HEAT PUMPS

SENDO

FEELING COOL

NEW **G**EN
HEROX

SENDO

HEROX

HERO X
HEAT PUMPS

8Kw - 12Kw

R32

R32
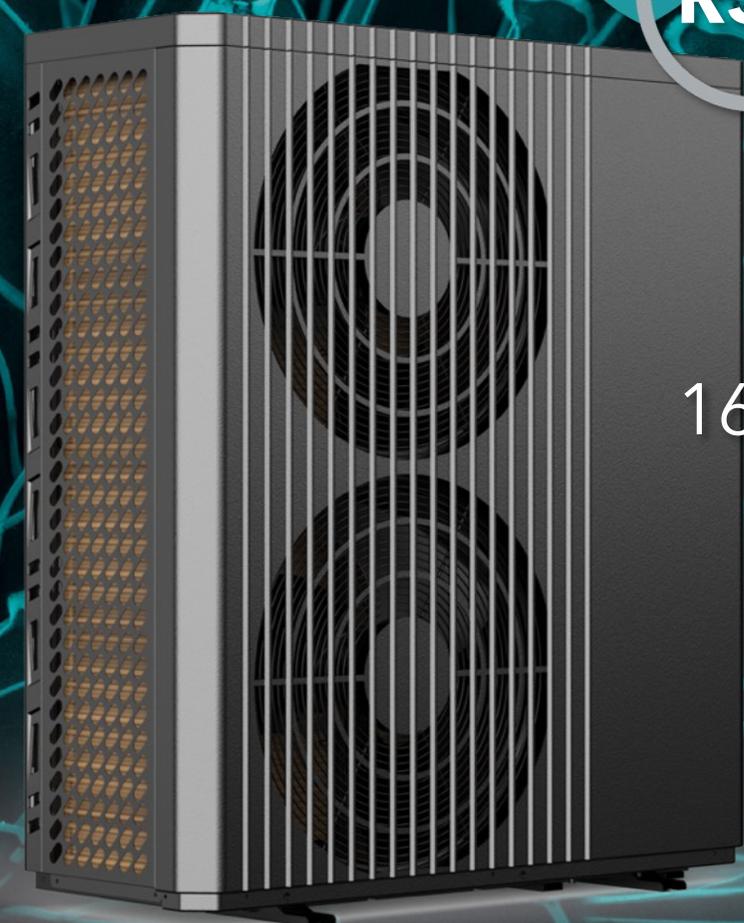
16Kw -22Kw

HeroX Series
Heating/Cooling+DHW Heat Pump

- R32
- A++ (ErP Energy Level)
- 55℃ (Water Outlet)
- Low Noise

SENDO

HeroXR Series
Heating/Cooling+DHW Heat Pump

- R290
- A+++ (ErP Energy Level)
- 75℃ (Water Outlet)
- Low Noise

SENDO

Cooling | Heating | Sanitary Hot Water

Key Components

RS485 Centralized Control

Green Therm Series is highlighted with central control system as a RS485 serial port is designed for communications in every unit.

Circulation Water Pump

Connect to the water inlet of the machine to make water flow in the pipe.

