AMITIME®

Prepare for low-carbon life

AMITIME ELECTRIC CO., LTD

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AMITIME
Heat Pump Solution

https://www.amitime.com/

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Contents

COMPANY ADVANTAGE

Company Profile

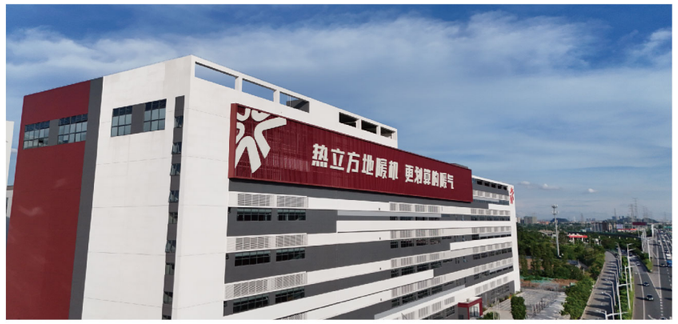
AMITIME was set up in 2003, and is a professional manufacturer in China and a leading supplier of developing and providing energy saving equipment and cost-efficient solutions for global market.

AMITIME has established an effective and dynamic platform for development and manufacturing, and has reached strategic cooperation with ES, Parker Davis and other international heat pump and air conditioning companies. Through a wider European and global perspective, the joint cooperation has been very competitive and commercial successful to strengthen our leading position for overseas market.

AMITIME has worked in the R&D of air source heat pump with DC inverter compressor technologies for more than 22 years. As one of the pioneer developers of DC inverter heat pump, AMITIME has successfully launched four products series, including DC inverter air source heat pump, commercial inverter heat pump, swimming pool heat pump, and fan coils.

AMITIME continually caters to the demand of customers, and becomes very professional on providing OEM/ODM solution to our international distributors and partners, and keeps on delivering most competitive, high energy efficient, good quality and cost effective products for global market.

Amitime Manufacturing Center in Zhongshan, Guangdong



Amitime Manufacturing Center in Foshan, Guangdong

MISSION

Contribute to the sustainable development of human society with the world's leading heat pump technology and applications.

VISION

To be a company with happy employees materially and mentally.
To be the global leading company in heat pump industry.

VALUES

Being a company of integrity, kindness, innovation and struggle.

Founded 22 years ago

Established in 2003, Amitime has always adhered to the development of the heat pump industry.

High quality and best service

Amitime is committed to providing the best poducts and services to the customers.

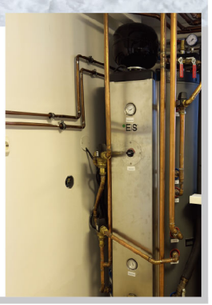
Booster carbon neutralization

Green energy, enjoy your green life

Over
46
Countries

Over
2,000
Partners

Over
22
years experience



First full DC inverter heating heat pump

Amitime's groundbreaking first full DC inverter heat pump, launched in 2004 and installed in Norway, has excelled in stable operation for nearly two decades. This pioneering system underscores our leadership in innovative heating solutions that combine efficiency, reliability, and longevity.
This flagship product exemplifies our commitment to advancing heat pump technology for sustainable living.

Customization Services

We provide customers customization services for heat pump structure and casing design, different solutions for functions, software development, etc.,
We provided high quality and competitive heat pump products to thousands of customers worldwide to meet different market and customer demands.

- Directed development

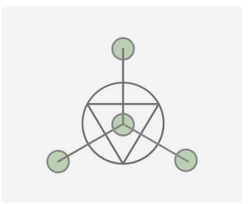
Increase investment in the research and development of high-efficiency, energy-saving and environmentally friendly heat pump technologies to improve the performance and reliability of heat pump products.

- Standard product orientation reformulation

Appearance customization

Control system customization

Performance customization



Components customization

R&D team

Our esteemed R&D team, boasting a prestigious lineage from Tsinghua University, forms the backbone of our innovation-driven culture. With a significant portion of our workforce, approximately 35%, dedicated to research and development, and an unwavering commitment to invest over 23% of our annual revenue into R&D, we are at the forefront of creating cutting-edge, high-end heat pump solutions. Our global impact is evident, having already provided our services to millions of households across the globe. Various achievements from the government and relevant authorities, showcasing our team's relentless pursuit of
excellence and innovation.

Testing facilities

Amitime has a total of 35 professional heat pump laboratories, which meet the certification standards of international organizations such as TUV and Intertek, and can comprehensively test heat pump units up to 300kW in strict accordance with relevant standards. -45℃ ultra-low temperature laboratory, which can realistically simulate the extreme environment of -45℃~85℃ and provide heating solutions for different climate regions around the world.

- 16 sets of TUV standard test labs
- 12 sets of long term running test labs
- Unit capacity ⩽300kW
- Test ambient temperature: -45~85℃
- 10,000 m³/h airflow testing equipment

Fast delivery

The company is located in the heart of the Pearl River Delta, has a mature and stable supply chain system, with the world's top brands, stable cooperation for more than 16 years with hundreds of heat pump parts suppliers, to ensure high quality and fast delivery.

Quality control

Equipped with a rigorous quality control system, AMITIME ensures every heat pump product meets customers' needs. Holding ISO9001, ISO14001, and ISO45001 certifications, we're dedicated to quality, environmental responsibility, and occupational health & safety. As a leading global brand, our extensive international certifications, including CE, ErP, Q-LABEL, Keymark, MCS, BAFA, and more, underline our commitment to global excellence.

LINE UP

Residential air to water heat pump

EcoSTAR Series

M-HB

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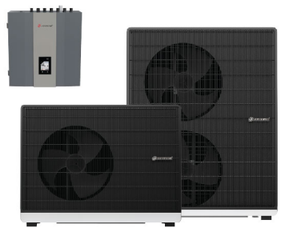

M-CB

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M-AIO

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M-FM

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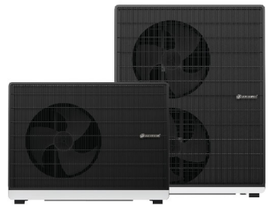

75°C

Supply high water temperature up to 75 °C

-25°C

Lowest applicable ambient temperature

A+++

With full inverter technology it reaches A+++ energy level and SCOP is up to 5.3

LINE UP

Residential air to water heat pump

EcoSTAR Pro Series

M-HB

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M-CB

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M-AIO

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M-FM

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75°C

Supply high water temperature up to 75 °C

-7°C

Full power till -7°C

A+++

With full inverter technology it reaches A+++ energy level and SCOP is up to 5.3

LINE UP
Residential air to water heat pump

HeatSTAR+ Series

M-HB
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M-CB
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M-AIO
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M-FM
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S-HB
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S-AIO
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58°C
Supply high water temperature up to 58 °C

-25°C
Lowest applicable ambient temperature

A+++
With full inverter technology it reaches A+++ energy level and COP is up to 5

LINE UP
Residential air to water heat pump

HeatLITE Series

M-FM
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58°C
Supply high water temperature up to 58 °C

-25°C
Lowest applicable ambient temperature

A+++
With full inverter technology it reaches A+++ energy level and COP is up to 5

LINE UP
Commercial air to water heat pump

PowerSTAR Series

PowerSTAR+
Page43

75°C
Supply high water temperature up to 75 °C, R410A range with 58°C

-25°C
Lowest applicable working ambient temperature

PowerSTAR
Page43

A+++
With full inverter technology and reaches A+++ energy level, R410A range with A++

LINE UP
Swimming pool heat pump

Pisces FI
Page49

Taurus FI
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Gemini FI
Page51

6.5
COP under A26/W26 condition is up to 6.36

19dB(A)
Sound pressure level at 10m low to 19dB(A)

Wi-Fi
Smart and remote control by Wi-Fi/APP

LINE UP
Heat pump water heater

Heat pump water heater

AquaSTAR Series
Page53

75°C
High water outlet temperature 75°

2 designs
Top air outlet and side air outlet

A+
The highest energyefficiency level of AMITIME water heaters can reach the EU Energy Efficiency A+ Level, which ensures that users can get a better experience at a lower cost.

LINE UP
Fan coils

Fan Coil Series

BM Fan Coil
Page55

SU Fan Coil
Page55

130mm
Slim design only 130mm thickness

18.3dB(A)
The lowest sound pressue level at 1.8m can be 18.3dB(A)

2 designs
Metal or plastic casing

Residential Heat Pump

--EcoSTAR Series

R290

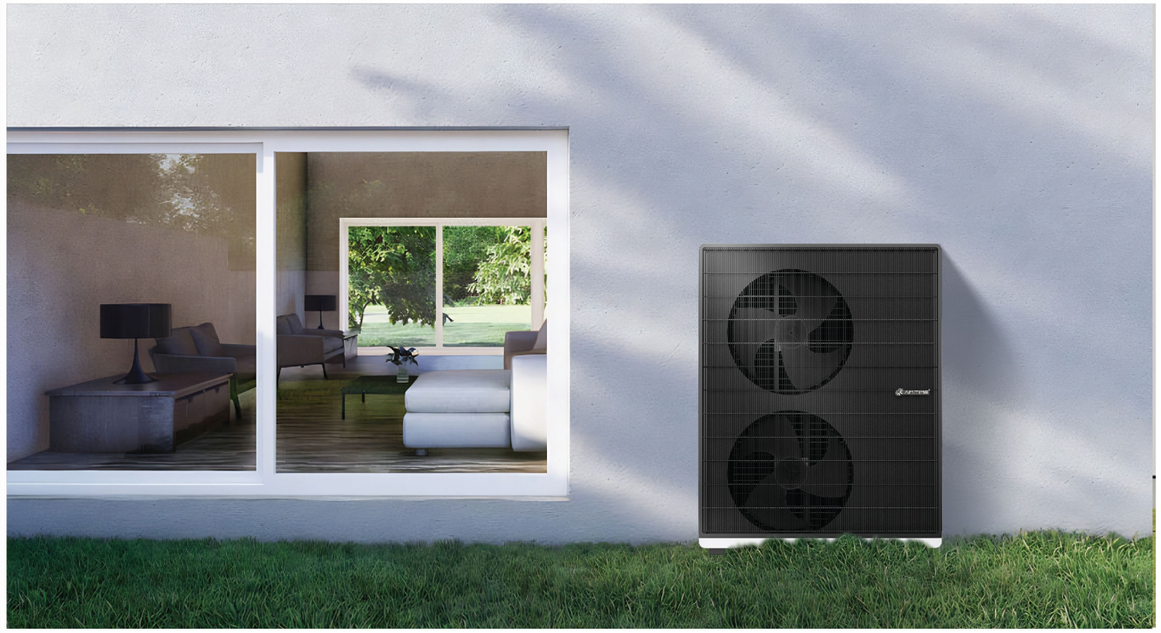
R290 ECO refrigerant

A+++

A+++ energy label

High water outlet temperature 75°

EcoSTAR is Amitime R290 residential air to water heat pump series. It can supply heating, cooling and domestic hot water. If you want to heat in an environmental friendly and cost-efficient way, do not miss the chance with EcoSTAR heat pump. This new arrival comes with a great performance, provides a consistent supply of hot water up to 75°C, making the range ideal for renovations and retrofits.
Multiple usages and different models let EcoSTAR suit worldwide market.



Intelligent control

With a 7" colorful portrait touchscreen, supports cascade solution and more powerful functions. And as it is designed like a smart phone, it makes end uders use it more friendly and easily to understand.

Quiet operation

Noise level is the most important development part for Amitime, so we put a lot effort for unique technical points for a quiet living space.

Various structure

Capacity range from 6 to 20 kW for renovation and large new buildings

After sales platform

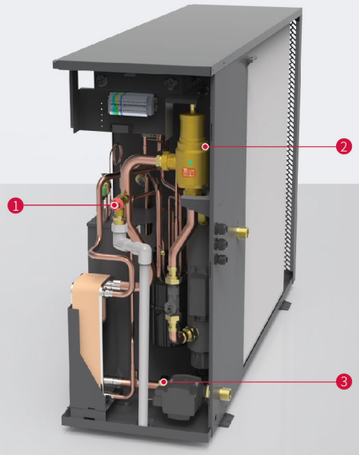
For installer and service providers, we have background website platform which can easily manage the work, and give advice to users easily. This is a big saving for after sales investment.

EcoSTAR Series

System introduction

As CE compliance required, for the safety of heat pump system, the R290 gas volume indoors is not allowed to exceed 150g due to the flammable and combustible characteristic for this gas. We add three safety devices to prevent leakages to indoors mechanically and make sure 100% gas safety.

The whole logic is:
When the refrigerant leakage occurs inside the plate heat exchanger, the Pressure release valve will discharge the leaked refrigerant, through Refrigerant discharge pipe. The Gas seperator will give the signal feedback to main control board and the anti-leakage logic will be activated immediately---power the electric two-way valve on and switch the water circuit ; compressor and water pump will turn off; fan motor keeps running to speed up the emission of leaked refrigerant, in order to prevent the leaked refrigerant from entering indoor (leakage amount should be less than 150g) and make sure the safety of the system.



Key components for system safety

Pressure release valve

When the pressure in the water system is greater than 2.5bar, quickly drain the gas and water from the system to reduce the pressure.

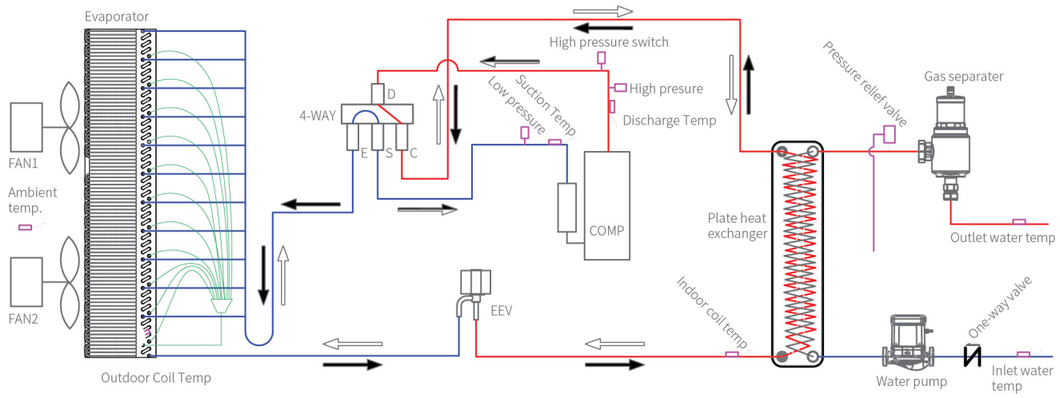
Gas separator

Exhaust the gas when it is detected inside the water system.

One-way valve

Prevent refrigerant or water from flowing back into the water system in the indoor side.

Application



Heating refrigerant flow direction

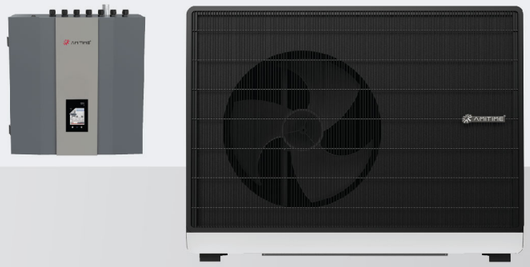
Cooling refrigerant flow direction

Heating / Cooling refrigerant flow direction

EcoSTAR Series
M-HB

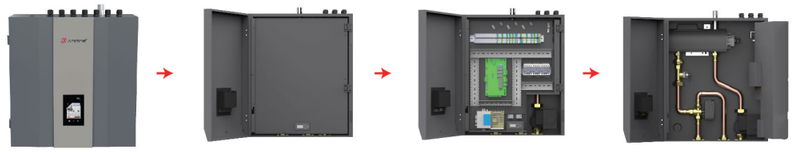
EcoSTAR M-HB means Hydrobox series under monoblock type.
You can find 3-way valve, operation panel, water pump and other ideal components in our hydro box. It is a perfect solution for new building.

- Supply high water temperature up to 75°C
- Attractive flat-panel design
- With WIFI module and APP control
- High energy efficiency and reaches A+++ energy level



Indoor unit structure

Front panel swings open like a door, making hydraulic system to be fully exposed, which provides sufficient space to work on any component inside the unit and easy access to the control system. All connections from controller are connected via terminal blocks, this allows the wiring and trouble-shooting work in the unit clearly and easily.

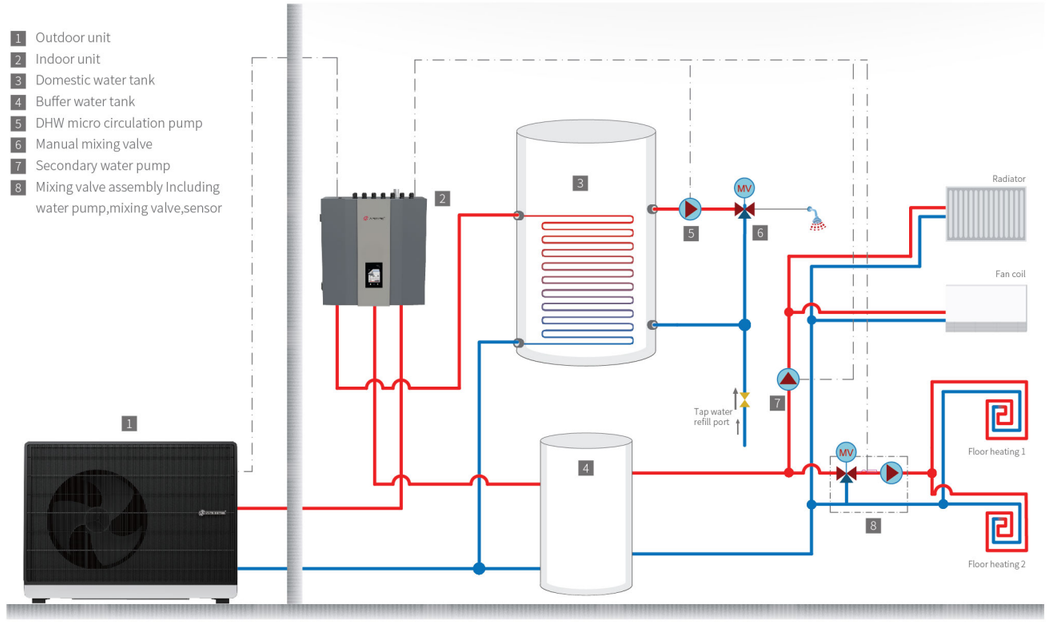


Models

Phase	Capcity(kW)	Internal unit		External unit	
1 phase	6	EcoSTAR06-12M-HB-I		EcoSTAR06M-HB-O	
	8			EcoSTAR08M-HB-O	
	12			EcoSTAR12M-HB-O	
3 phase	15	EcoSTAR15M-HB-I		EcoSTAR15M-HB-O	

Application

1 Outdoor unit
2 Indoor unit
3 Domestic water tank
4 Buffer water tank
5 DHW micro circulation pump
6 Manual mixing valve
7 Secondary water pump
8 Mixing valve assembly Including water pump,mixing valve,sensor



Powerful Functions

The upgraded 7'' touchscreen is equipped with a high-def panel and it's refreshingly smooth for operation. Options for horizontal and vertical screens, allowing customization and a multilingual menu. With smart and advanced features, the concise interface makes the operation of the heat pump effortless. It also plays well with other common control systems, meeting the diverse needs of various applications, and supports cascade control for larger setups.

