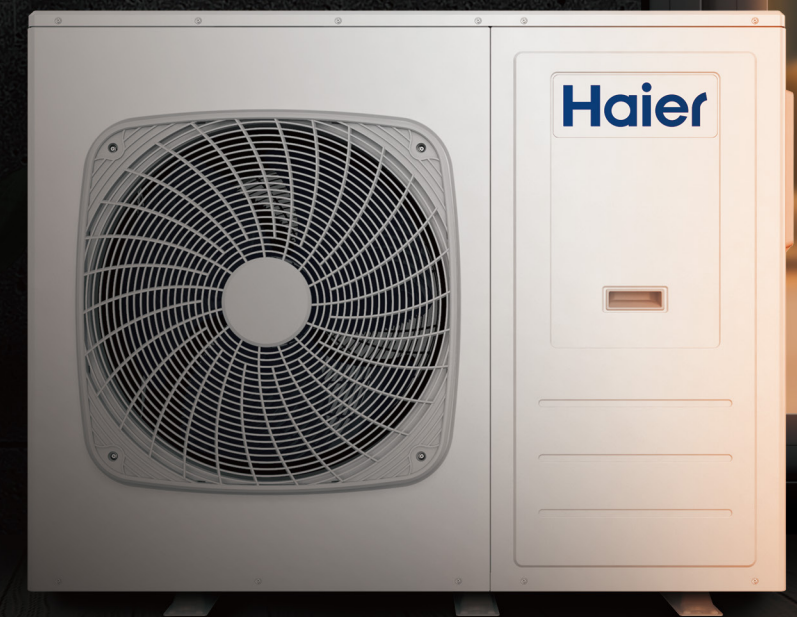


ProWarm*

NEW ECO HOMES SOLUTION

Heating, Cooling and Domestic Hot Water



BEYOND THE COMFORT



ADDRESS

No.1 Haier Road, Qingdao 266101 P.R. China

WEBSITE

www.haier.com



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

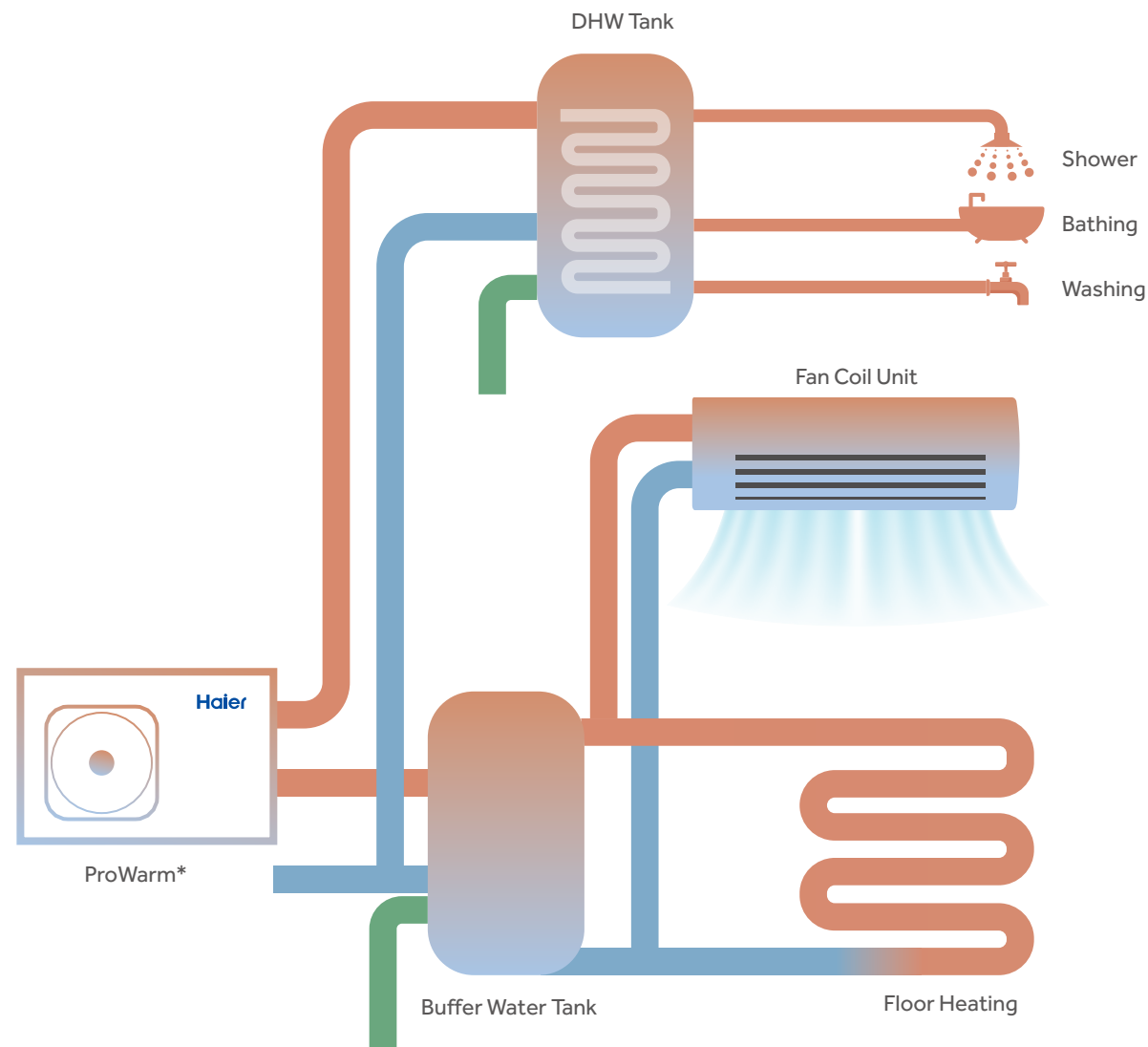
ONE SYSTEM FOR ALL YOUR NEEDS



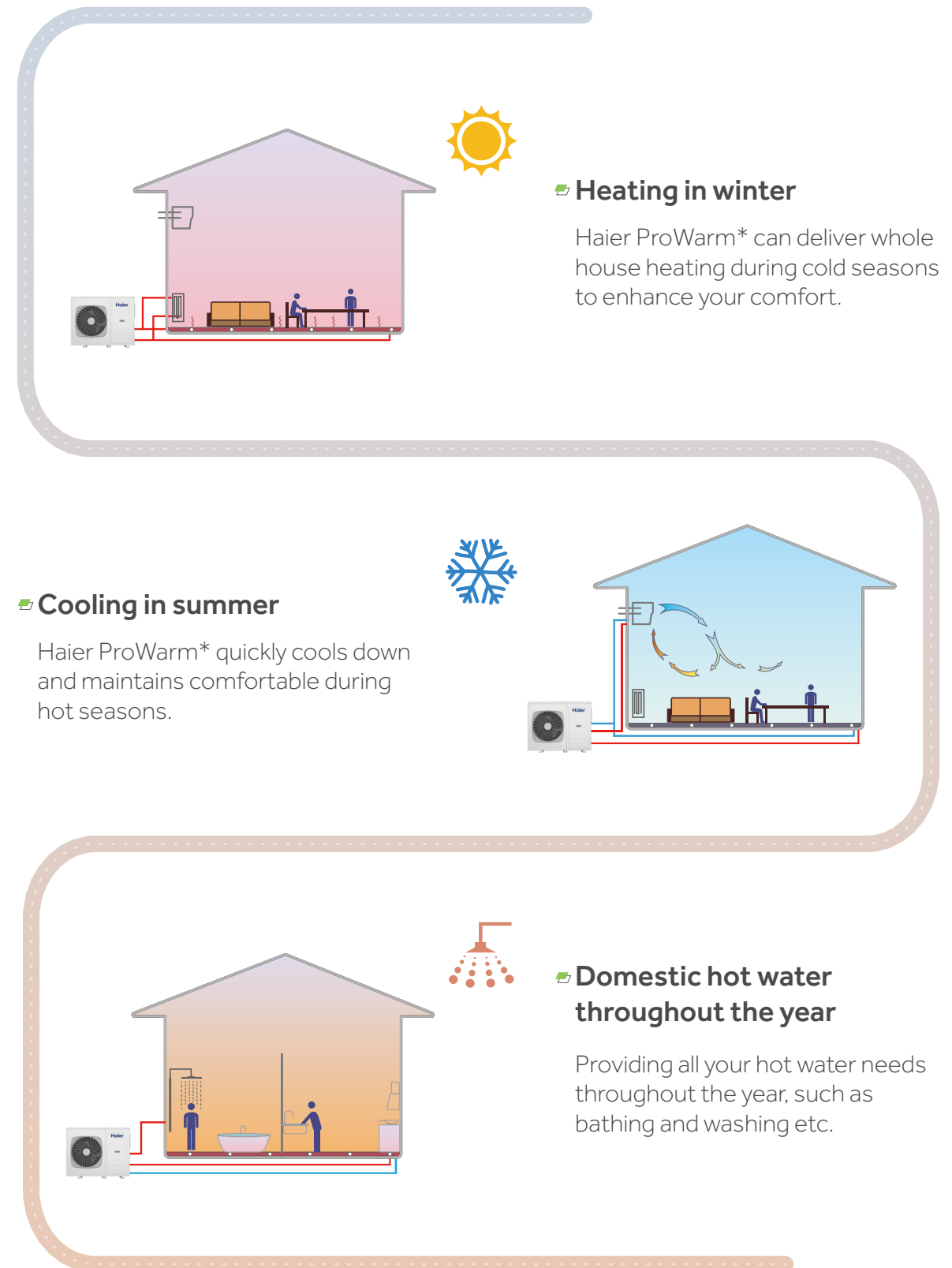
ProWarm*

Heating, Cooling and Domestic Hot Water in One System

Haier ProWarm* is an integrated system that provides everything your home needs: heating, cooling, and domestic hot water. It is also the ideal alternative for traditional gas or fuel oil heating, allowing you to enjoy delightfully warm and perfectly hot water throughout the year.



* One system, for reference



GREEN FOR YOU AND THE EARTH

The new natural refrigerant, R290,
An environmentally friendly choice,
Reduces carbon emissions,
Contributing to the global goal of carbon neutrality.