Plate Heat Exchanger

Thin rectangular channels are formed between various plates, and heat exchange is carried out through the plates, which has the advantage of high heat exchange efficiency.
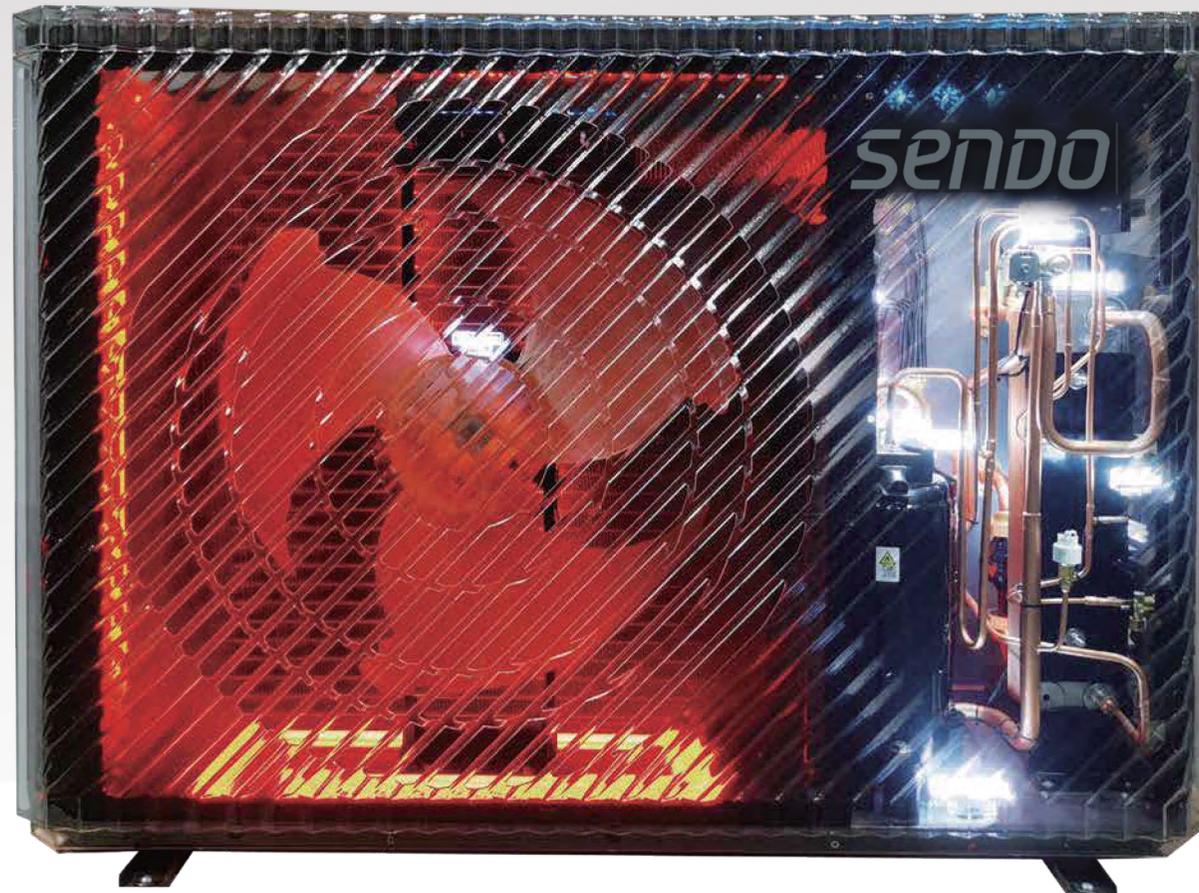
Electronic Expansion Valve

With electronic expansion valve, it can instantly adjust refrigerant flow to ensure the stability of the refrigeration system.
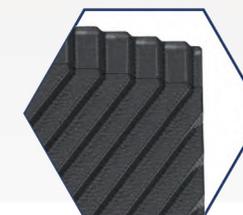
Pressure Sensor

Pressure Sensor can detect system pressure and transmiss the signal to the main board so as to protect the unit.