Dual heating/cooling curves

Design the ideal temperature curves as you wish and precisely adjust the high and low temperature water systems

DHW storage

Timer and priority management for sanitary hot water, with anti-legionella function

ECO use for electric heater

Two-stage control and special logic to activate/stop electric heater, balancing comfort and energy saving

Real-time COP

View power consumption, output and COP values in real time, and clearly present energy efficiency statistics

SG-Ready

Intelligently select the most cost-effective solution based on the signals provided by the power grid in peak and valley time

Sleep and quiet mode

The quietest operations guarantee a peaceful environment and high-quality sleep

Smart defrosting

Sophisticated algorithms take into account ambient temperature, coil temperature and defrosting time

Cascade

One operation panel manages up to 10 units. Combine the units to increase capacities freely

Modbus

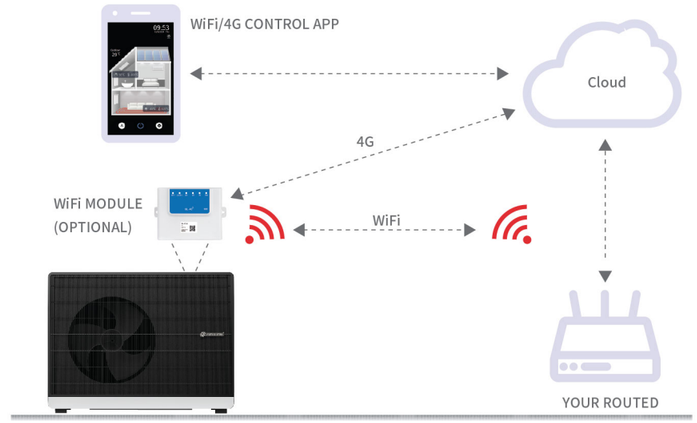
Easy to communicate with BMS for smart building

Wi-Fi solution

Combined with 4G and WiFi dual-mode networking, the remote control function of our device allows you to freely choose the networking mode, no matter where you are, always keep the device efficient operation and real-time monitoring.

Simple operation for various functions

- On/Off unit
- Operation Mode Selection
- Current temperature
- Set temperature
- Energy Monitoring



Remote service possibility

Via the wifi function included in the unit, the system can always have the latest firmware inside.

Save time and cost
- One time visit with right parts
- No need pre-visit for diagnosis

Quality service
- Better service to end users with accurate diagnosis and fast repair

Increased business opportunity
- Combine product + service offer
- Make more installation / repairs

Enjoy peace of mind
- Be serviced at once or faster
- Be confident that immediacy and quality service will be provided in case of an error

Less constraints
- No need to be at home for first diagnosis
- Monitor the operation status and control the system remotely

EcoSTAR Series
M-CB

At present R290 is one of the best refrigerant available for mass production, because of its negligible Global Warming Potential (GWP=3), zero Ozone Depression Potential (ODP), and less load for the same performance.
The M-CB series, with controller box, makes the wiring of the unit more easily, and puts the controller inside of the house for easy operation.

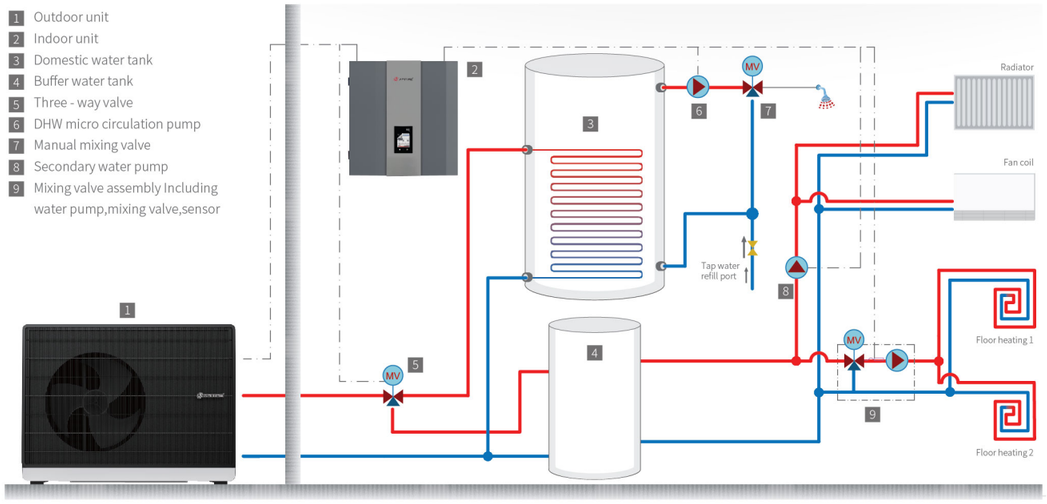
- Full Monoblock type with controller box for easy installation and control
- Low noise solution with DC fan motor and improved air duct system
- Environmental friendly with low GWP of 3

Models

Phase	Capcity(kW)	Internal unit		External unit	
1 phase	6	EcoSTAR06-15M-CB-I		EcoSTAR06M-CB-O	
	8			EcoSTAR08M-CB-O	
	12			EcoSTAR12M-CB-O	
3 phase	15			EcoSTAR15M-CB-O	

Application

1 Outdoor unit
2 Indoor unit
3 Domestic water tank
4 Buffer water tank
5 Three - way valve
6 DHW micro circulation pump
7 Manual mixing valve
8 Secondary water pump
9 Mixing valve assembly Including water pump,mixing valve,sensor

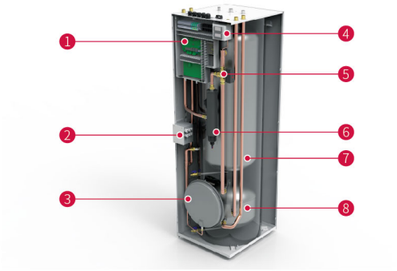


EcoSTAR Series
M-AIO

The latest all-in-one system is a monoblock system combining a 200L water tank, 50L buffer tank, and 10L expansion vessel in the indoor section. It makes installation and use more convenient, and simplifies installation and space to the maximum extent.

- Supply high water temperature up to 75°C
- With Wi-Fi module and APP control
- High energy efficiency and reaches A+++ energy level

Components



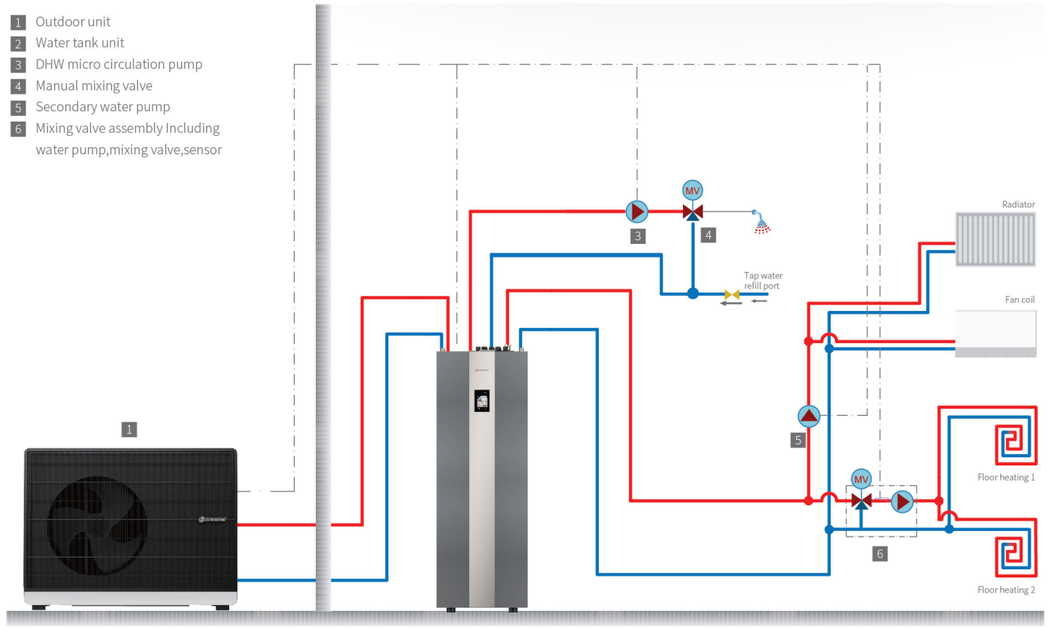
1. Electrical box
2. AC contactor
3. 10L expansion vessel
4. Digital thermostat
5. Three-way valve
6. 9kW electric heater
7. 200L DHW tank
8. 50L buffer tank

Models

Phase	Capcity(kW)	Internal unit		External unit	
1 phase	6	EcoSTAR06-12M-AIO-I		EcoSTAR06M-AIO-O	
	8			EcoSTAR08M-AIO-O	
	12			EcoSTAR12M-AIO-O	
3 phase	15	EcoSTAR15-AIO-I		EcoSTAR15M-AIO-O	

Application

1. Outdoor unit
2. Water tank unit
3. DHW micro circulation pump
4. Manual mixing valve
5. Secondary water pump
6. Mixing valve assembly Including water pump,mixing valve,sensor

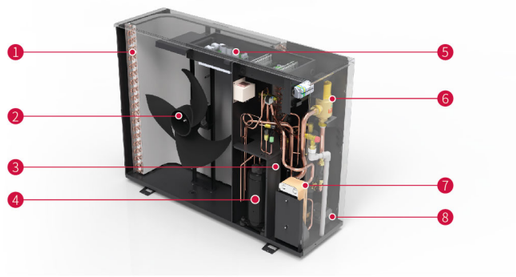


EcoSTAR Series
M-FM

Amitime EcoSTAR series is the best solution not only for new building, but also for retrofit house which with gas/oil boiler by lifting up the maximum heating temperature to 75°C, we don't need to change the existing heating distribution system, even for the house with old radiators inside.

- Full Monoblock type only with an outdoor unit
- Good performance with SCOP 5.3
- User-friendly controller

Components



1. Grey fin heat exchanger
2. Fan (with DC inverter fan motor)
3. Compressor sound shield
4. R290 twin rotary compressor
5. Electrical box
6. Gas separator
7. Plate heat exchanger
8. Water pump

Models

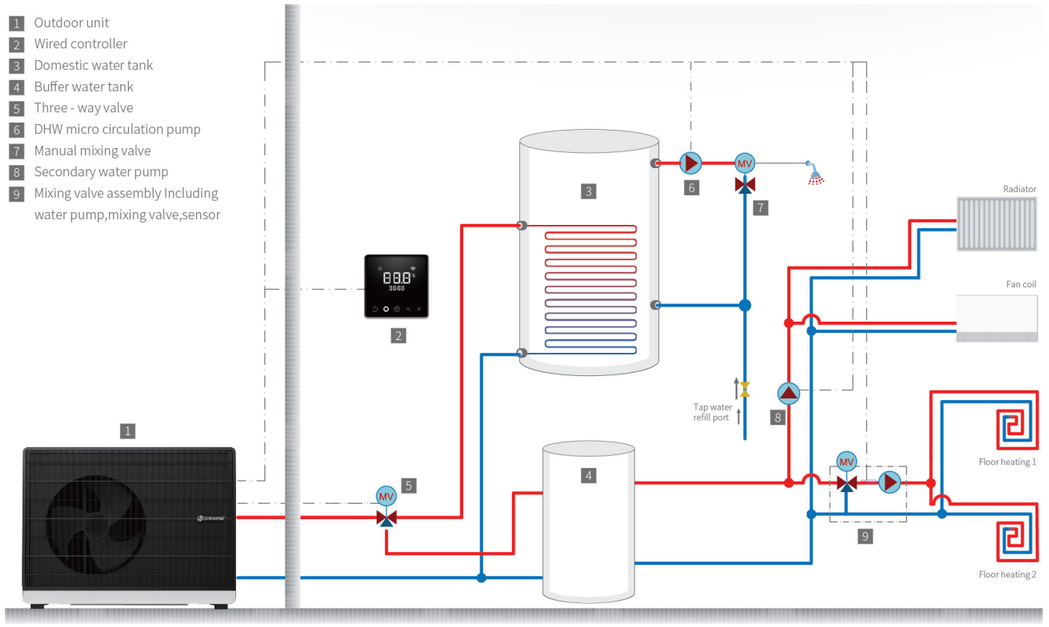
Phase	Capcity(kW)	External unit	
1 phase	6	EcoSTAR06M-FM-O	
	8	EcoSTAR08M-FM-O	
	12	EcoSTAR12M-FM-O	
3 phase	15	EcoSTAR15M-FM-O	

User-friendly Touchscreen Interface

With elegant design and simple icons, the operation panel provides user friendly experience along with interesting functions.

- Friendly operation
- Wi-Fi solution
- Heating curves
- Waterproof

Application



Residential Heat Pump

--EcoSTAR Pro Series

Full power
till -7°C

R290

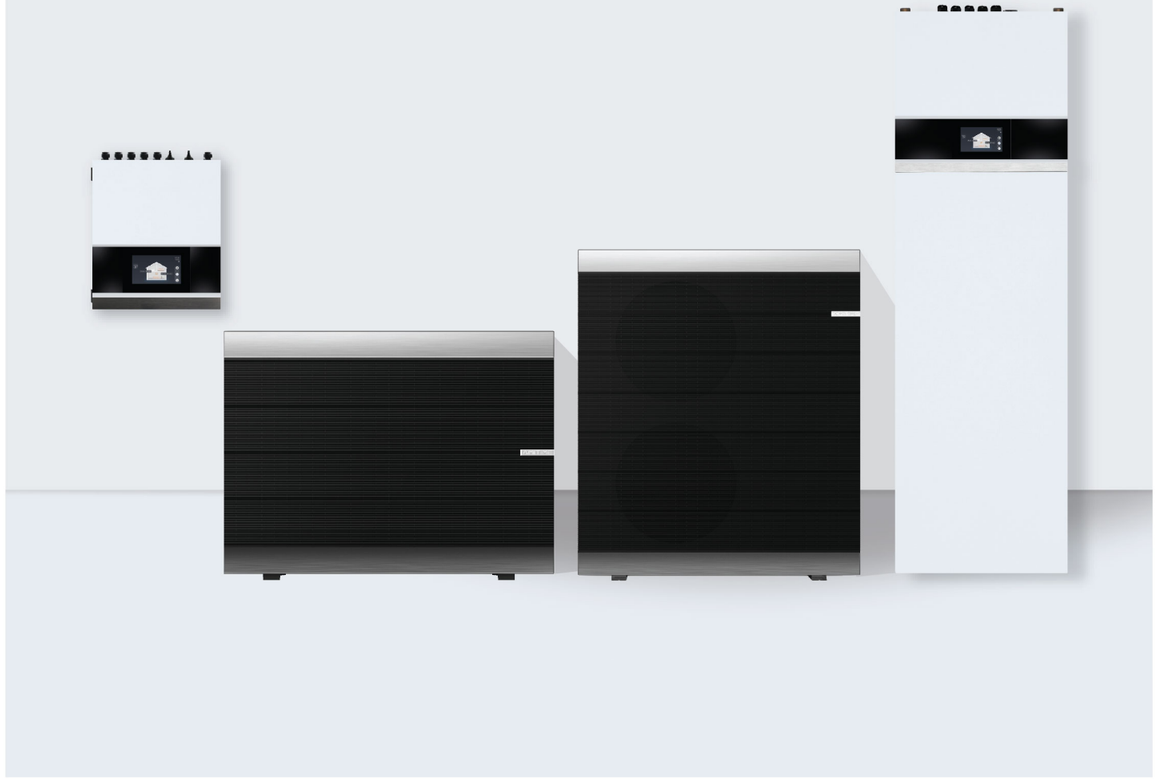
R290 ECO
refrigerant

A+++ 35°C
A+++ 55°C

A+++ energy
label

High water outlet
temperature 75°

EcoSTAR Pro is Amitime R290 residential air to water heat pump series. It can supply heating, cooling and domestic hot water. If you want to heat in an environmental friendly and cost-efficient way, do not miss the chance with EcoSTAR Pro heat pump. This new arrivals comes with a great performance, provides a consistent supply of hot water up to 75 ° C, making the range ideal for renovations and retrofits.
Multiple usages and different models let EcoSTAR Pro suit various installations.



A+++

A+++ Energy Level

High energy efficiency and stable performance.
With full inverter technology, it reaches A+++ energy level and COP is up to 5

Monoblock type

Perfect design includes all hydraulic components inside which means no third party components are required. Compact design allows for a small installation space and no need for any complicated installation like refrigerant piping work.

Quiet operation

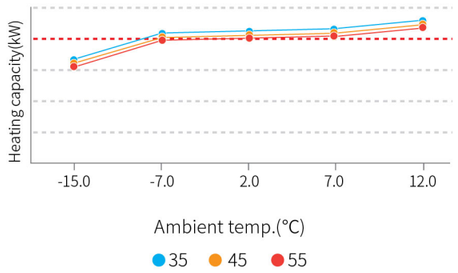
We take care of the conformation, and lots of unique technology skills to deliver a quiet living space.

Easy and fast installation

Water pipe connection only which is easy for installation

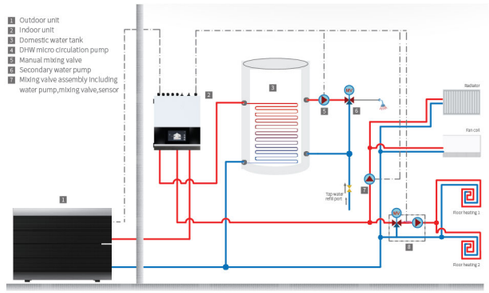
Reliable comfort

• 100% rated power @ -7°C
• 80% output @ -15°C



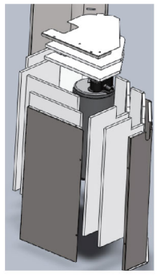
Low installation cost

Thanks to Amitime ESP inverter technology, buffer tank is not necessary for CH which reduces installation cost.