Furthermore,
With its higher efficiency,
It not only lowers your energy bills,
But also helps protect our planet.

By opting for R290,
We embrace sustainable well-being,
Creating a better world for today and tomorrow.

R290 REFRIGERANT

MORE ECO-FRIENDLY

In order to achieve carbon neutrality and mitigate global warming, Haier ProWarm* uses the R290 natural refrigerant, which has a lesser impact on global warming and is harmless to the ozone layer compared to other synthetic alternatives. This enables Haier ProWarm* to offer sustainable, green, and comfortable hot water solutions.



Natural, Non-toxic and Free of Ozone-depleting

R290 is a high-purity propane refrigerant with a global warming potential (GWP) of 3, which means it will not contribute to ozone depletion as much as other options. It meets the environmental regulations of multiple countries, making it an Eco-friendly choice.



Excellent Thermodynamic Performance

Moreover, R290 refrigerant offers excellent thermodynamic performance, enabling higher water temperatures to meet various application demands.



WARMTH, COMFORT, AND TOTAL
PEACE OF MIND IN YOUR HOME

HIGH WATER TEMPERATURE

Maximum Water Temperature 75°C, Meets the Demands for Multi-point Water Usage

Haier ProWarm* can be combined with underfloor heating, fan coil units, radiators, and water tanks. With a high temperature of 75°C, it is capable of providing optimal temperature and an endless stream of hot water throughout the year, even when using old cast iron radiators.




Tailored to Your Needs



Underfloor heating


 > 35°C

 Uniform temperature rise, keeping your home consistently comfortable



Fan coil unit


 > 45°C

 Gentle airflow, comfortable and non-drying



Radiator

 > 50°C

 Warm air is distributed throughout the space, providing comfort even in faraway corners



