



THUIS
STROOM





Contents

- About us..... 4
- Why choose Thuis Stroom.....6
- Residential & Commercial R290 Heat Pumps.....8
- Production Insight..... 16
- Thuis Stroom Heat Pump Family.....26
- airExpert..... 28
- airTitan.....32
- airPremier..... 34
- airEco..... 36
- airSplit..... 38
- airTop.....42
- aquaTherm..... 44

Efficient,
sustainable
and affordable

ABOUT US

Thuis Stroom offers high-quality sustainable energy solutions for installers and suppliers. In light of the current energy crisis, particularly concerning gas usage, Thuisstroom provides solutions in the sale of advanced fully electric **R290 heat pumps**. Enjoy maximum comfort with our heat pumps, which are easy to install and operate via a convenient app and a color touchscreen that can be remotely controlled.

We offer the new generation of fully electric heat pumps. Using this advanced technology, users can enjoy an unparalleled level of comfort at minimal costs. The fully electric **R290 heat pump** is widely regarded as the future standard, thanks to its impressive efficiency and environmental friendliness.

This trend-setting solution appeals to both households and businesses that are committed to sustainability and long-term cost savings.





Why choose Thuis Stroom?



Practically free

Through RVO subsidies and our competitive pricing, the costs of purchasing R290 heat pumps are practically covered.



Energy class: A+++

Our R290 heat pump is classified with an A+++ energy label, indicating the highest level of energy efficiency. This means that the system is very efficient in using energy, resulting in lower energy costs for your customers and a reduced ecological footprint.



High-quality materials

Our R290 heat pumps are suitable for the Dutch climate and carry the CE mark and TÜV certification. Reliability is guaranteed, regardless of the season. With hot water up to 75°C, they are ideal for less well-insulated homes. Discover for yourself how our heat pumps make a difference in your home!



COP value 5

With a COP value of 5, our heat pumps deliver five times more heat energy than the energy they consume. This means they are highly efficient and can result in significant savings on your energy bill.

Short delivery times

Thanks to our extensive stock in our warehouse here in the Netherlands, we can guarantee a delivery time from 3 working days. We aim to process and dispatch your order as quickly as possible, so you can benefit from our high-quality heat pumps.



Eco-friendly

We offer the most efficient and environmentally friendly heat pump products using natural refrigerant R290 propane. Our materials are of the highest quality, ensuring long life and sustainability.



Heats up to 75°C

Our Thuis Stroom heat pump is suitable for radiators due to its high temperature capability and provides enough hot water for comfortable showers. A practical choice for installers seeking efficient heating solutions for their customers.



Smart grid control

With our advanced cloud-based intelligence, heat pump installations can be easily managed. This innovative technology allows remote access to the systems, enabling temperature settings to be adjusted without needing to be on-site.



Warranty





We offer a 2-year warranty on all our products to installers, including a large stock of spare parts. This means that installers can rely on reliable support and service throughout the entire warranty period, enabling them to provide their customers with a worry-free experience.

R290 Residential Heat Pump



- ✓ R290 Refrigerant
- ✓ Energy Efficiency Label: A+++
- ✓ Sound Reduction Technology: Yes
- ✓ Heat Pump Type: All-in-One
- ✓ Material: ASA (Acrylonitrile Styrene Acrylate)
- ✓ Inverter Technology: Full DC
- ✓ Hot Water Supply: Up to 75°C | 25°C in cold climates
- ✓ Cloud Intelligent Control - DTU & WiFi Connection
- ✓ Water Heat Inverter: Full
- ✓ Communication Protocol: RS485 Modbus

Technical specifications







R290 Air Source All Electric Heat Pump				
Model:	Product Code	TS-HP12-290M-PH01 12 kW R290 Mono Phase	TS-HP12-290T-PH01 12 kW R290 Three Phase	TS-HP18-290T-PH01 18 kW R290 Three Phase
Heating Capacity	kW	5.40 ~ 14.95	5.40 ~ 14.95	8.00 ~ 22.00
Heating Power Input	kW	1.05 ~ 3.85	1.05 ~ 3.85	1.60 ~ 6.90
Cooling Capacity	kW	3.60 ~ 10.50	3.60 ~ 10.50	4.20 ~ 15
Cooling Power Input	kW	1.12 ~ 4.47	1.12 ~ 4.47	1.80 ~ 7.30
Hot Water Capacity	kW	6.50 ~ 18.50	6.50 ~ 18.50	10.00 ~ 27.00
Hot Water Power Input	kW	1.27 ~ 4.65	1.27 ~ 4.65	1.90 ~ 7.10
Max Power Input	kW	5.3	5.3	8.3
Max. Current Input	A	24.5	10.5	15
Power SUPPLY	/	220-240V~/50Hz	380-415V/3N~50Hz	380-415V/3N~50Hz
Compressor Quantity	/	1	1	1
Compressor Model	/	Rotary		
Fan quantity	/	1	1	2
Fan Power Input	W	170	170	75
Fan Rotate Speed	RPM	600	600	600
Water Pump Input	W	60	60	160
Noise	dB(A)	39-52	39-52	42-54
Water flow volume	m³/h	1.7	1.7	2.9
Water Connection	inch	1	1	1
Internal Water Pressure Drop	kPa	30	30	45
Water Head	m	5.5	5.5	6.9
Net Dimensions (L/W/H)	mm	See drawings of the heat pump		
Unit Shipping Dimensions (L/W/H)	mm	75/1290/810	75/1290/810	520/1410/950
Net Weight	kg	160	160	202
Shipping Weight	kg	168	168	234
SCOP(35)	/	4.9	4.92	4.91
BPIV(35)	/	8.368	8.215	11.105
SCOP(55)	/	3.76	3.78	3.7
BPIV(55)	/	7.983	8.169	10.919
SCOP(65)	/	3.11	3.07	3.09
BPIV(65)	/	6.571	6.556	9.818
 Rijksdienst voor Ondernemend Nederland		KA26316	KA26317	KA26315
Certifications	  			

R290 Residential Heat Pump



- ✓ Refrigerant: R290
- ✓ Energy Class: A+++
- ✓ Functions: Heating, Cooling, Hot Water
- ✓ Compressor and Fan Motor: Full DC-Inverter
- ✓ Maximum Outlet Temperature: 75°C
- ✓ Control: WiFi Smart Control
- ✓ Water Pump: Inverter (Inside)
- ✓ Communication Protocol: Modbus RS485

