Haier
Inspired Living

NEW SOLUTIONS FOR ECO & EFFICIENT HOT WATER

Haier EIP+ Series Air Source Heat Pump Water Heater

BRING **ECOLOGY & EFFICIENCY** TO A NEW LEVEL

Heat pumps utilize free and renewable energy from the outside air, resulting in cost savings for users while also reducing the environmental impact of carbon emissions. Compared to conventional electric storage water heaters, heat pumps can save up to 80% of energy for domestic hot water in households. This makes them suitable for both new build and renovated homes.

GREEN FOR YOU AND THE EARTH

The new natural refrigerant, R290, is an environmentally friendly choice that reduces carbon emissions and contributes to the global goal of carbon neutrality.

ECO - R290
NATURAL REFRIGERANT

New R290 Refrigerant, More Eco-friendly

In order to achieve carbon neutrality and mitigate global warming, the Haier EIP+ series air source heat pump water heater uses R290 natural refrigerant, which is a trend of advanced household water solutions, to offer sustainable, green, and comfortable hot water solutions.

Natural, Non-toxic, and Free of Ozone Depletion

The R290 is a high-purity propane refrigerant with a global warming potential (GWP) of 3. This indicates that it will contribute less to ozone depletion compared to other alternatives.

ECO - R290
NATURAL REFRIGERANT

Excellent Thermodynamic Performance

The R290 refrigerant offers excellent thermodynamic performance, allowing for higher water temperatures to meet various application demands.

Up to 65°C Water Temperature

The heat pump works alone to make the water temperature as high as 65 °C, and the water mixing rate at 40 °C can reach 125%, which is equivalent to 25% capacity increase, saving power and enjoying surging water.

Higher Water Temperatures for Shower and Bacterial Proof

√ For Shower

√ For Bacterial Proof

HIGH-EFFICIENCY AND ENERGY SAVING

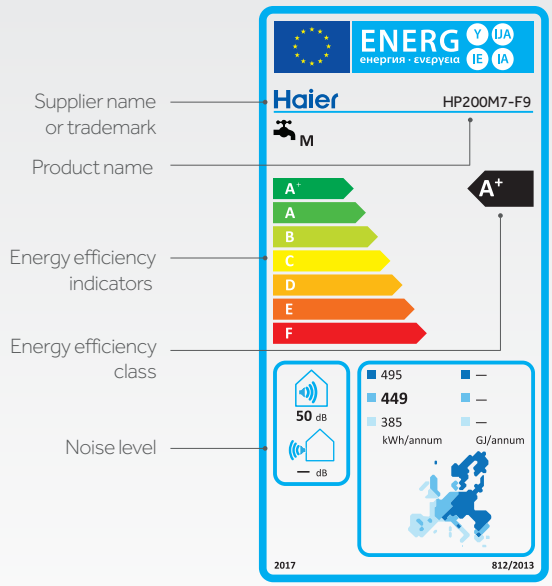
The technologically advanced Haier EIP+ series air source heat pump water heater features full inverter technology and micro-channel condenser, resulting in lower energy consumption and higher heating efficiency.

EFFICIENCY

80% ENERGY SAVING

Absolute Efficiency, A+ ErP Energy Rating

Haier EIP+ series air source heat pump water heater achieves A+ energy rating, as illustrated in the product label.



COP3.6*, 80% Energy Saving

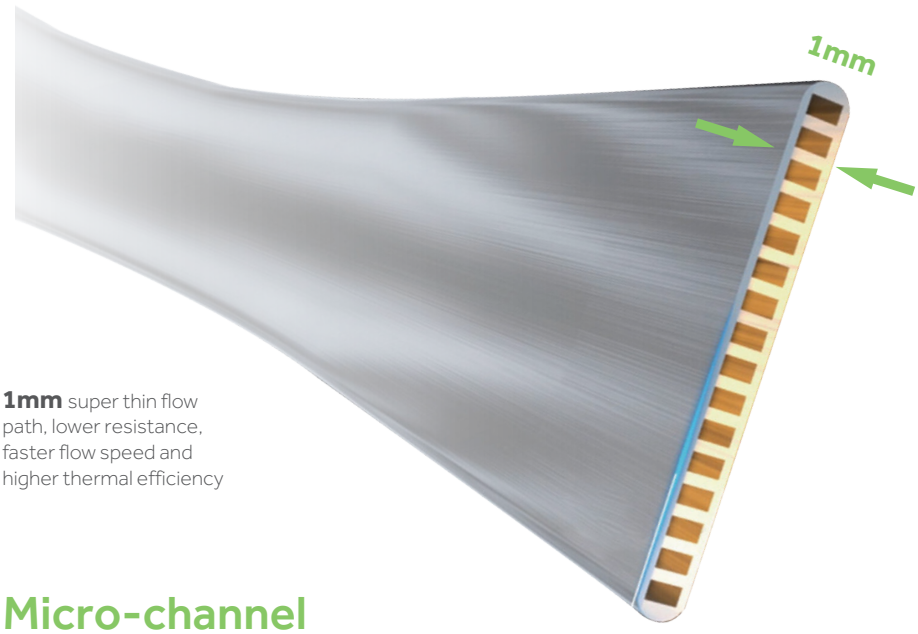
High efficiency means low energy costs, the Haier EIP+ series air source heat pump water heater can greatly reduce energy bills for users.