PROWARM* IS COST-EFFECTIVE,
ENERGY-EFFICIENT OPTION AVAILABLE FOR YOU

HIGH EFFICIENCY

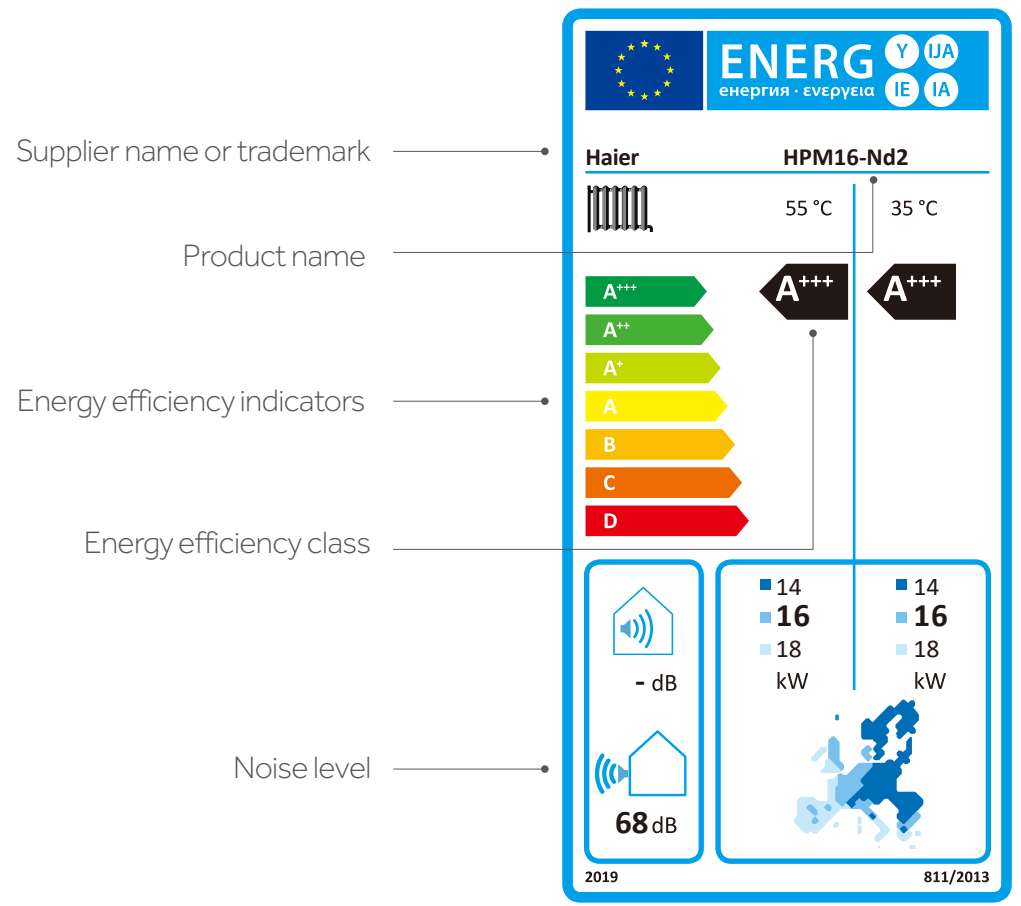
ERP Directive double A+++

Haier ProWarm* achieves the best performance up to A+++ energy rating, as illustrated in the product label.

*Under the condition of A7W35 and A7W55, the energy efficiency class achieves A+++

