



# Heat Pump System

*Non-stop Operation at 10Hz Variable Frequency  
Precise Temperature Control  $\pm 0.5^{\circ}\text{C}$   
Aesthetic Stone Slab  
Ultra-quiet & Low Noise*

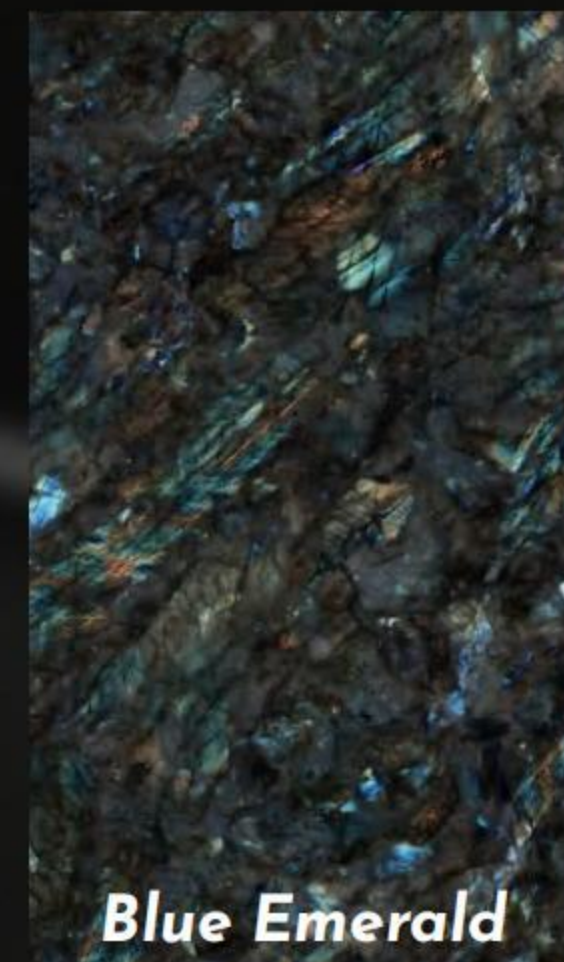
**In Serenity, Find Elegance**

# Let Aesthetics Speak To Your Emotions.

Integrated aluminum alloy air grille paired with vibrant, art-inspired stone slabs.



Custom Panel Options:



