

# -MEGALINE INVER-Chill Series

AI Full Inverter Pool Heat Pump For Middle East Region



Industry-First AI Solution



Industry-First Centralized Control Available



Industry-First IOT Smart Management





**Industry-First Fluorine-Cooling Driver Board**

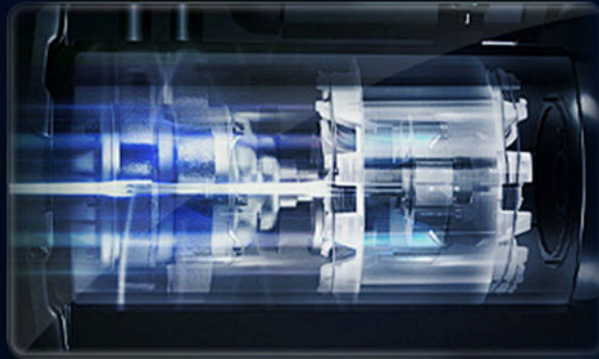


**Industry-First Potting Control Board**



**Working Under Extreme Environment**

- A solidate & fixed inverter logic.
- Running at max frequency low COP running.



**30%+** ENERGY SAVING

REGULAR FULL INVERTER

**Industry-First**

AI-CoreTech Pool Heating Solution





## AI FULL INVERTER



TUV Certified



Full Inverter



CoreTech



### TRAINED ON AN EXPERIMENTAL OCEAN

· Trained by more than 300,000 heat pumps running.



### GLOBALLY VALIDATED

· 60-country field tests, localized AI tuning.

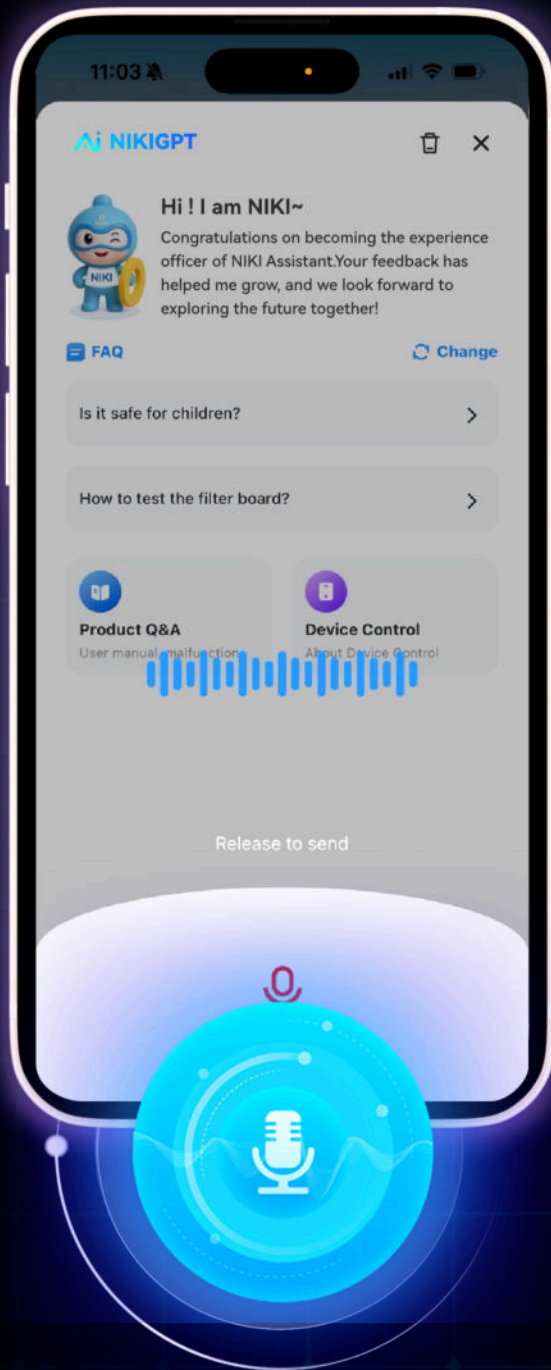


### CONTEXT-ADAPTIVE INVERTER LOGIC

· Dynamically adjust running logic by different environment and users habit.