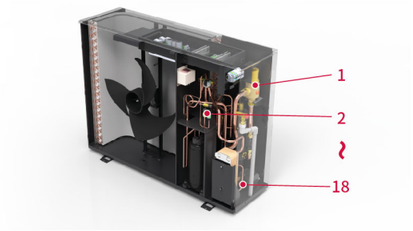
50dB(A) sound power level

Upgraded accoustic control solution effectively lowers noise level



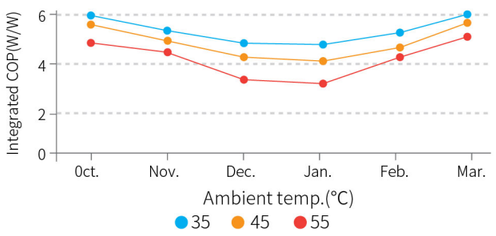
Safety first in operation

With 18 smart sensors, always keep system monitored and controlled



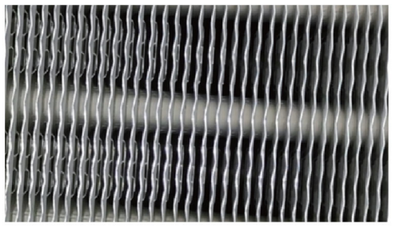
Low operation cost

Exclusive control to ensure units always work for best COP during operation.



30% higher heat exchange in same size

Unique design of evaporator with 30% more heat exchange area in same size.



Powerful Functions

Phase	Capcity(kW)	Series	External unit
1 phase	8	EcoSTAR Pro	EcoSTAR Pro 08M
	12		EcoSTAR Pro 012M
	15		EcoSTAR Pro 15M
3 phase	12		EcoSTAR Pro 012M
	15		EcoSTAR Pro 15M
	20		EcoSTAR Pro 20M

Remote service possibility

AMITIME's SMART HEAT Cloud Service enables customers to remotely monitor and control their heat pump system. Accessible from any PC, tablet, or smartphone, this intuitive service provides real-time insights of operation status, historical performance data, detection and diagnostic capabilities to ensure continuous comfort at home.

Real-time Monitoring and Control

- Adjust settings and manage heating system from anywhere, ensuring optimal comfort and efficiency.

Energy Efficiency Optimization

- Utilize advanced data analytics to optimize energy consumption and reduce cost.

Remote Diagnostics and Qualified Service

- Remote diagnostics with all historical data for effective and qualified service on site.

User-friendly Interface

- User interface designed for simplicity and ease of use.
- Accessing the platform via smartphone, tablet, or PC.

Residential Heat Pump

--HeatSTAR+ Series

R32
R32
refrigerant

A+++
A+++
energy label

Super
low noise level

Compared to R410A refrigerant, the R32 heat pumps have a GWP of only one-third, so its environmental performance is even better.
With high energy efficiency, heatSTAR+ series reaches A+++ energy level according to EU regulation. By making use of the heat in the outside air, we use much less energy while still enjoying a stable and pleasant level of comfort. Maintenance requirements are minimal making your running cost low. Thanks to the inverter technology, the energy savings are even greater.

A+++

A+++ Energy Level

High energy efficiency and stable performance.
With full inverter technology, it reaches A+++ energy level and COP is up to 5

Monoblock type

Perfect design includes all hydraulic components inside which means no third party components are required. Compact design allows for a small installation space and no need for any complicated installation like refrigerant piping work.

Quiet operation

We take care of the conformation, and lots of unique technology skills to deliver a quiet living space.

Easy and fast installation

Water pipe connection only which is easy for installation

HeatSTAR+ Series
M-HB

Amitime's heatSTAR+ system has been developed with the idea for maximum possible energy saving, by its ultra-high scope rating and quiet operation.
The monoblock system with a hydro internal unit, which is easy for installation and no additional refrigerant piping requirement. It can be simply plumbed to your house's heating system by using water connections.

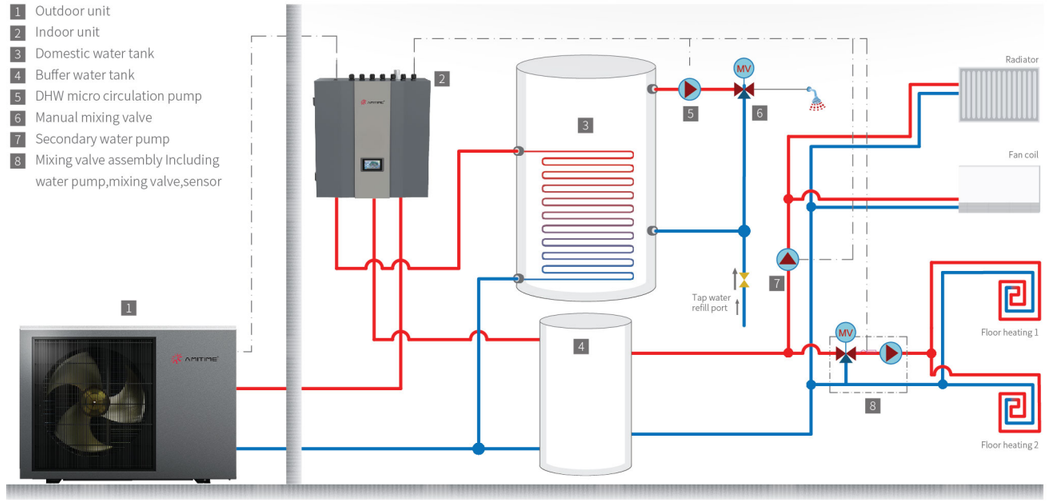
- Water pipe connection only which easy for installation
- Work down to -25 ℃
- High energy efficiency with A+++ energy level

Models

Phase	Capcity(kW)	Internal unit		External unit	
1 phase	6	HeatSTAR06-12M-HB-I		HeatSTAR06M-HB-O	
	9			HeatSTAR09M-HB-O	
	12			HeatSTAR12M-HB-O	
3 phase	15	HeatSTAR15M-HB-I		HeatSTAR15M-HB-O	
	19	HeatSTAR19M-HB-I		HeatSTAR19M-HB-O	

Application

1 Outdoor unit
2 Indoor unit
3 Domestic water tank
4 Buffer water tank
5 DHW micro circulation pump
6 Manual mixing valve
7 Secondary water pump
8 Mixing valve assembly Including water pump,mixing valve,sensor



Powerful Functions

With a 4.3“ touch screen operation panel, EcoTouch can combine various heating equipment, to optimize the energy consumption of the entire system as a whole.
Its sophisticated control logic smartly manages the system components and allows the integration with other common control systems to satisfy the complex demands of various applications, for highly efficient operation while minimizing the power consumption.

Dual heating/cooling curves

Design the ideal temperature curves as you wish and precisely adjust the high and low temperature water systems

DHW storage

Timer and priority management for sanitary hot water, with anti-legionella function

ECO use for electric heater

Two-stage control and special logic to activate/stop electric heater, balancing comfort and energy saving

Real-time COP

View power consumption, output and COP values in real time, and clearly present energy efficiency statistics

SG-Ready

Intelligently select the most cost-effective solution based on the signals provided by the power grid in peak and valley time

Sleep and quiet mode

The quietest operations guarantee a quality sleep and peaceful environment

Smart defrosting

Sophisticated algorithms take into account ambient temperature, coil temperature and defrosting time

Room terperature control

The unit not only can be controlled by setting water temp, but also by room temperature

Modbus

Easy to communicate with BMS for smart building

HeatSTAR+ Series
M-CB

The M-CB series with controller box, it can help to make the wiring of the unit more easily, and put the controller inside of the house for easy operation. The monoblock system with a controller box, which is easy for installation and no additional water or refrigerant piping requirement. It can be simply plumbed to your house's heating system by using communication cable connections.

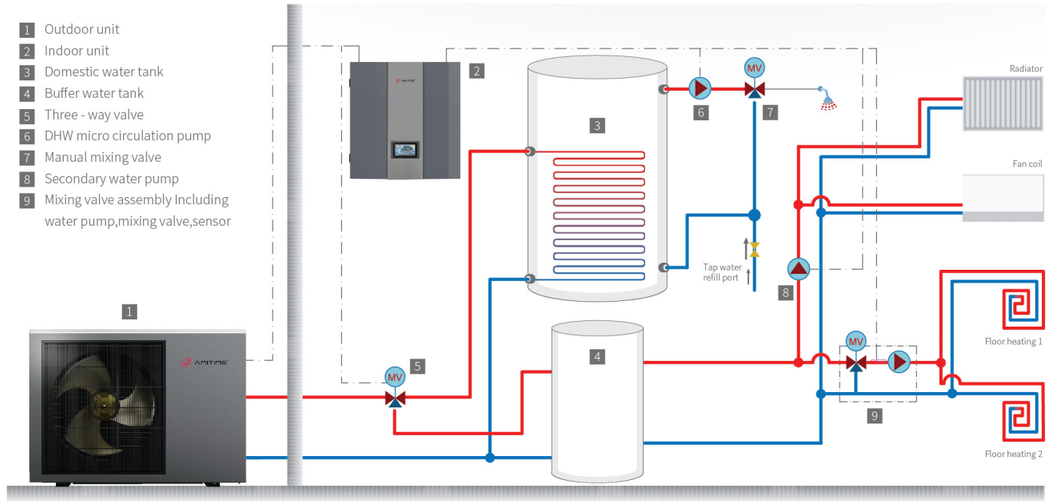
- Monoblock type with a controller box
- User-friendly touch screen interface
- With Wi-Fi module and APP control

Models

Phase	Capcity(kW)	Internal unit		External unit	
1 phase	6	HeatSTAR06-19M-CB-I		HeatSTAR06M-CB-O	
	9			HeatSTAR09M-CB-O	
	12			HeatSTAR12M-CB-O	
3 phase	15			HeatSTAR15M-CB-O	
	19			HeatSTAR19M-CB-O	

Application

1 Outdoor unit
2 Indoor unit
3 Domestic water tank
4 Buffer water tank
5 Three - way valve
6 DHW micro circulation pump
7 Manual mixing valve
8 Secondary water pump
9 Mixing valve assembly Including water pump,mixing valve,sensor



HeatSTAR+ Series
M-AIO

All In One System: is monoblock system combining a 250L water tank in its indoor section. This structure minimizes the installation space of the water tank in house.

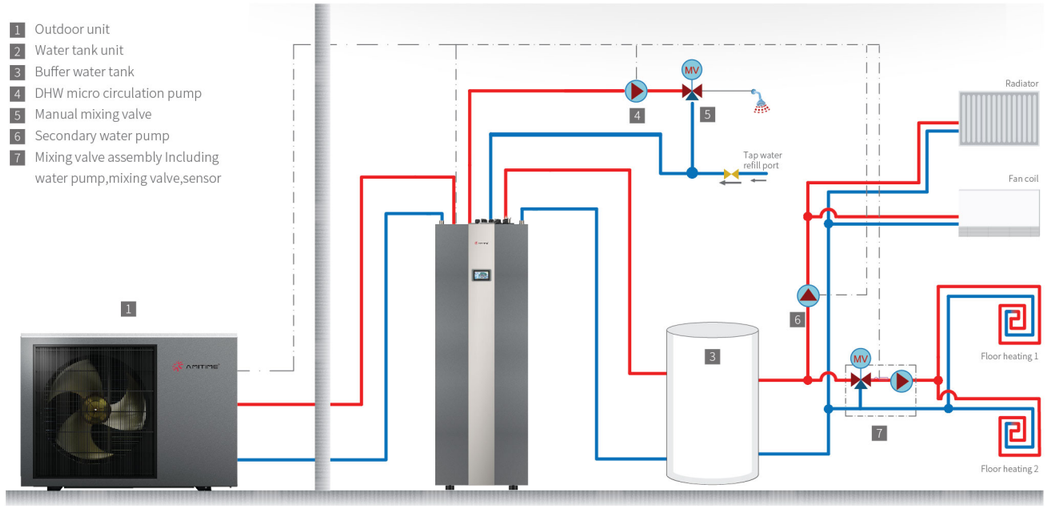
- Water pipe connection only which is easy for installation
- All in one indoor unit including E-heater, diverter valve, water pump and 250L water tank
- Low sound power level as low as 52dB(A)

Models

Phase	Capcity(kW)	Internal unit		External unit	
1 phase	6	HeatSTAR06-12M-AIO-I		HeatSTAR06M-AIO-O	
	9			HeatSTAR09M-AIO-O	
	12			HeatSTAR12M-AIO-O	
3 phase	15	HeatSTAR15M-AIO-I		HeatSTAR15M-AIO-O	
	19	HeatSTAR19M-AIO-I		HeatSTAR19M-AIO-O	

Application

1 Outdoor unit
2 Water tank unit
3 Buffer water tank
4 DHW micro circulation pump
5 Manual mixing valve
6 Secondary water pump
7 Mixing valve assembly Including water pump,mixing valve,sensor



HeatSTAR+ Series
M-FM

The M-FM series with full monoblock design which only with an outdoor unit, is the simplest solution for installation and controller operation.

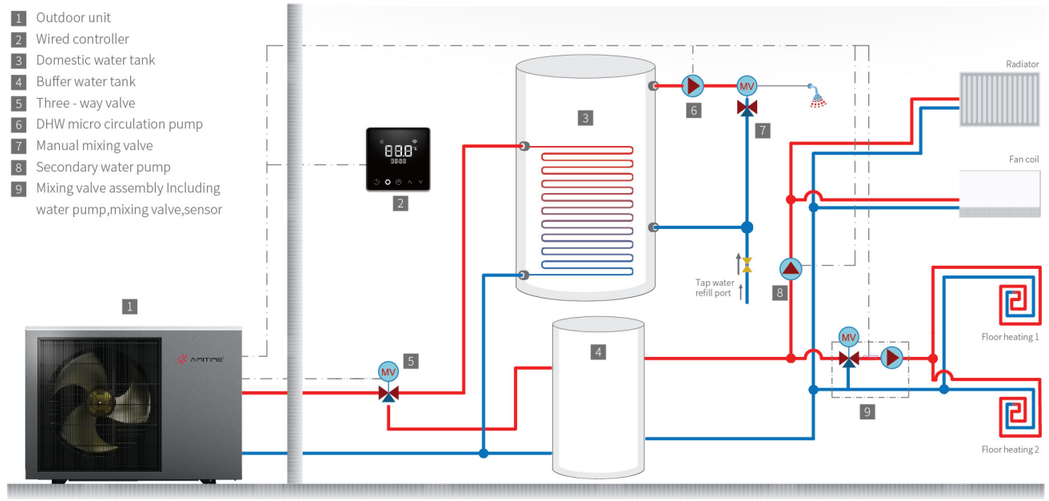
- Full Monoblock type only with an outdoor unit
- User-friendly controller-easy operation
- Easy installation and maintenance

Models

Phase	Capcity(kW)	External unit
1 phase	6	HeatSTAR06M-FM-O
	9	HeatSTAR09M-FM-O
	12	HeatSTAR12M-FM-O
3 phase	15	HeatSTAR15M-FM-O
	19	HeatSTAR19M-FM-O

Application

1. Outdoor unit
2. Wired controller
3. Domestic water tank
4. Buffer water tank
5. Three - way valve
6. DHW micro circulation pump
7. Manual mixing valve
8. Secondary water pump
9. Mixing valve assembly Including water pump,mixing valve,sensor



User-friendly Touchscreen Interface

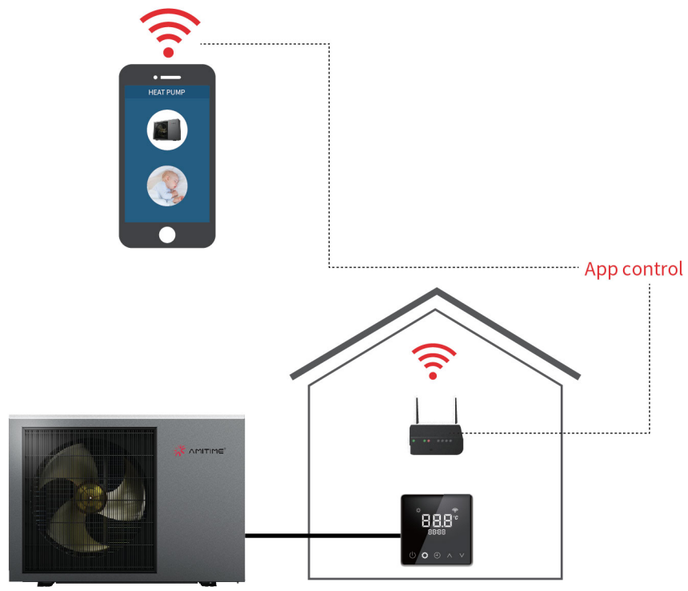
With elegant design and simple icons, the operation panel provides user friendly experience along with interesting functions.

- Friendly operation
- Wi-Fi solution
- Heating curves

Wi-Fi Solution

Simple operation for various functions

- On/Off
- Operation Mode Selection
- Current temperature
- Set temperature
- Energy Monitoring



HeatSTAR+ Series
S-HB

S-HB series is with split system, the internal unit is connected with external unit with refrigerant pipe, which can help to prevent the freezing of plate heat exchanger extremely in super low ambient temperature conditions. It can help to make sure the safety of the system.

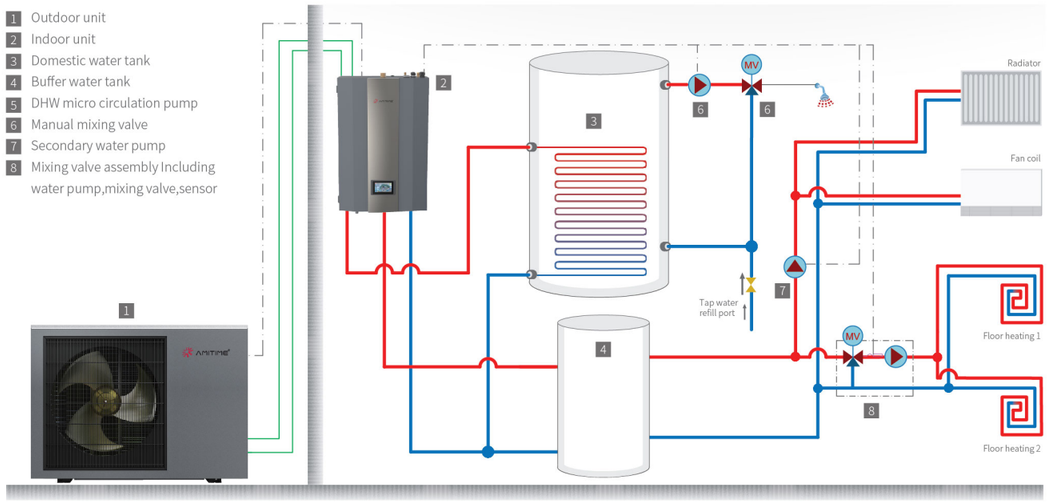
- Split type-refrigerant pipe connection between internal and external unit
- Intelligent temperature control curves
- Work down to ambient temperature -25 °C, supply high water temperature to 58 °C

Models

Phase	Capcity(kW)	Internal unit		External unit	
1 phase	6	HeatSTAR06-12S-HB-I		HeatSTAR06S-HB-O	
	9			HeatSTAR09S-HB-O	
	12			HeatSTAR12S-HB-O	
3 phase	15	HeatSTAR15S-HB-I		HeatSTAR15S-HB-O	
	19	HeatSTAR19S-HB-I		HeatSTAR19S-HB-O	

Application

1 Outdoor unit
2 Indoor unit
3 Domestic water tank
4 Buffer water tank
5 DHW micro circulation pump
6 Manual mixing valve
7 Secondary water pump
8 Mixing valve assembly Including water pump,mixing valve,sensor



HeatSTAR+ Series
S-AIO

S-AIO series is with similar structure of S-HB series, the only difference is in internal unit there is a 250L water tank which can help to save the installation space of the water tank in house.