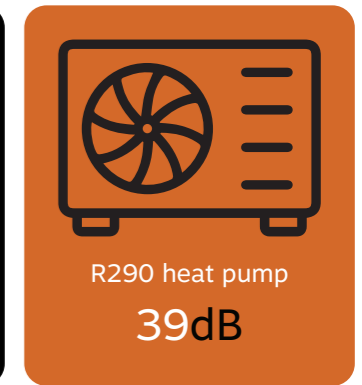
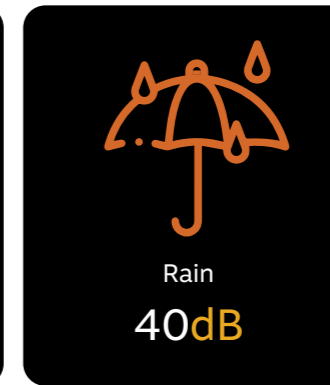
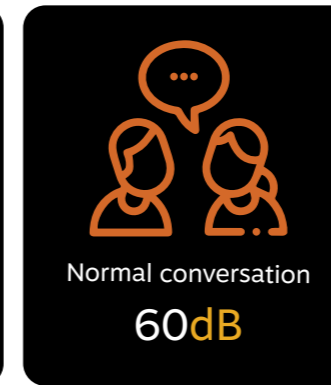
Technical specifications

R290 Air Source All Electric Heat Pump					
Features: - R290 refrigerant gas - Energy Class: A+++ - Heating+Cooling +Hot Water - Full DC inverter compressor and fan motor - Max outlet temperature: 75°C - Wifi smart control - Inverter water pump inside - Modbus RS485					
Model:	Product Code	<i>TS-HP12-290M-VS01</i> 12 kW R290 Mono Phase	<i>TS-HP12-290T-VS01</i> 12 kW R290 Three Phase	<i>TS-HP18-290T-VS01</i> 18 kW R290 Three Phase	
Loading qty. of 20GP/40GP/40HQ	Units	32/64/64	32/64/64	16/32/32 (32+32 smaller models on 2nd layer)	
Power Supply	V/Ph/Hz	220~240/1/50	380~415/3/50	380~415/3/50	
Nominal Heating (Max) (A7/6°C,W30/35°C)	Heating Capacity	kW	5.5 ~ 15.1	5.5 ~ 15.1	7.5 ~ 22.1
	Power Input	kW	1.08 ~ 3.9	1.08 ~ 3.9	1.5 ~ 6.8
	Current Input	A	4.5 ~ 17.0	1.8 ~ 6.9	2.7 ~ 12.3
Nominal Heating (Max) (A7/6°C,W47/55°C)	Heating Capacity	kW	5.03 ~ 13	5.0 ~ 13	7.0 ~ 18.9
	Power Input	kW	1.75 ~ 4.96	1.75 ~ 4.96	2.15 ~ 7.35
	Current Input	A	4.6 ~ 17.1	1.9 ~ 7.0	2.8 ~ 12.4
Nominal Cooling (Max) (A35/24°C,W12/7°C)	Cooling Capacity	kW	3.65 ~ 10.2	3.65 ~ 10.2	4.5 ~ 17.7
	Input Power	kW	1.12 ~ 4.16	1.12 ~ 4.16	1.80 ~ 7.30
	Input Current	A	4.8 ~ 17.3	2.0 ~ 7.8	3.3 ~ 12.9
ERP Level (Outlet water temp. at 35°C)	/	A+++			
Max. Input Power	kW	5.50	5.50	9.00	
Max. Input Current	A	24.50	10.50	16.00	
Refrigerant Type	/	R290			
Rated water flow	m³/h	1.80	1.80	3.00	
Fan quantity	/	1	1	2	
Fan motor type	/	DC inverter			
Compressor	/	DC inverter			
Circulating pump	/	Inverter type / Built-in			
IP Class	/	IPX4			
Sound pressure at 1m distance	dB(A)	44	44	48	
Max. outlet water Temp.	°C	75			
Water Piping Connections	inch	DN 25 (1")	DN 25 (1")	DN 32 (1-1/4")	
Water Pressure Drop	kPa	25	25	35	
Operating temperature range (Heating mode)	°C	-30~45			
Operating temperature range (Cooling mode)	°C	16~45			
Unpacked Dimensions (L×D×H)	mm	1285*455*930	1285*455*930	1285*455*1350	
Packed Dimensions (L×D×H)	mm	1450*530*1050	1450*530*1050	1450*530*1450	
UnPacked Weight	kg	110	110	145	
Packed Weight	kg	125	125	160	
	Rijksdienst voor Ondernemend Nederland	Code	KA26171	KA26172	KA26170
Subsidy	€	3.525	3.525	4.275	
Certifications		  			