Blue Emerald



Divine Blue



Labradorite

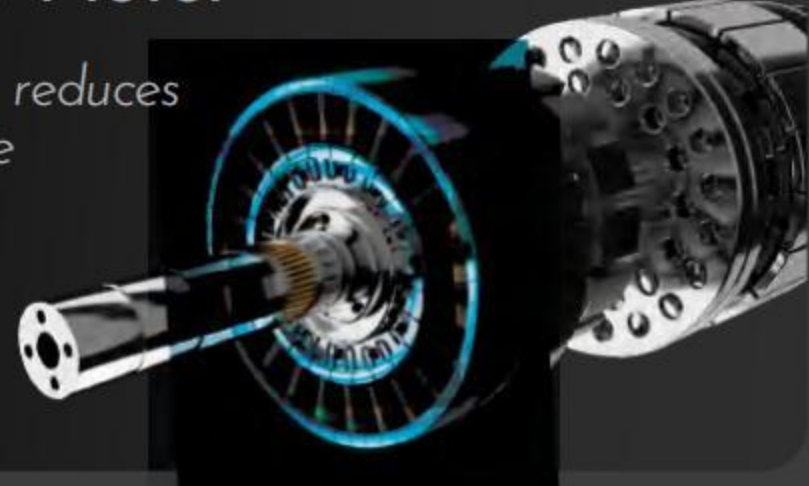


Garment Green

## 8-Dimensional Noise Reduction Technology

### DC Inverter Motor

Brushless design reduces mechanical noise



### DC Inverter Silent Water Pump

Precise speed and flow control for noise reduction



### Automotive-grade Dual-component Sound-absorbing Foam

Effectively blocks low-frequency noise



### Pipeline Dynamic Vibration Simulation Design

Reduces pipeline vibration



### Dual Vibration Absorption for Compressor

Minimizes vibration-transmitted noise



### Large Inclination & Large Diameter Fan Blades

Reduces fan operation noise



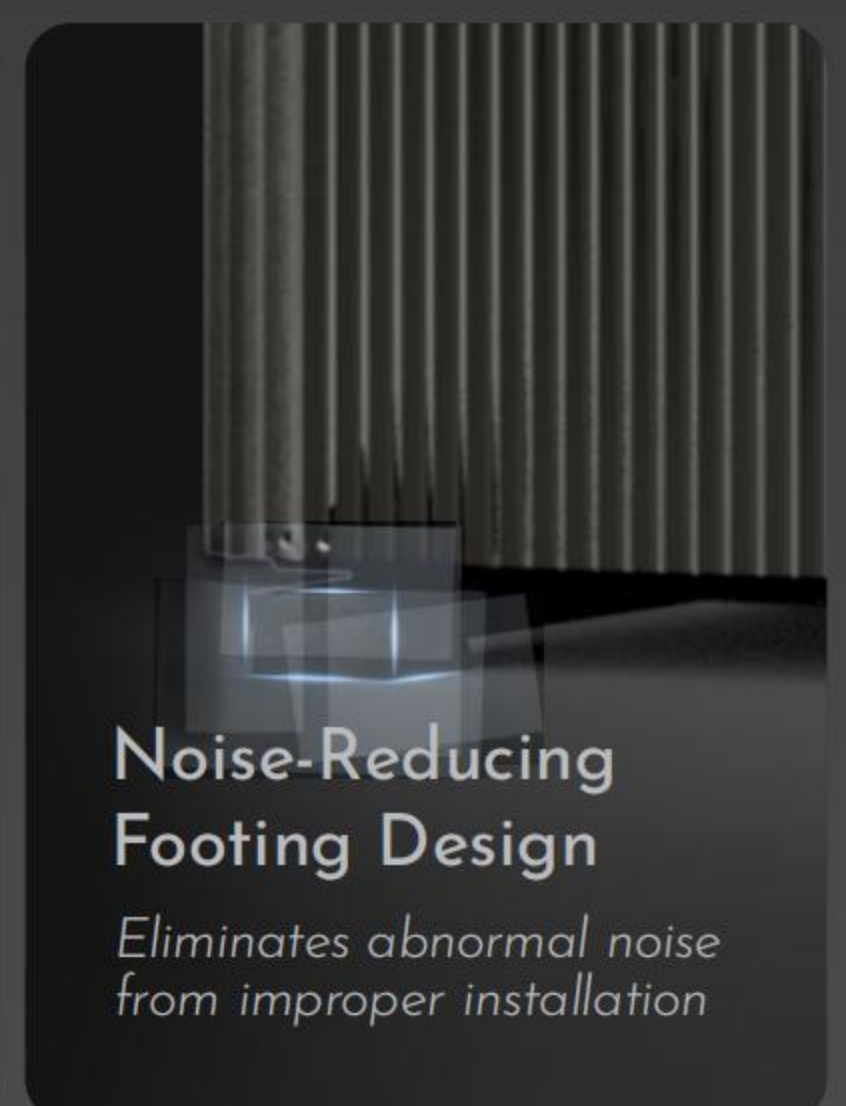
### 3D Sealed Acoustic Chamber Design

Effectively isolates compressor noise



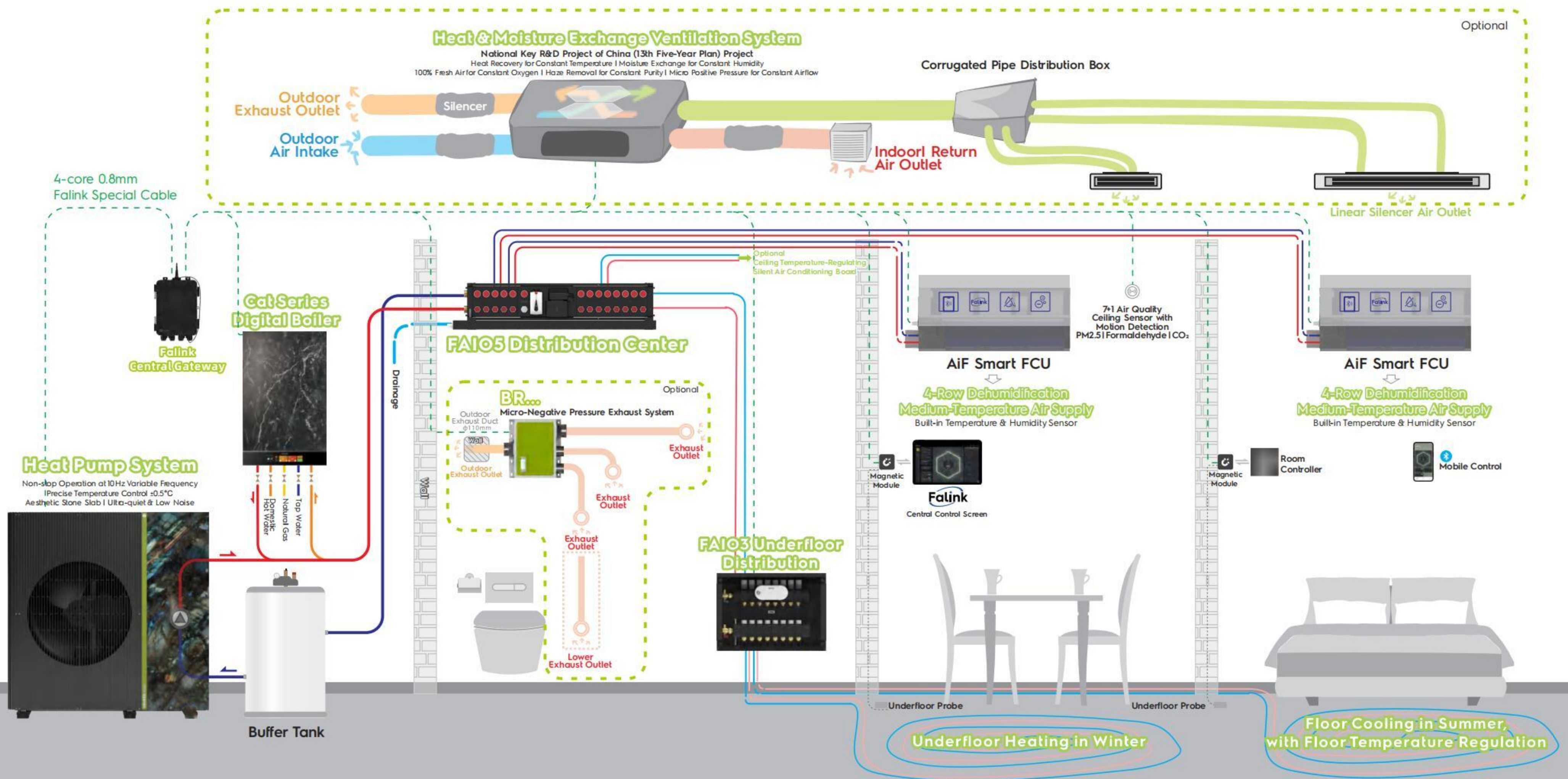
### Noise-Reducing Footing Design

Eliminates abnormal noise from improper installation



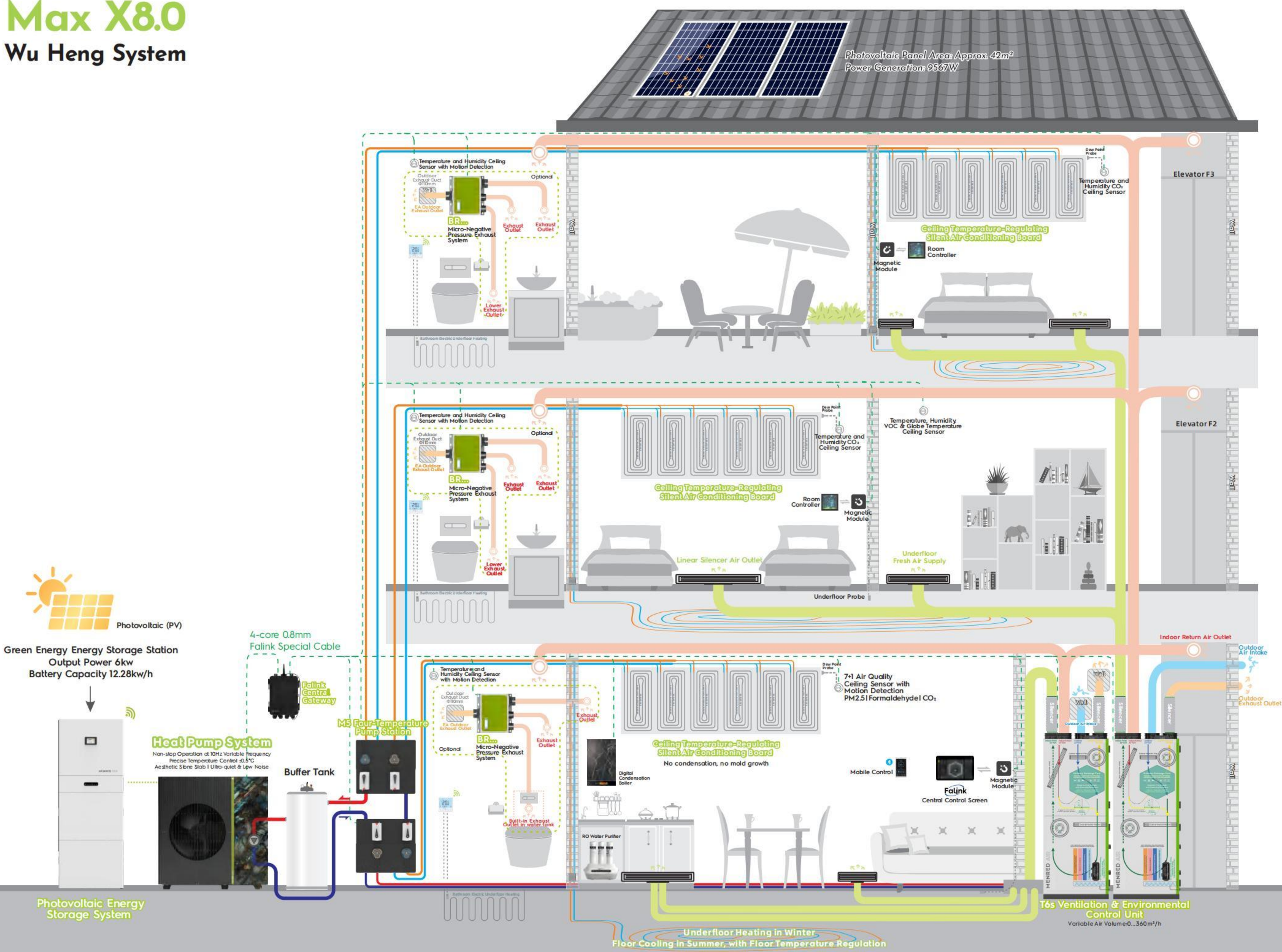
# Plus X2.0

## Wu Heng System



# Max X8.0

## Wu Heng System



# Heat Pump System

AI Cloud Service + IOT + OTA

**Liquid-Cooled Heat Dissipation System**  
For efficient heat exchange & cooling

**3-Row Fin Heat Exchanger**  
For larger heat transfer area

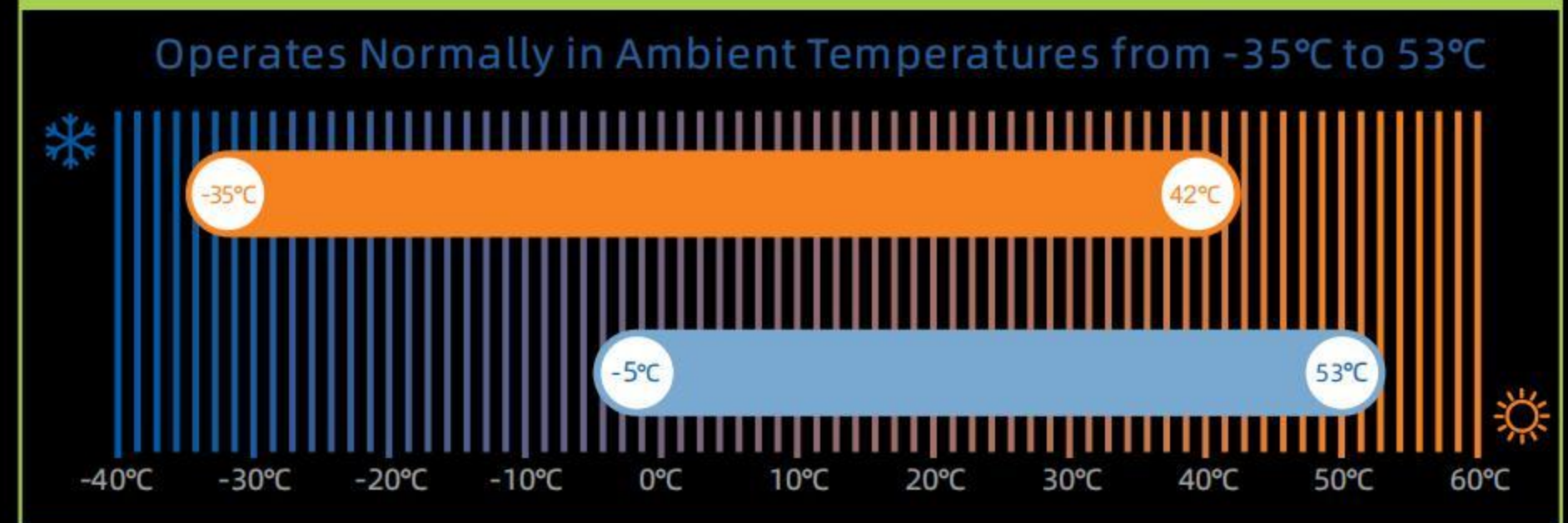
**Liquid-Cooled Heat Dissipation System**  
For rapid heat dissipation