*Tested at 14°C operating conditions

80% ENERGY SAVING

EFFICIENCY

80% ENERGY SAVING



1mm super thin flow path, lower resistance, faster flow speed and higher thermal efficiency

Improve performance

Increase heat transfer efficiency

Reduce power consumption

Micro-channel Upgraded for R290 Refrigerant

The surface contact heat exchange area is larger, and the refrigerant is fully fed and heat is exchanged in a very small flow path, which greatly improves the efficiency of heat exchange compared to traditional heat exchangers.

Multi-path design with multiple ultra-fine micro-channels in each path, enabling more efficient heat transfer while reducing flow resistance and lowering power consumption, resulting in a performance improvement.

The larger heat transfer surface area leads to a increase in heat transfer efficiency.

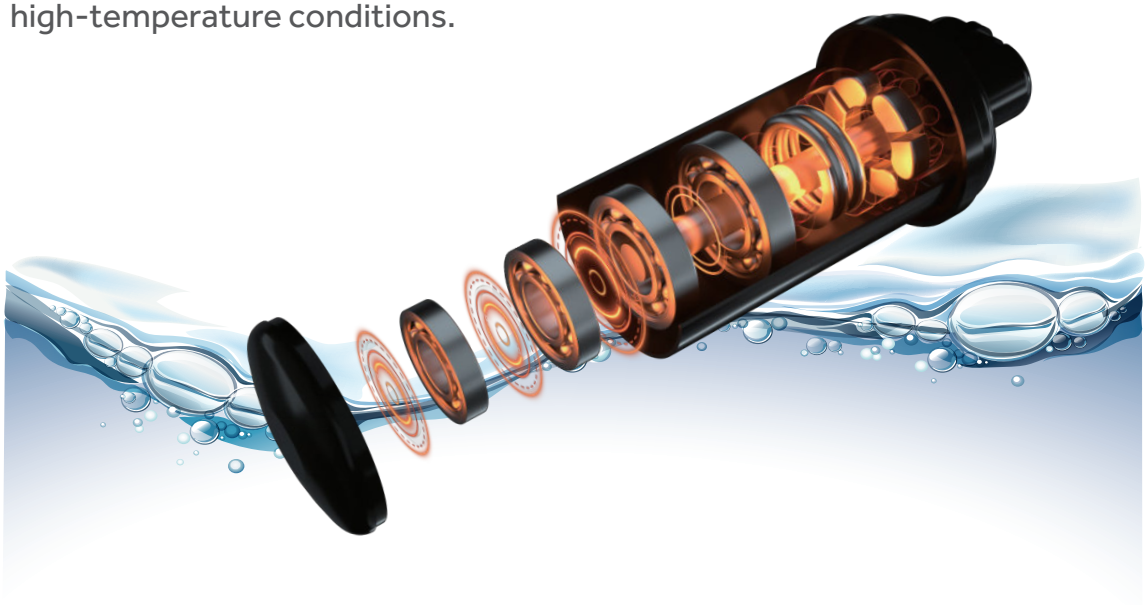
Uniform heating with temperature differences of within 4°C between the upper and lower layers, minimal stratification of hot water, outperforming copper pipe heat exchangers, and effectively reducing power consumption.

EFFICIENCY

80% ENERGY SAVING

Full Inverter Technology, Energy-Saving with Continuously Variable

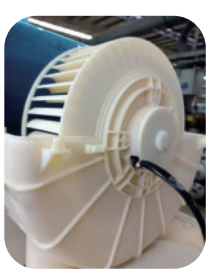
The high-quality inverter compressor and DC fan, combined with integrated inverter drive module, significantly improve electrical energy utilization. The system dynamically adjusts input power based on unit operation, ensuring optimal energy efficiency at all times. It maintains stability even in low-temperature conditions and achieves even greater energy saving during high-temperature conditions.