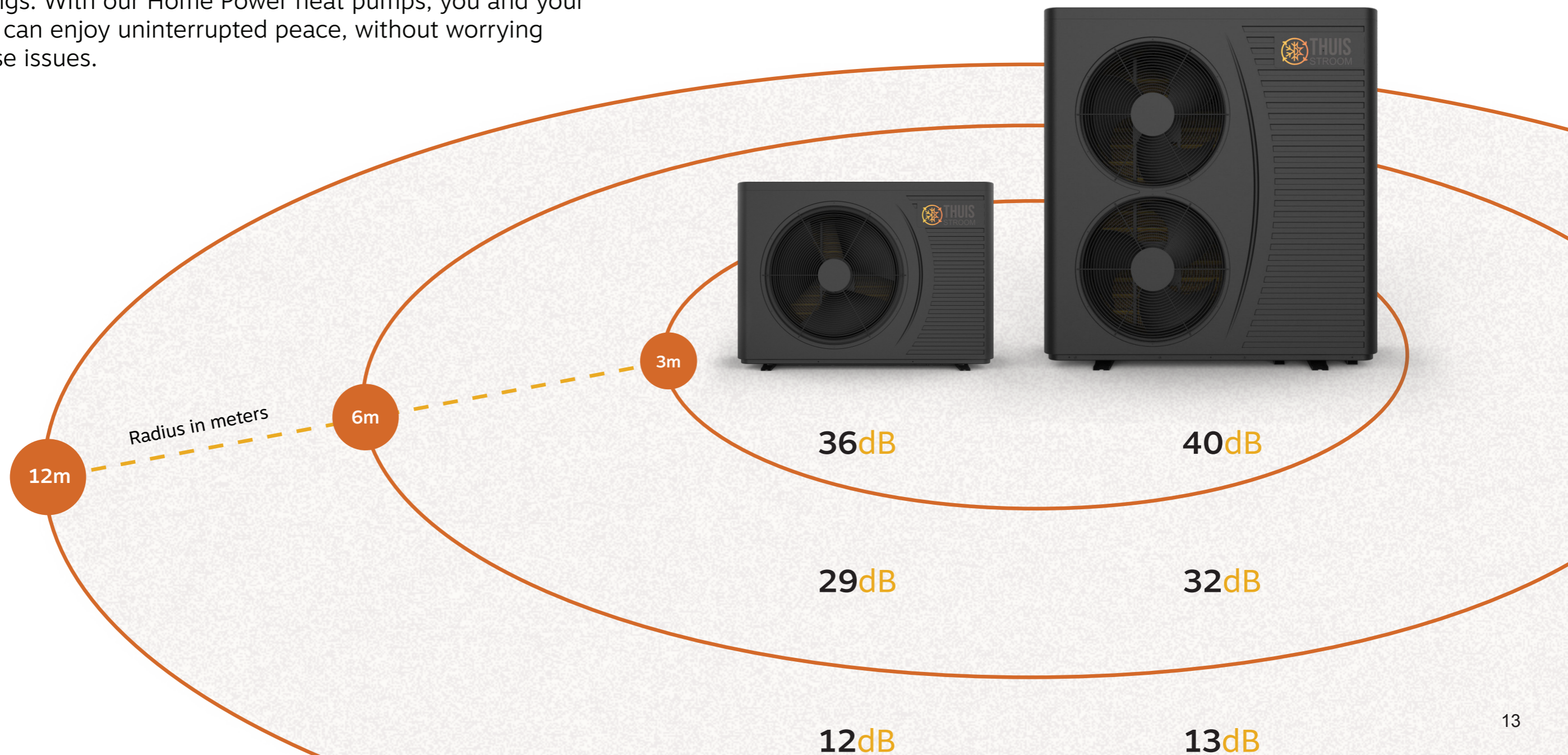
Sound-friendly

Our residential heat pump is exceptionally quiet. Without a doubt, it belongs to the most silent heat pumps in its class. Thanks to the anti-noise technology of the fan motor and compressor, the device can run smoothly and quietly, even when operating at full capacity. The sound pressure is kept at just 36-40 dB at a distance of 3 meters, ensuring a completely quiet and relaxing environment.


We place great importance on minimal disruption to the surroundings. With our Home Power heat pumps, you and your neighbors can enjoy uninterrupted peace, without worrying about noise issues.



“The sound level of our heat pumps is essential for creating a tranquil and comfortable environment.”



Technical specifications R290 Commercial Heat Pump

R290 HeatGreen Model Heat Pump			
Features: - R290 refrigerant - A+++ High Efficiency Energy Level - Noise Reduction Technology - All-in-one Heat Pump - ASA Material - Full DC inverter technology - Hot water outcome up to: 75°C 25°C cold climate running - 4G-DTU Cloud Server Technology - Full water heater inverter - RS485 Modbus Protocol			
Model:	<i>Product Code</i>	28 kW Three Phase	50 kW Three Phase
		<i>TS-HP28-290T-PH01</i>	<i>TS-HP50-290T-PH01</i>
Heating Condition -Ambient Temp.(DB/WB): 7°C/6°C, Water inlet/outlet 30/35°C			
Heating Capacity Range	kW	8.18-28.0	13.63-50.00
Heating Power Input Range	kW	2.29-8.27	4.36-16.00
COP	W/W	3.29-4.69	3.12-4.62
CURRENT INPUT Range	A	3.74-13.72	6.97-25.6
Heating Condition -Ambient Temp.(DB/WB):2°C/1 , Water inlet/outlet 30/35°C			
Heating Capacity Range	kW	6.27-23.00	11.07-40.60
Heating Power Input Range	kW	2.14-7.84	3.77-13.83
COP	W/W	2.94-3.51	2.94-3.51
CURRENT INPUT Range	A	3.26-11.97	5.76-21.13
Heating Condition -Ambient Temp.(DB/WB):-7°C/- , Water inlet/outlet 50/55°C			
Heating Capacity Range	kW	4.87-17.00	8.47-30.00
Heating Power Input Range	kW	2.96-8.88	5.34-16.29
COP	W/W	1.83-2.85	1.83-2.79
CURRENT INPUT Range	A	4.52-13.57	8.01-23.95
Cooling Condition -Ambient Temp.(DB/WB):35°C/24°C , Water inlet/outlet 12/7°C			
Heating Capacity Range	kW	5.03-18.5	9.27-34.00
Heating Power Input Range	kW	2.49-9.24	3.91-14.35
COP	W/W	1.99-3.39	1.95-3.45
CURRENT INPUT Range	A	4.136-13.65	6.26-22.96
Heating Condition -Ambient Temp.(DB/WB): 20°C/15°C, Water inlet/outlet 15/55°C			
Hot Water Capacity Range	kW	8.9-38	16.36-70.00
Hot Water Power Input Range	kW	2.75-10.50	5.29-19.40
COP	W/W	3.31-4.58	3.21-4.65
CURRENT INPUT Range	A	4.60-17.00	8.22-30.14
Max.Hot Water capacity	L/h	817	1505
ERP Level (35°C)	/	A+++	
ERP Level (55°C)	/	A++	
SCOP @65°C		2.8	2.75
Max.Power Input	kW	12.6	24
Max. Current Input	A	17	30
Power Supply	V/Ph/Hz	380-415V/3N~50-60Hz	

Refrigerant	/	R290	
Sound Pressure (1m)	dB(A)	53	62
Sound Power Level EN12102	dB(A)	68	77
Operating Ambient Temperature	°C	-25~43	
Max. Outlet Water Temperature	°C	73	
Fan Motor Quantity	/	2	1
Fan Motor Type	/	DC Fan Motor	
Water Connection	inch	G1"	G1.5"
Max. Water Head	m	6.5	/
Refrigerant/Proper Input	g	1800	1500*2
CO2 Equivalent	Ton	0.0055	0.0092
Rated Water Flow	m3/h	3.4	5.85
Rated Water Pressure Drop	kpa	50	20
Circulation Pump Water Head	m	12.5	/
Net Weight	kg	202	490
Gross Weight	kg	223	560
Unit Dimension (L/W/H)	mm	1350/540/1330	1195/980/1900
Ship Dimension (L/W/H)	mm	1370/560/1350	1320/1100/2150
Loading Quantities in 40HQ	pcs	32	18
Display	/	5-inch color display	
Certifications			

- ✓ R290 refrigerant
- ✓ Energy Class: A+++
- ✓ Noise Reduction Technology
- ✓ All-in-one Heat Pump
- ✓ ASA Material
- ✓ Full DC inverter technology
- ✓ Hot water outcome up to: 75°C
25°C cold climate running
- ✓ 4G-DTU Cloud Server technology
- ✓ Full water heater inverter
- ✓ RS485 Modbus Protocol



Production insight

Equipment



Foaming Machine



Automatic Packer



Folding Machine



Bending Machine



AGV Automated Transport System



General Assembly Line

Production Technology

From 2023, Thuis Stroom had started transforming the structure of the factory and focusing on building automatic intelligence technology into the production process. Up to now, the production process has involved multiple automatic devices including Copper Pipe Cutter, Pipe Bender Robot, Automated Vacuum Circulatory System, Robotic Palletization and Packaging, AGV and so on. Over 30% of Thuis Strooms' manufacturing process applies automatic devices.