Elegant Wave Screw-Free Design

GreenTherm Series features stylish and innovative cabinet design, no screws are visible on the surface
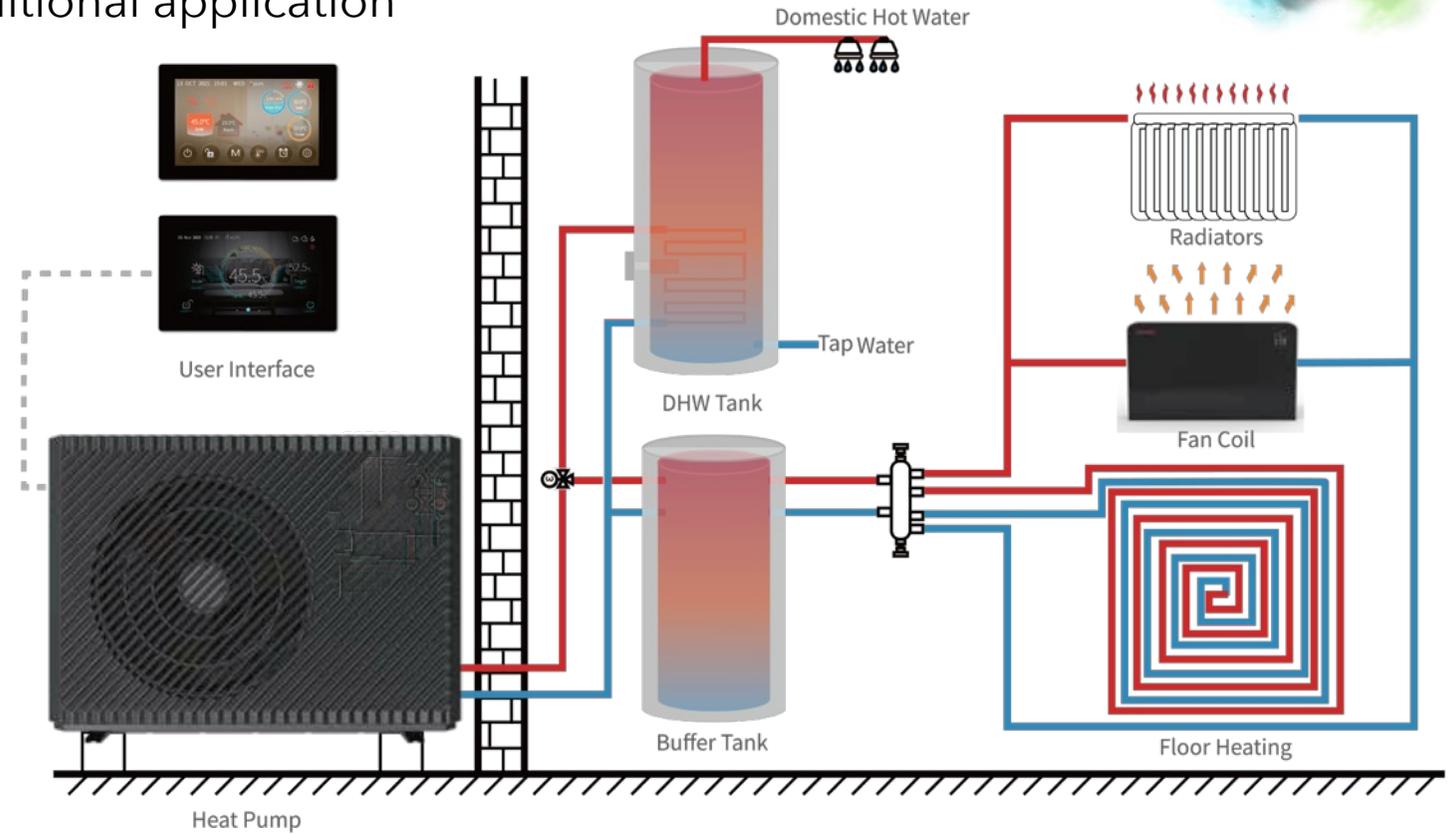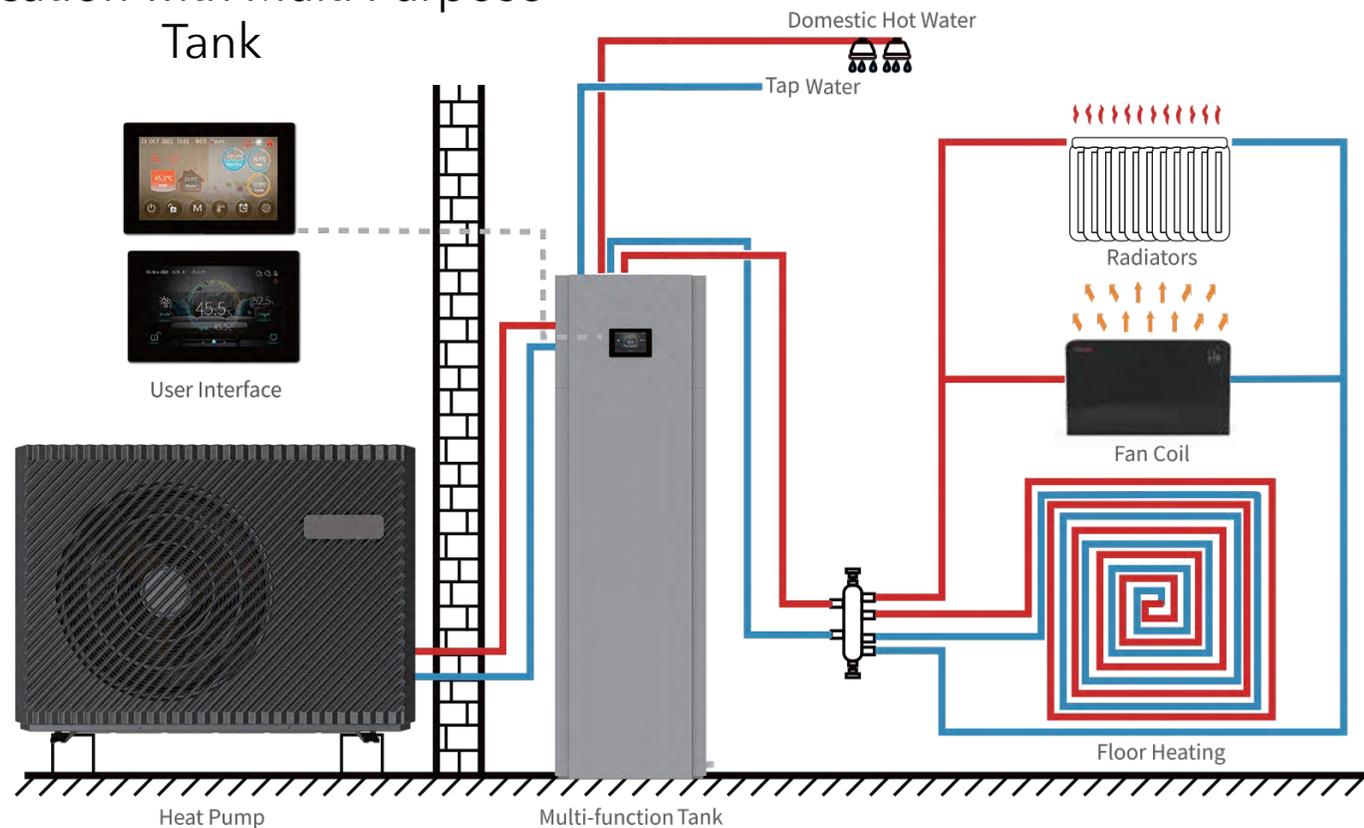
ASA Material