# Industry-First AI Smart Assistant



Hi~ i am NIKI. What can I do for you?

I'm hosting a pool party this friday night.  
Any recommended settings?

Device Control.

I'm getting an E03 error.

Please set target temperature to 30°C.



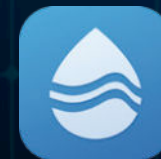
**Device Control**

About Device Control



**Product Q&A**

User manual, Malfunction

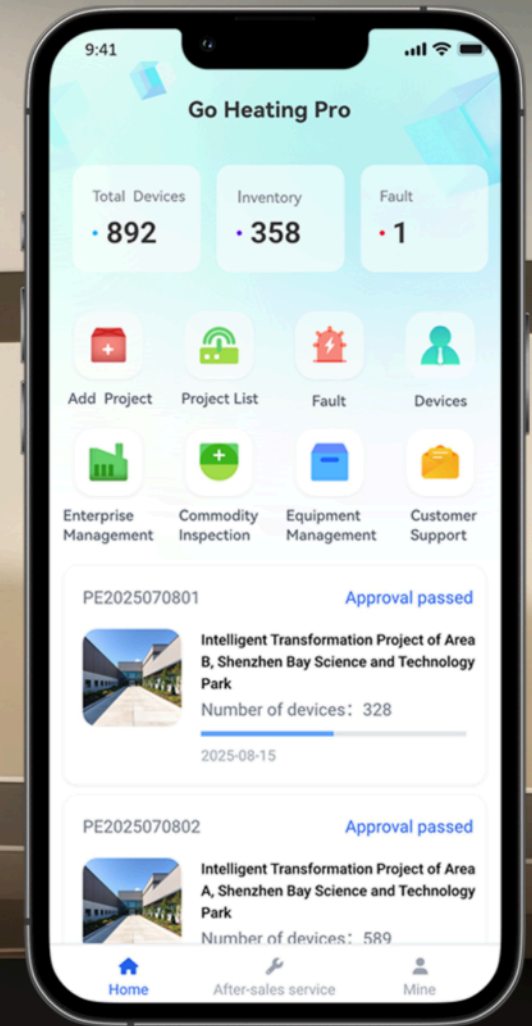


Aqua Temp



# Building an -Driven Service Ecosystem

PHNIX IOT Platform