Laboratory

Noise Laboratory

Operating noise control has always been one of the important product development pursuits of Thuis Stroom. To this end, We have established a high-specification noise test laboratory to continuously reduce the operating noise of the product and to create a high quality life for our customers.



Vibration Laboratory

Long-time and long-distance transportation is a trial for product quality. According to the high demand for assembly technology and rigorous assembly process, Thuis Stroom will strictly test the vibration resistance of the products before they leave the factory to ensure the quality of the goods received by customers.



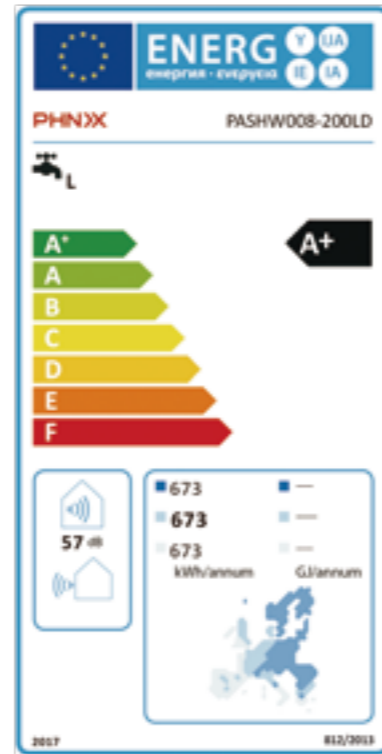
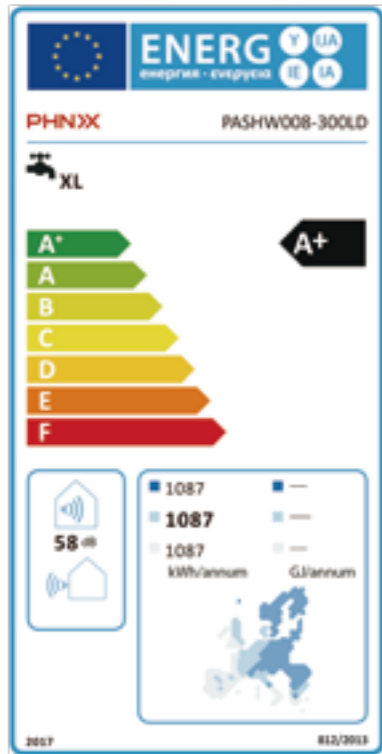
Cryogenic Laboratory

Thuis Stroom's cryogenic laboratory can realistically simulate ambient temperatures as low as -45°C. Only products that pass the cryogenic stable operation test can be confidently handed over to customers.



A++ Energy Label

This Stroom has always adhered to the goal of energy saving. The highest energy efficiency level of This Stroom water heaters can reach the EU Energy Efficiency A++ Level, which ensures that users can get a better experience at a lower cost.



Certification

In each of its operational services, This Stroom top priority is to ensure the reliability and quality of its products and to meet the technical & professional certifications of overseas markets. As an international brand, This Stroom holds several international certifications, including CE, StandardMark, WaterMark, ETL, SAA, ErP, CB, SG-Ready, UKCA and so on.

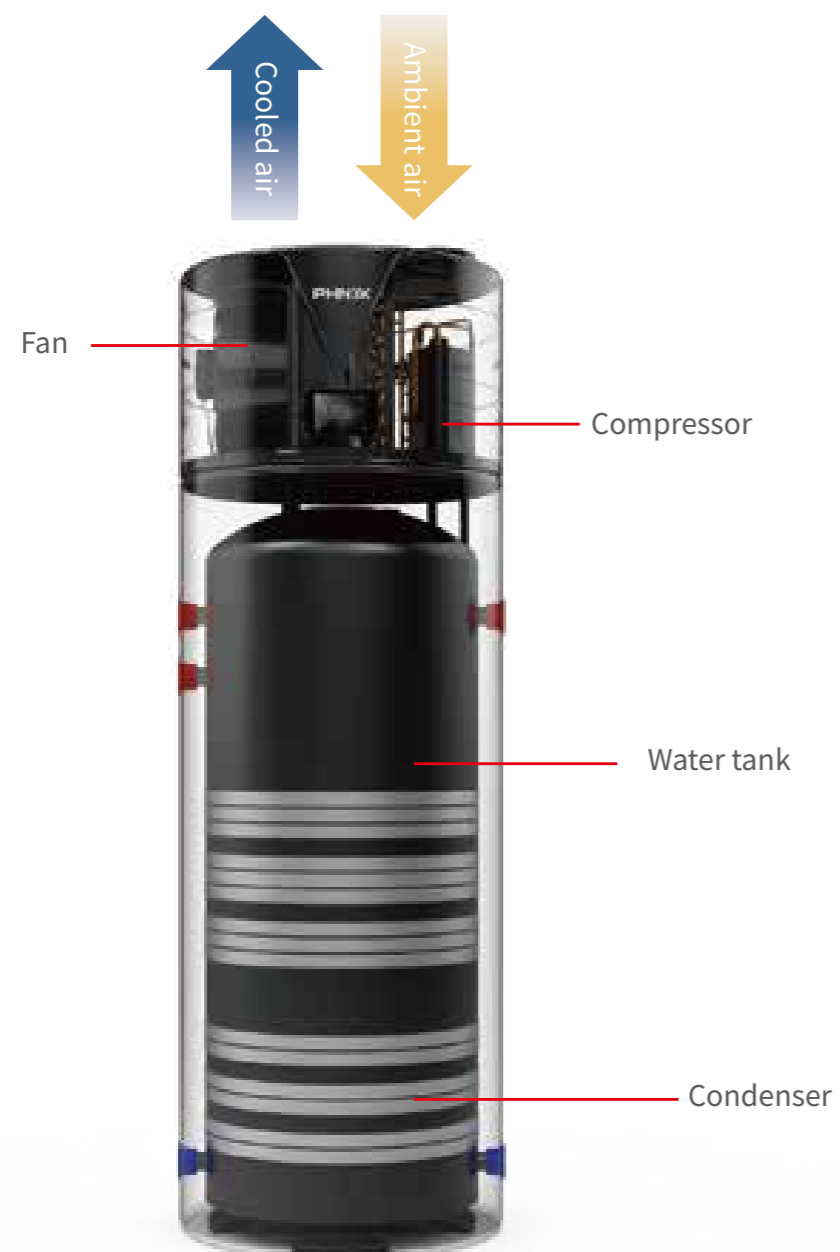


Water heating energy efficiency classes of water heaters, categorised by declared load profiles, η_{wh} in %

	L	XL
A+	$115 \leq \eta_{wh} < 150$	$123 \leq \eta_{wh} < 160$
A	$75 \leq \eta_{wh} < 115$	$80 \leq \eta_{wh} < 123$
B	$50 \leq \eta_{wh} < 75$	$55 \leq \eta_{wh} < 80$
C	$37 \leq \eta_{wh} < 50$	$38 \leq \eta_{wh} < 55$
D	$34 \leq \eta_{wh} < 37$	$35 \leq \eta_{wh} < 38$
E	$30 \leq \eta_{wh} < 34$	$30 \leq \eta_{wh} < 35$
F	$27 \leq \eta_{wh} < 30$	$27 \leq \eta_{wh} < 30$

How does it work?