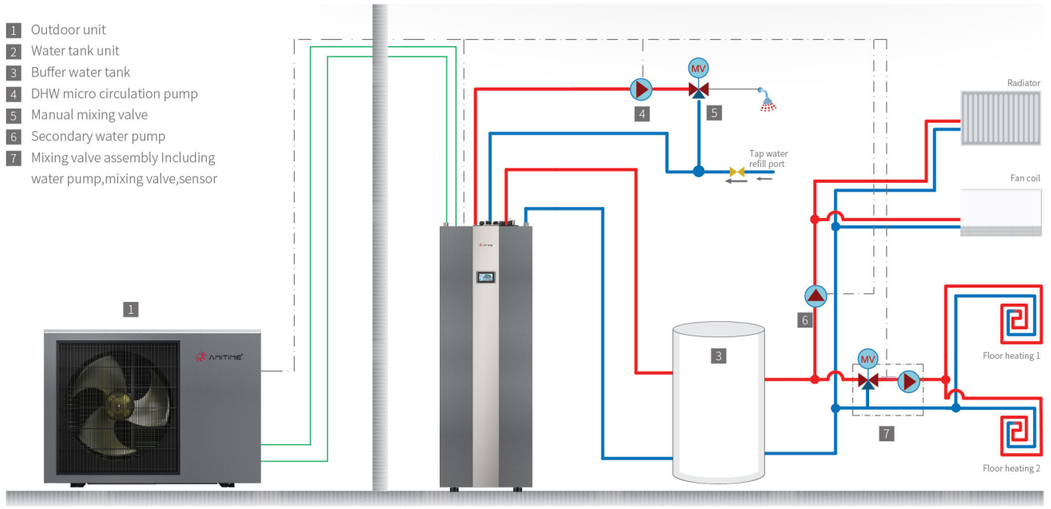
- Split system
- All in one indoor unit including E-heater, diverter valve, water pump and 250L water tank
- Anti-legionella function

Models

Phase	Capcity(kW)	Internal unit		External unit	
1 phase	6	HeatSTAR06-12S-AIO-I		HeatSTAR06S-AIO-O	
	9			HeatSTAR09S-AIO-O	
	12			HeatSTAR12S-AIO-O	
3 phase	15	HeatSTAR15S-AIO-I		HeatSTAR15S-AIO-O	
	19	HeatSTAR19S-AIO-I		HeatSTAR19S-AIO-O	

Application

1 Outdoor unit
2 Water tank unit
3 Buffer water tank
4 DHW micro circulation pump
5 Manual mixing valve
6 Secondary water pump
7 Mixing valve assembly Including water pump,mixing valve,sensor



Residential Heat Pump

HeatLITE Series

R32

R32
refrigerant

A+++

A+++
energy label

Amitime's heatLITE system has been developed with the idea in mind for maximum possible energy savings, through its ultra high scop rating and quiet operation. Latest development in DC inverter technologies and their application in various internal components including compressor, fan motor, and water pump, has been the major player in the success of our heatLITE line.

A+++ Energy Level

High energy efficiency and stable performance.
With full inverter technology, it reaches A+++ energy level and COP is up to 5

User Friendly Touch Screen Control Panel

It is easy to operate with feasible mounting to fit different installations.

Quiet operation

We take care of the conformation, and lots of unique technology skills to deliver a quiet living space.

Easy and fast installation

Water pipe connection only which is easy for installation

Components Features

Full DC inverter

All moving components inside, including compressor, water pump and fan motor, are DC Inverter type, that enhance the performance of the entire system, as well as balance the unit output and energy demand in a smart way.

High quality evaporator

Inorganic coated evaporator can effectively prevent frost building up, which helps the system reduce the energy waste for defrosting by 10%.

Safety first

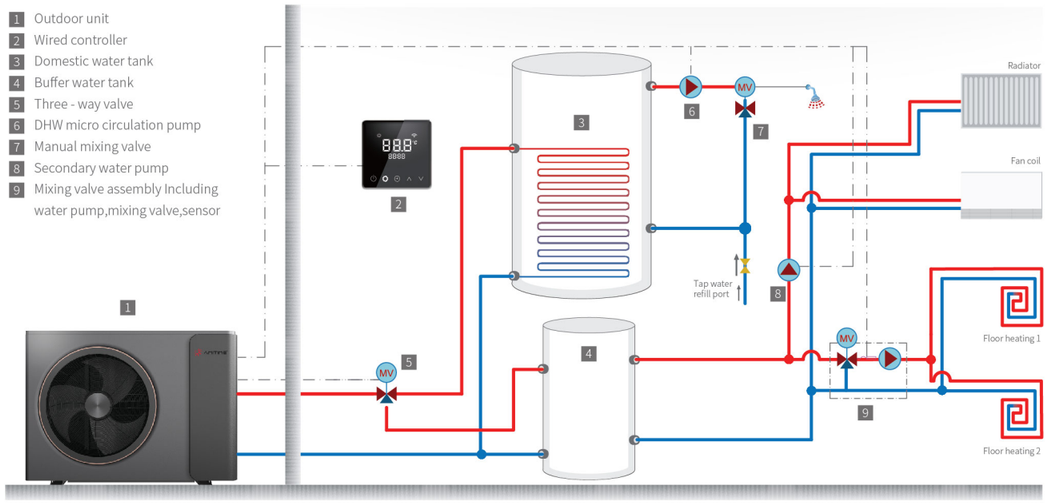
Spark-free electric components inside guarantees the safety of system all lifetime long.

Models

Phase	Capcity(kW)	External unit	
1 phase	6	HeatLITE06M-FM	
	9	HeatLITE09M-FM	
	12	HeatLITE12M--FM	
	15	HeatLITE15M--FM	
	19	HeatLITE19M--FM	

Application

1. Outdoor unit
2. Wired controller
3. Domestic water tank
4. Buffer water tank
5. Three - way valve
6. DHW micro circulation pump
7. Manual mixing valve
8. Secondary water pump
9. Mixing valve assembly Including water pump,mixing valve,sensor



User-friendly Touchscreen Interface

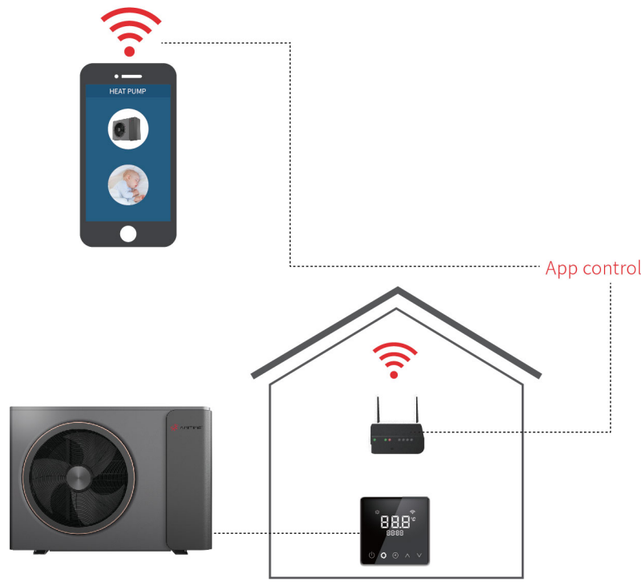
With elegant design and simple icons, the operation panel provides user friendly experience along with interesting functions.

- Friendly operation
- Wi-Fi solution
- Heating curves
- Waterproof

Wi-Fi Solution

Wifi function is intergrated with display, so you can control the heat pump remotely, and you can check the running data from APP. Wifi function deliver a simply life for you.

- On/Off
- Operation Mode Selection
- Current temperature
- Set temperature
- Energy Monitoring



Commercial Heat Pump

PowerSTAR Series

R290

R290 ECO refrigerant

R410A

R410A refrigerant

A+++

R290 A+++ energy label
R410A with A++

With powerful output and various output available, powerSTAR series provides comfortable heating, cooling and sanitary hot water to all users, not only for projects including hotels, offices, etc, but also factories and other industry usage. With optimized cascade system, powerSTAR is suitable for all kinds of demand.
In addition to comfort, safety is the other most important point during design of powerSTAR. With advanced safety control system, users can enjoy continuous comfort effectively and safely.

Intelligent control

With WIFI module and APP control

High water temperature supply

Supply high water temperature up to 75°C

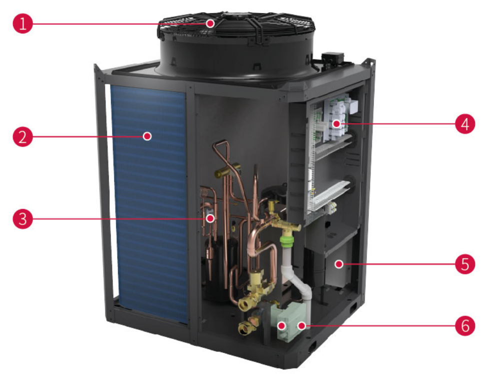
Quiet operation

Low noise solution with EC fan motor and improved air duct system.

Low operating costs

High energy efficiency and reaches A++ energy level

Integrated Design

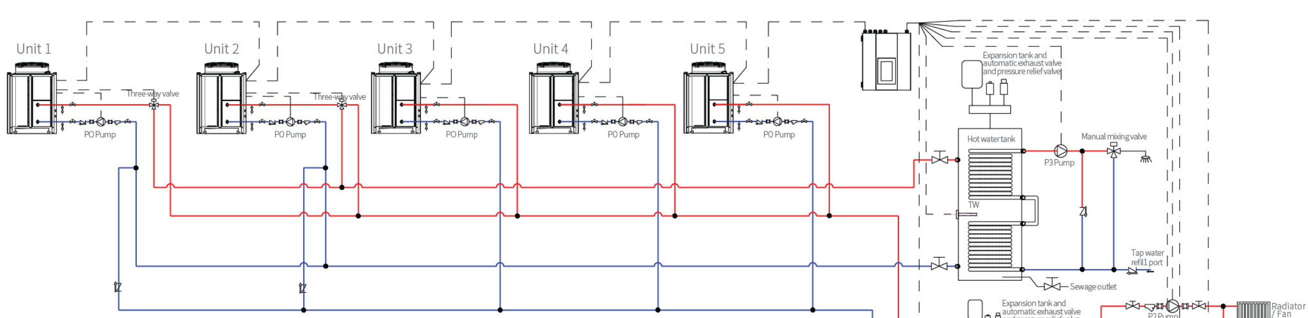


1. Qualified EC fan motor
2. High quality evaporator
3. Electronic expansion valve
4. Control system
5. Stable and efficient DC inverter compressor
6. Water pump (optional)

Models

Phase	Refrigerant	Capcity(kW)	External unit
3 phase	R290	30	powerSTAR+30M
		40	powerSTAR+40M
		80	powerSTAR+80M
	R410A	45	powerSTAR45M
		90	powerSTAR90M

Application



Symbol	Name
⋈	Shut-off valve
	Filter
	One-way valve
	Drain valve
	Soft connector
	Magnetic filter
-----	Control signal line

Control Features

7" Touch Screen operation panel

Cascade

One operation panel can control up to 16 units

Heating Curve

Adjust outlet water temp. Based on ambient temp. automatically

Two Mixing Circuits

Two mixing circuits control for different heating zones

Modbus

Easy to communicate with BMS for smart building

Run in rotation

When two or more units are connected in the system, every unit runs alternately

Emergency Operation

If master unit is off-line, by turning on the emergency switch, each heat pump unit can work individually according to last working command

WIFI module

Remote control, easy for service

Smart defrosting

Sophisticated algorithms take into account ambient temperature, coil temperature and defrosting time

Swimming Pool Heat Pump

Silent swimming environment

Energy saving

Heating

Cooling

Amitime is determined to keep on its endeavor and commitment in technology progression and product improvement, by working together with its worldwide partners in its task of offering solution in environmental technologies with highest innovation, dependability, quality and energy efficiency. We are looking forward to welcome you as a new partner of our family, to share current achievement and work together for more outcome.

Wide working ambient temperature range

Operation ambient temperature low down to -15°C, and up to 43°C

Simple but intelligent design

The modern design bring you enjoyable feeling, and we provide customized casing design for customers

Wi-Fi & modbus function

Built-in Wi-Fi for free, smart control via the Smartlife App. Control your heat pump from any place, whenever you want

Auto correction

Exclusively technology of 4 way valve invalid auto correction

Swimming Pool Heat Pump
Pisces FI

Pisces FI represents our inverter horizontal swimming pool heat pump with ABS plastic housing, which can prevent corrosion issue. Like the most romantic constellation-Pisces, which always purse a high quality and romantic life, our Pisces FI range aims to provide poetical and cheerful swimming time for you and your family, giving you a poetical and cheerful life.

Full inverter

Accurate full DC inverter control ±0.2℃. Full inverter driver with variable speed fan and compressor to deliver the lowest running costs with maximum heat output, ensuring you a super low noise pool.

Reliable Structure

Twin rotary compressor to minimize vibration. Anti-corrosion ABS cabinet and Titanium heat exchanger. Ultimately cabinet design for easy maintenance and after sales service.

Wide range of products

7kW~30kW capacities to meet different sizes of swimming pools

Swimming Pool Heat Pump
Taurus FI

Taurus FI Series delegates our full DC inverter swimming pool heat pump with metal cabinet for better protection of important components. And metal cabinet is something like Taurus, bring us a feeling of power, stability and reliability.

Reliable cabinet design

Stable and reliable metal sheet cabinet

Super Quiet

Extremely quiet operation,19-34dB(A) at 10m (depending on model and power output).

Wi-Fi & App Function

Smart and remote control the unit by APP

Swimming Pool Heat Pump
Gemini FI

Gemini FI Series swimming pool heat pump is the most luxury range, this product including marketing leading technology and extraordinary design. Thanks to the exclusive design, Gemini FI offers the super quiet operation condition. And it also represents a heart always feeling fresh for everything new.

Ultimate design
Multiple choices of exclusive designs and waterproof LCD display with touch button screen

Super low noise
Super silent operation with concealed fan

Wide working temperature range
Wide working ambient temperature range from -15°C to 43°C

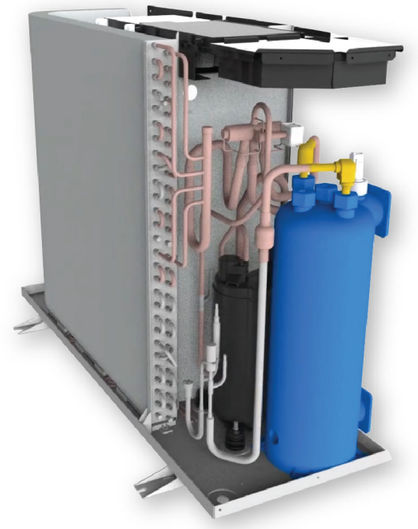
Main Component

Waterproof controller
Waterproof LCD controller without casing, and with an intelligent touch big screen. Built-in Wi-Fi and APP function

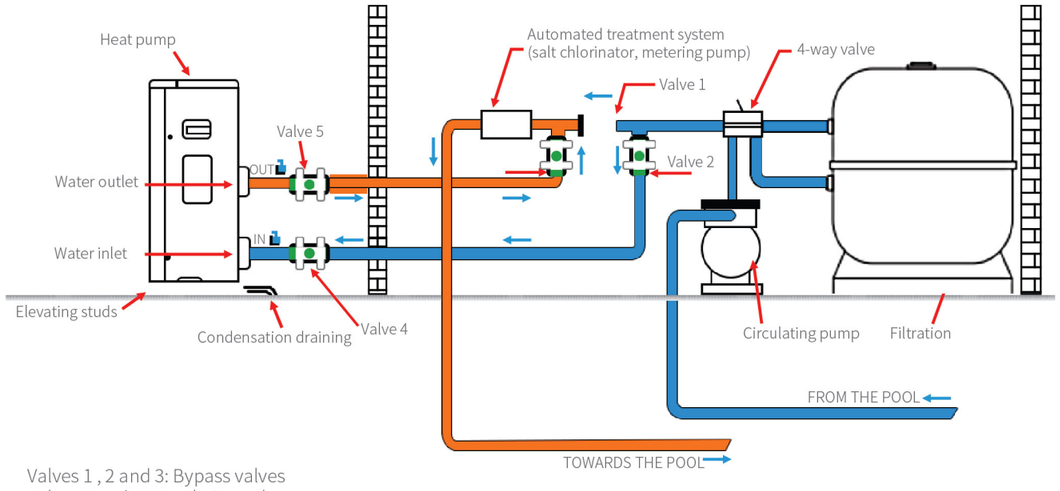
Titanium heat exchanger
Excellent titanium tube adopted, ensures high effiency and corrosion resistance

DC inverter fan motor
DC inverter brushless fan motor, make sure quiet, efficiency, and evergy-saving for the operation of unit

Inverter compressor
Full DC inverter compressor with quiet operation and high efficiency



Application



Valves 1 , 2 and 3: Bypass valves
Valves 4 and 5: Regulating valves
(Recommended for facilitating adjustments close to the machine)

Key Half-open valve Open valve

Heat pump water heater

--AquaSTAR Series

R290

R290 ECO refrigerant

High water outlet temperature 75°

AquaSTAR R290 series developed by Amitime is a epitome of innovation in home comfort technology. This is an integrated all-in-one heat pump water heater series, champions eco-friendly application with its R290 refrigerant. Its smart operation panel provides an intuitive interface for flexible functions, and with built-in DTU & WIFI, it becomes a natural extension of your smart home network. The working priciple makes it easy to combine with residential fresh air system.