Go Heating Pro



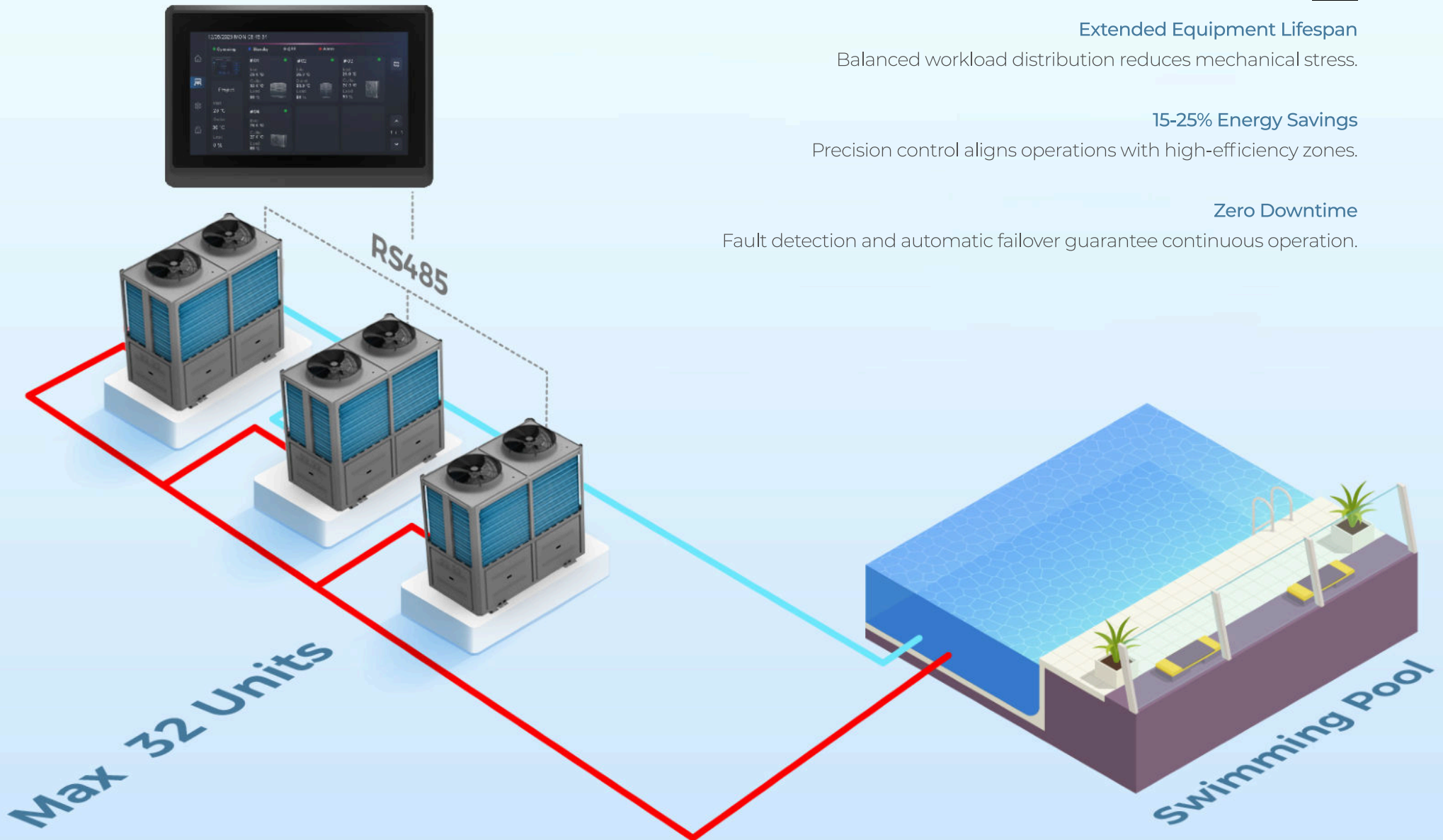
# Industry-First Energy PAD AI Heat Pump Centralized Controller

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# Industry-First Energy PAD Centralized Control

Elevate performance, cut costs, and future-proof your system with adaptive intelligence



## Extended Equipment Lifespan

Balanced workload distribution reduces mechanical stress.

## 15-25% Energy Savings

Precision control aligns operations with high-efficiency zones.