**Suspended Silent Chamber Design**  
For effective noise isolation

**EVI for both Heating & Cooling**  
To boost heating & Cooling capacity

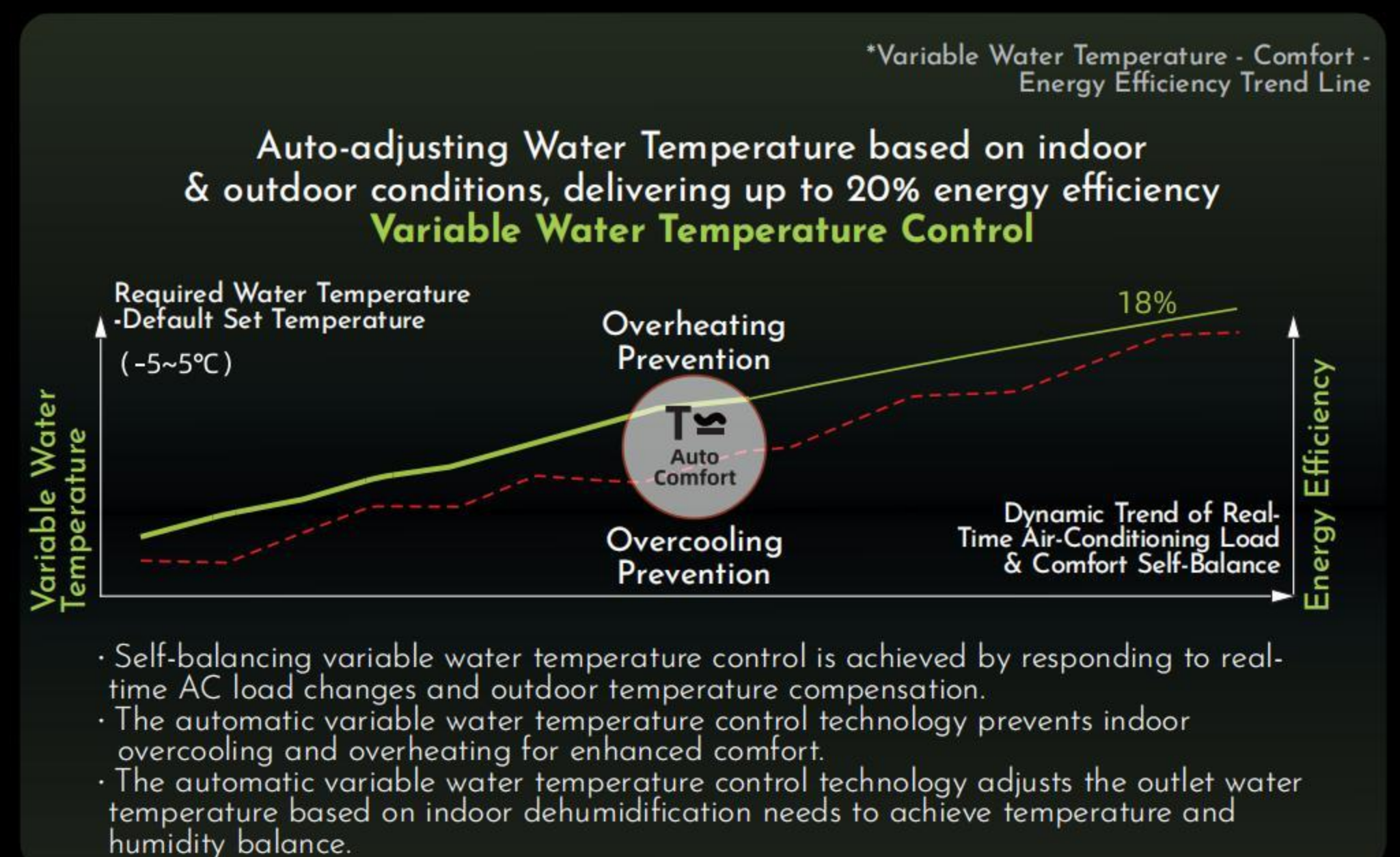
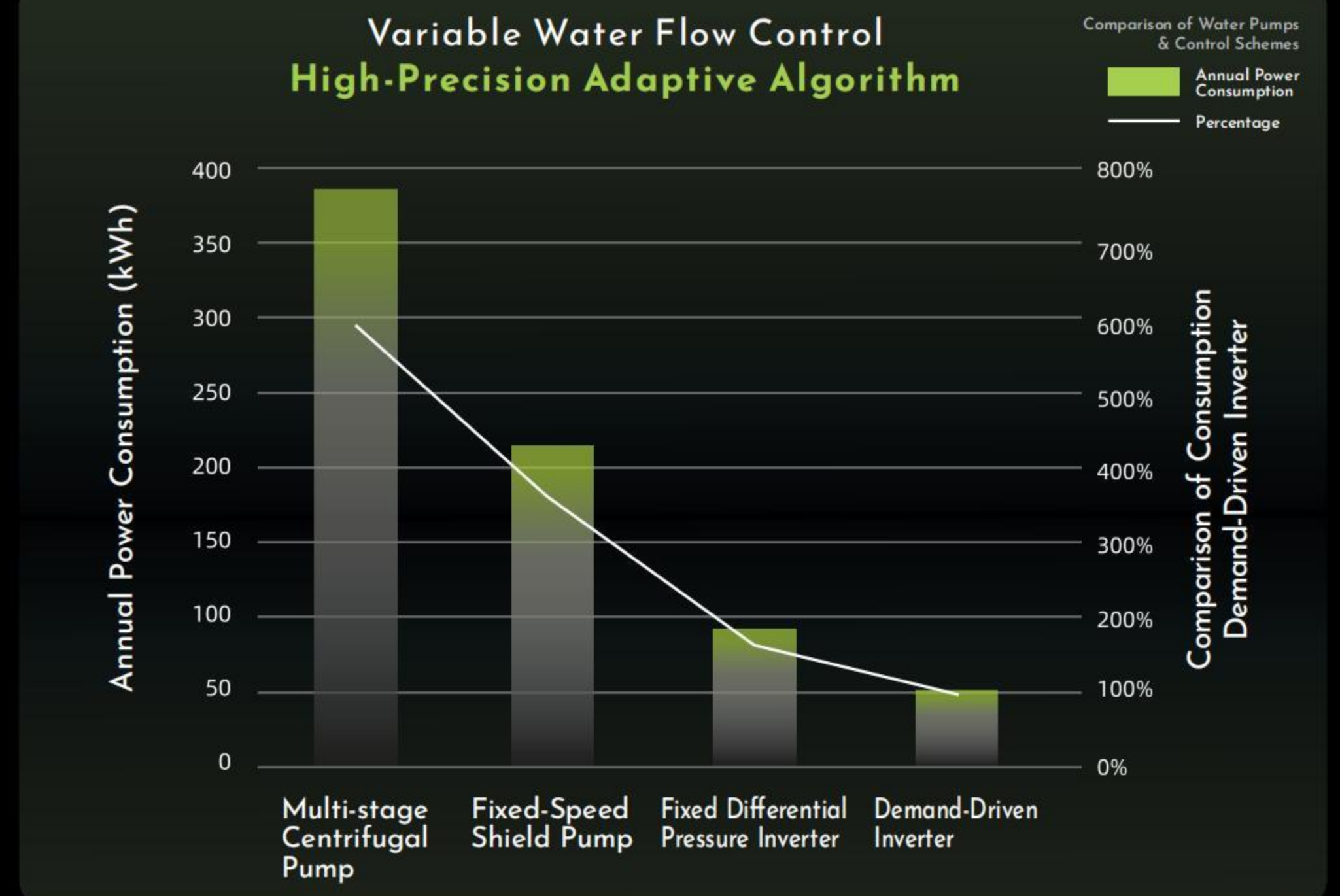
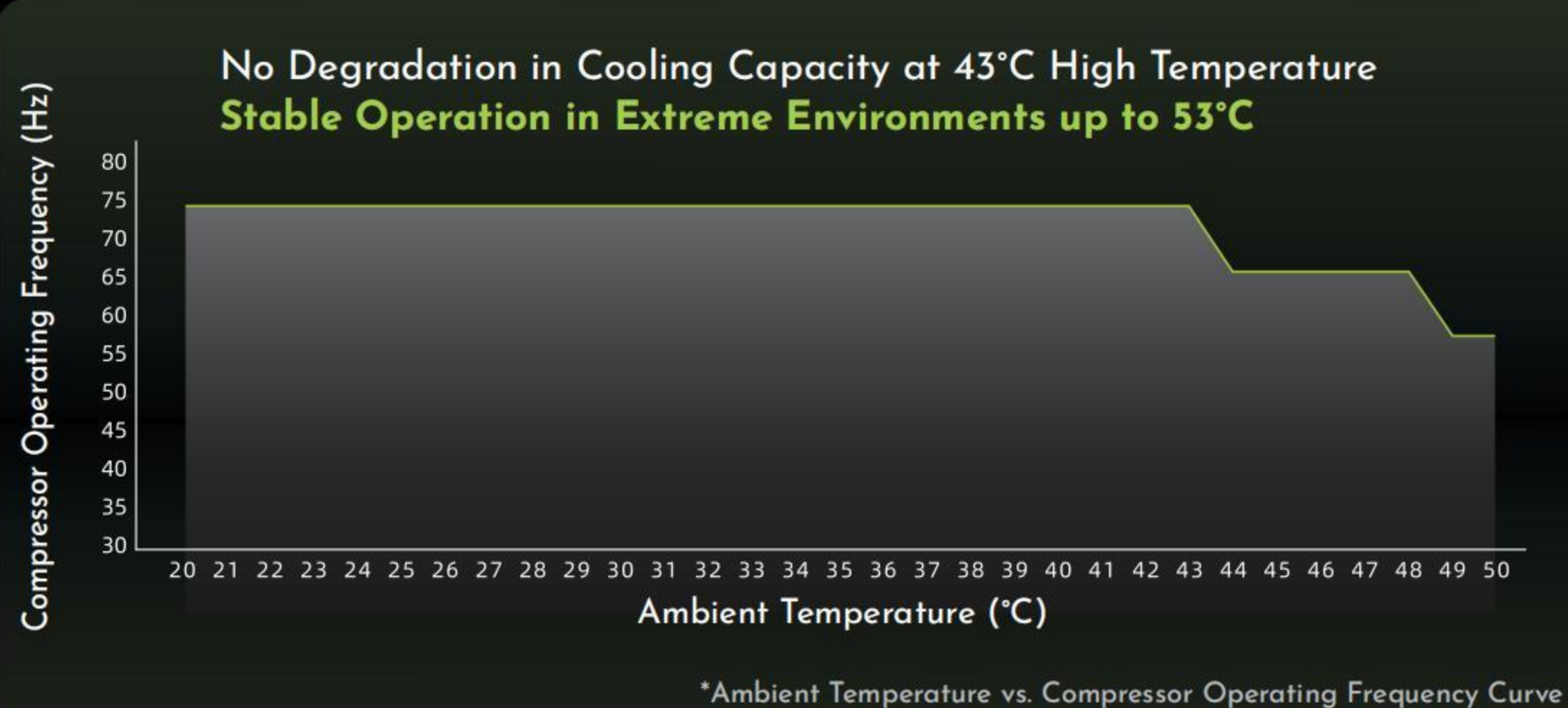
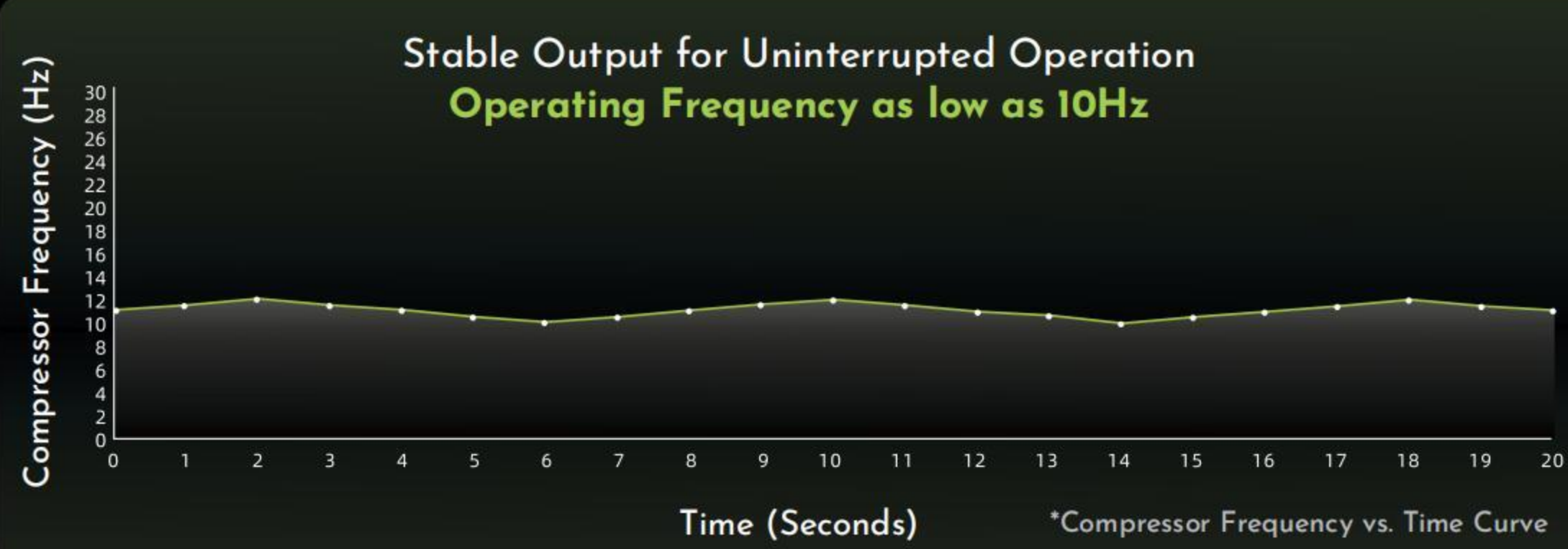
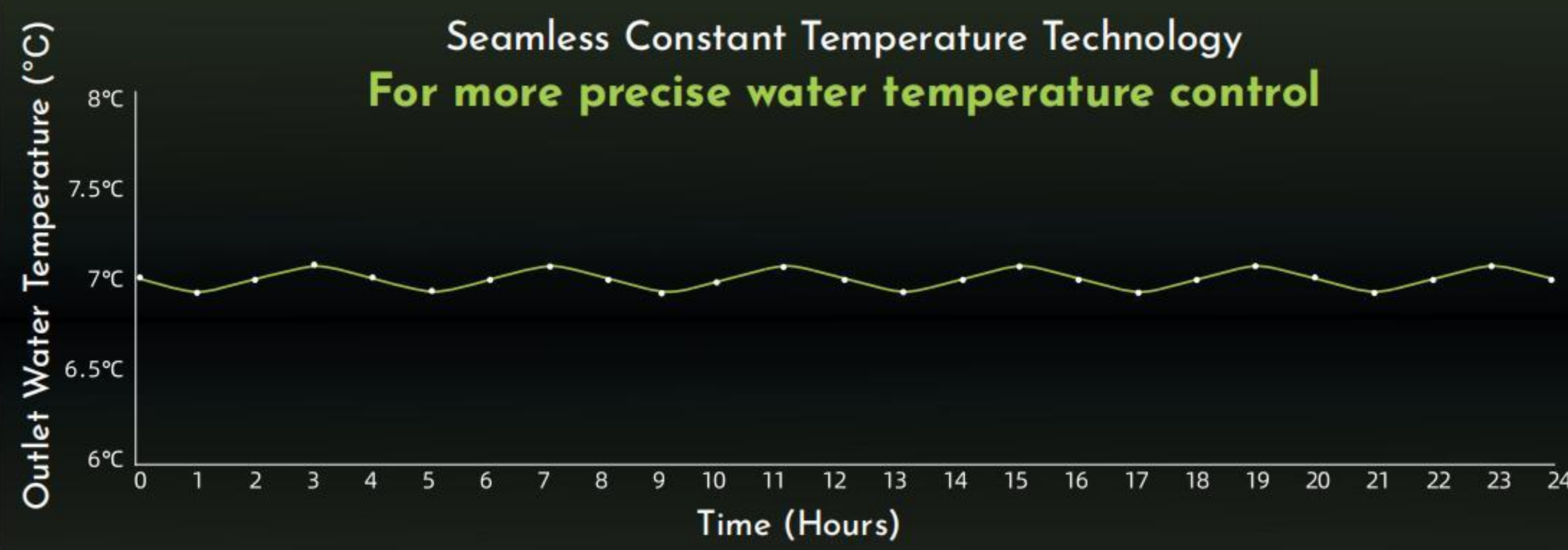
Specifications	Rated Water Flow (m³/h)	Unit Water Resistance (kPa)	External Head (m)	Pump Power (W)	Inlet/Outlet Pipe Size (Internal Thread)
S3.9	1.4	30	9.5	3-180W	DN25
S6.3	2.4	35	9.0	3-180W	DN25
S9.5	3.1	40	7.0	3-180W	DN32
S11.6	4.3	40	16.0	50-700W	DN32
S13.7	5.2	45	16.0	50-700W	DN32