The heat pump water heater extracts energy from the air to supply sanitary hot water. It collects up to 75% of its energy in the air, while the rest is provided by electricity. The compressor is to transfer the energy from the air to the water via refrigerant, to heat the water according to users' needs, and to deliver it to users' house.



ALWAYS IN CONTROL

no matter where you are

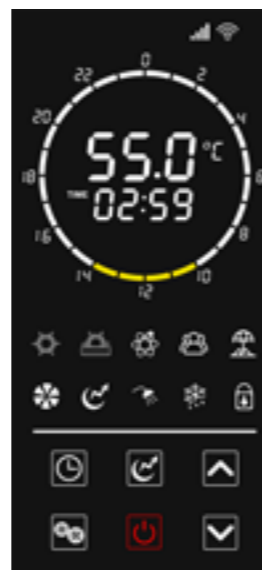


WiFi Module



DTU Module

Smart Display Family



This Stroom New Smart Remote Control

This Stroom innovatively designs the smart app - Hitemp for residential heat pump water heaters users. With two types of network connections for option, the WiFi and the 4G Cellular network, Hitemp highlights This Stroom heat pump water heater in the market with a reliable specialty.

Various Running Modes

- Eco Mode Hybrid
- Mode Intelligent
- Mode Fast
- Heating Mode
- Vacation Mode



Multiple Extended Functions

- Temperature Control & Monitor
- History Temperature Curve
- Easy Family Share
- Direct Fault Report



Thuis Stroom HEAT PUMP ADVANTAGES



Low Noise

All-in-one noise reduction design provides users a super quiet operation environment.



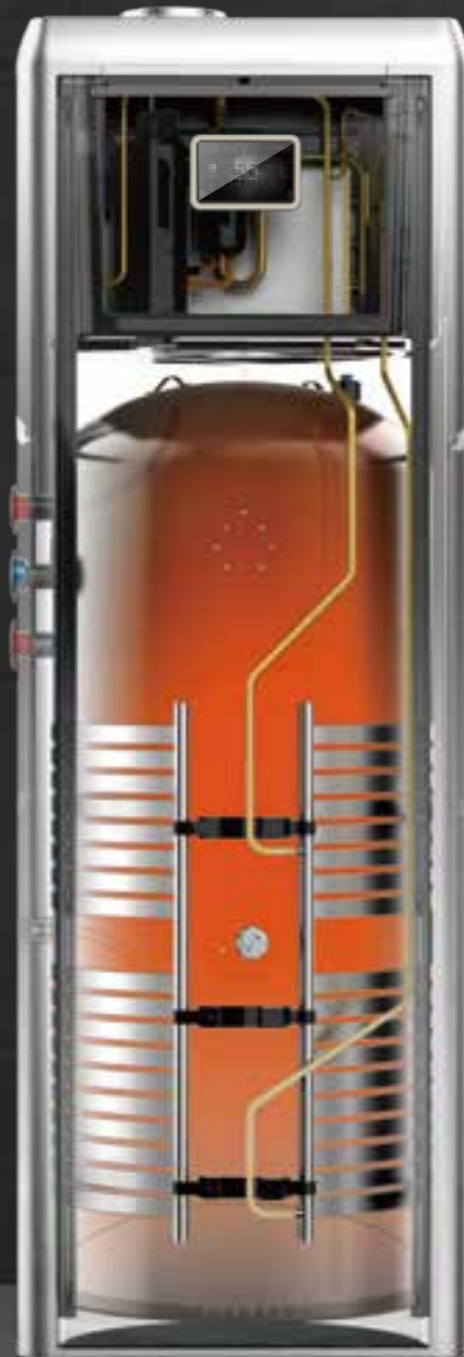
Full Inverter

This Stroom full inverter technology ensures high efficiency, energy saving and good stability.



Micro-Channel Heat Coil

Micro-Channel heat coil greatly enlarges the available contact surface between inner water tank and heat coil thus enhance the performance of heat pump water heater. The unit with this kind of device can realize a COP level up to 3.2 based on EN16147 standard.



Intelligent Control

With an App on your phone, an easy click can bring you a comfortable shower as soon as you arrive at home.



High COP

The heater uses Thuis Stroom own patent double-side airflow cabinet which is proven to be high-efficient in heat exchange and outstandingly silent during operation.



Refrigerant

The use of new environmentally friendly refrigerants, such as R290, can ensure a good heating effect while reducing greenhouse gas.

ENERGY COST COMPARISON



75%
Energy Saving
COP ≥ 4.0

Air Source Water Heater

- Low energy consumption
- 24 hours hot water supply
- No danger of electric leakage or air leakage;



Electric Water Heater

- Hidden danger of leakage
- Need to wait for heating
- Short service life
- Risk of excessive water temperature



Gas Water Heater

- Exhaust gas emissions
- Short service life
- Water temperature and water pressure fluctuate easily



THUIS STROOM HEAT PUMP FAMILY



airExpert

HEAT PUMP WATER HEATER



R290 HEAT PUMPS WATER HEATER

airExpert - R290



TECHNICAL SPECIFICATION

Model		AJ03-100	KJ06-200	KJ06-300
HEAT PUMP PERFORMANCES				
Volume	L	100	200	300
Rated Heating Capacity*	kW	0.9	1.5	1.5
Heating Time*	H	4.60	5.45	8.25
Refrigerant	/	R290 (150g)	R290 (150g)	R290 (150g)
Electric Heater	kW	1.5	1.5	1.5
Sound Pressure Level at 1m	dB(A)	35.5	38.1	38.1
Sound Power Level	dB(A)	50.2	53.4	53.8
Max. Water Outlet Temp.	°C	75	75	75
Operation Range	°C	-5~43	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~65	38~65	38~65
NORMATIVES DATA (EN16147)				
Energy Efficiency Class	/	A+	A+	A+
Tapping Cycle	/	M	L	XL
COP (Exterior Air +7°C / 14°C)	/	2.58 / 2.73	3.01 / 3.53	3.02 / 3.51
Water Heating Energy Efficiency	/	116%	146.6%	144.7%
AEC (Exterior Air +7°C / 14°C)	kWh	456 / 442	792 / 698	1343 / 1158
V40	L	111	276	382
TANK				
Material	/	Enamel	Enamel / Stainless steel	Enamel / Stainless steel
Max. Inner Solar Coil (Optional)	m³	0	1.0	1.5
CONNECTIONS AND DIMENSIONS				
Power Supply	V/P/Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz
Gross Weight / Net Weight	kg	79 / 68	113 / 96	129 / 112
Net Dimension (L/W/H)	mm	φ560×1127	φ640×1600	φ640×1905
Shipping Dimension (L/W/H)	mm	650×650×1250	720×720×1760	720×720×2070
Qty Per 20ft / 40ft	pcs	108 (40HQ)	24 / 48	24 / 48

*Testing condition is ambient temp DB/WB 20°C / 15°C, water inlet / outlet is 15°C / 55°C
 **Heat pump only

A+



COLOR TOUCH SCREEN

The clear UI not only allows the user to freely set the water temperature and the running mode but also to check the temperature curve to know about the unit's working condition at any time.