AquaSTAR R290 represents the forefront of sustainable, intelligent, and efficient water heating, promising a greener lifestyle.

R290 Refrigerant

Using eco-friendly R290 refrigerant to achieve carbon neutrality and reduce the impact of global warming, AquaSTAR is an efficient series of Amitime heat pump water heaters. The maximum outlet water temperature can reach 75℃.

Smart operation panel

The clear UI design is user-friendly and allows setting water temperature, running mode, timer, etc. freely. With processed cover, the operation panel is anti-UV and durable.

Flexible control solutions

The inbuilt DTU & WIFI module makes remote APP control possible and convenient. Besides, the SG-ready function provides a cost-effective control with the power grid in peak and valley time.

Micro-Channel

Micro-channel design, winding technology on the outside of the inner tank, the channel does not contact with the water in the tank, no corrosion, scaling, leakage and other conditions. With flexible laminating process, the heat exchange area is larger. Water tank adopts natural circulation system, high efficiency and energy saving.

DC centrifugal fan

Maximizing gas flow and minimizing energy loss to achieve good ventilation. You could set periodic air exchange to use with the fresh air system for a smart home.

Fan coil Series

BM / SU Fan Coil Unit

Heating

Cooling

A fan coil unit (FCU) is a heat exchange device consisting of heat exchanger coil and forced air fan. Fan coil units circulate hot or cold water through circuits embedded within the coils and moves the room air over, to heat or cool the air in order to condition a space.
Hot or cold water provided through an Amitime heat pump would circulate in the coil, to remove or add heat to the air through heat transfer.
Speed control of the fan motor within a fan coil unit is effectively used to control the heating and cooling output desired from the unit.
Amitime provides wide range of fan coil units in different styles with DC available motors.

Heating and Cooling

Effectively used to control the heating and cooling output desired from the unit.

Intelligent control

Controlled by panel, remote controller and APP

Super quiet

We take care of the conformation, and lots of unique technology skills to deliver a quiet living space.

Compact Construction

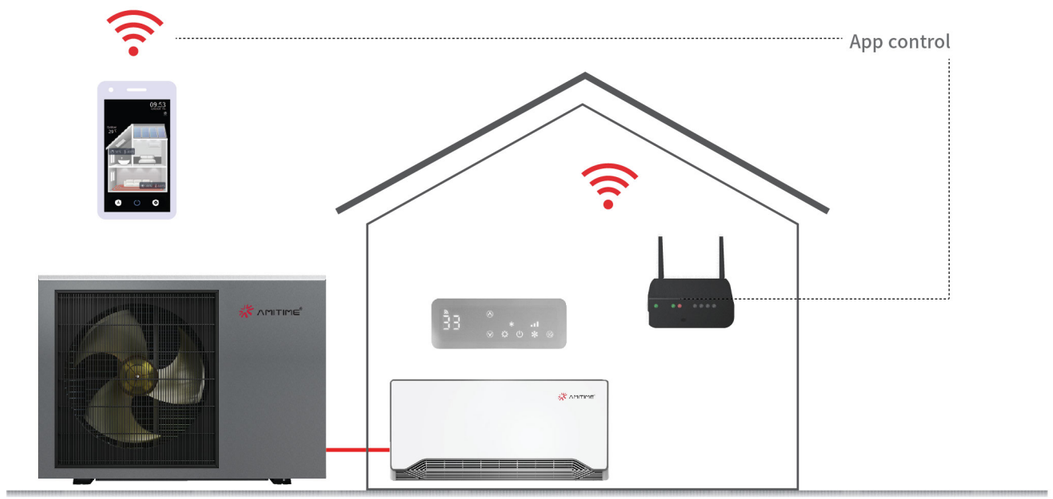
130mm thickness

WI-FI SOLUTION

Combined with 4G and WiFi dual-mode networking, the remote control function of our device allows you to freely choose the networking mode, no matter where you are, always keep the device efficient operation and real-time monitoring.

Simple operation for various functions

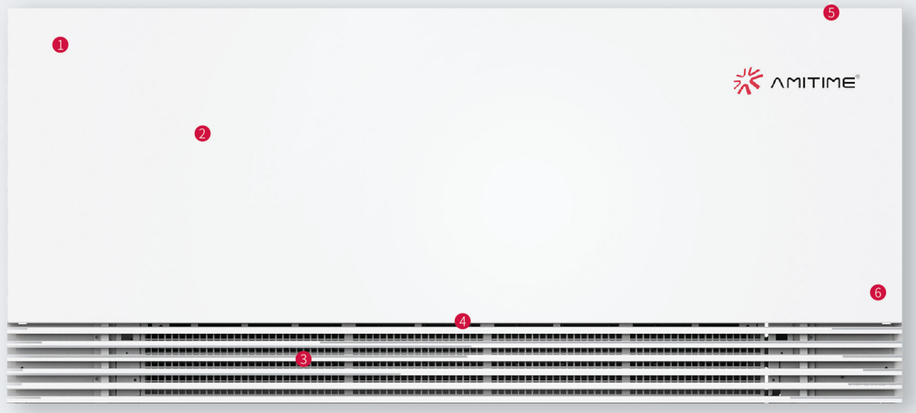
- On/Off
- Operation Mode Selection
- Current temperature
- Set temperature
- Energy Monitoring



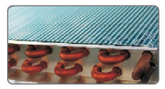
Models

Phase	Capcity(kW)	External unit
BM	0.99	BM150
	2	BM350
	2.8	BM450
	4.2	BM550
SU	2.8	SU-600A
	4.2	SU-800A

Main Components



1 Famous Brand Motorized Valve(Optional)



2 Coil with Hydrophilic Aluminum Fin

3 Balanced Cross Fan Blower

4 Easy Access to Air Filter

5 Touch Operation Panel

6 Speed Variable DC Motor

EcoSTAR Series
M-HB

Technical Data

Model				EcoSTAR06M-HB	EcoSTAR08M-HB	EcoSTAR12M-HB	EcoSTAR15M-HB
Seasonal Energy-(According to EN14825)							
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.81/3.59	4.85/3.65	4.76/3.56	4.74/3.50
	Rated Heat Output(Prated) (35°C/55°C)		kW	4.91/4.55	6.93/6.40	8.97/8.21	12.55/11.01
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	189.3/140.6	190.9/143.1	187.5/139.4	186.5/136.9
	Annual Energy Consumption(35°C/55°C)		kWh	2111/2616	2953/3622	3889/4766	5475/6505
	Sound power level (indoor/outdoor)		dB(A)	33/54	33/54	34/56	37/56
Nominal Capacity and Nominal Input							
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	2.56/6.76	3.76/9.52	5.21/12.0	6.83/16.6
	Heating Power Input Min./Max.		kW	0.58/1.52	0.68/2.04	0.99/3.06	1.27/4.18
	C.O.P		W/W	4.44/ 4.83	4.67/5.57	3.93/5.31	3.98/5.38
	Heating Capacity Min./Max	A7/W45	kW	2.42/6.57	3.00/9.09	4.38/11.7	6.17/15.5
	Heating Power Input Min./Max.		kW	0.67/1.82	0.86/2.40	1.11/3.55	1.58/4.76
	C.O.P		W/W	3.62 / 3.86	3.51/4.03	3.28/3.94	3.26/3.90
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	2.02/5.43	2.39/7.83	3.47/10.1	5.77/12.4
	Cooling Power Input Min./Max.		kW	0.51/1.31	0.57/2.08	0.94/2.97	1.23/3.70
	E.E.R		W/W	4.00/4.23	3.77/4.35	3.40/3.93	3.36/4.69
	Cooling Capacity Min./Max	A35/W7	kW	1.27/3.71	1.83/5.61	2.16/7.19	4.05/10.1
	Cooling Power Input Min./Max.		kW	0.52/1.30	0.62/2.00	0.97/2.76	1.26/3.55
	E.E.R		W/W	2.46/2.95	2.46/2.99	2.23/2.64	2.84/3.22
General Info							
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	380-420/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	70/25	70/25	70/25	70/25
	Water temperature range(cooling)		°C	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290 / 0.6kg	R290 / 0.7kg	R290 / 0.9kg	R290 / 1.5kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	1	2
		Airflow	m3/h	3150	3150	3300	6300
		Rated power	W	62	62	62	124
Water Side	Type			Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop		kPa	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.27/0.38/0.50	0.40/0.57/0.75	0.50/0.72/0.93
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	570x550x260	570x550x260	570x550x260	570x550x260
		Outdoor Unit	mm	1255x460x860	1255x460x860	1255x460x960	1140x453x1465
	Net Weight	Indoor Unit	kg	25	25	25	25
		Outdoor Unit	kg	95	103	115	150

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

EcoSTAR Series
M-CB

Technical Data

Model				EcoSTAR06M-CB	EcoSTAR08M-CB	EcoSTAR12M-CB	EcoSTAR15M-CB
Seasonal Energy-(According to EN14825)							
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.81/3.59	4.85/3.65	4.76/3.56	4.74/3.50
	Rated Heat Output(Prated) (35°C/55°C)		kW	4.91/4.55	6.93/6.40	8.97/8.21	12.55/11.01
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	189.3/140.6	190.9/143.1	187.5/139.4	186.5/136.9
	Annual Energy Consumption(35°C/55°C)		kWh	2111/2616	2953/3622	3889/4766	5475/6505
	Sound power level (indoor/outdoor)		dB(A)	33/54	33/54	34/56	37/56
Nominal Capacity and Nominal Input							
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	2.56/6.76	3.76/9.52	5.21/12.0	6.83/16.6
	Heating Power Input Min./Max.		kW	0.58/1.52	0.68/2.04	0.99/3.06	1.27/4.18
	C.O.P		W/W	4.44/ 4.83	4.67/5.57	3.93/5.31	3.98/5.38
	Heating Capacity Min./Max	A7/W45	kW	2.42/6.57	3.00/9.09	4.38/11.7	6.17/15.5
	Heating Power Input Min./Max.		kW	0.67/1.82	0.86/2.40	1.11/3.55	1.58/4.76
	C.O.P		W/W	3.62 / 3.86	3.51/4.03	3.28/3.94	3.26/3.90
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	2.02/5.43	2.39/7.83	3.47/10.1	5.77/12.4
	Cooling Power Input Min./Max.		kW	0.51/1.31	0.57/2.08	0.94/2.97	1.23/3.70
	E.E.R		W/W	4.00/4.23	3.77/4.35	3.40/3.93	3.36/4.69
	Cooling Capacity Min./Max	A35/W7	kW	1.27/3.71	1.83/5.61	2.16/7.19	4.05/10.1
	Cooling Power Input Min./Max.		kW	0.52/1.30	0.62/2.00	0.97/2.76	1.26/3.55
	E.E.R		W/W	2.46/2.95	2.46/2.99	2.23/2.64	2.84/3.22
General Info							
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	380-420/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	70/25	70/25	70/25	70/25
	Water temperature range(cooling)		°C	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290 / 0.6kg	R290 / 0.7kg	R290 / 0.9kg	R290 / 1.5kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	1	2
		Airflow	m3/h	3150	3150	3300	6300
		Rated power	W	62	62	62	124
Water Side	Type			Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop		kPa	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.27/0.38/0.50	0.40/0.57/0.75	0.50/0.72/0.93
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	450x380x132	450x380x132	450x380x132	450x380x132
		Outdoor Unit	mm	1255x460x860	1255x460x860	1255x460x960	1140x453x1465
	Net Weight	Indoor Unit	kg	9	9	9	9
		Outdoor Unit	kg	97	105	117	152

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

EcoSTAR Series
M-AIO

Technical Data

	Model			EcoSTAR06M-AIO	EcoSTAR08M-AIO	EcoSTAR12M-AIO	EcoSTAR15M-AIO
Seasonal Energy-(According to EN14825)							
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.81/3.59	4.85/3.65	4.76/3.56	4.74/3.50
	Rated Heat Output(Prated) (35°C/55°C)		kW	4.91/4.55	6.93/6.40	8.97/8.21	12.55/11.01
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	189.3/140.6	190.9/143.1	187.5/139.4	186.5/136.9
	Annual Energy Consumption(35°C/55°C)		kWh	2111/2616	2953/3622	3889/4766	5475/6505
	Sound power level (indoor/outdoor)		dB(A)	33/54	33/54	34/56	37/56
Nominal Capacity and Nominal Input							
Nominal heating	Heating Capacity Min./Max	A7/W45	kW	2.56/6.76	3.76/9.52	5.21/12.0	6.83/16.6
	Heating Power Input Min./Max.		kW	0.58/1.52	0.68/2.04	0.99/3.06	1.27/4.18
	C.O.P		W/W	4.44/ 4.83	4.67/5.57	3.93/5.31	3.98/5.38
	Heating Capacity Min./Max	A7/W35	kW	2.42/6.57	3.00/9.09	4.38/11.7	6.17/15.5
	Heating Power Input Min./Max.		kW	0.67/1.82	0.86/2.40	1.11/3.55	1.58/4.76
	C.O.P		W/W	3.62 / 3.86	3.51/4.03	3.28/3.94	3.26/3.90
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	2.02/5.43	2.39/7.83	3.47/10.1	5.77/12.4
	Cooling Power Input Min./Max.		kW	0.51/1.31	0.57/2.08	0.94/2.97	1.23/3.70
	E.E.R		W/W	4.00/4.23	3.77/4.35	3.40/3.93	3.36/4.69
	Cooling Capacity Min./Max	A35/W7	kW	1.27/3.71	1.83/5.61	2.16/7.19	4.05/10.1
	Cooling Power Input Min./Max.		kW	0.52/1.30	0.62/2.00	0.97/2.76	1.26/3.55
	E.E.R		W/W	2.46/2.95	2.46/2.99	2.23/2.64	2.84/3.22
General Info							
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	380-420/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	70/25	70/25	70/25	70/25
	Water temperature range(cooling)		°C	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290 / 0.6kg	R290 / 0.7kg	R290 / 0.9kg	R290 / 1.5kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	1	2
		Airflow	m3/h	3150	3150	3300	6300
		Rated power	W	62	62	62	124
Water Side	Type			Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop		kPa	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.27/0.38/0.50	0.40/0.57/0.75	0.50/0.72/0.93
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	600x730x1720	600x730x1720	600x730x1720	600x730x1720
		Outdoor Unit	mm	1255x460x860	1255x460x860	1255x460x960	1140x453x1465
	Net Weight	Indoor Unit	kg	117	117	117	117
		Outdoor Unit	kg	95	115	115	150

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

EcoSTAR Series
M-FM

Technical Data

	Model			EcoSTAR06M-FM	EcoSTAR08M-FM	EcoSTAR12M-FM	EcoSTAR15M-FM
Seasonal Energy-(According to EN14825)							
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.81/3.59	4.85/3.65	4.76/3.56	4.74/3.50
	Rated Heat Output(Prated) (35°C/55°C)		kW	4.91/4.55	6.93/6.40	8.97/8.21	12.55/11.01
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	189.3/140.6	190.9/143.1	187.5/139.4	186.5/136.9
	Annual Energy Consumption(35°C/55°C)		kWh	2111/2616	2953/3622	3889/4766	5475/6505
	Sound power level (indoor/outdoor)		dB(A)	33/54	33/54	34/56	37/56
Nominal Capacity and Nominal Input							
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	2.56/6.76	3.76/9.52	5.21/12.0	6.83/16.6
	Heating Power Input Min./Max.		kW	0.58/1.52	0.68/2.04	0.99/3.06	1.27/4.18
	C.O.P		W/W	4.44/ 4.83	4.67/5.57	3.93/5.31	3.98/5.38
	Heating Capacity Min./Max	A7/W45	kW	2.42/6.57	3.00/9.09	4.38/11.7	6.17/15.5
	Heating Power Input Min./Max.		kW	0.67/1.82	0.86/2.40	1.11/3.55	1.58/4.76
	C.O.P		W/W	3.62 / 3.86	3.51/4.03	3.28/3.94	3.26/3.90
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	2.02/5.43	2.39/7.83	3.47/10.1	5.77/12.4
	Cooling Power Input Min./Max.		kW	0.51/1.31	0.57/2.08	0.94/2.97	1.23/3.70
	E.E.R		W/W	4.00/4.23	3.77/4.35	3.40/3.93	3.36/4.69
	Cooling Capacity Min./Max	A35/W7	kW	1.27/3.71	1.83/5.61	2.16/7.19	4.05/10.1
	Cooling Power Input Min./Max.		kW	0.52/1.30	0.62/2.00	0.97/2.76	1.26/3.55
	E.E.R		W/W	2.46/2.95	2.46/2.99	2.23/2.64	2.84/3.22
General Info							
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	380-420/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	70/25	70/25	70/25	70/25
	Water temperature range(cooling)		°C	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290 / 0.6kg	R290 / 0.7kg	R290 / 0.9kg	R290 / 1.5kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	1	2
		Airflow	m3/h	3150	3150	3300	6300
		Rated power	W	62	62	62	124
Water Side	Type			Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop		kPa	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.27/0.38/0.50	0.40/0.57/0.75	0.50/0.72/0.93
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	450x380x132	450x380x132	450x380x132	450x380x132
		Outdoor Unit	mm	1255x460x860	1255x460x860	1255x460x960	1140x453x1465
	Net Weight	Indoor Unit	kg	9	9	9	9
		Outdoor Unit	kg	99	107	119	154