## Zero Downtime

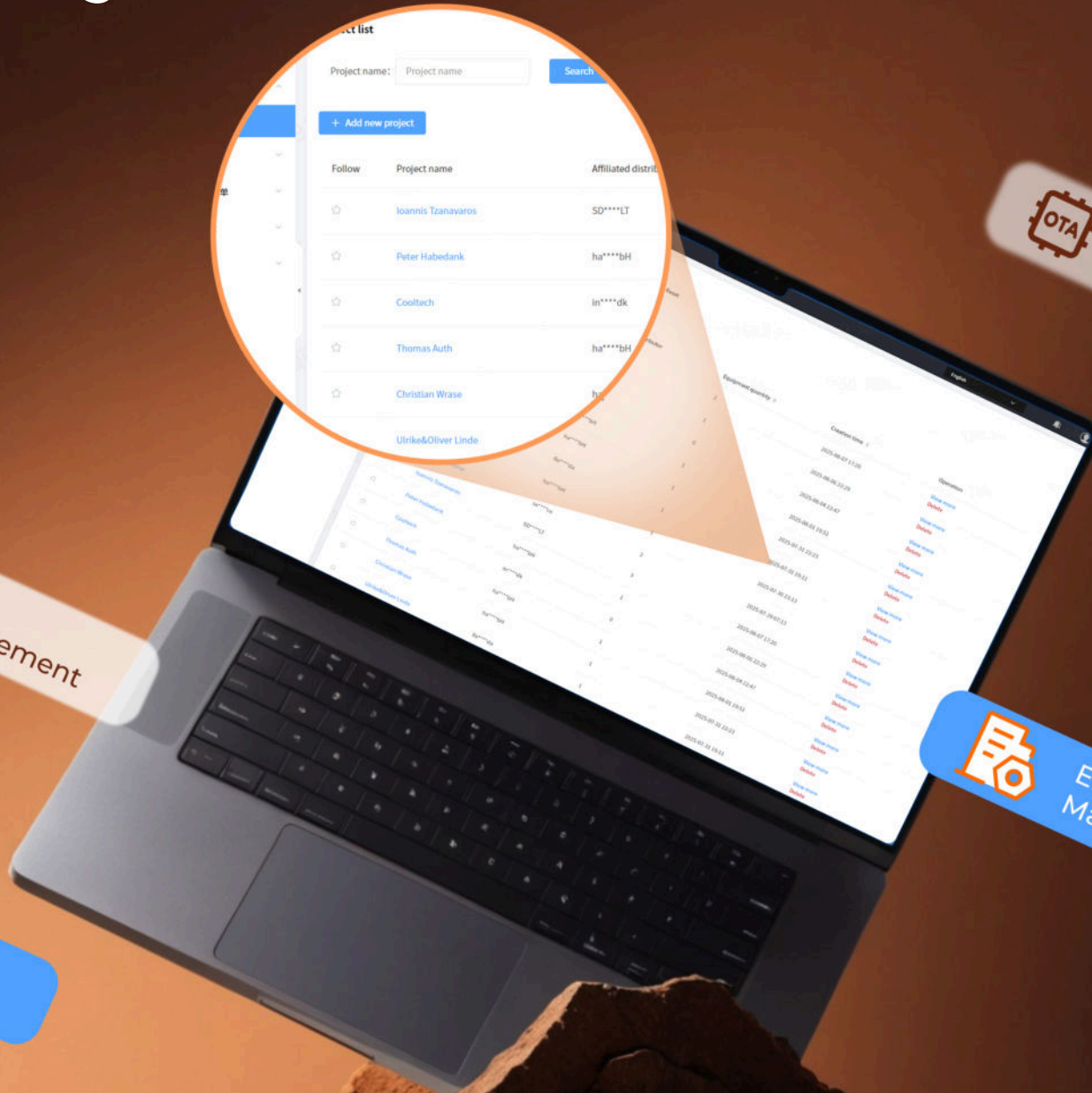
Fault detection and automatic failover guarantee continuous operation.

# Remote Intelligence Service Beyond Boundaries

Enjoy seamless connectivity via DTU, 4G or Wi-Fi module, enabling remote service and management through PHNIX IOT platform. Easily monitor and adjust water temperature anytime, anywhere-right from your smartphone or tablet.