Unit Operating Range



## Wuheng Custom Solutions

Innovative Variable Water Temperature Strategy  
Water Temperature Precision Locked at  $\pm 0.5^\circ\text{C}$   
Ultra-Stable Temperature & Humidity Control



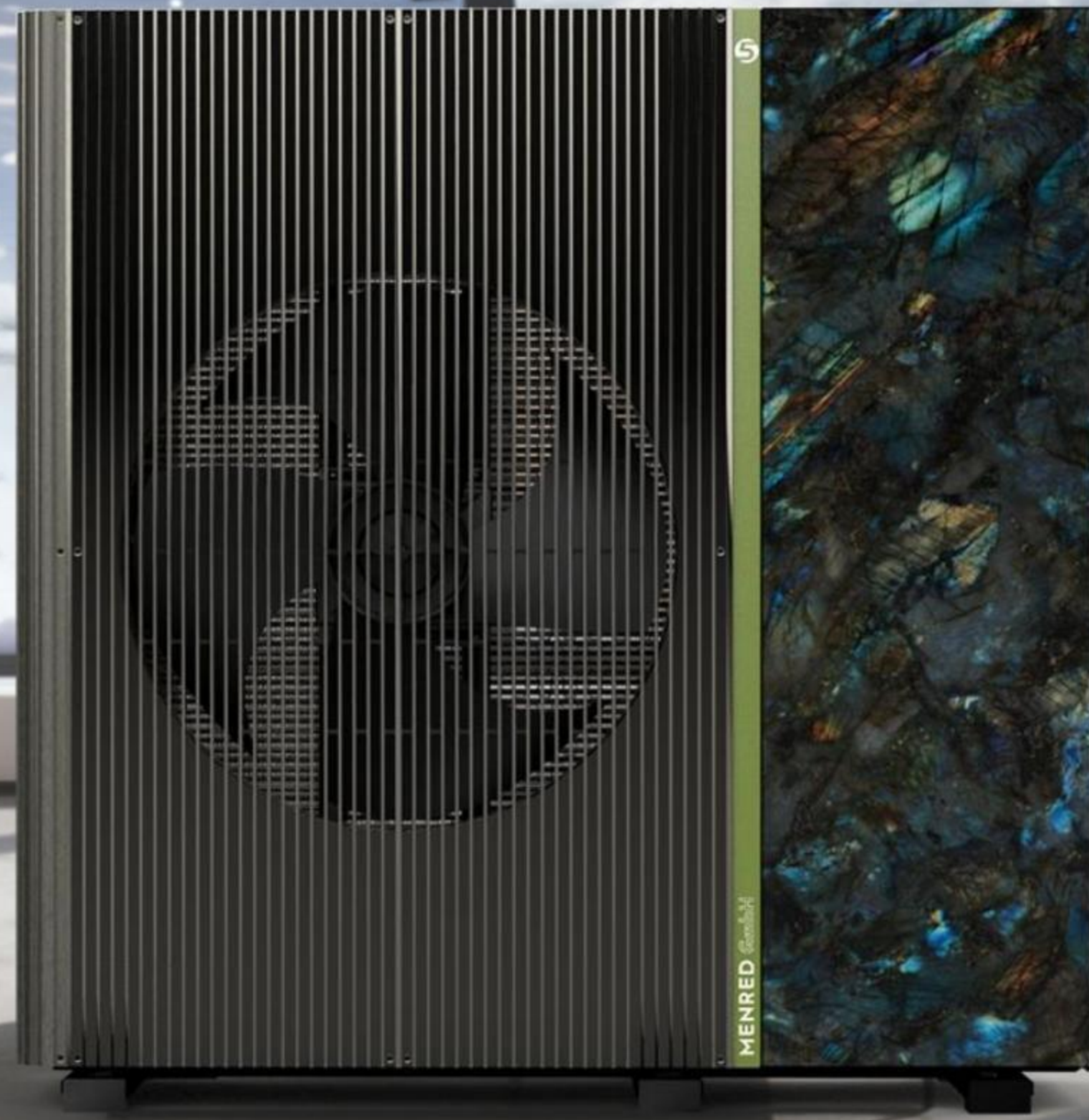
\*Data sourced from MENRED Laboratory, tested on MGC014. Actual performance is subject to on-site installation data.