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

EcoSTAR Pro Series
M-HB

Technical Data

Model				EcoSTAR Pro 08M-HB	EcoSTAR Pro 12M-HB	EcoSTAR Pro 15M-HB	EcoSTAR Pro 20M-HB
Seasonal Energy-(According to EN14825)							
ErP datas	Energy class - Heating (35°C/55°C)		-	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
	SCOP(35°C/55°C)		W/W	5.23/3.89	5.48/4.12	5.34/4.0	5.0/3.85
	Rated Heat Output(Prated) (35°C/55°C)		kW	7.34/7.31	9.83/9.60	13.1/12.4	16.1/15.3
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	206/153	216/162	211/158	197/150
	Annual Energy Consumption(35°C/55°C)		kWh	2901/3881	3706/4812	5082/6360	6617/8604
	Sound power level (indoor/outdoor)		dB(A)	35/49	31/50	52.9/55	45/65
Nominal Capacity and Nominal Input							
Nominal heating	Heating Capacity Min./Max	A7/W45	kW	2.9/9.6	3.7/12.2	5.3/15.9	4.9/20.3
	Heating Power Input Min./Max.		kW	0.55/1.90	0.67/2.46	0.97/3.24	1.02/5.19
	C.O.P		W/W	5.21/5.05	5.63/4.95	5.49/4.90	4.81/3.90
Nominal heating	Heating Capacity Min./Max	A7/W45	kW	2.7/9.2	3.5/11.6	4.9/15.2	4.4/19.6
	Heating Power Input Min./Max.		kW	0.69/2.38	0.83/2.94	1.22/3.80	1.22/6.03
	C.O.P		W/W	3.86/3.87	4.04/3.94	4.02/4.00	3.65/3.25
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.4/9.0	6.3/12.2	7.8/15.3	9.3/20.1
	Cooling Power Input Min./Max.		kW	0.81/2.46	1.16/2.95	1.57/4.12	1.80/5.62
	E.E.R		W/W	4.17/3.67	5.38/4.12	4.97/3.70	5.17/3.58
Nominal cooling	Cooling Capacity Min./Max	A35/W7	kW	2.3/7.0	3.3/9.2	5.2/12.1	4.5/12.3
	Cooling Power Input Min./Max.		kW	0.88/2.34	1.19/2.78	1.65/3.79	1.74/4.06
	E.E.R		W/W	2.59/2.99	2.80/3.32	3.18/3.19	2.61/3.05
General Info							
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	380/50/3	380/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	75/20	75/20	75/20	75/20
	Water temperature range(cooling)		°C	25/7	25/7	25/7	25/7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290/0.9kg	R290/1.2kg	R290/1.8kg	R290/1.9kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	2	2
		Airflow	m3/h	3280	3300	6300	6300
		Rated power	W	116	172	62*2	62*2
Water Side	Type			Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop		kPa	23	/	/	/
	Piping Connection		Inch	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.27/0.38/0.50	0.40/0.57/0.75	0.50/0.72/0.93	0.67/0.96/1.24
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	550x650x260	550x650x260	550x650x260	550x650x260
		Outdoor Unit	mm	1260x395x1000	1260x395x1000	1260x420x1525	1347x442x1458
	Net Weight	Indoor Unit	kg	32	32	32	32
		Outdoor Unit	kg	125	140	160	170

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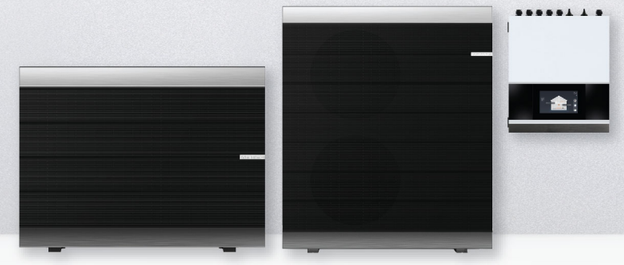
EcoSTAR Pro Series
M-CB



Technical Data

Model				EcoSTAR Pro 08M-CB	EcoSTAR Pro 12M-CB	EcoSTAR Pro 15M-CB	EcoSTAR Pro 20M-CB
Seasonal Energy-(According to EN14825)							
ErP datas	Energy class - Heating (35°C/55°C)		-	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
	SCOP(35°C/55°C)		W/W	5.23/3.89	5.48/4.12	5.34/4.0	5.0/3.85
	Rated Heat Output(Prated) (35°C/55°C)		kW	7.34/7.31	9.83/9.60	13.1/12.4	16.1/15.3
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	206/153	216/162	211/158	197/150
	Annual Energy Consumption(35°C/55°C)		kWh	2901/3881	3706/4812	5082/6360	6617/8604
	Sound power level (indoor/outdoor)		dB(A)	35/49	31/50	52.9/55	45/65
Nominal Capacity and Nominal Input							
Nominal heating	Heating Capacity Min./Max	A7/W45	kW	2.9/9.6	3.7/12.2	5.3/15.9	4.9/20.3
	Heating Power Input Min./Max.		kW	0.55/1.90	0.67/2.46	0.97/3.24	1.02/5.19
	C.O.P		W/W	5.21/5.05	5.63/4.95	5.49/4.90	4.81/3.90
Nominal heating	Heating Capacity Min./Max	A7/W45	kW	2.7/9.2	3.5/11.6	4.9/15.2	4.4/19.6
	Heating Power Input Min./Max.		kW	0.69/2.38	0.83/2.94	1.22/3.80	1.22/6.03
	C.O.P		W/W	3.86/3.87	4.04/3.94	4.02/4.00	3.65/3.25
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.4/9.0	6.3/12.2	7.8/15.3	9.3/20.1
	Cooling Power Input Min./Max.		kW	0.81/2.46	1.16/2.95	1.57/4.12	1.80/5.62
	E.E.R		W/W	4.17/3.67	5.38/4.12	4.97/3.70	5.17/3.58
Nominal cooling	Cooling Capacity Min./Max	A35/W7	kW	2.3/7.0	3.3/9.2	5.2/12.1	4.5/12.3
	Cooling Power Input Min./Max.		kW	0.88/2.34	1.19/2.78	1.65/3.79	1.74/4.06
	E.E.R		W/W	2.59/2.99	2.80/3.32	3.18/3.19	2.61/3.05
General Info							
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	380/50/3	380/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	75/20	75/20	75/20	75/20
	Water temperature range(cooling)		°C	25/7	25/7	25/7	25/7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290/0.9kg	R290/1.2kg	R290/1.8kg	R290/1.9kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	2	2
		Airflow	m3/h	3280	3300	6300	6300
		Rated power	W	116	172	62*2	62*2
Water Side	Type			Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop		kPa	23	/	/	/
	Piping Connection		Inch	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.27/0.38/0.50	0.40/0.57/0.75	0.50/0.72/0.93	0.67/0.96/1.24
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	550x650x260	550x650x260	550x650x260	550x650x260
		Outdoor Unit	mm	1260x395x1000	1260x395x1000	1260x420x1525	1347x442x1458
	Net Weight	Indoor Unit	kg	32	32	32	32
		Outdoor Unit	kg	125	140	160	170

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

EcoSTAR Pro Series
M-AIO

Technical Data

	Model			EcoSTAR Pro 08M-AIO	EcoSTAR Pro 12M-AIO	EcoSTAR Pro 15M-AIO	EcoSTAR Pro 20M-AIO
Seasonal Energy-(According to EN14825)							
ErP datas	Energy class - Heating (35°C/55°C)		-	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
	SCOP(35°C/55°C)		W/W	5.23/3.89	5.48/4.12	5.34/4.0	5.0/3.85
	Rated Heat Output(Prated) (35°C/55°C)		kW	7.34/7.31	9.83/9.60	13.1/12.4	16.1/15.3
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	206/153	216/162	211/158	197/150
	Annual Energy Consumption(35°C/55°C)		kWh	2901/3881	3706/4812	5082/6360	6617/8604
	Sound power level (indoor/outdoor)		dB(A)	35/49	31/50	52.9/55	45/65
Nominal Capacity and Nominal Input							
Nominal heating	Heating Capacity Min./Max	A7/W45	kW	2.9/9.6	3.7/12.2	5.3/15.9	4.9/20.3
	Heating Power Input Min./Max.		kW	0.55/1.90	0.67/2.46	0.97/3.24	1.02/5.19
	C.O.P		W/W	5.21/5.05	5.63/4.95	5.49/4.90	4.81/3.90
	Heating Capacity Min./Max	A7/W35	kW	2.7/9.2	3.5/11.6	4.9/15.2	4.4/19.6
	Heating Power Input Min./Max.		kW	0.69/2.38	0.83/2.94	1.22/3.80	1.22/6.03
	C.O.P		W/W	3.86/3.87	4.04/3.94	4.02/4.00	3.65/3.25
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.4/9.0	6.3/12.2	7.8/15.3	9.3/20.1
	Cooling Power Input Min./Max.		kW	0.81/2.46	1.16/2.95	1.57/4.12	1.80/5.62
	E.E.R		W/W	4.17/3.67	5.38/4.12	4.97/3.70	5.17/3.58
	Cooling Capacity Min./Max	A35/W7	kW	2.3/7.0	3.3/9.2	5.2/12.1	4.5/12.3
	Cooling Power Input Min./Max.		kW	0.88/2.34	1.19/2.78	1.65/3.79	1.74/4.06
	E.E.R		W/W	2.59/2.99	2.80/3.32	3.18/3.19	2.61/3.05
General Info							
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	380/50/3	380/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	75/20	75/20	75/20	75/20
	Water temperature range(cooling)		°C	25/7	25/7	25/7	25/7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290/0.9kg	R290/1.2kg	R290/1.8kg	R290/1.9kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	2	2
		Airflow	m3/h	3280	3300	6300	6300
		Rated power	W	116	172	62*2	62*2
Water Side	Type			Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop		kPa	23	/	/	/
	Piping Connection		Inch	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.27/0.38/0.50	0.40/0.57/0.75	0.50/0.72/0.93	0.67/0.96/1.24
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	550x650x260	550x650x260	550x650x260	550x650x260
		Outdoor Unit	mm	1260x395x1000	1260x395x1000	1260x420x1525	1347x442x1458
	Net Weight	Indoor Unit	kg	32	32	32	32
		Outdoor Unit	kg	125	140	160	170

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

EcoSTAR Pro Series
M-FM

Technical Data

	Model			EcoSTAR Pro 08M-FM	EcoSTAR Pro 12M-FM	EcoSTAR Pro 15M-FM	EcoSTAR Pro 20M-FM
Seasonal Energy-(According to EN14825)							
ErP datas	Energy class - Heating (35°C/55°C)		-	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
	SCOP(35°C/55°C)		W/W	5.23/3.89	5.48/4.12	5.34/4.0	5.0/3.85
	Rated Heat Output(Prated) (35°C/55°C)		kW	7.34/7.31	9.83/9.60	13.1/12.4	16.1/15.3
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	206/153	216/162	211/158	197/150
	Annual Energy Consumption(35°C/55°C)		kWh	2901/3881	3706/4812	5082/6360	6617/8604
	Sound power level (indoor/outdoor)		dB(A)	35/49	31/50	52.9/55	45/65
Nominal Capacity and Nominal Input							
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	2.9/9.6	3.7/12.2	5.3/15.9	4.9/20.3
	Heating Power Input Min./Max.		kW	0.55/1.90	0.67/2.46	0.97/3.24	1.02/5.19
	C.O.P		W/W	5.21/5.05	5.63/4.95	5.49/4.90	4.81/3.90
	Heating Capacity Min./Max	A7/W45	kW	2.7/9.2	3.5/11.6	4.9/15.2	4.4/19.6
	Heating Power Input Min./Max.		kW	0.69/2.38	0.83/2.94	1.22/3.80	1.22/6.03
	C.O.P		W/W	3.86/3.87	4.04/3.94	4.02/4.00	3.65/3.25
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.4/9.0	6.3/12.2	7.8/15.3	9.3/20.1
	Cooling Power Input Min./Max.		kW	0.81/2.46	1.16/2.95	1.57/4.12	1.80/5.62
	E.E.R		W/W	4.17/3.67	5.38/4.12	4.97/3.70	5.17/3.58
	Cooling Capacity Min./Max	A35/W7	kW	2.3/7.0	3.3/9.2	5.2/12.1	4.5/12.3
	Cooling Power Input Min./Max.		kW	0.88/2.34	1.19/2.78	1.65/3.79	1.74/4.06
	E.E.R		W/W	2.59/2.99	2.80/3.32	3.18/3.19	2.61/3.05
General Info							
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	380/50/3	380/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	75/20	75/20	75/20	75/20
	Water temperature range(cooling)		°C	25/7	25/7	25/7	25/7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290/0.9kg	R290/1.2kg	R290/1.8kg	R290/1.9kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	2	2
		Airflow	m3/h	3280	3300	6300	6300
		Rated power	W	116	172	62*2	62*2
Water Side	Type			Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop		kPa	23	/	/	/
	Piping Connection		Inch	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.27/0.38/0.50	0.40/0.57/0.75	0.50/0.72/0.93	0.67/0.96/1.24
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	550x650x260	550x650x260	550x650x260	550x650x260
		Outdoor Unit	mm	1260x395x1000	1260x395x1000	1260x420x1525	1347x442x1458
	Net Weight	Indoor Unit	kg	32	32	32	32
		Outdoor Unit	kg	125	140	160	170

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

HeatSTAR+ Series
M-HB

Technical Data

Model				HeatSTAR06M-HB	HeatSTAR09M-HB	HeatSTAR12M-HB	HeatSTAR15M-HB	HeatSTAR19M-HB
Seasonal Energy-(According to EN14825)								
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.58/3.40	4.61/3.32	4.60/3.36	4.70/3.24	4.70/3.28
	Rated Heat Output(Prated) (35°C/55°C)		kW	4.13/4.56	6.39/5.97	8.79/7.07	11.60/11.04	16.19/12.29
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	180.1/133.2	181.3/129.6	181.2/131.5	185.1/126.6	185/128.1
	Annual Energy Consumption(35°C/55°C)		kWh	1865/2770	2864/3720	3944/4345	5096/7039	7117/7746
	Sound power level (indoor/outdoor)		dB(A)	45/54	46/54	46/54	40/57	44/57
Nominal Capacity and Nominal Input								
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	2.86/7.45	3.52/9.22	4.49/11.7	6.02/15.5	7.68/18.5
	Heating Power Input Min./Max.		kW	0.71/1.74	0.82/2.14	0.99/2.77	1.42/3.38	1.57/4.23
	C.O.P		W/W	4.06/4.43	4.31/4.59	4.22/4.64	4.23/4.96	4.38/4.89
	Heating Capacity Min./Max	A7/W45	kW	2.64/6.80	3.16/8.68	3.85/11.3	5.32/14.5	6.97/18.2
	Heating Power Input Min./Max.		kW	0.86/2.06	1.01/2.56	1.24/3.35	1.58/4.09	1.94/5.08
	C.O.P		W/W	3.07/3.37	3.12/3.49	3.12/3.47	3.37/3.70	3.58/3.72
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.11/7.41	4.30/9.49	7.0/ 9.8	7.23/18.6	16/19.3
	Cooling Power Input Min./Max.		kW	0.46/1.89	0.54/2.29	1.73/ 2.51	1.42/5.0	4.70/6.30
	E.E.R		W/W	3.92/4.7	4.15/4.7	4.05 / 3.9	3.71/5.09	3.05/3.41
	Cooling Capacity Min./Max	A35/W7	kW	1.96/4.26	2.21/6.40	3.03/8.49	4.46/13.1	5.84/15.8
	Cooling Power Input Min./Max.		kW	0.54/1.77	0.60/2.13	0.79/3.08	2.68/4.32	1.33/5.47
	E.E.R		W/W	2.40/3.64	2.94/3.68	2.57/3.86	1.67/3.22	2.89/4.40
General Info								
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	380-420/50/3	380-420/50/3
Operation limits	Ambient Temperature Range		℃	-25~43	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		℃	58/25	58/25	58/25	58/25	58/25
	Water temperature range(cooling)		℃	20 / 7	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R32/ 0.9kg	R32 / 1.4kg	R32 /1.8kg	R32 / 2.55kg	R32 / 2.6kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	1	1	1
		Airflow	m3/h	2500	3150	3150	6200	6200
		Rated power	W	35	45	45	90	90
Water Side	Type			Plate Heat Exchanger				
	Water Pressure Drop		kPa	23	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.30/0.43/0.56	0.40/0.57/0.75	0.5/0.72/0.93	0.64/0.91/1.18
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	570x550x260	570x550x260	570x550x260	570x550x260	570x550x260
		Outdoor Unit	mm	1010x370x700	1165x370x845	1165x370x845	1085x400x1450	1085x400x1450
	Net Weight	Indoor Unit	kg	25	25	25	25	25
		Outdoor Unit	kg	65	78	85	130	140

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

HeatSTAR+ Series
M-CB

Technical Data

Model				HeatSTAR06M-CB	HeatSTAR09M-CB	HeatSTAR12M-CB	HeatSTAR15M-CB	HeatSTAR19M-CB
Seasonal Energy-(According to EN14825)								
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.58/3.40	4.61/3.32	4.60/3.36	4.70/3.24	4.70/3.28
	Rated Heat Output(Prated) (35°C/55°C)		kW	4.13/4.56	6.39/5.97	8.79/7.07	11.60/11.04	16.19/12.29
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	180.1/133.2	181.3/129.6	181.2/131.5	185.1/126.6	185/128.1
	Annual Energy Consumption(35°C/55°C)		kWh	1865/2770	2864/3720	3944/4345	5096/7039	7117/7746
	Sound power level (indoor/outdoor)		dB(A)	45/54	46/54	46/54	40/57	44/57
Nominal Capacity and Nominal Input								
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	2.86/7.45	3.52/9.22	4.49/11.7	6.02/15.5	7.68/18.5
	Heating Power Input Min./Max.		kW	0.71/1.74	0.82/2.14	0.99/2.77	1.42/3.38	1.57/4.23
	C.O.P		W/W	4.06/4.43	4.31/4.59	4.22/4.64	4.23/4.96	4.38/4.89
	Heating Capacity Min./Max	A7/W45	kW	2.64/6.80	3.16/8.68	3.85/11.3	5.32/14.5	6.97/18.2
	Heating Power Input Min./Max.		kW	0.86/2.06	1.01/2.56	1.24/3.35	1.58/4.09	1.94/5.08
	C.O.P		W/W	3.07/3.37	3.12/3.49	3.12/3.47	3.37/3.70	3.58/3.72
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.11/7.41	4.30/9.49	7.0/ 9.8	7.23/18.6	16/19.3
	Cooling Power Input Min./Max.		kW	0.46/1.89	0.54/2.29	1.73/ 2.51	1.42/5.0	4.70/6.30
	E.E.R		W/W	3.92/4.7	4.15/4.7	4.05 / 3.9	3.71/5.09	3.05/3.41
	Cooling Capacity Min./Max	A35/W7	kW	1.96/4.26	2.21/6.40	3.03/8.49	4.46/13.1	5.84/15.8
	Cooling Power Input Min./Max.		kW	0.54/1.77	0.60/2.13	0.79/3.08	2.68/4.32	1.33/5.47
	E.E.R		W/W	2.40/3.64	2.94/3.68	2.57/3.86	1.67/3.22	2.89/4.40
General Info								
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	380-420/50/3	380-420/50/3
Operation limits	Ambient Temperature Range		℃	-25~43	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		℃	58/25	58/25	58/25	58/25	58/25
	Water temperature range(cooling)		℃	20 / 7	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R32/ 0.9kg	R32 / 1.4kg	R32 /1.8kg	R32 / 2.55kg	R32 / 2.6kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	1	1	1
		Airflow	m3/h	2500	3150	3150	6200	6200
		Rated power	W	35	45	45	90	90
Water Side	Type			Plate Heat Exchanger				
	Water Pressure Drop		kPa	23	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.30/0.43/0.56	0.40/0.57/0.75	0.5/0.72/0.93	0.64/0.91/1.18
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	450x380x132	450x380x132	450x380x132	450x380x132	450x380x132
		Outdoor Unit	mm	1010x370x700	1165x370x845	1165x370x845	1085x400x1450	1085x400x1450
	Net Weight	Indoor Unit	kg	9	9	9	9	9
		Outdoor Unit	kg	67	80	87	132	142