Inverter Compressor

Adjusting input power based on the machine's operational status to achieve high energy efficiency.

DC Fan



Under the same air volume, the power of the DC fan is 40% to 50% lower than AC fan, making the system more energy-efficient.

EFFICIENCY

80% ENERGY SAVING

Dual Power Heating, Enables Faster Hot Water Production

The dual power heating mode of air energy and electric energy is adopted, and electric heating (1500W electric auxiliary) can be started at the same time to improve the heating efficiency in case of low temperature in winter/urgent need of a large amount of hot water, so as to achieve fast heating of the whole tank of water in a short time and obtain a large amount of hot water.

Hot Water is Available in Less Time

In the cold winter, the compressor increases input power to stabilize heat production.

When a large amount of hot water is urgently needed, dual power is more efficient.

EFFICIENCY

80% ENERGY SAVING

Smart Defrost, More Efficient and Energy Saving

Haier smart defrosting control system is equipped with a four-way valve and an electronic expansion valve with higher refrigerant flow control accuracy, the defrosting effect is more sufficient, so that it is not easy to frost in low temperature conditions.

Haier

When tested at 7/6°C, the evaporator's frosting condition.

OTHERS

When tested at 7/6°C, the evaporator's frosting condition.

EXCELLENT PERFORMANCE YEAR AFTER YEAR

Better heating, better reliability. The R290 dedicated compressor and high-quality enamel tank offer a longer service life and stable heating performance.

HIGH QUALITY AND DURABLE

R290 Dedicated Compressor, High-quality and Efficient

Optimized internal structure of the compressor effectively reduces refrigerant storage inside the compressor, enhancing the refrigerant circulation in the system.

High Efficiency/Economy

- By using an efficient new pump structure, efficiency increases by more than 2%.
- Based on the characteristics of R290, dedicated refrigeration compressor oil enhances system efficiency, even in situations with low charge levels.

Low Noise Operation

Optimize motor airflow channel and compressor noise reduction structure, result in a 2.5~3dB(A) decrease in compressor noise level.

HIGH QUALITY AND DURABLE

High-quality Enamel Tank, Longer Service Time

High-quality enamel tank, featuring an exclusive design for water heaters, offers a longer service life and stable heating performance.

Professional Quality

Haier has upgraded its enamel technology to enhance uniformity and create a high-density enamel tank that is resistant to corrosion, acid, alkali, and extremely durable.

