4
Rated voltage/Frequency	220-240V~, 50Hz
Rated current (heat pump)	4.1A
Total rated current	8.7A
Max. suction pressure	0.95MPa
Max. discharge pressure	3.0MPa
Default temperature setting	60° C
Noise level	42dB (A)
Net weight	114kg
Dimensions	653*1880
Waterproof rating	IPX4

Micro-channel technology

Maximizes heat transfer efficiency and accelerates heating speed.

High-efficiency inverter compressor

Provides rapid heating, durable operation, and maximum energy savings.

Ultra-quiet operation technology (silentcore)

Multi-layer soundproofing compartment combined with vibration reduction to eliminate noise.

Premium enamel-coated storage tank

Superior corrosion resistance with effective heat retention up to 96 hours.

Integrated & compact design

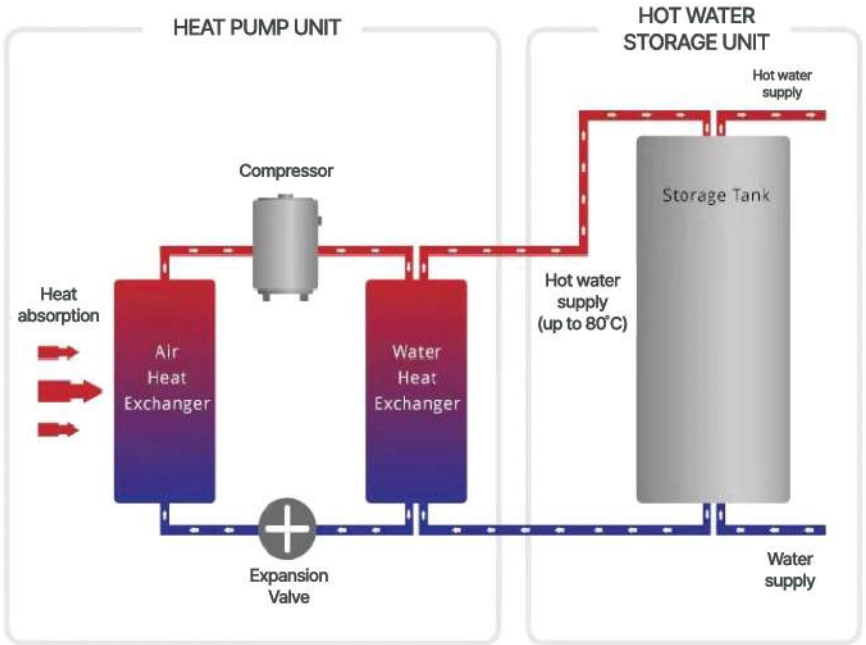
Sleek design that optimizes space and allows easy installation.

R290 refrigerant & smart control

Uses eco-friendly R290 refrigerant paired with a modern touch screen display.

● HEAT PUMP SPLIT SYSTEM

OPERATING PRINCIPLE DIAGRAM



High energy efficiency

Utilizes ambient heat, saving up to 70-80% electricity compared to conventional water heaters.

Cost-effective operation

High COP coefficient optimizes energy use and significantly reduces monthly electricity costs throughout the product's lifespan.

Eco-friendly

Heat pump technology lowers power consumption and minimizes CO₂ emissions.

Quiet operation

Low noise and minimal vibration, making it ideal for both residential and commercial applications.

Long lifespan

Operates reliably for 10 - 15 years, far outlasting standard water heaters.

Absolute safety

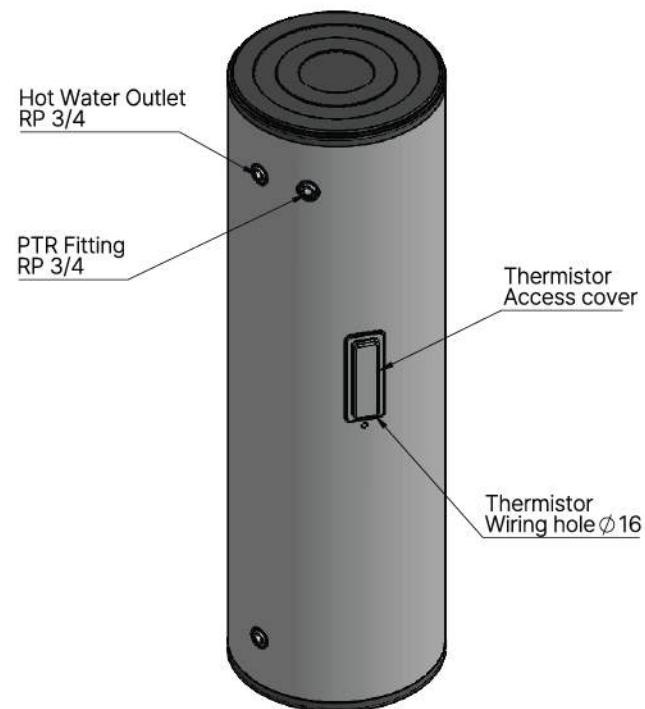
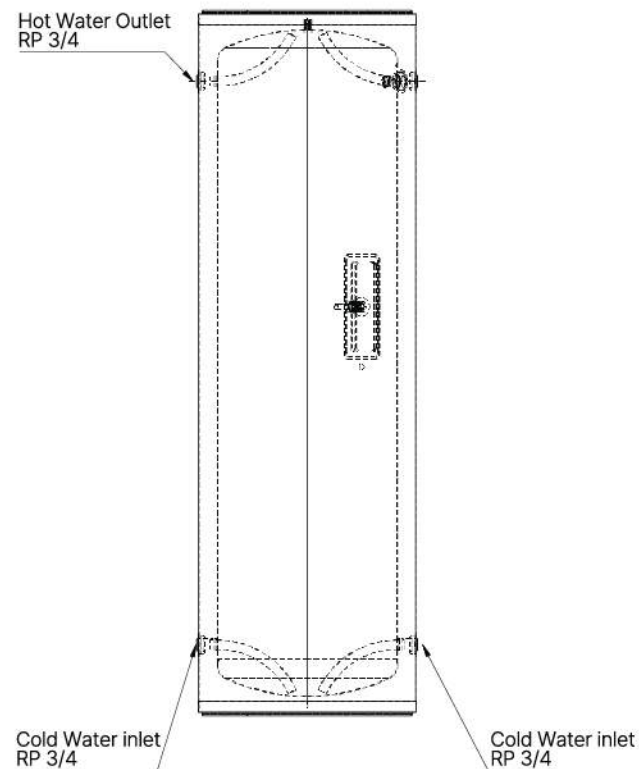
Does not use direct electrical heating elements in the water, completely eliminating risks of electrical leakage or explosion.



