

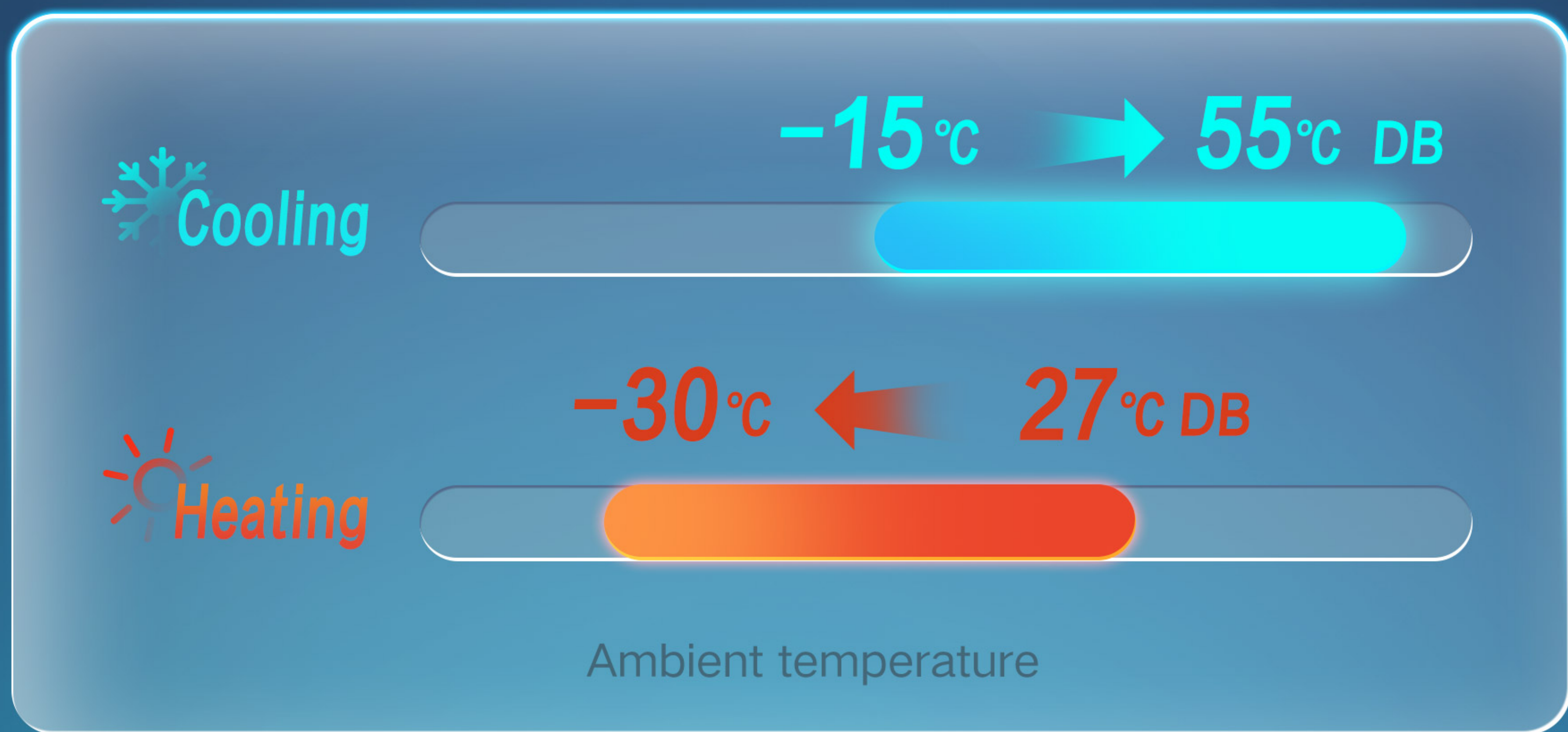


GMV FLEX



ULTRA PERFORMANCE PRO

All Climate Operation



Note: Cooling at -15°C to 5°C is optional. Please contact our engineers for details.