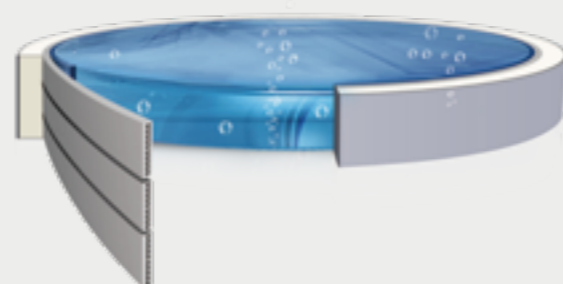
DETACHABLE TOP COVER

With a split design, airExpert can be easily disassembled. It's quite convenient for after-sales service.



MICRO-CHANNEL

The R290 series uses Micro-Channel, which makes it more energy-efficient.



R290 REFRIGERANT

A zero ODP value and an extremely low GWP value mean that there is no negative impact on the ozone layer. That's what makes propane an environmentally friendly refrigerant, which also maintains the good working performance of heat pump units.



CERAMIC FUSE

Ceramic shelter surrounds the fuse inside. It keeps the spark inside in case of failure, so it won't light up the R290.





airTitan

HEAT PUMP WATER HEATER



airPremier

HEAT PUMP WATER HEATER

- ▶ Full Inverter
- ▶ Energy Saving
- ▶ Low Noise



airTitan - KP

PARAMETER		
Model	/	PASHW020-315LD-KP
Volume	L	315
Rated Heating Capacity	kW	6.0
Power Supply	V/P/Hz	240V~/50Hz
COP(20/15°C)	W/W	4.11
Heating Time*	H	2.67
Refrigerant	/	R134a
Electric Heater	kW	5
Noise	dB(A)	52
Operation Range	°C	-5~43
Water Outlet Temp. Range**	°C	38~60
Max. Water Outlet Temp.	°C	75
Net Weight	kg	157
Net Dimension	mm	φ640×2410

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
 **Heat pump only;



airPremier - KB

PARAMETER		
Model	/	PASHW008-300LD-KB
Volume	L	300
Rated Heating Capacity	kW	2.3
Power Supply	V/P/Hz	230V~/50Hz
COP(EN16147)20/15°C	W/W	4.6
Heating Time*	H	5.8
Refrigerant	/	R134a
Electric Heater	kW	1.5
Noise	dB(A)	45
Operation Range	°C	-5~43
Water Outlet Temp. Range**	°C	38~60
Max. Water Outlet Temp.	°C	75
Net Weight	kg	150
Net Dimension	mm	640×652×1819

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
 **Heat pump only;

airPremier

HEAT PUMP WATER HEATER

- ▶ Enamel Water Tank
- ▶ The Maximum Outlet Water Temperature 75°C
- ▶ Customizable Appearance



A+



airPremier - NO

PARAMETER

Model	/	PASHW008-150LD-KE	PASHW015-270LD-NO
Volume	L	150	270
Rated Heating Capacity	kW	1.7	3.6
Power Supply	V/P/Hz	240V~/50Hz	240V~/50Hz
COP(20/15°C)	W/W	3.95	3.83
Heating Time*	H	4.1	3.48
Refrigerant	/	R134a	R134a
Electric Heater	kW	1.5	1.5
Noise	dB(A)	45	48
Operation Range	°C	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~60	38~60
Max. Water Outlet Temp.	°C	75	75
Net Weight	kg	91	130
Net Dimension	mm	φ560×1664	φ640×2002

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;



A+



airPremier - P

PARAMETER

Model	/	PASHW010-200L-P	PASHW010-300LD-P	PASHW015-300LD-P
Volume	L	200	300	300
Rated Heating Capacity	kW	2.5	2.5	3.3
Power Supply	V/P/Hz	230V~/50Hz	230V~/50Hz	230V~/50Hz
COP(EN16147)20/15°C	W/W	3.666	3.749	3.079
Heating Time*	H	3.55	5.31	3.91
Refrigerant	/	R134a	R134a	R134a
Electric Heater	kW	1.5	1.5	1.5
Noise	dB(A)	45	45	48
Operation Range	°C	-5~43	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~60	38~60	38~60
Max. Water Outlet Temp.	°C	60	60	60
Net Weight	kg	122	149	125
Net Dimension	mm	φ566×1785	φ648×1891	φ648×2006

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;



A++



airPremier - T

PARAMETER

Model	/	PASHW008-200LD-T	PASHW008-300LD-T
Volume	L	200	300
Rated Heating Capacity	kW	1.8	1.8
Power Supply	V/P/Hz	230V~/50Hz	230V~/50Hz
COP(EN16147)20/15°C	W/W	3.143	3.146
Heating Time*	H	4.76	7.03
Refrigerant	/	R134a	R134a
Electric Heater	kW	1.5	1.5
Noise	dB(A)	45	45
Operation Range	°C	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~60	38~60
Max. Water Outlet Temp.	°C	60	60
Net Weight	kg	115	122
Net Dimension	mm	560×570×1731	642×642×1820

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;

airEco

HEAT PUMP WATER HEATER

- ▶ High Quality Water Tank
- ▶ Easy to Operate
- ▶ Fast Installation



A++

R134a

SG Energy



airEco - J

PARAMETER

Model	/	PASHW008-200LD-J	PASHW008-300LD-J
Volume	L	200	300
Rated Heating Capacity	kW	1.8	1.8
Power Supply	V/P/Hz	230-240V~/50Hz	230V~/50Hz
COP(EN16147)20/15°C	W/W	3.572	3.715
Heating Time*	H	4.76	7.03
Refrigerant	/	R134a	R134a
Electric Heater	kW	1.5	1.5
Noise	dB(A)	43	45
Operation Range	°C	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~60	38~60
Max. Water Outlet Temp.	°C	60	60
Net Weight	kg	112	135
Net Dimension	mm	φ560×1757	φ648×1842

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;