Advanced Formula

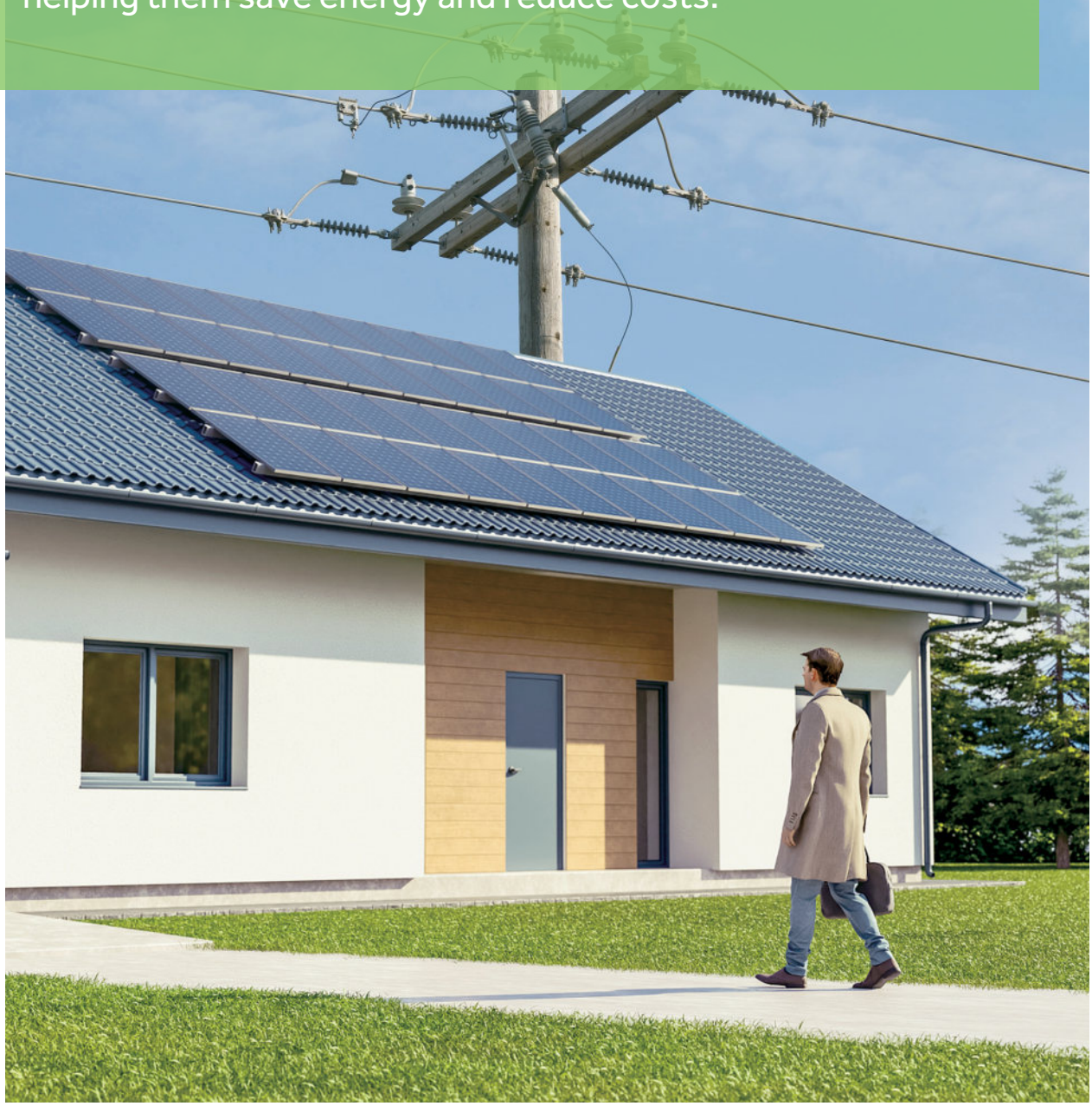
By using high-quality enamel powder (made in the USA) and upgrading the formula to eliminate the pinhole, the granule weight will be lighter and the anti-corrosion performance will be better.

Production Technology

The enamel material is melted at super high temperature, the enamel layer will isolate the water and steel plate to prevent rust and scale. The tank will have longer service life.

POWER YOUR HOME THE SMART WAY SAVE ENERGY BILLS

With its advanced capabilities, the multi-energy connected feature allows users to choose economical electrical energy, helping them save energy and reduce costs.



ECONOMICAL
MULTI-ENERGY CONNECTED

Choose Economical Electrical Energy

Power signal	If you need to meet water usage priority	If you need to balance between water usage and economic benefit	If you need maximum economic benefit
PV	Electric signal E1-Heat pump and electric heating meanwhile when there is sufficient PV F1-Activate and heat immediately, no signal returns to the current mode MODE AUTO	Electric signal E1-Heat pump and electric heating meanwhile when there is sufficient PV F3-Activate and heat immediately, mode is disabled. Keep the water temperature at 40°C without signal	Electric signal E1-Heat pump and electric heating meanwhile when there is sufficient PV F4-Activate and heat immediately, No heating when there is no signal . (Former set mode is disabled.)
Off-peak	If there are intermittent signals from the power company Electric signal E1-Heat pump and electric heating meanwhile F2-Only activate and heat in the heating time of the current mode MODE AUTO If it is during a fixed time period with off-peak electricity MODE ECO	If there are intermittent signals from the power company Electric signal E2-Heat pump (electric heating is only started after the water temperature is 65°C) F3-Activate and heat immediately, mode is disabled. Keep the water temperature at 40°C without signal If it is during a fixed time period with off-peak electricity MODE ECO	If there are intermittent signals from the power company Electric signal E2-Heat pump (electric heating is only started after the water temperature is 65°C) F4-Activate and heat immediately, No heating when there is no signal . (Former set mode is disabled.) If it is during a fixed time period with off-peak electricity MODE ECO

*The mode can be set according to the power situation in your home, for reference only.

ECONOMICAL
MULTI-ENERGY CONNECTED

Multi-energy Connected

Combine with boiler, solar thermal, PV, save energy and reduce costs.

- **Solar Water Heater & Heat Pump Water Heater**

  Priority given to solar energy, greatly reduce energy bills for users.