# Stable Operation in Extreme Cold & Heat, with Dual EVI for Heating & Cooling

Equipped with reliable variable frequency drive control technology,  
ensuring quality and stable operation across a wide temperature range for year-round comfort.

**-35°C**

Low-Temperature Heating

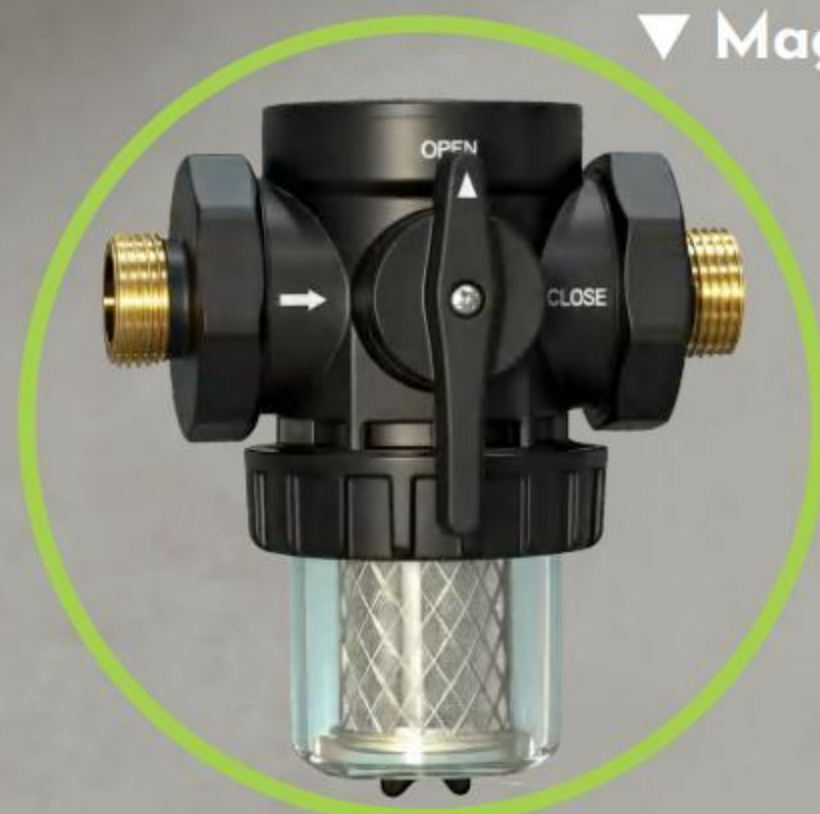


**53°C**

High-Temperature Cooling

## Standard Configuration

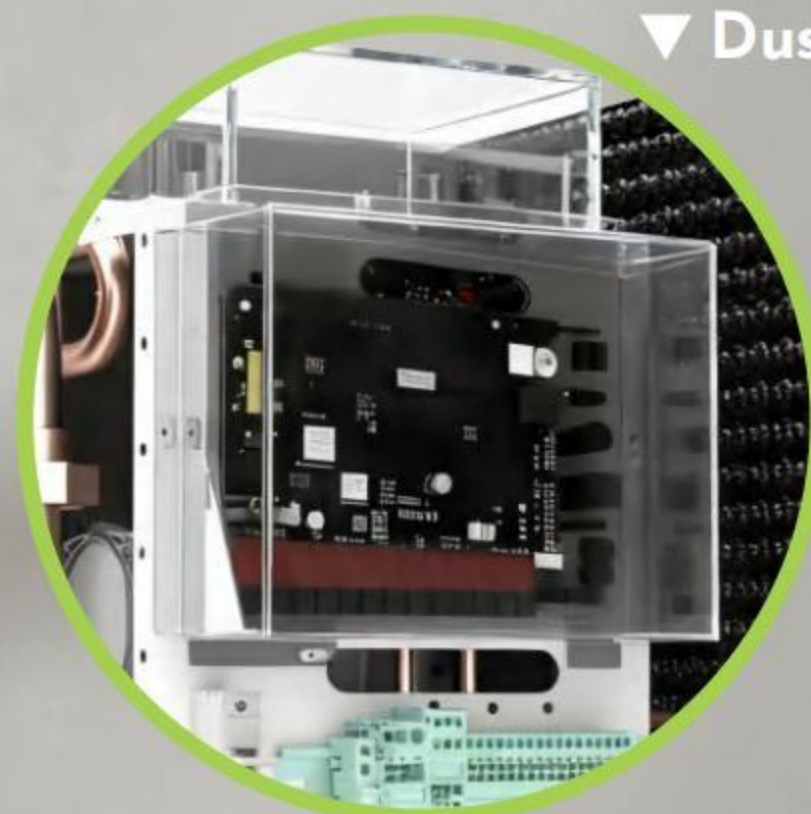
Zero-Pressure-Drop  
▼ Magnetic Filter



Automatic  
▼ Air Vent



Electric Control  
▼ Dust-Proof Design



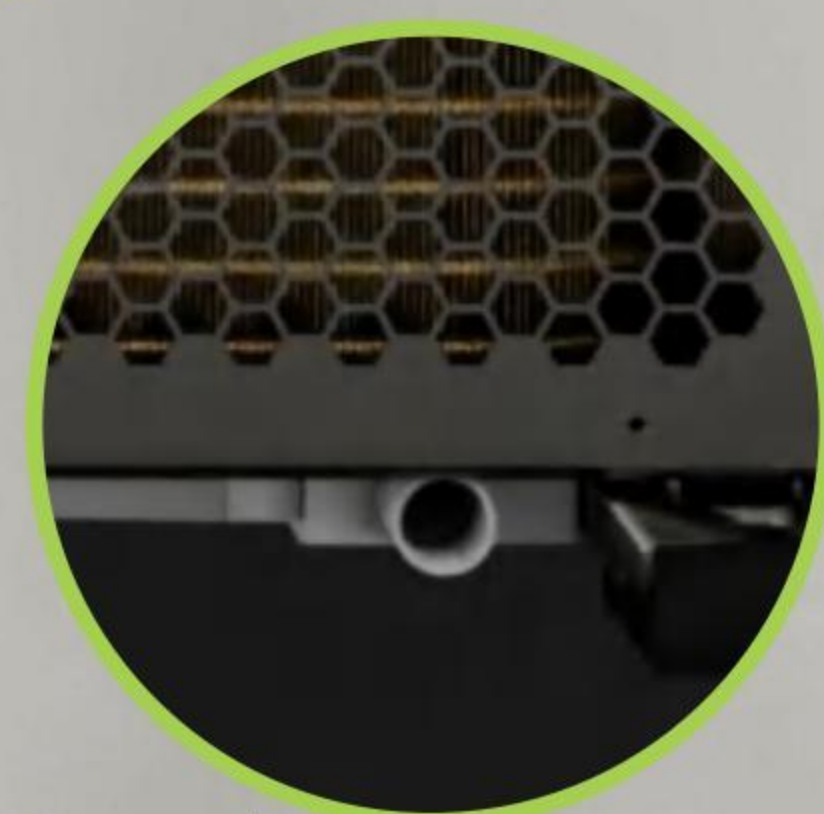
Expansion Tank ▲



Spirit Level ▲



Integrated Drainage  
System ▲





One Snap to Attach, Freely Reconfigure



## Falink Central Control Screen Mobile App Interface

Cloud Services: AI\IoT\OTA Remote Upgrade\Full-Lifecycle Cloud Services

AIOT: Zone-based, seasonal, and lifestyle scenario strategies, enabling dew point tracking for variable water temperature, enthalpy-difference outdoor bypass, constant-temperature dehumidification with fresh air, and automatic heating/cooling switching.