The ASA panel and top cover are strongly corrosion-resistant and anti-weathering that ensures a long service life.

HeroX

R 32

Traditional application

SENDO provides the monoblock heat pump with main circulation pump built inside. When installing the unit, installer should connect the heat pump with other parts including the buffer tank (for space heating/cooling), storage water tank (for domestic hot water) and water pumps (for space heating/cooling water

circulation and domestic hot water). External fittings are also needed in cluding the safety valve, water refill valve and hot water valves (three-way valve). Temperature sensor should be added in the storage water tank. Additional electric heater can be installed in the DHW tank or the buffer tank which can get

the control signal from the heat pump.

Domestic Hot Water

User Interface

DHW Tank

Tap Water

Radiators

Fan Coil

Buffer Tank

Floor Heating

Heat Pump

Application with Multi Purpose Tank

Domestic Hot Water

Tap Water

User Interface

Radiators

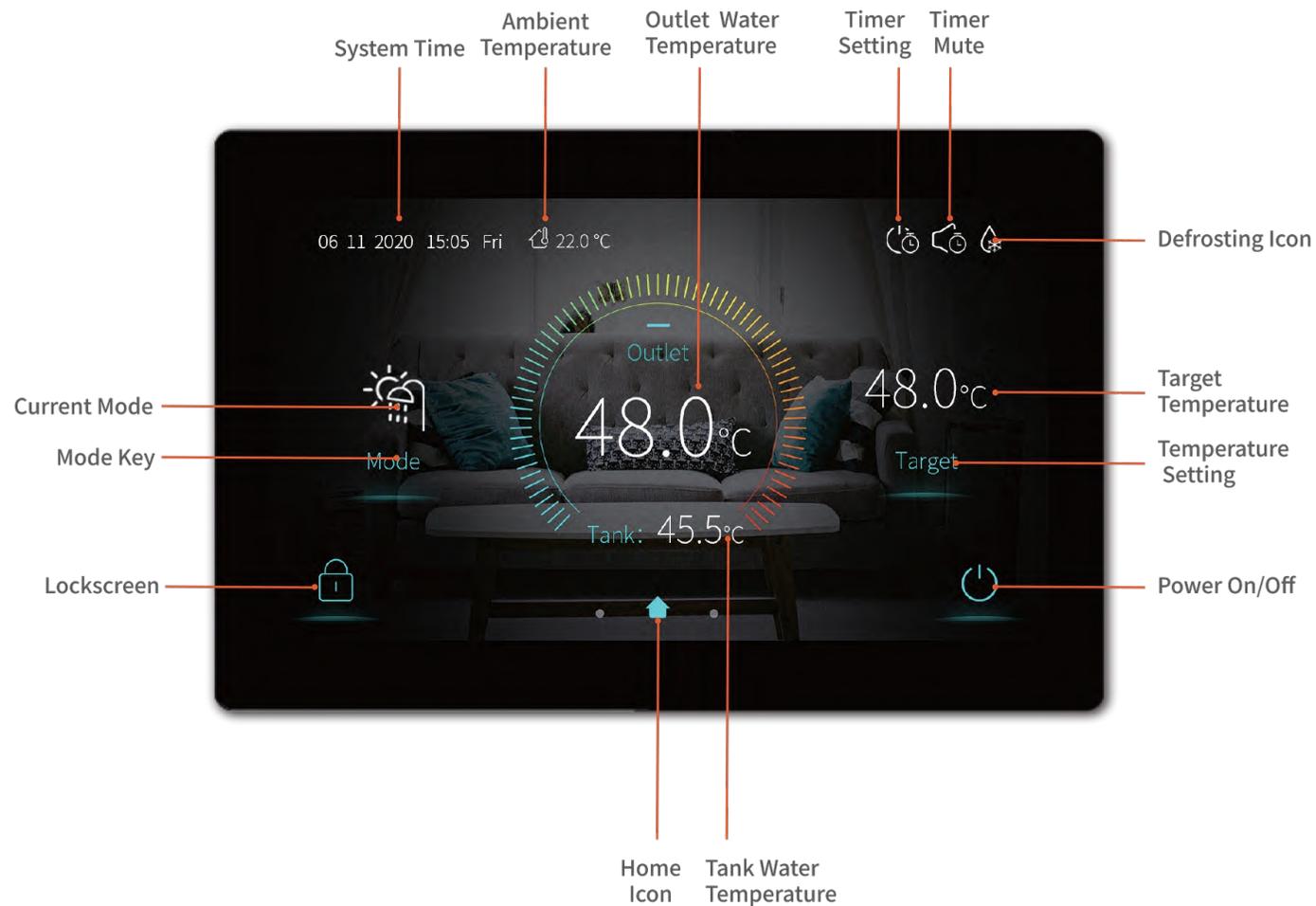Fan Coil

Floor Heating

Heat Pump

Multi-function Tank

SENDO provides the monoblock heat pump and the Multi-function tank. Multi-function tank includes a buffer tank and a storage tank, a circulation pump for heating/cooling(optional), safety valve, water refill valve and expansion tank. When installing the unit, installer just needs to connect the heat pump directly to the Multi-function tank.