# IOT Smart Management



OTA Management



Log Management



Project Management



Enterprise Management

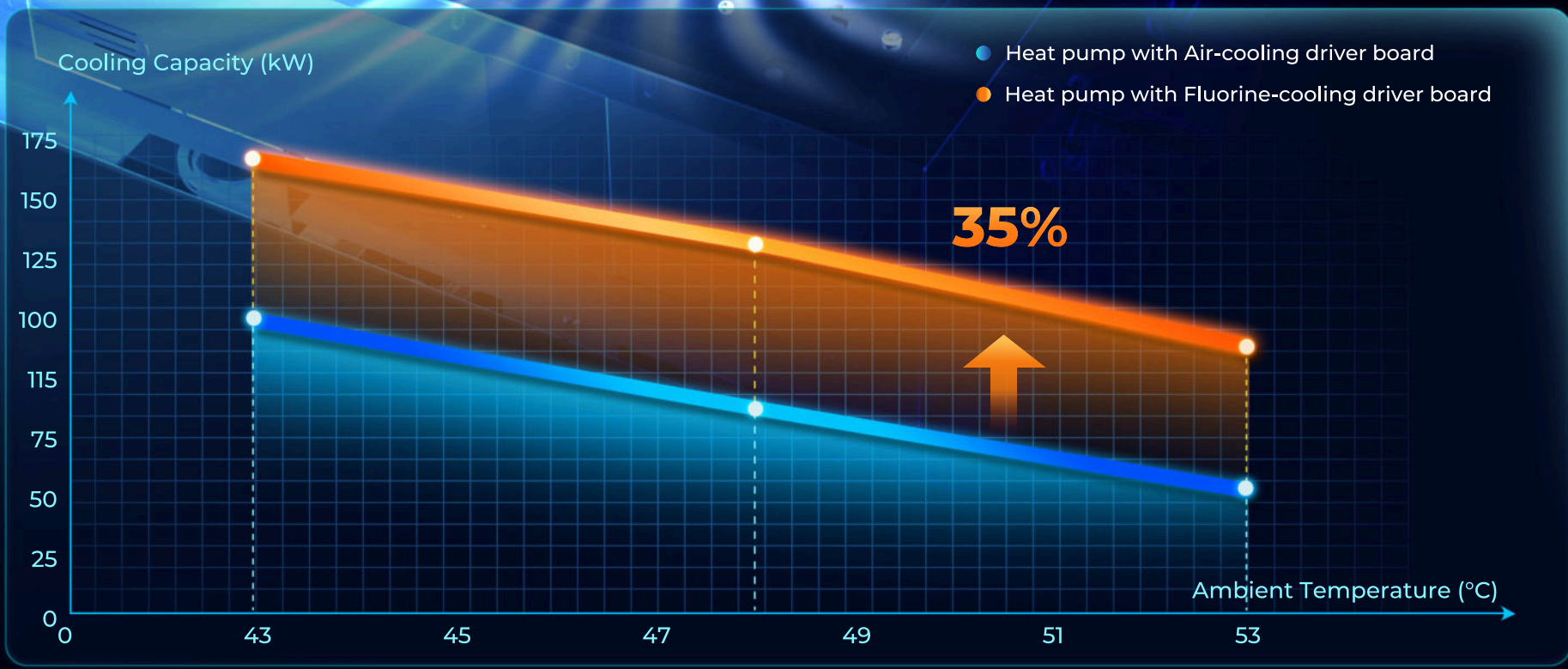
# Industry-First Fluorine Cooling Driver Board

The central electric control box with PHNIX self-developed driver board inside adopts fluorine-cooling technology, helping heat dissipation of the driver board, to ensure an efficient operation and make sure the unit can be operated under extreme high ambient temperature 53°C.

**53°C**  
High Temperature



Increased by  
**35%**



# Industry-First Potting Solution for Control Board

With industry-first glue-filling technology, the PCB achieves a 90% reduction in failure rates, ensuring long-term reliability, this design delivers 5x protection

- Moisture resistance ·
- Dust protection ·
- Shock resistance ·
- Pets-proof ·
- Short circuits and damage protection ·