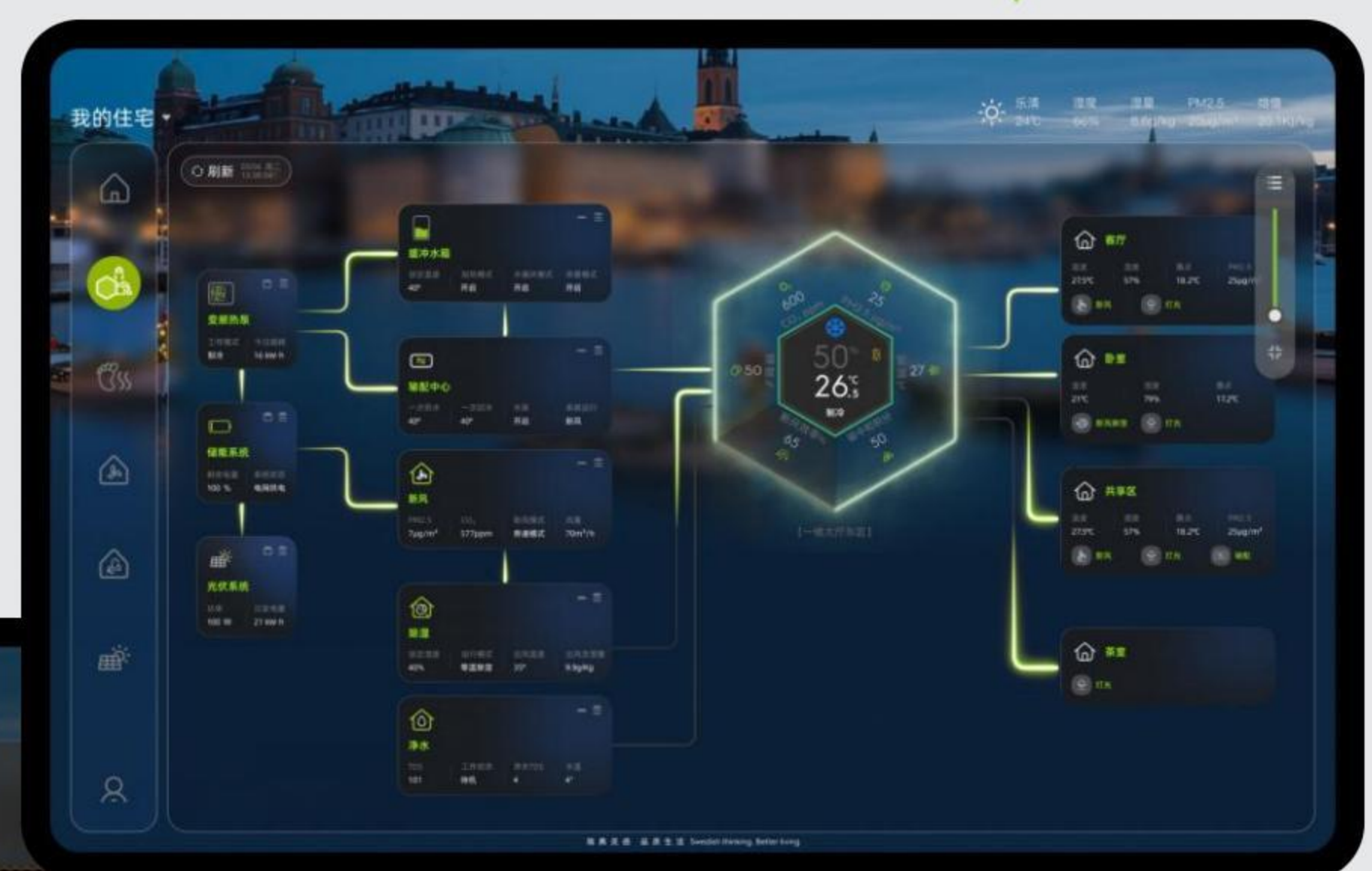
MG Home  
APP

## Green Hexagon

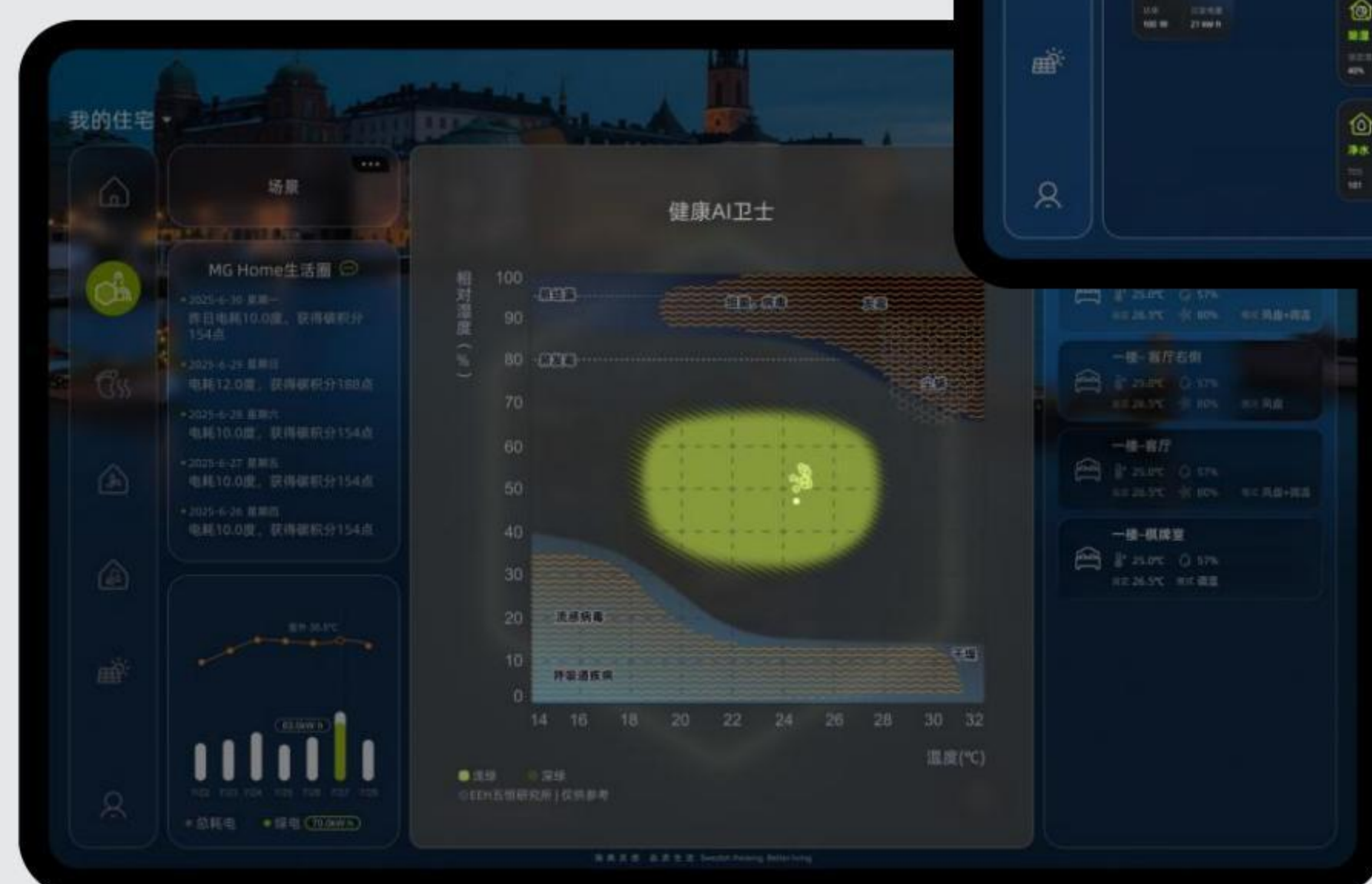
Tiered changes: Temperature, Humidity, CO<sub>2</sub>, PM2.5, Formaldehyde, Ventilation Efficiency, Carbon Neutrality Contribution, Filter Usage Days, etc.