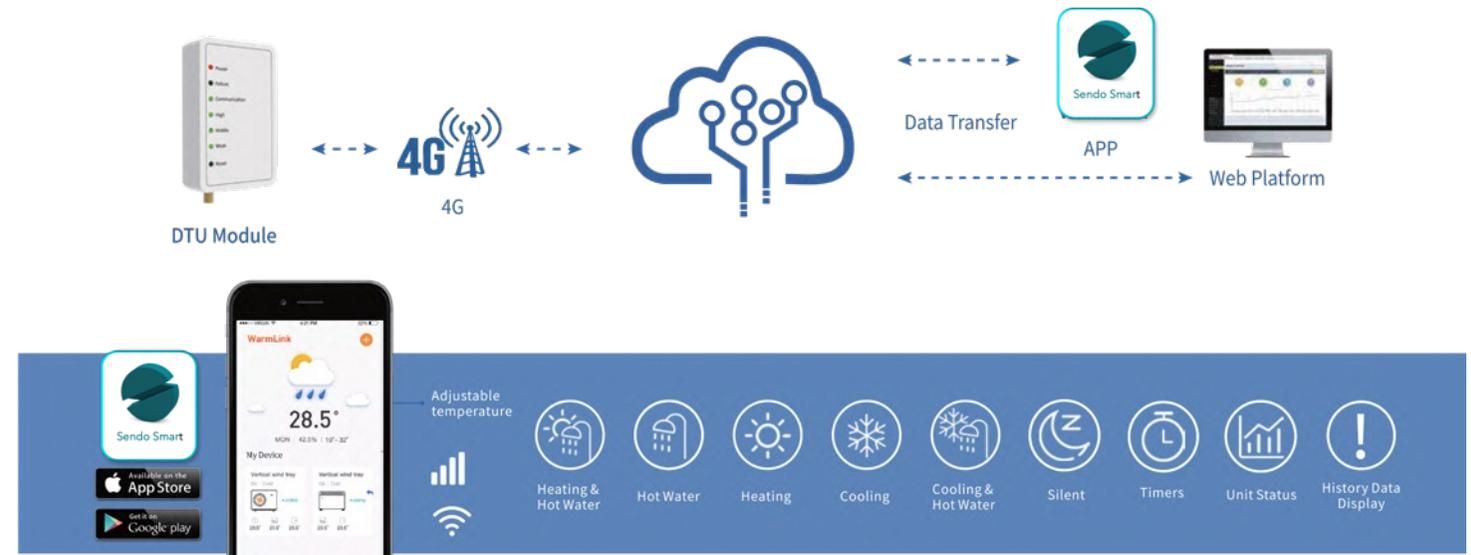
HeroX

Smart Touch Display

Two types of controllers are up to choice.

Sendo Smart Display Inverter Heat Pump has a high-end controller with 5-inch colourful touch screen, which is on =e of the highlights of this tready heat Pump product. With Temperatures and power consumption curve, users can always Be clear of the energy consumption at a glance. It is incredibly convenient for users from different countries that multi-language function can be chosen.


System Time
Ambient Temperature
Outlet Water Temperature
Timer Setting
Timer Mute
Defrosting Icon

06 11 2020 15:05 Fri 22.0 ℃

Current Mode
Mode Key
Lockscreen

Outlet
48.0℃
Mode
Tank: 45.5℃

Target Temperature
48.0℃
Target
Temperature Setting
Power On/Off

Home Icon
Tank Water Temperature

Smart app control brings a lot convenience to users.Temperature adjustements, mode switching, and timer setting can be achieved on your smart phone. Morevoer you can know power consumption statistics and fault receord anytime and anywhere.

DTU Module
4G
Data Transfer
APP
Web Platform

WarmLink
28.5°
Adjustable temperature
Heating & Hot Water
Hot Water
Heating
Cooling
Cooling & Hot Water
Silent
Timers
Unit Status
History Data Display