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

HeatSTAR+ Series
M-AIO

Technical Data

	Model			HeatSTAR06M-AIO	HeatSTAR09M-AIO	HeatSTAR12M-AIO	HeatSTAR15M-AIO	HeatSTAR19M-AIO
Seasonal Energy-(According to EN14825)								
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.58/3.40	4.61/3.32	4.60/3.36	4.70/3.24	4.70/3.28
	Rated Heat Output(Prated) (35°C/55°C)		kW	4.13/4.56	6.39/5.97	8.79/7.07	11.60/11.04	16.19/12.29
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	180.1/133.2	181.3/129.6	181.2/131.5	185.1/126.6	185/128.1
	Annual Energy Consumption(35°C/55°C)		kWh	1865/2770	2864/3720	3944/4345	5096/7039	7117/7746
	Sound power level (indoor/outdoor)		dB(A)	45/54	46/54	46/54	40/57	44/57
Nominal Capacity and Nominal Input								
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	2.86/7.45	3.52/9.22	4.49/11.7	6.02/15.5	7.68/18.5
	Heating Power Input Min./Max.		kW	0.71/1.74	0.82/2.14	0.99/2.77	1.42/3.38	1.57/4.23
	C.O.P		W/W	4.06/4.43	4.31/4.59	4.22/4.64	4.23/4.96	4.38/4.89
	Heating Capacity Min./Max	A7/W45	kW	2.64/6.80	3.16/8.68	3.85/11.3	5.32/14.5	6.97/18.2
	Heating Power Input Min./Max.		kW	0.86/2.06	1.01/2.56	1.24/3.35	1.58/4.09	1.94/5.08
	C.O.P		W/W	3.07/3.37	3.12/3.49	3.12/3.47	3.37/3.70	3.58/3.72
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.11/7.41	4.30/9.49	7.0/ 9.8	7.23/18.6	16/19.3
	Cooling Power Input Min./Max.		kW	0.46/1.89	0.54/2.29	1.73/ 2.51	1.42/5.0	4.70/6.30
	E.E.R		W/W	3.92/4.7	4.15/4.7	4.05 / 3.9	3.71/5.09	3.05/3.41
	Cooling Capacity Min./Max	A35/W7	kW	1.96/4.26	2.21/6.40	3.03/8.49	4.46/13.1	5.84/15.8
	Cooling Power Input Min./Max.		kW	0.54/1.77	0.60/2.13	0.79/3.08	2.68/4.32	1.33/5.47
	E.E.R		W/W	2.40/3.64	2.94/3.68	2.57/3.86	1.67/3.22	2.89/4.40
General Info								
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	380-420/50/3	380-420/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	58/25	58/25	58/25	58/25	58/25
	Water temperature range(cooling)		°C	20 / 7	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R32/ 0.9kg	R32 / 1.4kg	R32 /1.8kg	R32 / 2.55kg	R32 / 2.6kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	1	1	1
		Airflow	m3/h	2500	3150	3150	6200	6200
		Rated power	W	35	45	45	90	90
Water Side	Type			Plate Heat Exchanger				
	Water Pressure Drop		kPa	23	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.30/0.43/0.56	0.40/0.57/0.75	0.5/0.72/0.93	0.64/0.91/1.18
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	600x730x1720	600x730x1720	600x730x1720	600x730x1720	600x730x1720
		Outdoor Unit	mm	1010x370x700	1165x370x845	1165x370x845	1085x400x1450	1085x400x1450
	Net Weight	Indoor Unit	kg	117	117	117	117	117
		Outdoor Unit	kg	65	78	85	130	140

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

HeatSTAR+ Series
M-FM

Technical Data

	Model			HeatSTAR06M-FM	HeatSTAR09M-FM	HeatSTAR12M-FM	HeatSTAR15M-FM	HeatSTAR19M-FM
Seasonal Energy-(According to EN14825)								
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.58/3.40	4.61/3.32	4.60/3.36	4.70/3.24	4.70/3.28
	Rated Heat Output(Prated) (35°C/55°C)		kW	4.13/4.56	6.39/5.97	8.79/7.07	11.60/11.04	16.19/12.29
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	180.1/133.2	181.3/129.6	181.2/131.5	185.1/126.6	185/128.1
	Annual Energy Consumption(35°C/55°C)		kWh	1865/2770	2864/3720	3944/4345	5096/7039	7117/7746
	Sound power level (indoor/outdoor)		dB(A)	45/54	46/54	46/54	40/57	44/57
Nominal Capacity and Nominal Input								
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	2.86/7.45	3.52/9.22	4.49/11.7	6.02/15.5	7.68/18.5
	Heating Power Input Min./Max.		kW	0.71/1.74	0.82/2.14	0.99/2.77	1.42/3.38	1.57/4.23
	C.O.P		W/W	4.06/4.43	4.31/4.59	4.22/4.64	4.23/4.96	4.38/4.89
	Heating Capacity Min./Max	A7/W45	kW	2.64/6.80	3.16/8.68	3.85/11.3	5.32/14.5	6.97/18.2
	Heating Power Input Min./Max.		kW	0.86/2.06	1.01/2.56	1.24/3.35	1.58/4.09	1.94/5.08
	C.O.P		W/W	3.07/3.37	3.12/3.49	3.12/3.47	3.37/3.70	3.58/3.72
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.11/7.41	4.30/9.49	7.0/ 9.8	7.23/18.6	16/19.3
	Cooling Power Input Min./Max.		kW	0.46/1.89	0.54/2.29	1.73/ 2.51	1.42/5.0	4.70/6.30
	E.E.R		W/W	3.92/4.7	4.15/4.7	4.05 / 3.9	3.71/5.09	3.05/3.41
	Cooling Capacity Min./Max	A35/W7	kW	1.96/4.26	2.21/6.40	3.03/8.49	4.46/13.1	5.84/15.8
	Cooling Power Input Min./Max.		kW	0.54/1.77	0.60/2.13	0.79/3.08	2.68/4.32	1.33/5.47
	E.E.R		W/W	2.40/3.64	2.94/3.68	2.57/3.86	1.67/3.22	2.89/4.40
General Info								
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	380-420/50/3	380-420/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	58/25	58/25	58/25	58/25	58/25
	Water temperature range(cooling)		°C	20 / 7	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R32/ 0.9kg	R32 / 1.4kg	R32 /1.8kg	R32 / 2.55kg	R32 / 2.6kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	1	1	1
		Airflow	m3/h	2500	3150	3150	6200	6200
		Rated power	W	35	45	45	90	90
Water Side	Type			Plate Heat Exchanger				
	Water Pressure Drop		kPa	23	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.30/0.43/0.56	0.40/0.57/0.75	0.5/0.72/0.93	0.64/0.91/1.18
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	450x380x132	450x380x132	450x380x132	450x380x132	450x380x132
		Outdoor Unit	mm	1010x370x700	1165x370x845	1165x370x845	1085x400x1450	1085x400x1450
	Net Weight	Indoor Unit	kg	9	9	9	9	9
		Outdoor Unit	kg	69	82	89	134	144

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

HeatSTAR+ Series
S-HB

Technical Data

	Model			HeatSTAR06S-HB	HeatSTAR09S-HB	HeatSTAR12S-HB	HeatSTAR15S-HB	HeatSTAR19S-HB
Seasonal Energy-(According to EN14825)								
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.58/3.40	4.61/3.32	4.60/3.36	4.70/3.24	4.70/3.28
	Rated Heat Output(Prated) (35°C/55°C)		kW	4.13/4.56	6.39/5.97	8.79/7.07	11.60/11.04	16.19/12.29
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	180.1/133.2	181.3/129.6	181.2/131.5	185.1/126.6	185/128.1
	Annual Energy Consumption(35°C/55°C)		kWh	1865/2770	2864/3720	3944/4345	5096/7039	7117/7746
	Sound power level (indoor/outdoor)		dB(A)	45/54	46/54	46/54	40/57	44/57
Nominal Capacity and Nominal Input								
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	2.86/7.45	3.52/9.22	4.49/11.7	6.02/15.5	7.68/18.5
	Heating Power Input Min./Max.		kW	0.71/1.74	0.81/2.14	0.99/2.77	1.42/3.38	1.57/4.23
	C.O.P		W/W	4.06/4.43	4.31/4.59	4.22/4.64	4.23/4.96	4.38/4.89
	Heating Capacity Min./Max	A7/W45	kW	2.64/6.80	3.16/8.68	3.85/11.3	5.32/14.5	6.97/18.2
	Heating Power Input Min./Max.		kW	0.86/2.06	1.01/2.56	1.24/3.35	1.58/4.09	1.94/5.08
	C.O.P		W/W	3.07/3.37	3.12/3.49	3.12/3.47	3.37/3.70	3.58/3.72
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.11/7.41	4.30/9.49	7.0/ 9.8	7.23/18.6	16/19.3
	Cooling Power Input Min./Max.		kW	0.45/1.89	0.54/2.29	1.73/ 2.51	1.42/5.0	4.70/6.30
	E.E.R		W/W	3.92/4.7	4.15/4.7	4.05 / 3.9	3.71/5.09	3.05/3.41
	Cooling Capacity Min./Max	A35/W7	kW	1.96/4.26	2.21/6.40	3.03/8.49	4.46/13.1	5.84/15.8
	Cooling Power Input Min./Max.		kW	0.54/1.77	0.60/2.13	0.79/3.08	2.68/4.32	1.33/5.47
	E.E.R		W/W	2.40/3.64	2.94/3.68	2.57/3.86	1.67/3.22	2.89/4.40
General Info								
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	380-420/50/3	380-420/50/3
Operation limits	Ambient Temperature Range		℃	-25~43	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		℃	58/25	58/25	58/25	58/25	58/25
	Water temperature range(cooling)		℃	20 / 7	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290 / 1kg	R290 / 1.6kg	R290 /1.8kg	R290 / 2.6kg	R290 / 3kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		11	1	1	1	1
		Airflow	m3/h	2500	3150	3150	6200	6200
		Rated power	W	35	45	45	90	90
Water Side	Type			Plate Heat Exchanger				
	Water Pressure Drop		kPa	23	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.30/0.43/0.56	0.40/0.57/0.75	0.5/0.72/0.93	0.64/0.91/1.18
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	750x500x298	750x500x298	750x500x298	750x500x298	750x500x298
		Outdoor Unit	mm	1010x370x700	1165x370x845	1165x370x845	1085x400x1450	1085x400x1450
	Net Weight	Indoor Unit	kg	37	39	39	42	45
		Outdoor Unit	kg	59	69	75	120	126

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

HeatSTAR+ Series
S-AIO

Technical Data

	Model			HeatSTAR06S-AIO	HeatSTAR09S-AIO	HeatSTAR12S-AIO	HeatSTAR15S-AIO	HeatSTAR19S-AIO
Seasonal Energy-(According to EN14825)								
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.58/3.40	4.61/3.32	4.60/3.36	4.70/3.24	4.70/3.28
	Rated Heat Output(Prated) (35°C/55°C)		kW	4.13/4.56	6.39/5.97	8.79/7.07	11.60/11.04	16.19/12.29
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	180.1/133.2	181.3/129.6	181.2/131.5	185.1/126.6	185/128.1
	Annual Energy Consumption(35°C/55°C)		kWh	1865/2770	2864/3720	3944/4345	5096/7039	7117/7746
	Sound power level (indoor/outdoor)		dB(A)	45/54	46/54	46/54	40/57	44/57
Nominal Capacity and Nominal Input								
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	2.86/7.45	3.52/9.22	4.49/11.7	6.02/15.5	7.68/18.5
	Heating Power Input Min./Max.		kW	0.71/1.74	0.81/2.14	0.99/2.77	1.42/3.38	1.57/4.23
	C.O.P		W/W	4.06/4.43	4.31/4.59	4.22/4.64	4.23/4.96	4.38/4.89
	Heating Capacity Min./Max	A7/W45	kW	2.64/6.80	3.16/8.68	3.85/11.3	5.32/14.5	6.97/18.2
	Heating Power Input Min./Max.		kW	0.86/2.06	1.01/2.56	1.24/3.35	1.58/4.09	1.94/5.08
	C.O.P		W/W	3.07/3.37	3.12/3.49	3.12/3.47	3.37/3.70	3.58/3.72
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.11/7.41	4.30/9.49	7.0/ 9.8	7.23/18.6	16/19.3
	Cooling Power Input Min./Max.		kW	0.45/1.89	0.54/2.29	1.73/ 2.51	1.42/5.0	4.70/6.30
	E.E.R		W/W	3.92/4.7	4.15/4.7	4.05 / 3.9	3.71/5.09	3.05/3.41
	Cooling Capacity Min./Max	A35/W7	kW	1.96/4.26	2.21/6.40	3.03/8.49	4.46/13.1	5.84/15.8
	Cooling Power Input Min./Max.		kW	0.54/1.77	0.60/2.13	0.79/3.08	2.68/4.32	1.33/5.47
	E.E.R		W/W	2.40/3.64	2.94/3.68	2.57/3.86	1.67/3.22	2.89/4.40
General Info								
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	380-420/50/3	380-420/50/3
Operation limits	Ambient Temperature Range		℃	-25~43	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		℃	58/25	58/25	58/25	58/25	58/25
	Water temperature range(cooling)		℃	20 / 7	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290 / 1kg	R290 / 1.6kg	R290 /1.8kg	R290 / 2.6kg	R290 / 3kg
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	1	1	1
		Airflow	m3/h	2500	3150	3150	6200	6200
		Rated power	W	35	45	45	90	90
Water Side	Type			Plate Heat Exchanger				
	Water Pressure Drop		kPa	23	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.30/0.43/0.56	0.40/0.57/0.75	0.5/0.72/0.93	0.64/0.91/1.18
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	600x710x1720	600x710x1720	600x710x1720	600x710x1720	600x710x1720
		Outdoor Unit	mm	1010x370x700	1165x370x845	1165x370x845	1085x400x1450	1085x400x1450
	Net Weight	Indoor Unit	kg	123	125	125	130	132
		Outdoor Unit	kg	59	69	75	120	126

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

HeatLITE Series
M-FM

Technical Data

	Model			HeatLITE06M-FM	HeatLITE09M-FM	HeatLITE12M-FM	HeatLITE15M-FM	HeatLITE19M-FM
Seasonal Energy-(According to EN14825)								
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	4.52/3.36	4.53/3.29	4.50/3.29	4.65/3.55	4.59/3.49
	Rated Heat Output(Prated) (35°C/55°C)		kW	5.82/5.39	8.49/7.45	8.68/7.88	12.64/11.58	14.46/13.77
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	177.6/131.3	178.1/128.7	177.2/128.7	183/139.1	180.7/136.6
	Annual Energy Consumption(35°C/55°C)		kWh	2661/3318	3874/4675	3983/4946	5616/6732	6503/8150
	Sound power level (indoor/outdoor)		dB(A)	54	61	62	62	65
Nominal Capacity and Nominal Input								
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	3.3/7.2	5.0/9.7	5.9/11.9	5.9/16.4	6.6/18.8
	Heating Power Input Min./Max.		kW	0.7/1.6	1.0/2.4	1.3/2.9	1.25/3.7	1.3/4.6
	C.O.P		W/W	4.26/4.87	4.01/4.57	4.05/4.67	4.3/4.7	4.03/5.01
	Heating Capacity Min./Max	A7/W45	kW	3.1/6.9	4.2/8.9	6.0/11.5	4.4/15.8	6.1/18.4
	Heating Power Input Min./Max.		kW	0.9/1.9	1.3/2.9	1.6/3.6	1.64/4.5	1.7/5.6
	C.O.P		W/W	3.41/3.78	3.03/3.4	3.19/3.66	2.68/3.5	3.29/3.71
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	3.1/7.1	4.2/9.1	5.1/12.2	7.5/16.9	5.5/19.2
	Cooling Power Input Min./Max.		kW	0.82/1.9	1.2/2.9	1.34/3.4	1.34/4.0	1.3/5.0
	E.E.R		W/W	3.32/4.25	3.28/4.24	3.33/4.33	4.23/5.6	3.81/4.71
	Cooling Capacity Min./Max	A35/W7	kW	1.8/4.8	3.1/7.9	4.2/8.9	5.1/11.2	4.7/13.1
	Cooling Power Input Min./Max.		kW	0.66/2.54	1.1/3.2	1.6/3.1	1.4/3.6	1.5/4.6
	E.E.R		W/W	2.54/2.84	2.38/2.83	2.61/3.22	3.06/3.6	2.89/3.25
General Info								
Electrical data	Power supply		V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	58/25	58/25	58/25	58/25	58/25
	Water temperature range(cooling)		°C	20 / 7	20 / 7	20 / 7	20 / 7	20 / 7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R32 / 0.75	R32 / 1.15	R32 /1.3	R32 / 2.6	R32 /2.9
	Compressor	Type - Quantity/System		Rotary	Rotary	Rotary	Rotary	Rotary
	Four-way valve + EEV			sanhua	sanhua	sanhua	sanhua	sanhua
	Fan	Quantity		1	1	1	1	1
		Airflow	m3/h	2500	3280	3280	6200	6200
		Rated power	W	60	62	62	124	124
Water Side	Type			Plate Heat Exchanger				
	Water Pressure Drop		kPa	23	23	23	23	23
	Piping Connection		Inch	G1"	G1"	G1"	G1-1/4"	G1-1/4"
	Allowable Water Flow-Min./Rated./Max.		L/S	0.20/0.29/0.37	0.30/0.43/0.56	0.40/0.57/0.75	0.5/0.72/0.93	0.64/0.91/1.18
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	/	/	/	/	/
		Outdoor Unit	mm	1015x380x700	1175x380x845	1175x380x845	1095x405x1440	1095x405x1440
	Net Weight	Indoor Unit	kg	/	/	/	/	/
		Outdoor Unit	kg	70	79	82	133	138