System Configuration Map



Comfort AI Radar



Health AI Guardian

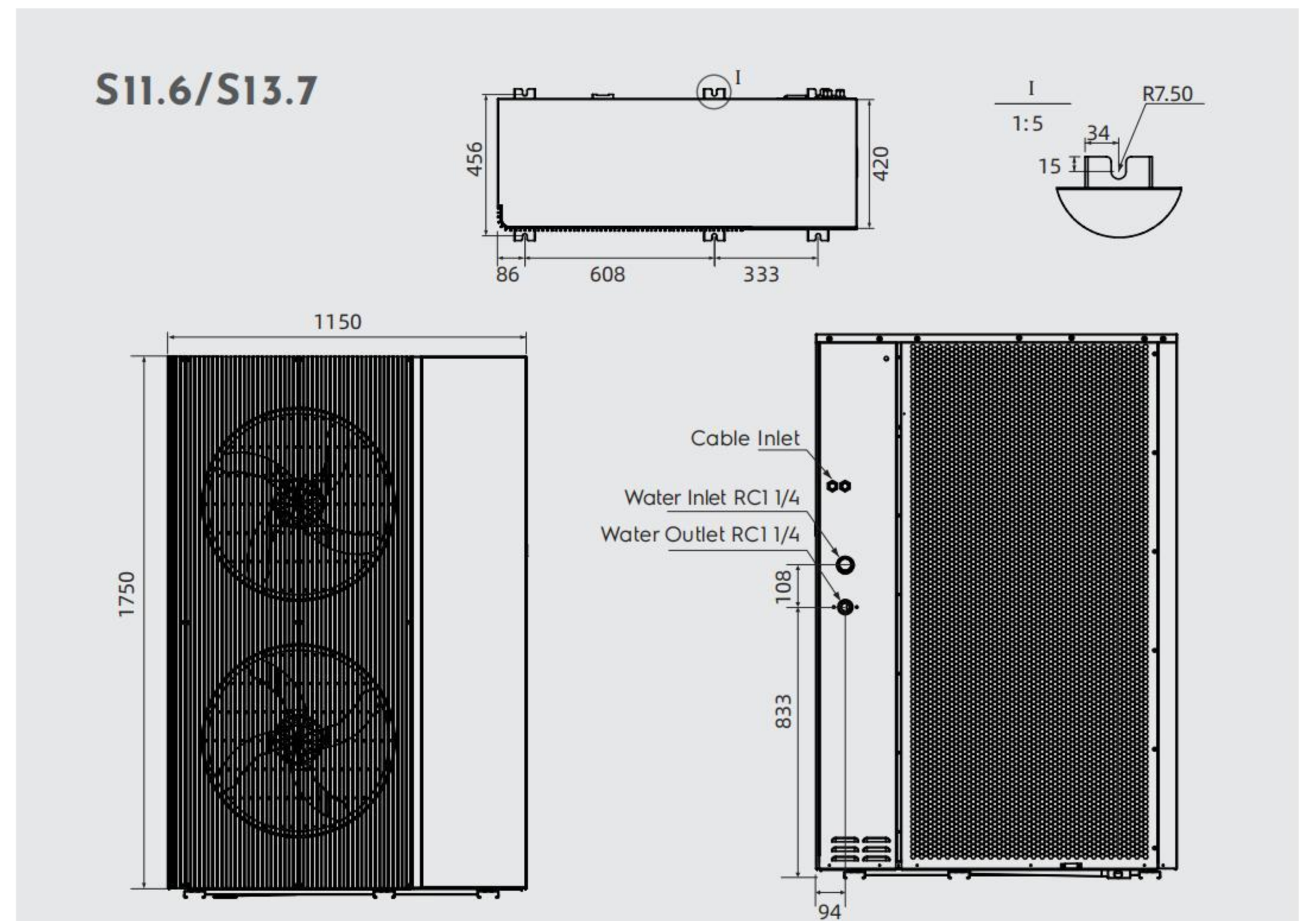
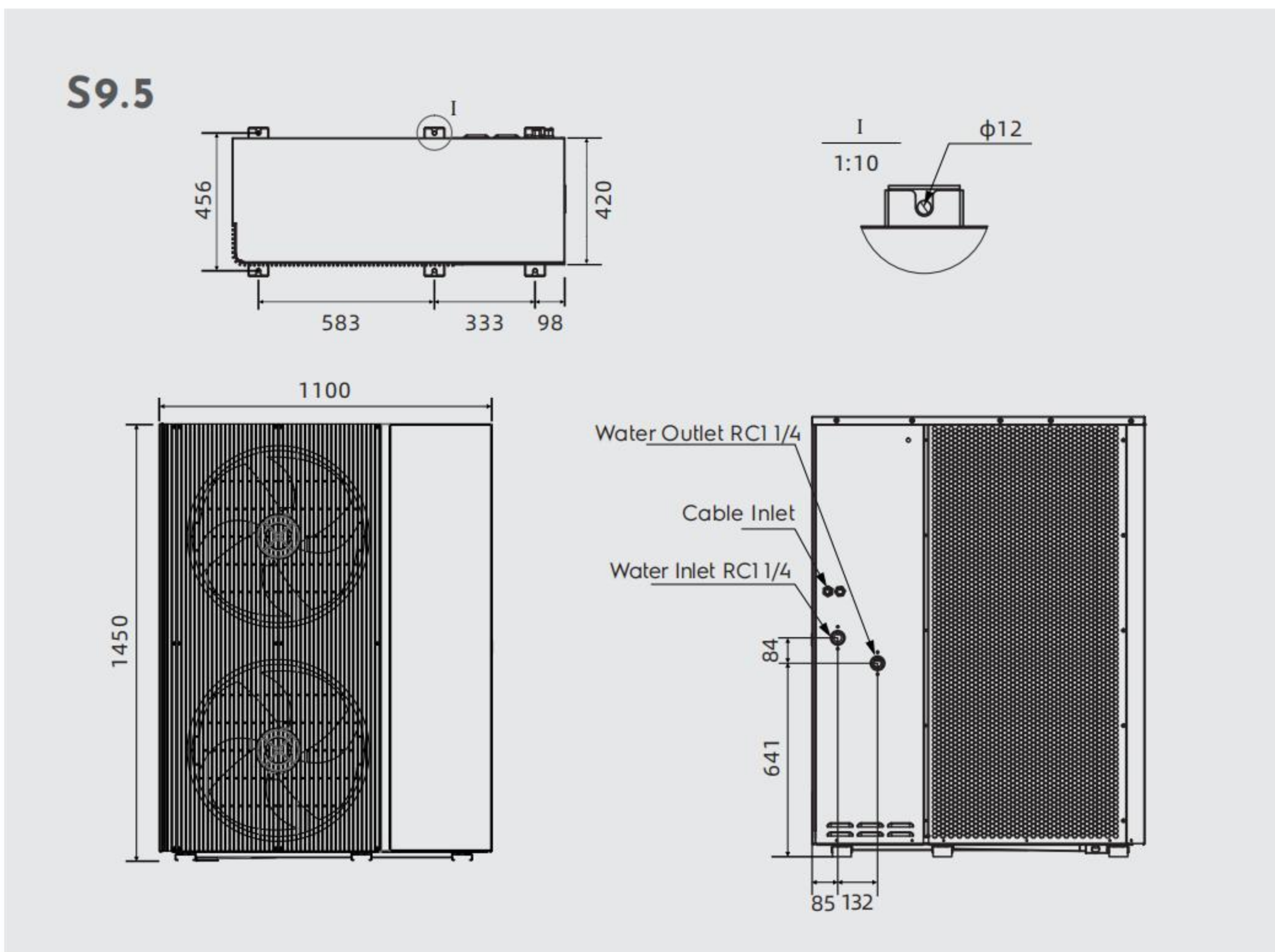
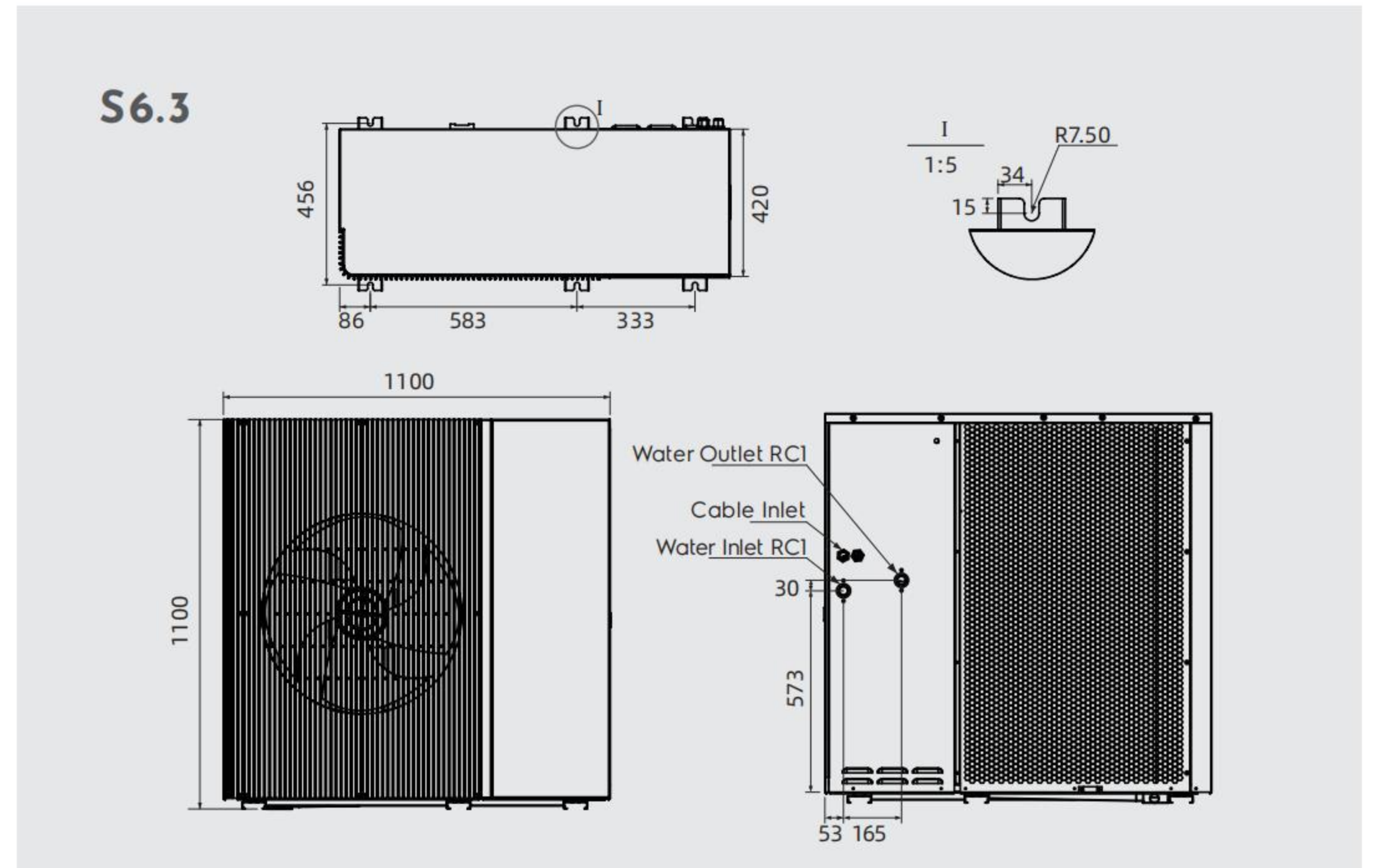
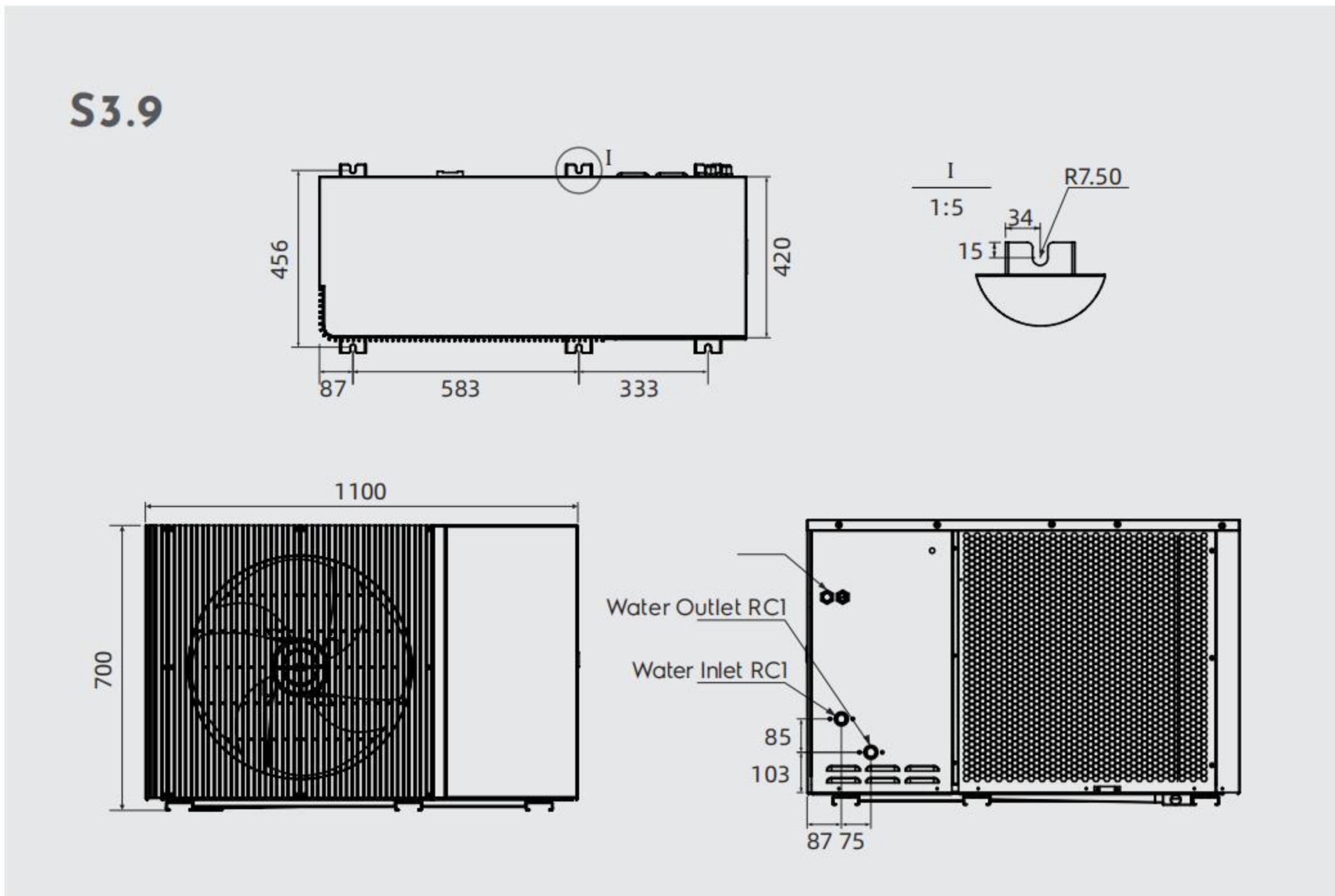