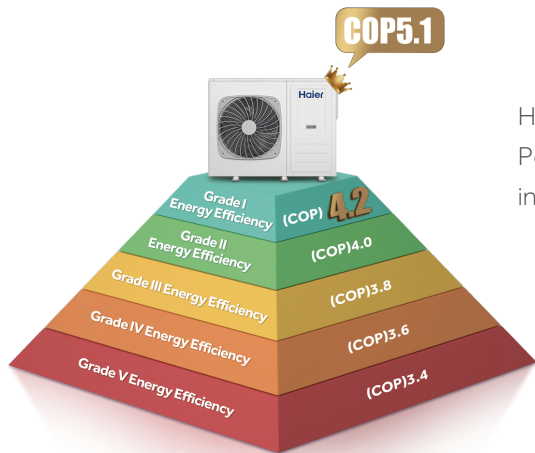


How to read a product label



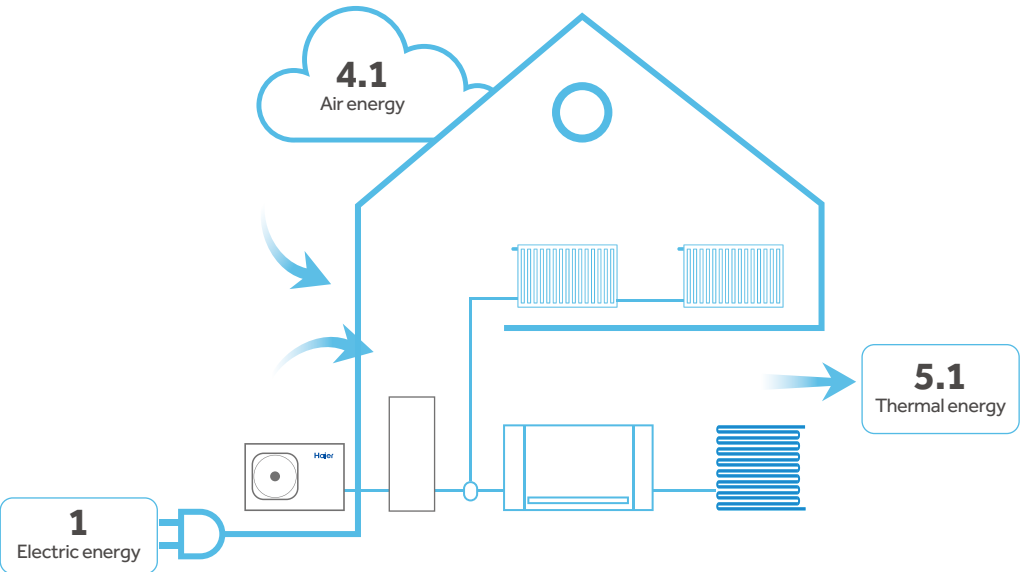
COP 5.1, Save up to 80% Energy

High efficiency means low energy costs, Haier ProWarm* can greatly reduce energy bills for users.



Heating system efficiency is measured by the Coefficient of Performance (COP). Thanks to the use of high efficiency inverter compressor, the COP is as high as 5.1.

Haier ProWarm* can extract free heat from the surrounding air to provide efficient heating, cooling, and domestic hot water for your home, saving up to 80% energy.



Four Technologies for Energy-saving Performance

The technologically advanced Haier ProWarm* takes a step ahead in efficiency and sustainability.



Full Inverter Technology
Significantly improve the energy-saving effect by 15%



EVI (Enhanced Vapor Injection)
The heating efficiency is increased by more than 10% in a low-temperature environment



Vacation Mode
When the mode is activated, the system enters a state of low water temperature anti-freezing, and the room is preheated before it shuts down



Night Mode
Entering a low-frequency operation mode at night enhances energy efficiency and ensures a quiet and undisturbed environment



**PROWARM* WORKS EFFICIENTLY AT VERY LOW
OUTSIDE TEMPERATURES AND SUPPLY
EVERYTHING YOUR HOME NEEDS**

STABLE & RELIABLE

Outstanding Performance in Every Condition

Haier ProWarm* is capable of efficiently providing house heating, cooling, and domestic hot water even under extreme cold climates. It can be used in most regions of Europe,

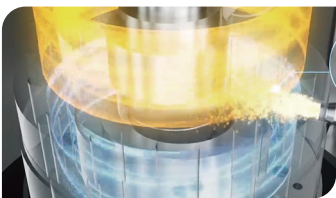


High-quality Compressor



Panasonic compressors ensure reliable performance for ideal home comfort, every day.

EVI (Enhanced Vapor Injection)



With EVI technology, the heating performance is still excellent in low-temperature environments.

- Without attenuation in heating performance even at -10°C.
- Supply hot water at 75°C with outdoor temperatures down to -15°C.
- Stable operation in an ultra-cold climate, in fact even as low as -30°C.

Multiple Anti-freezing Protection

By implementing multiple anti-freezing technologies, such as water pump circulation, system circulation, and chassis heating, the temperatures of the main unit and pipes are automatically monitored. The heat pump will automatically heat to 15°C when the ambient temperature is lower than 2°C and the water temperature is lower than 7°C. This feature prevents the system from freezing.



Water pump circulation

When the ambient temperature is less than or equal to the anti-freezing temperature, the circulating water pump starts running.



System circulation

Automatically monitors the temperatures of the main unit and pipes to prevent system from freezing.



Chassis heating

Optimize the evaporator flow path, heat the chassis to prevent frosting at the bottom, and simultaneously optimize the air outlet to reduce air flow resistance, resulting in stronger heat exchange and more even defrosting.

Smart Defrost

Monitors the operating temperature through multi-touch sensors and performs smart defrost on demand to prevent invalid operation. It is more effective and energy-saving than scheduled defrost.