# Full Inverter Pool Heat Pump



Wifi  
Connectivity

**COP**  
**16**

COP  
Up to 16



Electronic  
Expansion Valve



Inverter  
Compressor



Titanium Heat  
Exchanger



Inverter  
Fan



High/Low Pressure  
Protection Available



Low as 46dB(A)  
Under Silence Mode



Environmental  
Gas Available



Environmental  
Gas Available



Defrosting

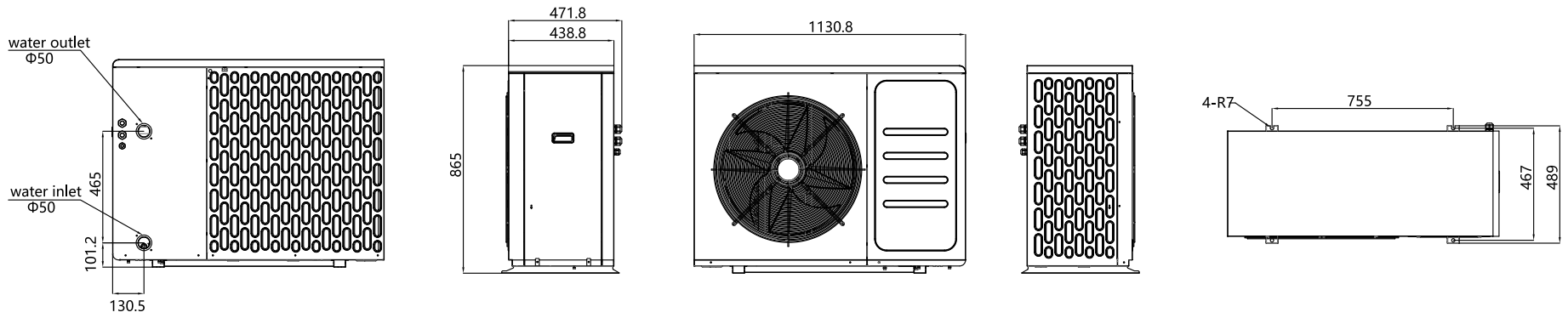


Phase Monitor

## Drawing Dimension---R32 Full Inverter Models

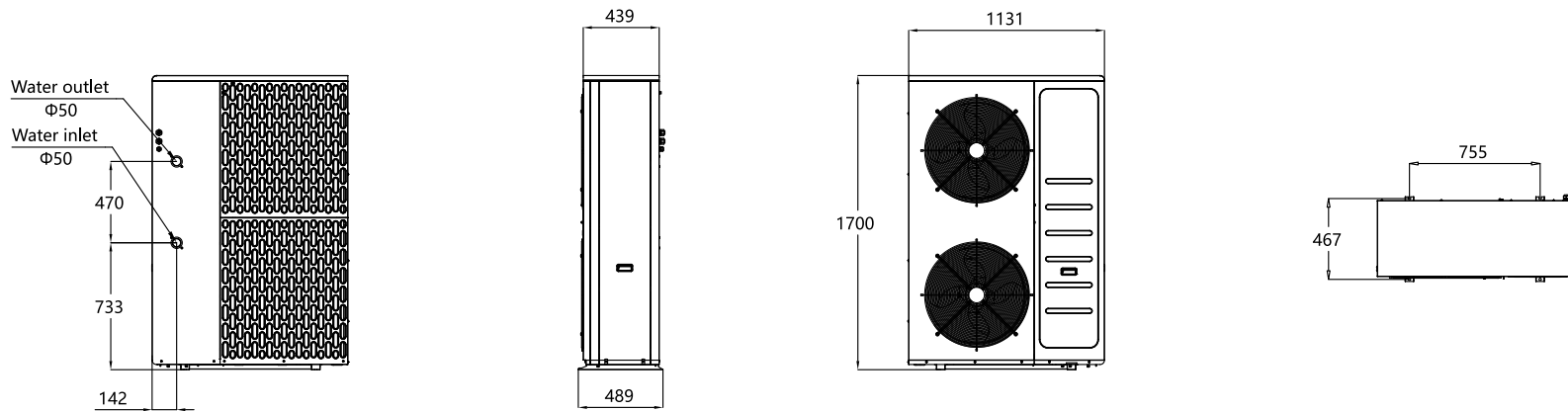
INVER-24 / INVER-30 / INVER-35 / INVER-40