Unit Model	S3.9	S6.3	S9.5	S11.6	S13.7
Nominal Cooling Capacity	8 kW	14 kW	18 kW	25 kW	30 kW
Nominal Cooling Input Power	2.46 kW	4.34 kW	5.59 kW	8.04 kW	9.66 kW
Nominal Cooling COP <sub>c</sub>	3.25	3.22	3.22	3.11	3.11
Nominal Heating Capacity (7/45°C)	9 kW	15 kW	22 kW	27 kW	32 kW
Nominal Heating Input Power	2.50 kW	4.29 kW	6.11 kW	7.71 kW	9.14 kW
Nominal Heating COP	3.60	3.50	3.60	3.50	3.50
Nominal Heating Capacity (-20/41°C)	6.0 kW	10.0 kW	15.0 kW	18.0 kW	22.0 kW
Nominal Heating Input Power	2.40 kW	4.00 kW	5.88 kW	7.20 kW	8.80 kW
Nominal Heating COP <sub>h</sub>	2.50	2.50	2.55	2.50	2.50
Low-Temperature Heating Capacity (-20/41°C)	5 kW	9 kW	13 kW	15.5 kW	19 kW
Low-Temperature Heating Input Power	2.38 kW	4.25 kW	6.13 kW	7.38 kW	8.96 kW
Low-Temperature Heating COP <sub>dh</sub>	2.10	2.12	2.12	2.10	2.12
Cooling Seasonal Performance Factor (CSPF)	5.00	5.00	5.00	5.00	5.00
Maximum Input Power	4.80 kW	6.80 kW	7.90 kW	12.4 kW	15.40 kW
Maximum Input Current	22.0 A	30.9 A	36.0 A	18.8 A	23.3A
Power Supply	220V~/50Hz	220V~/50Hz	220V~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz
Cooling Ambient Operating Range	-5~53°C	-5~53°C	-5~53°C	-5~53°C	-5~53°C
Heating Ambient Operating Range	-25~42°C	-35~42°C	-35~42°C	-35~42°C	-35~42°C
Water Pump	Rated Power	3-180 W	3-180 W	3-180 W	50-700 W
	Rated Current	0.05-1.5 A	0.05-1.5 A	0.05-1.5 A	0.1-2 A
Noise Level (Cooling / Heating)	49/48 dB(A)	49/48 dB(A)	52/50 dB(A)	53/52 dB(A)	54/53 dB(A)
Water Flow	1.4 m <sup>3</sup> /h	2.4 m <sup>3</sup> /h	3.1 m <sup>3</sup> /h	4.3 m <sup>3</sup> /h	5.2 m <sup>3</sup> /h
Unit Water Resistance	30 Kpa	35 Kpa	40 Kpa	40 Kpa	45 Kpa
Unit External Head	9.5 m	9.0 m	7.0 m	16.0 m	16.0 m
Unit Inlet/Outlet Pipe Connection Size	DN25	DN25	DN32	DN32	DN32
Refrigerant	R32	R32	R32	R32	R32
Dimensions (L×W×H)	1100x420x700 mm	1100x420x1100mm	1100x420x1450mm	1150x420x1750 mm	1150x420x1750 mm
Unit Total Weight	107 kg	158 kg	196 kg	221 kg	251 kg

**Remarks:**

- a. Working conditions of nominal cooling capacity: water outlet temperature 7°C, water flow Amount 0.172[m<sup>3</sup>/(h·kW)], outdoor ambient temperature 35°C.
- b. Working conditions of rated heating capacity: water outlet temperature 45°C, water flow rate 0.172[m<sup>3</sup>/(h·kW)], the dry bulb temperature is 7°C, and the wet bulb temperature is 6°C at outdoor environment.
- c. Working conditions of nominal heating capacity: water outlet temperature 41°C, water Flow rate 0.172[m<sup>3</sup>/(h·kW)], dry ball temperature is -12°C, and the wet bulb temperature is -13.5°C at outdoor environment.
- d. Working conditions of low-temperature heating capacity: water outlet temperature 41°C, water flow rate 0.172[m<sup>3</sup>/(h·kW)], dry ball temperature is -20°C at outdoor environment.
- e. The specifications in the table may change due to alterations in the product design of the manufacturer. We apologize for any inconvenience caused and will not provide further notice.
- f. Compliance Standards: GB/T 25127.2-2020 & GB/T 18430.2-2016 (Current Effective Version). Energy Efficiency Grade Compliance Standard: GB 19577 (Current Effective Version).

**Dimensions :mm**



# MENRED Group, Since 1995

Industrial cluster for all category manufacturing of air conditioning, heating, ventilation, water purification and solar storage

Partner of the national key laboratory of "future Architecture"

4 national high-tech enterprises

Area  
**108000** m<sup>2</sup>

Employees  
**910+**

Offline stores  
**2700+**

Thermostat production capacity  
**150** million pcs/annual



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