A+

R134a

SG Energy



airEco - NI

PARAMETER

Model	/	PASHW006-150LD-NI	PASHW006-180LD-NI
Volume	L	150	180
Rated Heating Capacity	kW	1.65	1.65
Power Supply	V/P/Hz	220-240V~/50Hz	220-240V~/50Hz
COP(EN16147)20/15°C	W/W	3.45	3.6
Heating Time*	H	4.3	4.3
Refrigerant	/	R134a	R134a
Electric Heater	kW	1.5	1.5
Noise	dB(A)	43	43
Operation Range	°C	-5~43	-5~43
Water Outlet Temp. Range**	°C	38~60	38~60
Max. Water Outlet Temp.	°C	60	60
Net Weight	kg	83	88
Net Dimension	mm	φ520×1705	φ520×1920

*Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;

airSplit

HEAT PUMP WATER HEATER

- ▶ Removable Remote Controller
- ▶ Equipped with A Wilo Water Pump
- ▶ Supports Matching Different External Water Tanks



A+

R410a

SG



airSplit - AC

PARAMETER

Model		AC15-K
Rated Heating Capacity	kW	3.0
Power Supply	V/P/Hz	230V~/50Hz
COP(EN16147)20/15°C	W/W	2.8
Refrigerant	/	R410a
Noise	dB(A)	50
Operation Range	°C	-5~43
Water Outlet Temp. Range**	°C	38~55
Net Weight	kg	67
Net Dimension	mm	637×409×843

**Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;

A+

R410a

SG



airSplit - BA

PARAMETER

Model		PASHW-BA
Rated Heating Capacity	kW	3.5
Power Supply	V/P/Hz	230V~/50Hz
COP(20/15°C)	W/W	4.2
Refrigerant	/	R410a
Noise	dB(A)	52
Operation Range	°C	-15°C ~ 43°C
Water Outlet Temp. Range**	°C	38~60
Net Weight	kg	69
Net Dimension	mm	800×400×600
Net Dimension	mm	φ560×1900

**Testing condition is ambient temp DB/WB 20°C/15°C, water inlet/outlet is 15°C/55°C;
**Heat pump only;

airSplit

HEAT PUMP WATER HEATER



NEW

A+

R134a

SG



airSplit - KM

PARAMETER

Model	/	KM08-580
Heating Current Input	A	2.8
Power Supply	V/P/HZ	230V~/50Hz
Heating time from 15 to 55°C (ambient installation 20/15°C air)	H	3.76
Refrigerant	/	R134a
WIFI	/	Optional
Operation Range	°C	-5 ~ 43
Suggested Water Temp.	°C	55
Max. Water Outlet Temp.	°C	60
Operation Pressure(high side)	MPa	2.6
Operation Pressure(low side)	MPa	1.3
Water source connection	inch	3/4 inner screw
Net weight	kg	36
Net Dimension(L/W/H)	mm	590×590×428
Shipping Dimension(L/W/H)	mm	695×695×470
Qty Per 20GP/40HQ	pcs	96/240

airSplit-KM



BETTER SHIPPING COST

Due to the small size, the unit loading quantity will be much more than the all-in-one units, which greatly lowers the freight cost per unit.



DOUBLE WALL PLATE HEAT EXCHANGER

The water heater uses double wall plate heat exchanger, making it easy to detect fluid leakage of the unit and preventing the internal water tank from pollution, which provides users a relieved using experience.



HIGH COP

When the dry bulb temperature is 20°C and the wet bulb temperature is 15°C, its COP can reach 3.74, maintaining high operation efficiency and saving more energy.

CAN BE A TOP KIT

It can be matched with a tank by waterway as a top kit with strong suitability.

WIDE APPLICATION

You can easily assemble Thuis Stroom KM heat pump with a suitable size water tank and make an energy-saving heat pump water heater.





airTop

HEAT PUMP WATER HEATER

A+



airTop - TP



airTop - KJ

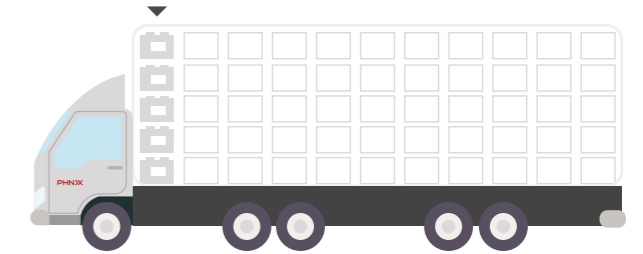


airTop - NI

airTOP

Better Shipping Costs

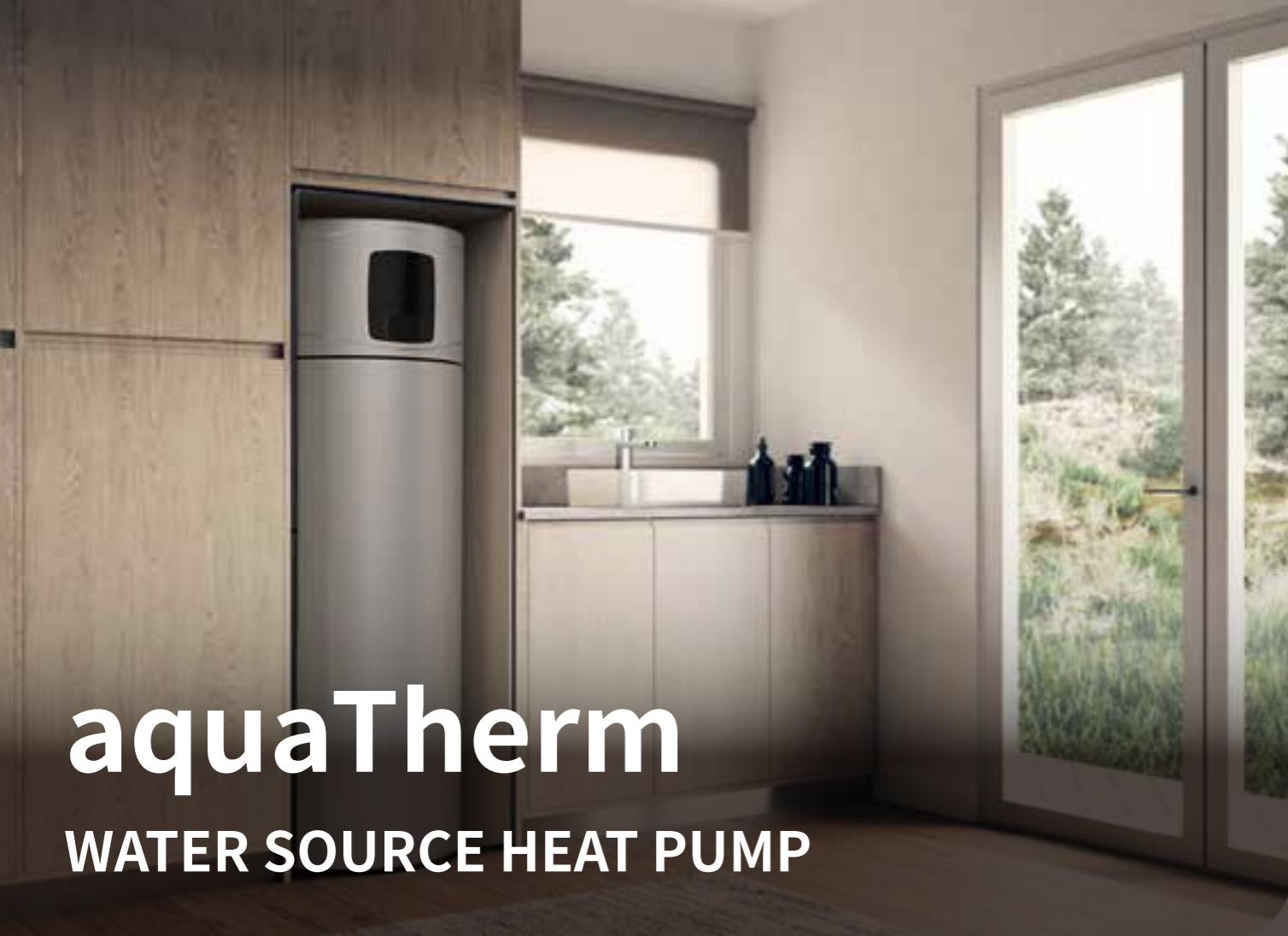
Due to the small size, the top-kits loading quantity will be much more than the all-in-one units. A 40HQ container can hold 240 units in total, which greatly lowers your freight per unit.