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

PowerSTAR Series
PowerSTAR+

Technical Data

	Model			PowerSTAR+ 30M	PowerSTAR+ 40M	PowerSTAR+ 80M
Seasonal Energy-(According to EN14825)						
ErP	Energy class - Heating (35°C/55°C)		-	A+++/A+++	A+++/A++	A+++/A++
	SCOP(35°C/55°C)		W/W	5.00/3.83	4.86/3.71	4.8/3.6
	Rated Heat Output(Prated) (35°C/55°C)		kW	25/24	28.6/28.1	56/54
	Seasonal Space Heating Efficiency (ηs) (35°C/55°C)		%	197/150	191.5/145.7	190/145
	Annual Energy Consumption(35°C/55°C)		kWh	10743/13198	12166/15641	24332/31282
	Sound power level (indoor/outdoor)		dB(A)	/	/	/
Nominal Capacity and Nominal Input						
Nominal heating	Heating Capacity Min./Max	A7/W35	kW	9.52/28.95	12.7/38.6	25.5/77.2
	Heating Power Input Min./Max.		kW	2.1/9.22	2.8/12.3	5.6/24.6
	C.O.P		W/W	4.50/3.10	4.58/3.15	4.58/3.15
	Heating Capacity Min./Max	A7/W45	kW	8.9/28.6	11.9/38.2	23.8/76.4
	Heating Power Input Min./Max.		kW	2.4/9.6	3.3/12.8	6.6/25.6
	C.O.P		W/W	3.60/2.80	3.61/2.9	3.61/2.9
Nominal cooling	Cooling Capacity Min./Max	A35/W18	kW	9.0/25.6	12.1/34.2	24.2/68.4
	Cooling Power Input Min./Max.		kW	2.1/6.8	2.8/9.1	5.6/18.2
	E.E.R		W/W	4.20/3.70	4.33/3.75	4.33/3.75
	Cooling Capacity Min./Max	A35/W7	kW	3.3/18.8	4.5/25.1	9/50.2
	Cooling Power Input Min./Max.		kW	2.1/7.0	2.9/9.4	5.8/18.8
	E.E.R		W/W	1.50/2.60	1.56/2.67	1.56/2.67
General Info						
Electrical data	Power supply		V/Hz/Ph	380-420/50/3	380-420/50/3	380-420/50/3
Operation limits	Ambient Temperature Range		°C	-25~43	-25~43	-25~43
	Water temperature range(heating)		°C	75/20	75/20	75/20
	Water temperature range(cooling)		°C	25/7	25/7	25/7
Refrigerant side	Refrigerant	Type / Amount	- / kg	R290 / 2.5kg	R290 / 4.2kg	R290 /4.2kg * 2
	Compressor	Type - Quantity/System		Scroll	Scroll	Scroll
	Four-way valve + EEV			san hua	san hua	san hua
	Fan	Quantity		2	1	2
		Airflow	m3/h	7500	/	/
		Rated power	W	120*2	1100	1100*2
Water Side	Type			Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Water Pressure Drop		kPa	/	/	/
	Piping Connection		Inch	G1-1/2"	G2"	G3"
	Allowable Water Flow-Min./Rated./Max.		L/S	1/1.4/1.8	1.3/1.9/2.5	2.6/3.8/5
Dimension	Net Dimension(L×D×H)	Indoor Unit	mm	390x450x132	390x450x132	390x450x132
		Outdoor Unit	mm	1510x620x1735	1170x970x1620	2540x970x1650
	Net Weight	Indoor Unit	kg	10	10	10
		Outdoor Unit	kg	250	320	610

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

PowerSTAR Series
PowerSTAR

Technical Data

Model			powerSTAR45M	powerSTAR90M
IP rating		IPXX	IPX4	IPX4
Power supply - Outdoor unit	Outdoor unit	V / Hz / Ph	400V/50Hz/3Ph	400V/50Hz/3Ph
	Fuse Outdoor unit	A	3p/40A/C	3p/80A/C
Heating condition: water inlet/outlet temperature: 30 °C/35°C, Ambient temperature: DB 7 °C /WB 6 °C				
Min/max heating capacity		kW	13.7~43.7	27.4~89.6
El. heating power input min/max		KW	3325~12077	6650~24254
C.O.P min/max		W/W	3.62~4.42	3.68~4.50
Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7 °C /WB 6 °C				
Min/max heating capacity		kW	13.6~43.2	28.2~89.5
El. heating power input min/max		KW	4156~14308	8212~28300
C.O.P min/max		W/W	2.99~3.38	3.16~3.48
SCOP - Average climate, low temperature		W	4.12	4.2
Energy class			A++	A++
Cooling condition: water inlet/outlet temperature: 23 °C/18°C, Ambient temperature: DB 35 °C /WB 24 °C				
Min/max cooling capacity		kW	17.7~32.0	36.4~66.0
El. cooling power input min/max		KW	3491~11771	6982~23742
E.E.R. min/max		W/W	2.72~5.09	2.8~5.19
Cooling condition: water inlet/outlet temperature: 12°C/7°C, Ambient temperature: DB 35 °C /WB 24 °C				
Min/max cooling capacity (A35/W7)		kW	11.2~29.9	23.4~61.2
El. cooling power input min/max		KW	3529~11640	6.88~23450
E.E.R. min/max		W/W	2.57~3.3	2.61~3.4
Min/max ambient working temp. in heating mode			-30-55	-30-55
Min/max ambient working temp. in cooling mode		℃	15-55	15-55
Max flow temp. in heating mode		℃	60	60
Min flow temp. in heating mode		℃	20	20
Min flow temp. in cooling mode		℃	7	7
Sound power level	Outdoor unit/Indoor unit	dB (A)	66/-	69/-
Components				
Compressor heater		W	30	30*2
Fan	Yes	pcs	1	2
	Airflow	m³/h	13500	13500*2
Tube in shell heat exchange	Water press. drop	kPa	80	100
	Piping connection	Inch	2" Inner gorve	DN65 Flange
Refrigerant	type	/	R410A	R410A
	charge	kg	8kg	8kg*2
Compressor	type	/	Inverter+EVI	Inverter+EVI
	Compressor brand and type		Panasonic, twin rotary	"Mitsubishi Electric scroll"
Hydraulics				
Minimum water flow		m³/h - l/s	5m³/h	10m³/h
Nominal water flow		m³/h	8m³/h	16m³/h
Hydraulic connections		Size	2" Inner gorve	DN65 Flange
Net Dimensions (L x D x H)	Outdoor unit	mm	1010*1160*1650	2160*1200*1650
	Indoor unit	mm	385*476*150	385*476*150
Dimensions (L x D x H)	Outdoor unit	mm	1030*1180*1750	2180*1220*1750
	Indoor unit	mm	400*490*180	400*490*180
Net weight	Outdoor unit/Indoor unit	kg	300/9	600/9
weight	Outdoor unit/Indoor unit	kg	370/10	680/10

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

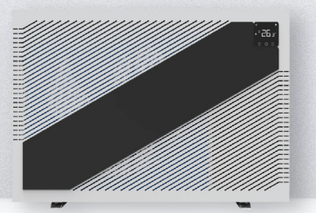
Swimming Pool Heat Pump
Pisces FI / Taurus Fi

Technical Data

Model		Pisces FI 07 / Taurus FI 07	Pisces FI 10 / Taurus FI 10	Pisces FI 13 / Taurus FI 13	Pisces FI 15 / Taurus FI 15	Pisces FI 20 / Taurus FI 20	Pisces FI 20Tri / Taurus FI 20Tir	Pisces FI 24 / Taurus FI 24	Pisces FI 24Tri / Taurus FI 24Tir	Pisces FI 30 / Taurus FI 30	Pisces FI 30Tri / Taurus FI 30Tir
Performance at Air 26°C, Water 26°C											
Capacity	kW	6.7	8.63	11.9	13.8	19.4	19.4	23.8	23.8	30.5	30.5
COP	W/W	6.36	6.1	5.78	5.47	5.58	5.58	5.35	5.35	5.43	5.43
Power input	KW	1.05	1.44	2.06	2.53	3.48	3.48	4.45	4.45	5.63	5.63
Performance at Air 15°C, Water 26°C											
Capacity	kW	5.1	6.38	8.66	10.74	14.7	14.7	17.6	17.6	24	24
COP	W/W	4.87	4.76	4.59	4.63	4.59	4.59	4.49	4.49	4.54	4.54
Power input	kW	1.04	1.34	1.88	2.32	3.2	3.2	3.93	3.93	5.29	5.29
Performance at Air 35°C, Water 30°C											
Capacity	kW	2.72	4.20	5.37	6.73	9.96	9.96	12.20	12.20	15.20	15.20
COP	W/W	4.66	3.90	4.10	4.08	3.41	3.41	2.95	2.95	2.78	2.78
Power input	kW	0.58	1.08	1.31	1.64	2.91	2.91	4.14	4.14	5.47	5.47
Performance at Air 2°C, Water 26°C											
Capacity	kW	3.72	3.76	5.13	6.13	9.96	9.96	12.40	12.40	17.50	17.50
COP	W/W	3.99	3.29	3.09	3.03	3.41	3.41	3.68	3.68	3.65	3.65
Power input	kW	0.93	1.14	1.65	2.02	2.91	2.91	3.38	3.38	4.79	4.79
Performance at Air -7°C, Water 26°C											
Capacity	kW	2.78	2.65	4.77	5.12	8.68	8.68	10.3	10.3	13.1	13.1
COP	W/W	3	3.12	2.69	3.2	3.16	3.16	3.18	3.18	2.99	2.99
Power input	kW	0.91	0.85	1.77	1.6	2.74	2.74	3.24	3.24	4.39	4.39
Power supply		230V/1 Ph/50Hz					380-420V/3 Ph/50Hz	230V/1 Ph/50Hz	380-420V/3 Ph/50Hz	230V/1 Ph/50Hz	380-420V/3 Ph/50Hz
Max power input	kW	1.8	2	3.0	3.5	4	6.48	5.3	6.48	6.2	10
Max current Input	A	8	9	13.0	16	17.5	11	23	11	27	15
Rated power	kW	1.04	1.34	1.88	2.32	3.2	3.2	3.93	3.93	5.29	5.29
Rated current	A	4.5	5.8	8.2	10	13.9	5.4	17.1	6.67	23	8.98
Fuse or circuit breaker(A)	A	10.0	11	15	18	20	13	28	13	36	17
Water flow	m³/h	3.0	3.0	3.87	4.73	6.45	6.45	7.75	7.75	10.33	10.33
Noise at 10m	dB(A)	19-31	21-34	20-34	23-36	27-37	27-37	29-39	32-42	29-39	32-42
Net/Package dimensions	mm	823×375×646			906×375×646	1104×395×746		1133×545×846			
Net/Package dimensions	mm	894×405×800			974×405×800	1174×425×881		1165×575×1025			
Container quantity (40HQ)	Pcs	213	213	213	195	141	141	80	80	80	80
Net/poids weight	kg	42.5/52	44.5/54	49.5/58	55.8/65.8	70/83	73.5/86.5	88.5/105.8	92/109.3	96/114	96/114
Advised pool volume	m³	15-30	22-43	30-56	37-68	45-85	45-85	54-90	54-90	72-120	72-120
Advised Pool Volume (fabricant)	m³	20	28	36	45	60	60	72	72	96	96
Heating temperature range	℃	15～40°C									
Cooling temperature range	℃	8～28°C									
Operating range	℃	-7～43°C									
WIFI		YES									

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

Swimming Pool Heat Pump
Gemini FI



Technical Data

Model		Gemini FI 10	Gemini FI 13	Gemini FI 16	Gemini FI 20	Gemini FI 20 Tri	Gemini FI 25	Gemini FI 25 Tri
Performance at Air 26°C, Water 26°C								
Capacity	kW	9.1	12.5	15.3	20.0	20.6	24.5	24.5
COP	W/W	6.1	6.00	6.10	5.5	5.9	5.1	5.1
Power input	KW	1.50	2.08	2.51	3.61	3.5	4.8	4.8
Performance at Air 15°C, Water 26°C								
Capacity	kW	6.7	9.05	11.5	15.5	16.0	18.5	18.5
COP	W/W	4.60	4.70	4.70	4.7	4.8	4.3	4.3
Power input	kW	1.45	1.93	2.43	3.30	3.3	4.3	4.3
Performance at Air 35°C, Water 27°C								
Capacity	kW	3.6	4.8	5.5	6.5	7.7	9.0	9.0
COP	W/W	3.53	3.70	3.50	3.61	2.00	2.2	2.2
Power input	kW	1.02	1.3	1.57	1.8	3.9	4.0	4.0
Performance at Air -7°C, Water 26°C								
Capacity	KW	4.3	6	7.2	8.2	8.1	9.6	9.6
COP	W/W	3.30	3.50	3.40	3.4	3.0	3.45	3.45
Power input	KW	1.32	1.72	2.1	2.4	2.7	2.8	2.8
Power supply		230V/1 Ph/50Hz				380/3 Ph/50Hz	230V/1 Ph/50Hz	380/3 Ph/50Hz
Max power input	KW	2.1	3.0	3.45	4.14	4	5.3	5.3
Max current Input	A	9	13	15	18	6.5	23	8.5
Fuse or circuit breaker(A)	A	11	15	18	21	10	28	10
Water flow	m^3/h	3-4	4-5	5-6	6-8	7-9	9-11	9-11
Gas R32 (Kg)		0.500	0.650	0.8	1.10	1.3	1.45	1.45
Noise at 10m	dB(A)	19-29	20-29	21-30	22-31	23-33	23-35	23-35
Net dimensions	mm	975×382×647	975×382×647	1046×412×747	1046×412×747	1066×442×847	1066×442×847	1066×442×847
Package dimensions	mm	1043×440×800	1043×440×800	1147×454×882	1147×454×882	1279×504×992	1279×504×992	1279×504×992
Container quantity （40HQ）	Pcs	198	156	96	96	84	84	84
Net/poids weight	kg	52/62	56/66.5	72.5/85.5	76/87.5	94/108	96/109	94/107.5
Advised pool volume	m^3	21-35	27-45	36-60	48-80	48-80	57-95	57-95
Advised Pool Volume (fabricant)	m^3	28	32	48	64	64	76	76
Heating temperatuer range	°C	15～40°C						
Cooling temperatuer range	°C	8～28°C						
Operating range	°C	-7～43°C						
WIFI		YES						

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

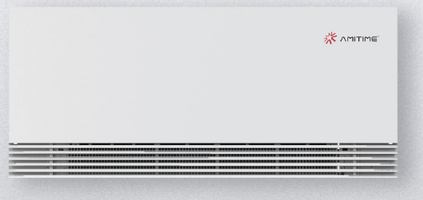
Heat pump water heater
AquaSTAR Series

Technical Data

Model		QAFF-01HGAAB/200GX	QAFF-01HGAAB/250GX	QAFF-01HGAAB/300GX	QAFF-03HGAAC/200GX	QAFF-03HGAAC/250GX	QAFF-03HGAAC/300GX
Air outlet method		Top	Top	Top	Side	Side	Side
Volume	L	200	250	300	200	250	300
Rated Heating Capacity	kW	1.28	1.28	1.28	3.5	3.5	3.5
Power Supply	V/Hz/P	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1
COP(EN16147)7/6°C	W/W	2.61	3.11	3.08	/	/	/
COP （20/15°C）	W/W	/	/	/	4.81	4.92	4.95
Heating Time*	h	5.41	6.8	8.15	3.05	3.75	4.5
Refrigerant	/	R290(150g)	R290(150g)	R290(150g)	R290(450g)	R290(450g)	R290(450g)
Electric Heater	kW	2	2	2	2	2	2
Noise	dB(A)	42	42	42	50	50	50
Operation Range	°C	-5～43	-5～43	-5～43	-5～43	-5～43	-5～43
Water Outlet Temp Range	°C	38～60	38～60	38～60	38～60	38～60	38～60
Max. Water Outlet Temp	°C	75	75	75	75	75	75
Net Weight	kg	95	105	115	100	110	125
Net Dimension	mm	∮640*1764	∮640*1890	∮640*2016	∮640*1774	∮640*1900	∮640*2026

* Testing condition is ambient temp DB/WB 7°C/6°C, water inlet/outlet is 15°C/55°C

Fan coil Series
BM Fan Coil



Technical Data

Model		BM150	BM350	BM450	BM600
Cooling: Water inlet/outlet 7/12°C;Room temperature DB/WB27/19°C					
(a)Total Cooling Capacity	kW	0.75	1.5	2.2	3.1
Sensible Cooling Capacity	kW	0.61	1.25	1.9	2.6
Water Flow Rate	l/h	142	302	453	573
Water Pressure Drops	kPa	7	9	22	28
Heating: Water inlet50°C,water flow rate as in cooling operation;Room temperature 20°C					
(b)Heating Capacity	kW	0.99	2	2.8	4.2
Water Flow Rate	l/h	142	302	453	573
Water Pressure Drops	kPa	6.5	7	18.5	24.5
Heating: Water inlet70°Coutlet6°C:Room temperature20°C					
(c) Heating Capacity	kW	1.55	3.1	4.6	6.3
Water Flow Rate	l/h	162	343	471	600
Water Pressure Drops	kPa	7	7.5	19	25
Coil Water Content		0.48	0.85	1.15	1.48
Maximum Operating Pressure	bar	10	10	10	10
Water Pipe Connector	inches	G1/2	G1/2	G1/2	G1/2
Air flow measured with clean filter					
(d)Maximum Air Flow	m3/h	160	320	460	580
Power Supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Maximum Running Current	A	0.12	0.16	0.21	0.24
Maximum Power Input	W	14	23	27	33
Sound pressure level tested as per EN12102:2008 and ISO3745:2012,and certified by Intertek					
(e)Maximum Noise	dB(A)	39	40	42	42.1
(e)Minimum Noise	dB(A)	19.8	18.3	19.1	21
Length	mm	720	920	1120	1320
Height(without feet)	mm	620	630	630	630
Depth	mm	165	165	165	165
Net Weight	kg	14	16.5	19.5	22.5
Gross Weight	kg	16	19	22	25.5

The specifications are subject to change without prior notice.For actual specifications ofunit,please refer to the stickers on the unit.

Fan coil Series
SU Fan Coil

Technical Data

Model		SU-600A	SU-800A
Cooling capacity	kW	2.2	3.1
Heating capacity	kW	2.8	4.2
Water flow	m3/h	0.45	0.6
Max. working pressure	Mpa	1	1
Rated air volume	m3/h	300-580	300-580
Power supply		230V/1 Ph/50Hz	230V/1 Ph/50Hz
Max. power input	W	26	26
Fan motor	pcs	1	1
Noise value	dB(A)	<45	<45
Pipe connector	inlet/outlet	G 1/2’	G 1/2’
Mounting hole	mm	1058.5×360	1058.5×360
Net dimensions	mm	1090×130×505	1090×130×505
Package dimensions	mm	1163×584×206	1163×584×206
Net/Package weight	kg	11/14	11/14

(1)Cooling condition: water inlet/outlet temperature 7/12°C, Ambient temperature 27/19°C;
(2)Heating condition: water inlet temperature 50°C, water flow 0.6m3/h, Ambient temperature 20°C;
(3)For actual specification of unit, please refer to the stickers on the unit.