- **Gas Boiler & Heat Pump Water Heater**

  As a compensatory energy source for heat pumps to achieve higher water temperatures.

- **PV & Heat Pump Water Heater**

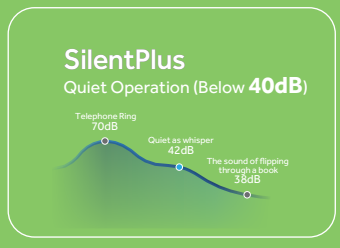
  Select PV power to save electricity cost.

A QUIET HOME, A COMFORTABLE LIFE

Haier advanced features, including a full inverter system, a soundproof enclosure design, and a dedicated mute mode, guarantee whisper-quiet operation without compromising performance.

COMFORTABLE
LOW NOISE

Operating at 40dB, as Quiet as a Library



Full Inverter System

Inverter compressor and DC fan ensure smooth and low noise operation.

Soundproof Enclosure Design

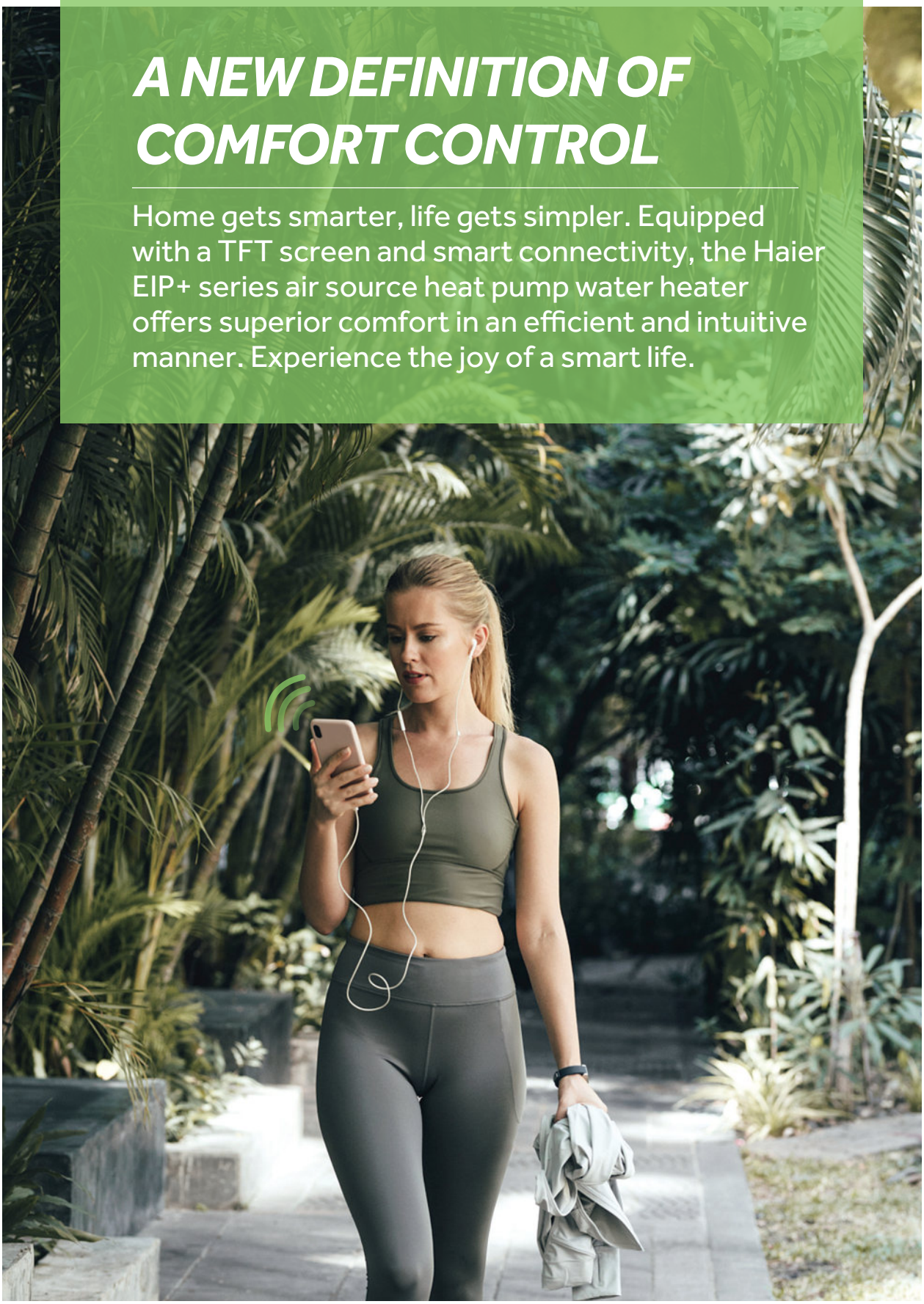
Effectively isolates the operating noise of the compressor.