unit: mm



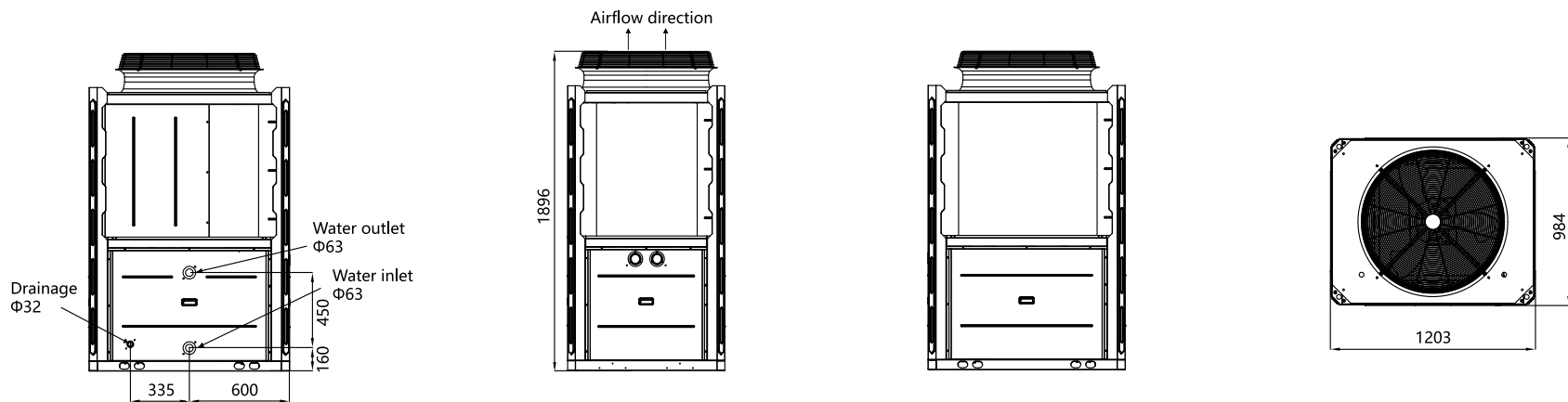
INVER-50 / INVER-60

unit: mm



INVER-80

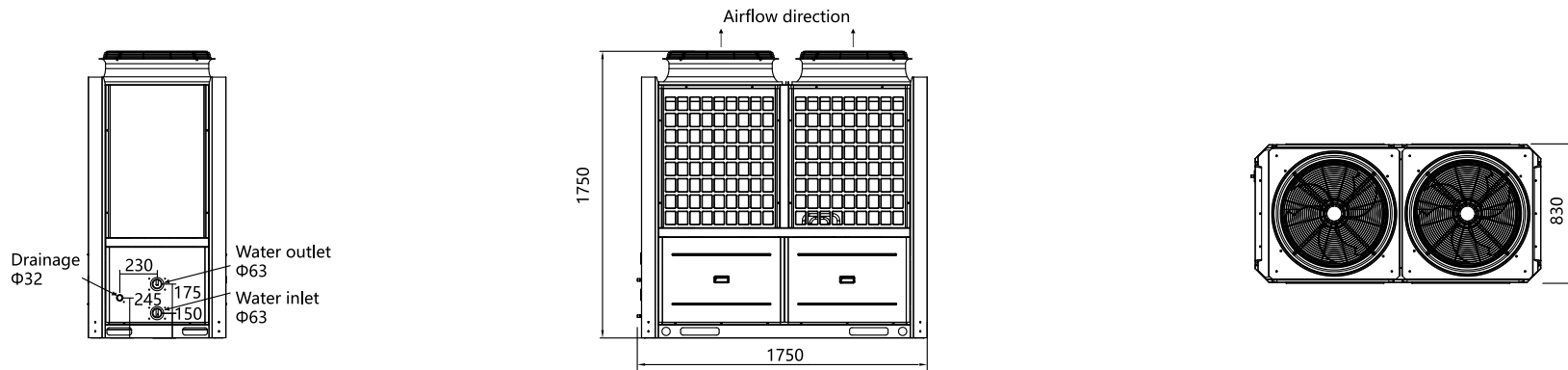
unit: mm



## Drawing Dimension---R410A Full Inverter Models

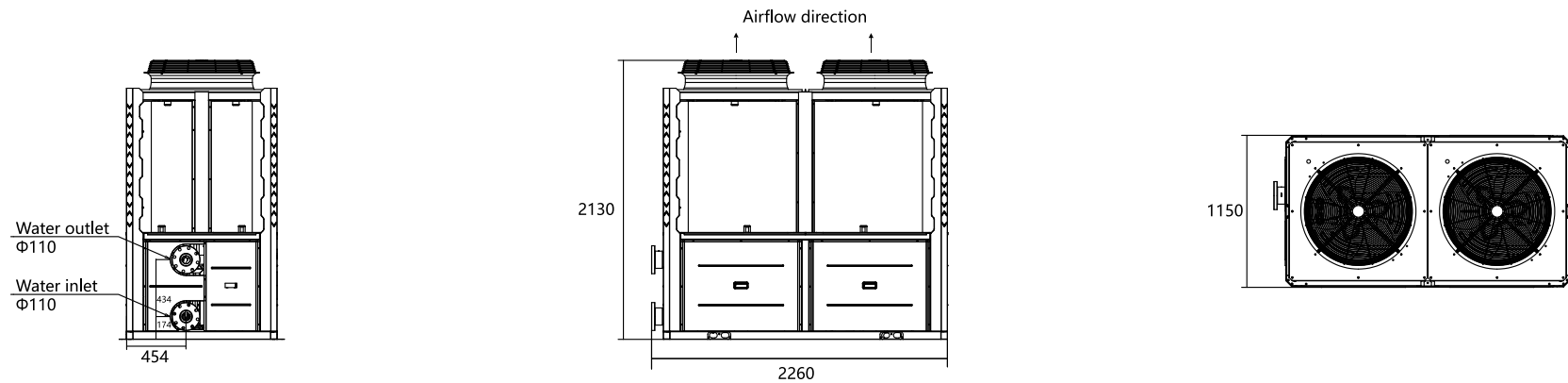