Diversified airTop



Diversified airTop can be matched with your local water tank. This Stroom offers the top-Kits with different appearances and a wide operating range from 0.9kW to 6kW. Meanwhile, It embodies the OEM business in This Stroom, So you can create your own heat pump water heater based on your own needs and preferences.



aquaTherm

WATER SOURCE HEAT PUMP

NEW

A+

R290

SG



aquaTherm - SP

PARAMETER

Model	/	SP
Volume	L	200
Heating Current Input	A	1.6
Rated Power Input	KW	2.2
Rated Current Input	A	9.3
Power Supply	V/P/HZ	230V~/50Hz
Energy Efficiency Class	/	A+
COP(EN16147)10/7°C	W/W	3.206
Maximum volume of mixed water at 40°C	/	246L
Heating time from 15 to 55°C (ambient installation 20/15°C air)	H	5.5
Refrigerant	/	R290(150g)
Electric Heater	kW	1.5
Noise	dB(A)	48
WIFI	/	Optional
Operation Range	°C	-5 ~ 43
Suggested Water Temp.	°C	55
Max. Water Outlet Temp.	°C	70
Operation Pressure(high side)	MPa	3.2
Operation Pressure(low side)	MPa	1.3
Water connection	inch	3/4 inner screw
Water source connection	inch	1/2 inner screw
Net weight	kg	96
Net Dimension(L/W/H)	mm	φ640×1562
Shipping Dimension(L/W/H)	mm	720×720×1760
Qty Per 20ft/40ft/40HQ	pcs	24/48/48

aquaTherm-SP



CERTIFICATIONS

The water heater has attained CE and ErP certifications.



HIGH ENERGY-EFFICIENCY

When the inlet water is 10°C, its COP can reach 3.206, consuming less energy and cutting back on energy costs automatically.

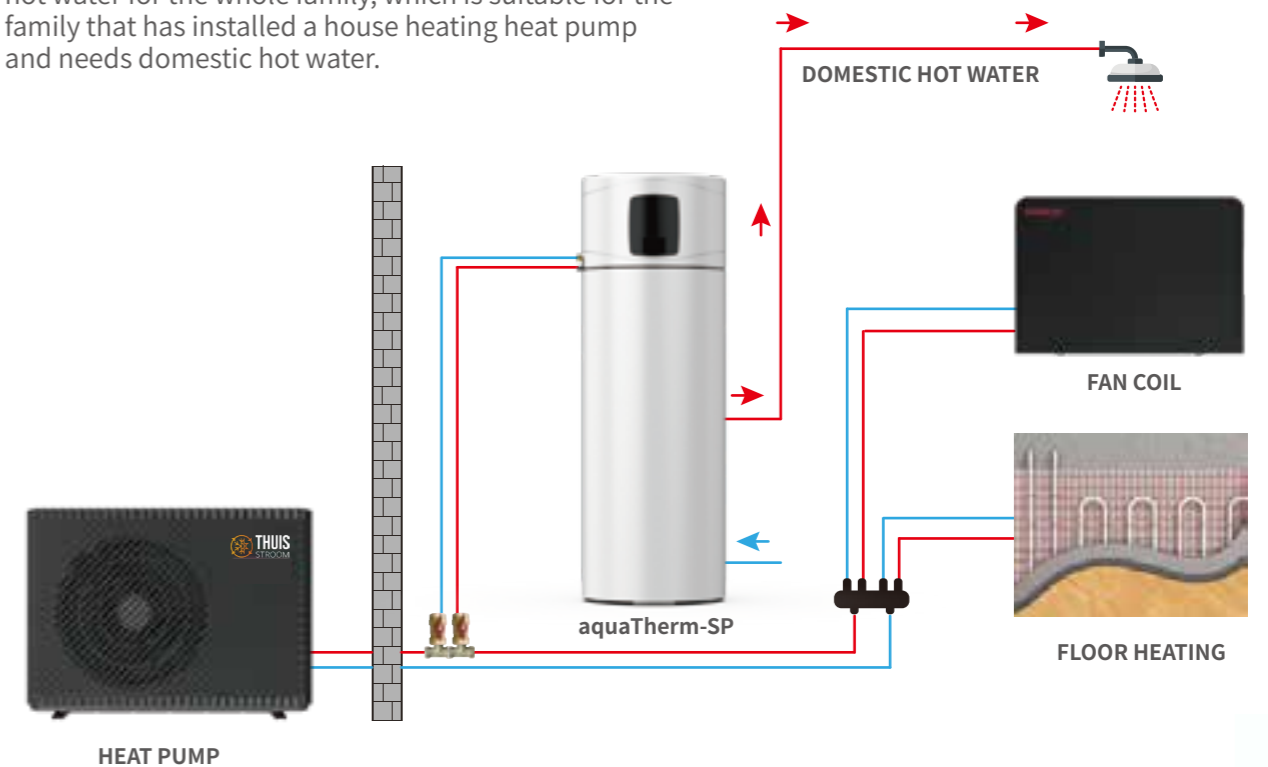


NOISE REDUCTION

With sound pressure being kept to as low as 33dB(A) at 1 meter, the water heater can run silently.

APPLICATION

Using the extracted hot water from underfloor heating as heat source, aquaTherm Series can provide domestic hot water for the whole family, which is suitable for the family that has installed a house heating heat pump and needs domestic hot water.





Do you have any more questions?
Feel free to contact us:
sales@thuis-stroom.nl
+31 6 298 78 836

Or check our website!
www.thuis-stroom.nl