The Smart Defrost Module

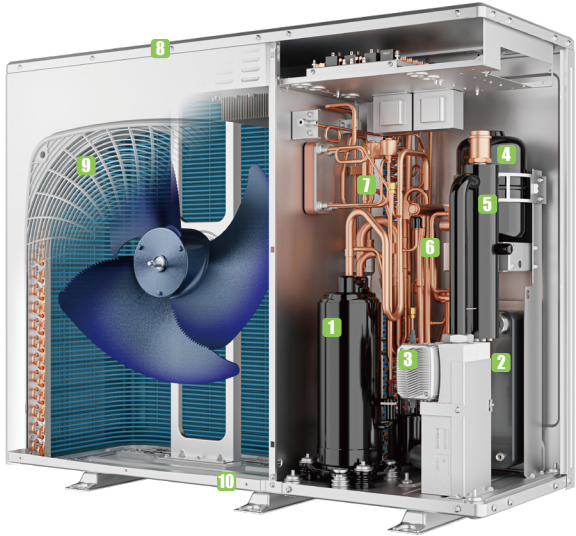


INTEGRATED EASY INSTALL

All-in-one Design and Easy Installation

Haier ProWarm* includes water pump, electric heating element, expansion tank, and exhaust valve etc., and does not require third party components. This allows for faster and easier installation compared to traditional systems.

Thanks to the integrated design, the installation space is minimized both in terms of footprint and height.

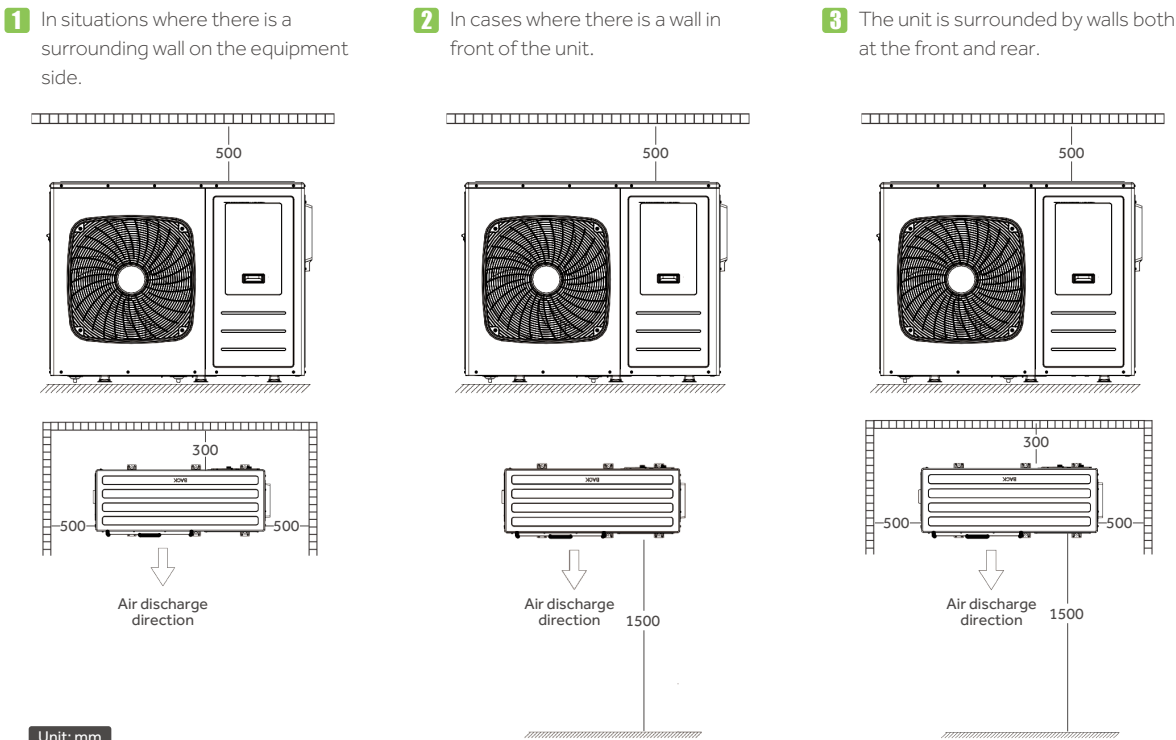


- | | |
|-----------------------------|------------------------|
| 1 Compressor | 6 Exhaust valve |
| 2 Plate heat exchanger | 7 Pipes |
| 3 Inverter circulating pump | 8 Casing |
| 4 Expansion tank | 9 Fan |
| 5 Electric heating element | 10 Wooden base support |

Installation scenario

Installation Space——"Single-unit Set"

The top of the unit and the side of the connection box require a reserved maintenance space of 500mm.



*Actual equipment purchased should be referenced.