INVER-105

unit: mm



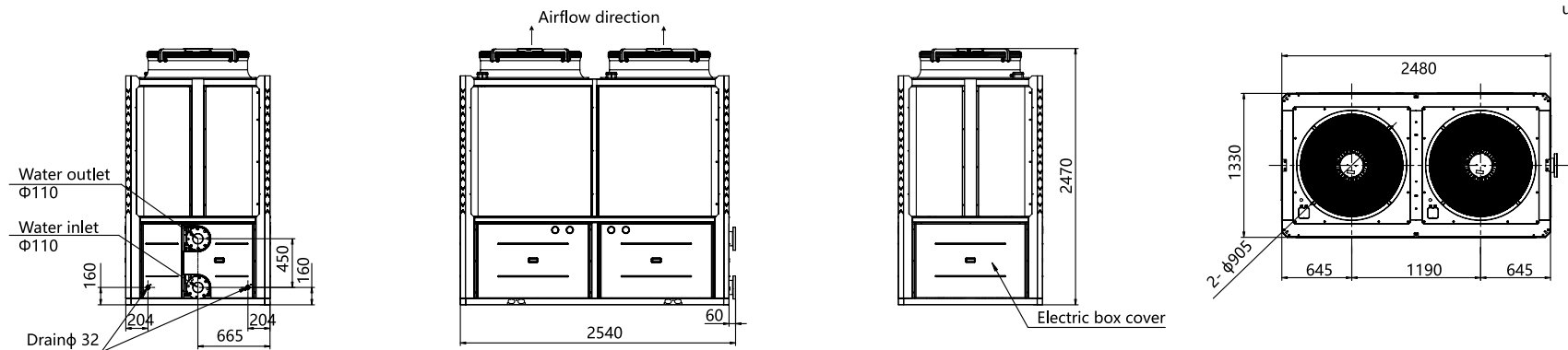
INVER-150 / INVER-175 / INVER-200 / INVER-250

unit: mm



INVER-300 / INVER-350

unit: mm









## **Fluidra Middle East**

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