TECHNICAL SPECIFICATIONS

Model/Code		SH-1HP
Heating capacity	KW	3.525
Power consumption	KW	0.86
COP		4.2
Voltage/Frequency	V/Hz	220V-240V~50Hz
Average outlet water temp	°C	55°C
Max. outlet water temp	°C	60°C
Heating water flow rate	L/h	76
Refrigerant		R410A
Controller		Smart microprocessor
Dimensions	mm	966 * 560 * 350
Net weight (Kg)	Kg	56
Noise level	dB(A)	≤51
Fan		Internal-rotor motor, plastic blades
Operating ambient temp		(-10°C~43°C)
Water inlet pipe diameter		3/4"
Water outlet pipe diameter		3/4"
Configuration		Built-in wilo circulation pump / includes built-in wilo circulation pump

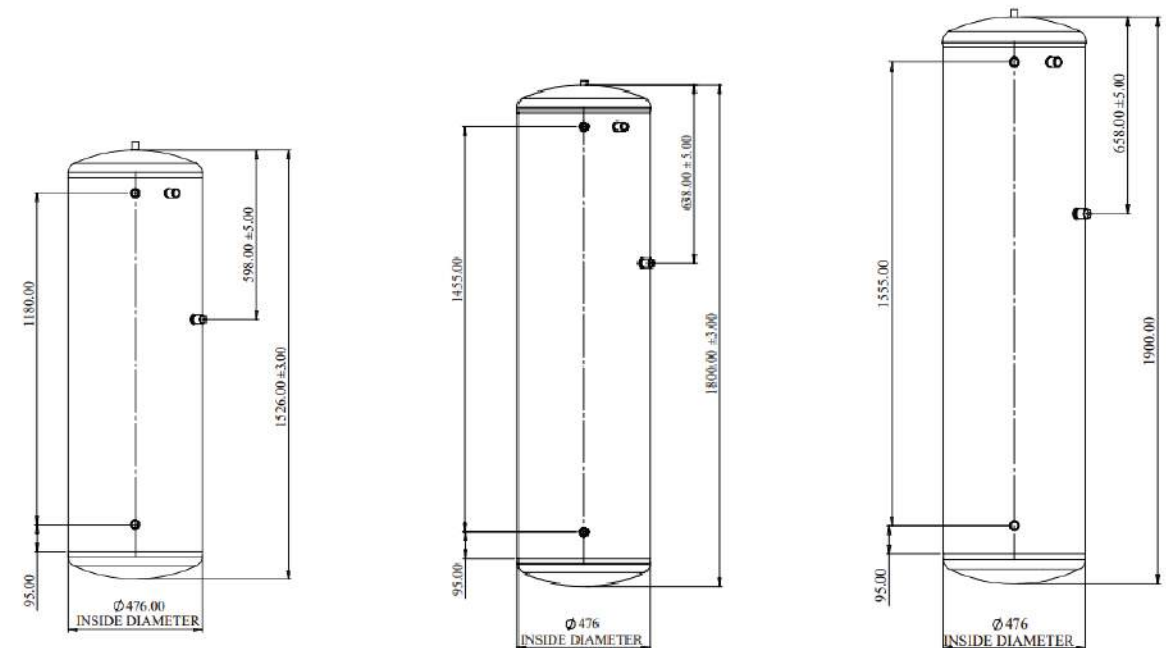
INSULATED WATER STORAGE
TANK FOR HEAT PUMP SYSTEM



AUSTRALIAN STANDARDS:
WaterMark AS3498, IAPMO Mark AS/NZS2712
certified.

INTERNAL QUALITY INSPECTION PROCESS:
Ensures compliance with international standards.

PRODUCT DIMENSIONS



TECHNICAL SPECIFICATIONS

Technical specifications	250 L	300 L	315 L
Total capacity	259 L	301 L	324 L
Max. working pressure	700 kPa	700 kPa	700 kPa
Inner tank	316 stainless steel, 1.5 mm thick	316 stainless steel, 1.5 mm thick	316 stainless steel, 1.5 mm thick
Outer casing	0.5mm galvanized steel	0.5mm galvanized steel	0.5mm galvanized steel
Top cover	0.45 mm powder-coated steel	0.45 mm powder-coated steel	0.45 mm powder-coated steel
Net weight (Kg)	46.5 $\pm$ 2 kg	52 $\pm$ 2 kg	57 $\pm$ 2 kg
PTR valve	700 kPa, RMC, Model HT503	700 kPa, RMC, Model HT503	700 kPa, RMC, Model HT503
Plastic cover accessories	SS304 Sensor Probe, Thermistor Sensor, Connector	SS304 Sensor Probe, Thermistor Sensor, Connector	SS304 Sensor Probe, Thermistor Sensor, Connector