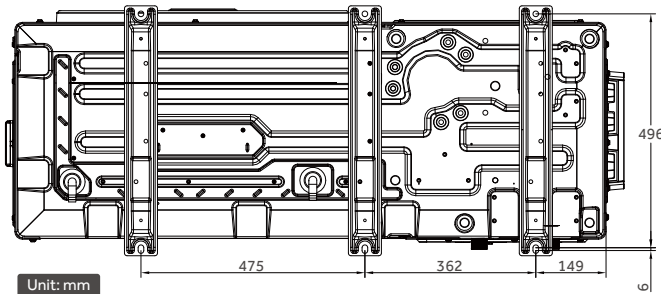
Installation Foundation

The design of the outdoor unit foundation structure should take into consideration the following factors:

- The base is designed to prevent excessive vibration and noise. The outdoor unit base should be constructed on solid ground or on a structure with sufficient strength to support the weight of the unit.
- The foundation should be at least 130mm high and 90mm wide, with drainage channels provided to prevent water from entering the chassis. Both steel and concrete foundations can be employed.
- The bolts securely fasten the device to the foundation, with the bolt height protruding 20-22mm above the foundation surface.

Installation Dimensions

- The base is designed to prevent excessive vibration and noise. The outdoor unit base should be constructed on solid ground or on a structure with sufficient strength to support the weight of the unit.
- The foundation should be at least 130mm high and 90mm wide, with drainage channels provided to prevent water from entering the chassis. Both steel and concrete foundations can be employed.

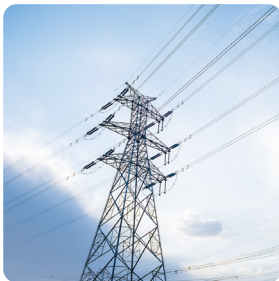


POWERFUL & MONEY SAVINGS

Combinable with Other Heat Sources

Haier ProWarm* can also be connected to various heat sources such as solar collectors, gas furnaces, and boilers, providing the highest efficiency and lowest cost operation.

Electric



Gas



Solar



Save energy by Saving Mode

SG Mode

The Smart Grid will enable significant improvements in electric power reliability and quality through the reduction of peak power demand.

HC Mode

Heating water during off-peak demand periods, ensuring available hot water at the lowest possible cost.

PV Mode

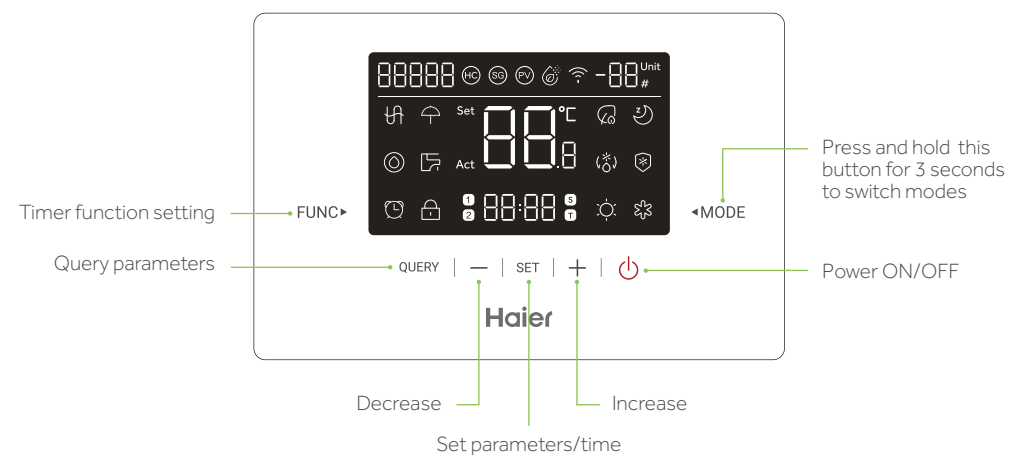
Select PV power to save electricity cost, three PV Modes by panel specifications.