Mute Mode

Set the time for mute operation, operate quietly during the night.

A NEW DEFINITION OF COMFORT CONTROL

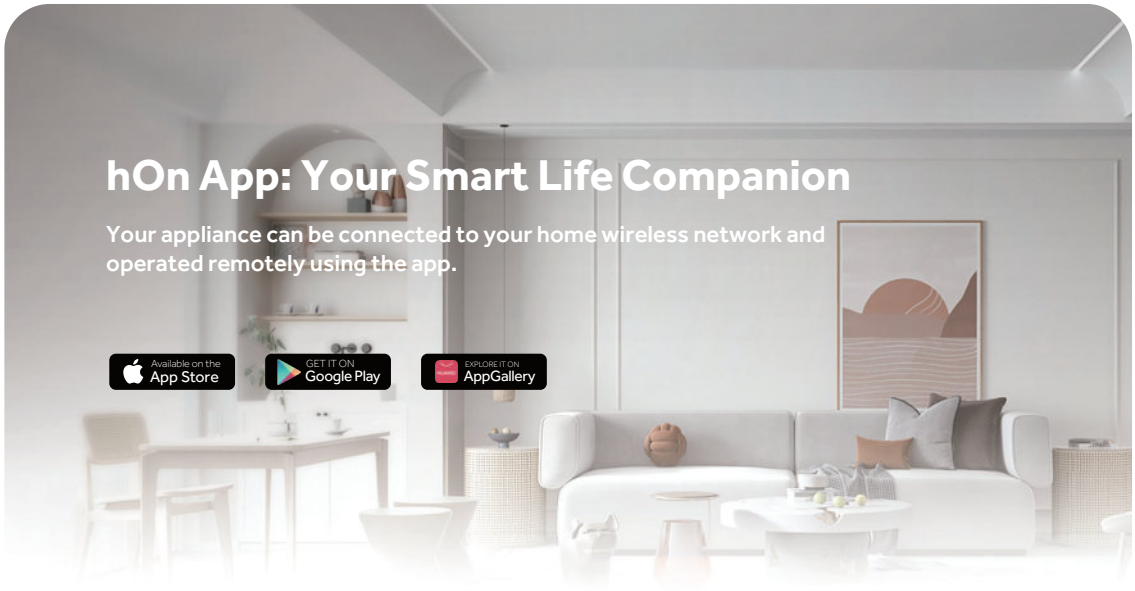
Home gets smarter, life gets simpler. Equipped with a TFT screen and smart connectivity, the Haier EIP+ series air source heat pump water heater offers superior comfort in an efficient and intuitive manner. Experience the joy of a smart life.



SMART & CONVENIENT

Connect and Control from Anywhere, Anytime

Haier EIP+ series air source heat pump water heater can be operated from your mobile devices via WiFi. With the hOn app, you can easily control the heat pump anytime from anywhere.



Getting started

1. Ensure that your home WiFi network is turned on.
2. After startup, it will enter fast pairing mode without the need for manual operation.
3. If the connection is successful, the WiFi icon (ᯤ) will always be on.

On your mobile device

1. Download the app from https://hon-smarthome.com/.
2. Register and create an account.
3. Add your appliance and set up the WiFi connection.

SMART & CONVENIENT

Large Screen Display

Meet Various Water Usage Needs

AUTO Mode
Automatically heat water to set temperature and maintain it.

ECO Mode
In this mode, priority of heat pump heating; User entered timer settings.

ELEC Mode
In this mode, the backup element is used as the only heat source. This function ensures hot water supply when the heat pump is not working properly.

BOOST Mode
Heat pump and backup element are activated at the same time.