Available on the App Store
Get it on Google play

WiFi Module
Router
Data Transfer
APP
Web Platform

Web Platform

Central Platform management can be realized with DTU or WIFI function, which effectively saves the cost for labor when service is needed.
The fault report button creates a direct error report channel to the local service provider.
When an error is reported, the service providercan notice the error information of the target house heating heat pump from the backround system, and contact the users immediately to offer help.
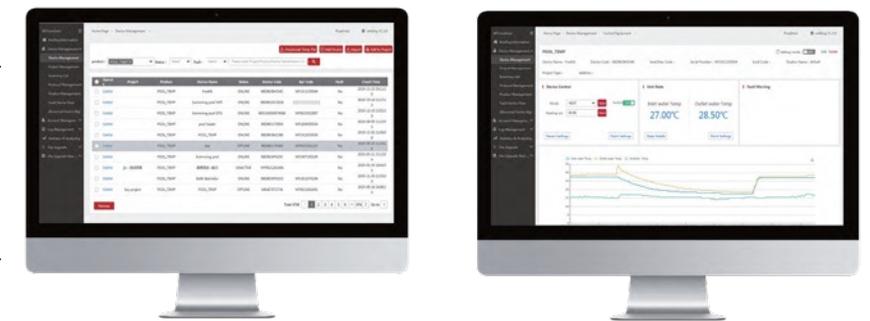
specifications

EVI DC Inverter Heat Pump for cooling heating and DHW （R32）						
Model	SNH-030-HX2P	SNH-040-HX2P	SND-050-HX2P	SNH-040-HX2P	SNH-050-HX2P	SNH-060-HR2P
Heating Condition - Ambient Temp. DB/WB）: 7/6°C, Water Temp. (In/Out): 30/35°C						
Heating Capacity Range (kW)	1.57~8.40	4.40~13.00	5.9~18.2	4.40~13.00	5.9~18.2	7.5~23.0
Heating Power Input Range(kW)	0.37~1.97	0.95~3.12	1.28~4.26	0.95~3.12	1.28~4.26	1.61~5.38
COP Range	4.26~4.24	4.17~4.63	4.27~4.61	4.17~4.63	4.27~4.61	4.28~4.66
DHW Condition-Ambient Temp.（DB/WB）: 7/6°C, Water Temp.（In/Out）: 15/55°C						
Heating Capacity Range (kW)	1.28~6.81	3.52~10.50	4.80~14.72	3.52~10.50	4.80~14.72	6.1~18.5
Heating Power Input Range(kW)	0.36~2.23	0.93~3.49	1.25~4.75	0.93~3.49	1.25~4.75	1.61~6.12
COP Range	3.05~3.56	3.01~3.78	3.10~3.84	3.01~3.78	3.10~3.84	3.02~3.79
Cooling Condition - Ambient Temp.（DB/WB）:35/24°C, Water Temp.（In/Out）: 12/7°C						
Cooling Capacity Range (kW)	0.99~6.22	2.80~8.20	3.81~11.53	2.80~8.20	3.81~11.53	4.73~14.6
Cooling Power Input Range(kW)	0.34~2.28	0.90~3.41	1.19~4.20	0.90~3.41	1.19~4.20	1.47~5.29
EER Range	2.73~2.91	2.40~3.11	2.75~3.20	2.40~3.11	2.75~3.20	2.76~3.22
ErP Level (35°C)	A+++	A+++	A+++	A+++	A+++	A+++
ErP Level (55°C)	A++	A++	A++	A++	A++	A++
Power supply	230V/1Ph/50Hz/60Hz			380V/3Ph/50-60Hz		
Diameter of pipe (mm)	DN25	DN25	DN25	DN25	DN25	DN25
Water Flow(m3/h)	1,5	2,2	3,2	2,2	3,2	3,9
Water Pressure Drop (max) kPa	30	35	40	35	40	45
Water pump (m)	9	9	12	9	12	12
Noise dB(A)	≤53	≤55	≤57	≤55	≤57	≤58
Net Weight (kg)	105	115	160	115	160	165
Net Dimension (L/W/H) mm	970×475×820	1100×475×970	1050×480×1380	1100×475×970	1050×480×1380	1050×480×1380
Operation Ambient Temp. (°C)	-30~43°C					
Operating water temperature (°C)	20~55°C（DHW）					
Operating water temperature (°C)	20~50°C（Heating）					
Operating water temperature (°C)	7~35°C（Cooling）					

SENDO

Monoblock design

R32   55oC

R290   75oC

INVERTER

GOLDEN FIN

5 YEARS WARRANTY

WIFI STD

50 dbA

HeroX

One climate ahead