- Heat pump work with electric heating
- Electric heating only starts when heat pump power is not enough
- Only electric heating



USER-FRIENDLY

Easy Interaction, More Intuitive Experience



Electric Auxiliary Heating

Electric auxiliary activated, maximum heating reaches 75°C



Return Water Function

When the return water function is activated, this icon will light up



Timer Mode

When the timer starts, this icon will light up



Vacation Mode

While the system is in Vacation Mode, this icon will light up



Domestic Hot Water Mode

While the system is in Domestic Hot Water Mode, this icon will light up



Child Lock

Lock the screen, providing added safety



Energy-saving Mode

Operate in high-efficiency mode



Smart Defrost Mode

Automatic defrost



Heating Mode

While the system is in Heating Mode, this icon will light up



Quiet Mode

Low-frequency operation during the night



Anti-freezing Mode

When the ambient temperature is less than or equal to the anti-freezing temperature, the circulating water pump starts running



Cooling Mode

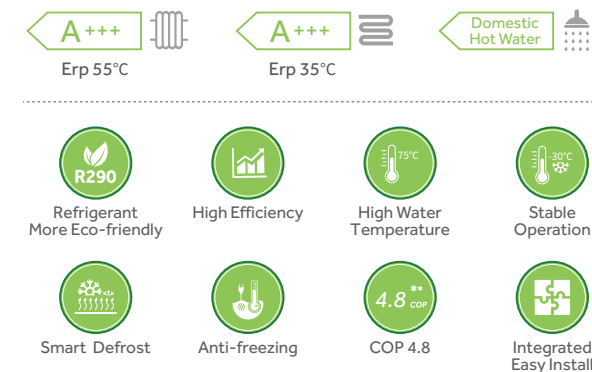
While the system is in Cooling Mode, this icon will light up



Sterilization Mode

Tank sterilization: High-temperature sterilization at 65°C-75°C (default at 65°C)

TECHNICAL PARAMETERS



Model			HPM08-Nd2	HPM10-Nd2	HPM12-Nd2	HPM14-Nd2	HPM16-Nd2
Intended use of the units			Low and medium temperature application				
Power supply		V / Ph / Hz	220-240/1/50				
Heating (AT7/6, WT30/35)	Capacity	kW	8	10	12	14	16
	Rated power input	kW	1.62	2.08	2.45	2.74	3.25
	COP	kW/kW	4.95	4.8	4.9	5.11	4.92
Heating (AT7/6, WT47/55)	Capacity	kW	8	10	12	14	16
	Rated power input	kW	2.42	3.03	3.43	4.24	5.0
	COP	kW/kW	3.3	3.3	3.5	3.3	3.2
Cooling (AT35, WT23/18)	Capacity	kW	8	10	11.4	14	16
	Rated power input	kW	1.63	2.15	2.78	2.74	3.33
	EER	kW/kW	4.9	4.65	4.1	5.11	4.8
Cooling (AT35, WT12/7)	Capacity	kW	8	10	11.4	14	16
	Rated power input	kW	2.5	3.33	4.07	4.52	5.51
	EER	kW/kW	3.2	3.0	2.8	3.1	2.9
SCOP	Average climate	35°C	4.9	4.9	4.9	5.2	4.9
	Average climate	55°C	3.85	3.85	3.85	3.9	3.9
Season space heating energy efficiency class	Average climate	35°C	A+++	A+++	A+++	A+++	A+++
	Average climate	55°C	A+++	A+++	A+++	A+++	A+++
SEER	Fan coil application	7°C	4.5	4.5	4.5	5.1	5.1
	Cooling floor application	18°C	6.3	6.5	6.2	7.0	7.0
Refrigerant	Type	-	R290				
	Charge	kg	1.3	1.3	1.35	1.95	1.95
E-Heater Backup		kW	3.0	3.0	3.0	6.0	6.0
sound pressure(1m)		dB	45	49	51	51	51
Water pump	Rated water flow	m3/h	1.38	1.72	2.06	2.41	2.75
	Total water head	m	12.5	12.3	12	11.5	11.1
	Available water head	m	9	8.8	8.5	8	7.6
Maximum working pressure of refrigerant		Mpa	0.85/3.2				
Water side safety valve		Mpa	0.6	0.6	0.6	0.6	0.6
Water proof grade		/	IPX4				
Water side connection		in	1	1	1	1	1
Net dimension	W*D*H	mm	1312x470x990			1312x470x1370	
Package dimension	W*D*H	mm	1362x567x1167			1362x567x1560	
Ambient temperature range	Cooling	°C	10-48				
	Heating	°C	-30-35				
	DHW	°C	-30-43				
Leaving water temperature range	Cooling	°C	5-25				
	Heating	°C	24-75				
	DHW	°C	30-60				