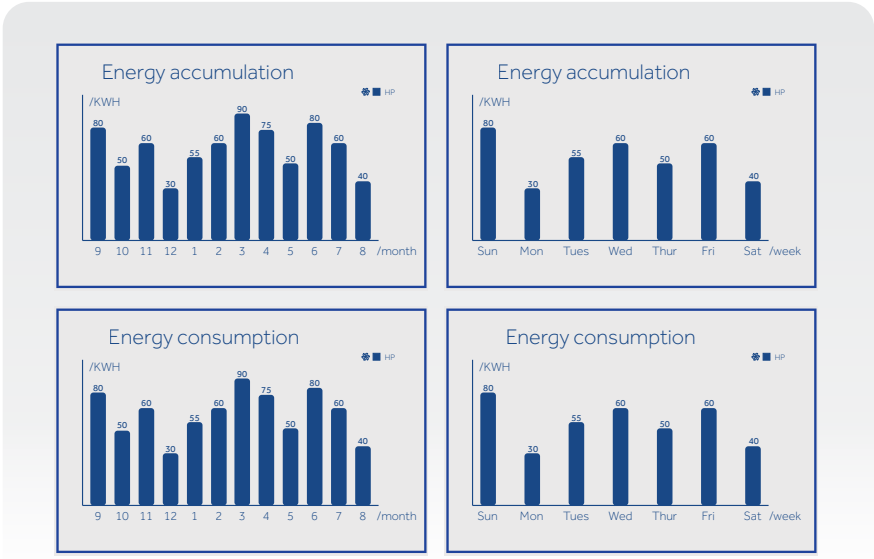
VAC Mode
Maintains a minimum temperature to prevent freezing.

SMART & CONVENIENT

Intuitive Operational Information

Information

Query the electric energy consumption information of the unit.



Customizable Control Experience

Mute

Mute Mode

In this mode, the heat pump operates quietly.

Sterilization

Bactericidal Mode

Users can set the sterilization temperature, the frequency of sterilization, and the start time of sterilization.

Personalized sterilization settings

- Set the sterilization temperature, which is adjustable from 55°C to 75°C.
- Set the frequency of sterilization, which can be selected as single, weekly, or monthly.
- Set the start time of sterilization, adjustable from 0 to 24 hours.

EASY INSTALLATION FOR YOUR PEACE OF MIND

The installation of the Haier EIP+ series air source heat pump water heater is quick and easy, thanks to its innovative design.

ALL IN ONE INTEGRATED

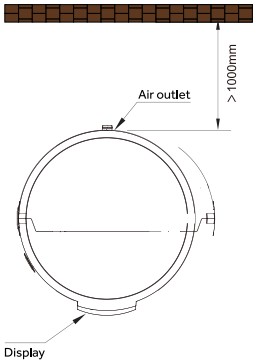
Elegant Design

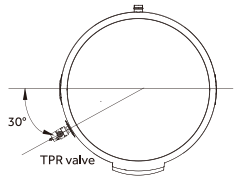
The pure white body is aesthetic and fashion, while the shield-shaped display symbolizes security and reliability.

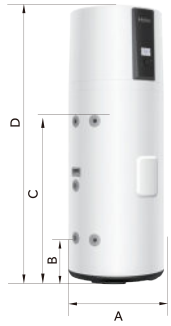
Easy Installation

There is no need for additional refrigerant connection pipes or unnecessary pipelines, ensuring convenient installation.

INSTALLATION INSTRUCTIONS

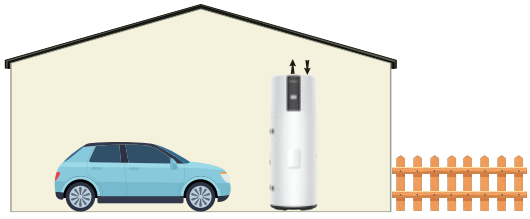




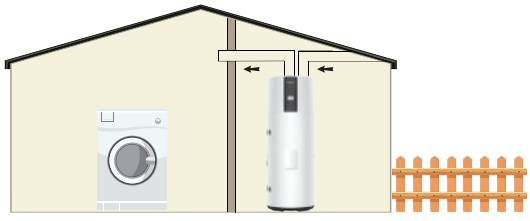


*Dimensions (mm)

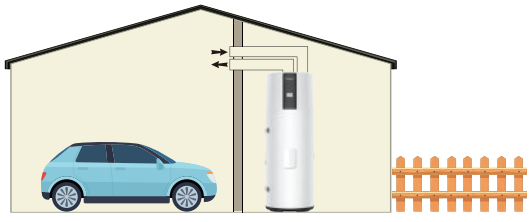
Model	A	B	C	D
HP200M7-F9	620	270	980	1694
HP250M7-F9	620	270	1275	1989
HP200M7C-F9	620	270	980	1694
HP250M7C-F9	620	270	1275	1989



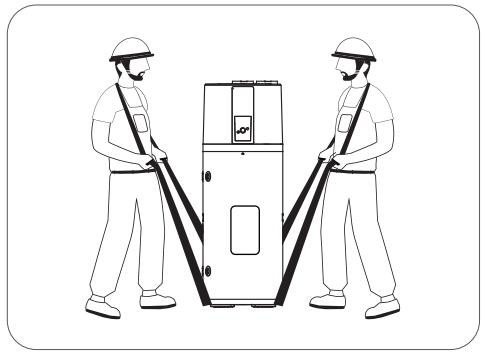
Installation in an unheated room >15m²

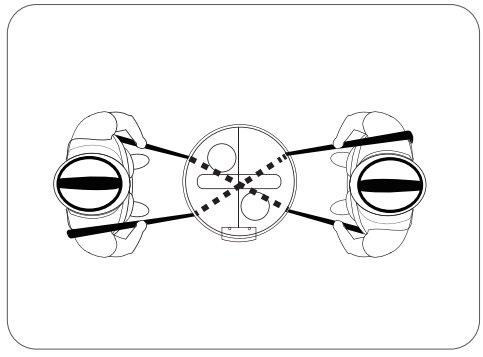


Installation with 2 ducts to the outside



Installation with 2 ducts to an unheated room >15m²





Lift the heat pump by two persons.

COMPONENTS

1 Evaporator

2 Elctronic expansion valve

3 Compressor

4 Enamel tank

5 Micro-channel condenser

6 Air channel

7 Four-way valve

8 DC fan

9 Display panel

10 Drain pan

11 Electric heating element

12 Coil condenser

TECHNICAL PARAMETERS

R290


Micro-channel Condenser

Up to 65°C

Dual Power Heat


Child Lock


40dB

hOn App

Model	HP200M7-F9	HP200M7C-F9	HP250M7-F9	HP250M7C-F9
Tank				
Total cylinder capacity(L)	194	185	250	240
Rated voltage/frequency(V/Hz)	220-240/50	220-240/50	220-240/50	220-240/50
Tank Max pressure(kPa)	700	700	700	700
Corrosion protection	Magnesium rod	Magnesium rod	Magnesium rod	Magnesium rod
Insulation protection rating	IPX4	IPX4	IPX4	IPX4
Performances(7°C/6°C ambient air temperature, 10°C/55°C water temperature)				
COP@7°C(EN16147)	3.2	3.2	3.23	3.21
COP@14°C	3.6	3.6	3.6	3.6
Power input by electric backup(W)	1500	1500	1500	1500
Rated power input by heat pump(W)	320	320	320	320
Maximum power input by heat pump(W)	535	535	535	535
Maximum power input(W)	2035	2035	2035	2035
Heating water capacity(L/h)	24	24	24	24
Heating up time(10°C/55°C)@7°C(h)	7	6.8	10.5	10.3
Default temperature setting(°C)	65	65	65	65
Temperature setting range-with heater(°C)	35-75	35-75	35-75	35-75
Maximum temperature output for the heat pump only(°C)	65	65	65	65
Max working pressure of refrigerant(MPa)	1.0/3.3	1.0/3.3	1.0/3.3	1.0/3.3
Refrigerant type/weight(kg)	R290/0.15	R290/0.15	R290/0.15	R290/0.15
Sound power level *@1 metre(dB(A))	50	50	50	50
V40(L)	239	228	307	295
Ambient temperature for heat pump(°C)	-7-45	-7-45	-7-45	-7-45
Dimension and connections				
Water inlet and outlet connection	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
TPR valve connection	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
Drain & water intlet connection	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
Product dimensions(mm)	600*620*1694	600*620*1694	600*620*1989	600*620*1989
Packing dimension with pallet(mm)	736*695*1940	736*695*1940	736*695*2250	736*695*2250
Net/gross weight(kg)	86/109	96/119	98/121	107/131
Filled weight of the appliance(kg)	281	282	347	349

*THE COP was measured under test conditions with an ambient air temperature of 20°C/15°C (Dry Bulb/Wet Bulb) and heating of the water from 15°C to 55°C during water heater operation.

*The noise level was measured at 1 m from the water heater during a Noise Test conducted to Standard GB/T 23137 in a hemi-anechoic chamber with in a laboratory.

BEYOND THE COMFORT

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The specifications, designs and information in this catalogue are subject to the actual products.
Haier reserves the right to make changes without any notice.