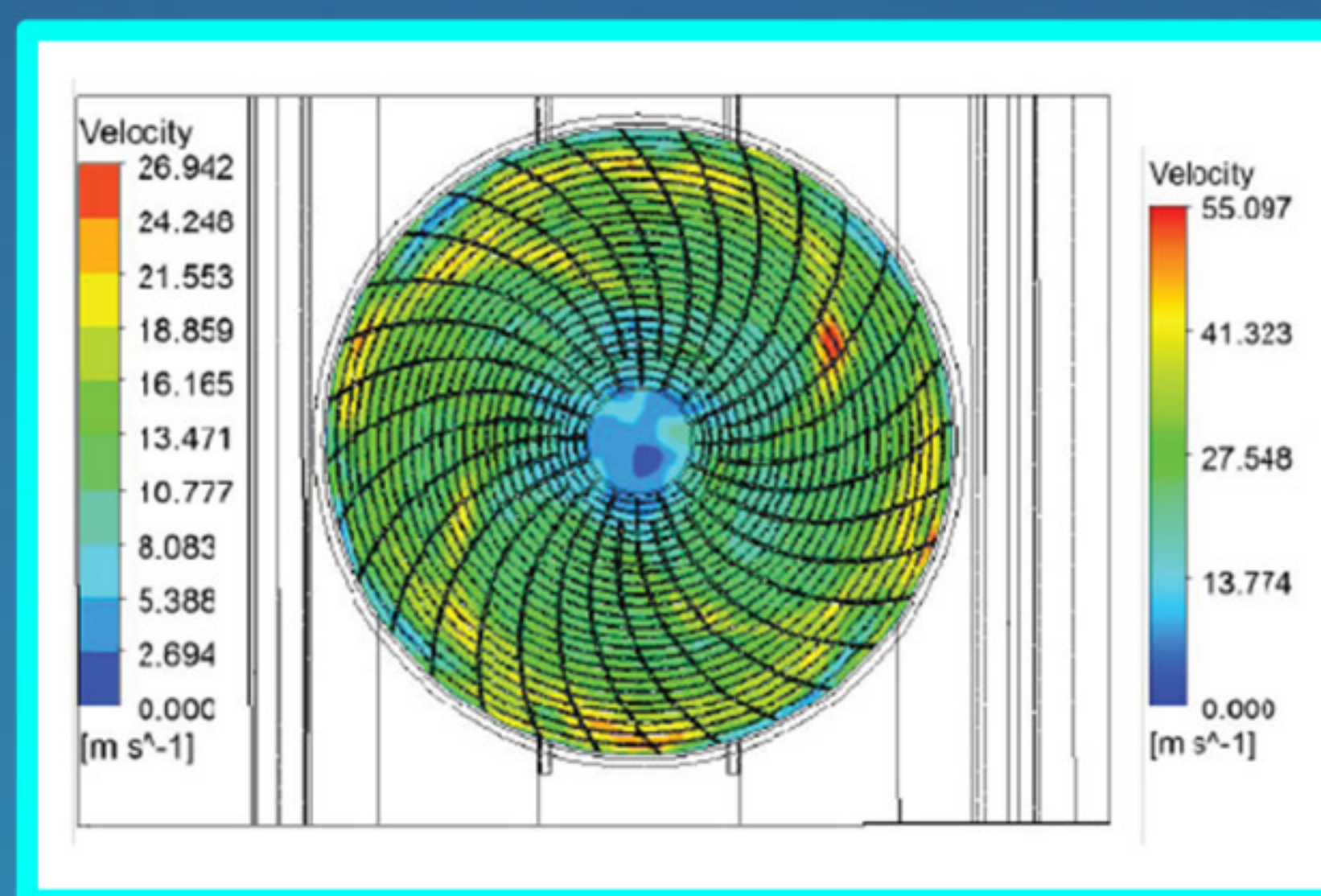
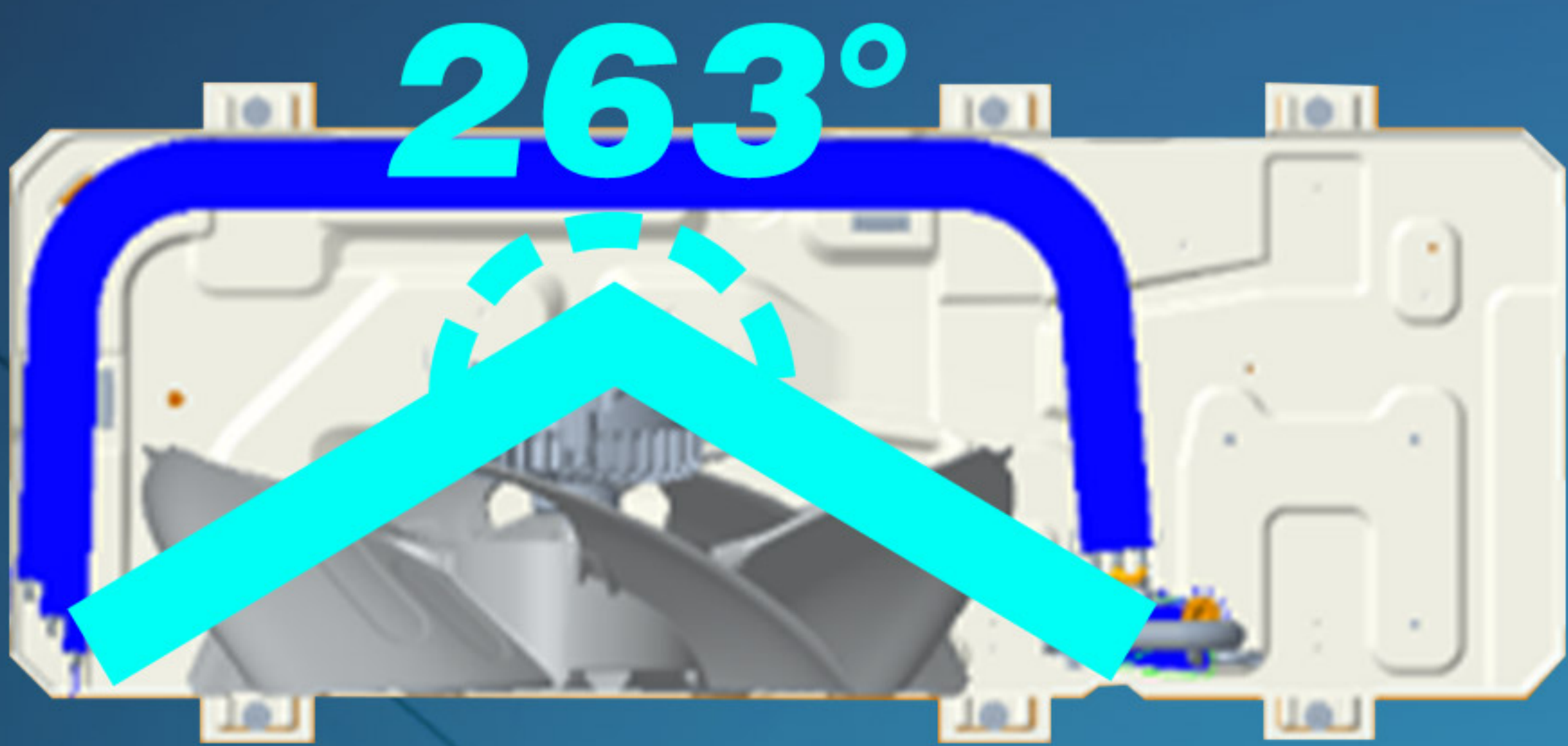
Wide Voltage Operation

Stable operation is maintained within a wide voltage range of **320V to 460V**, ensuring reliability in fluctuating power conditions.

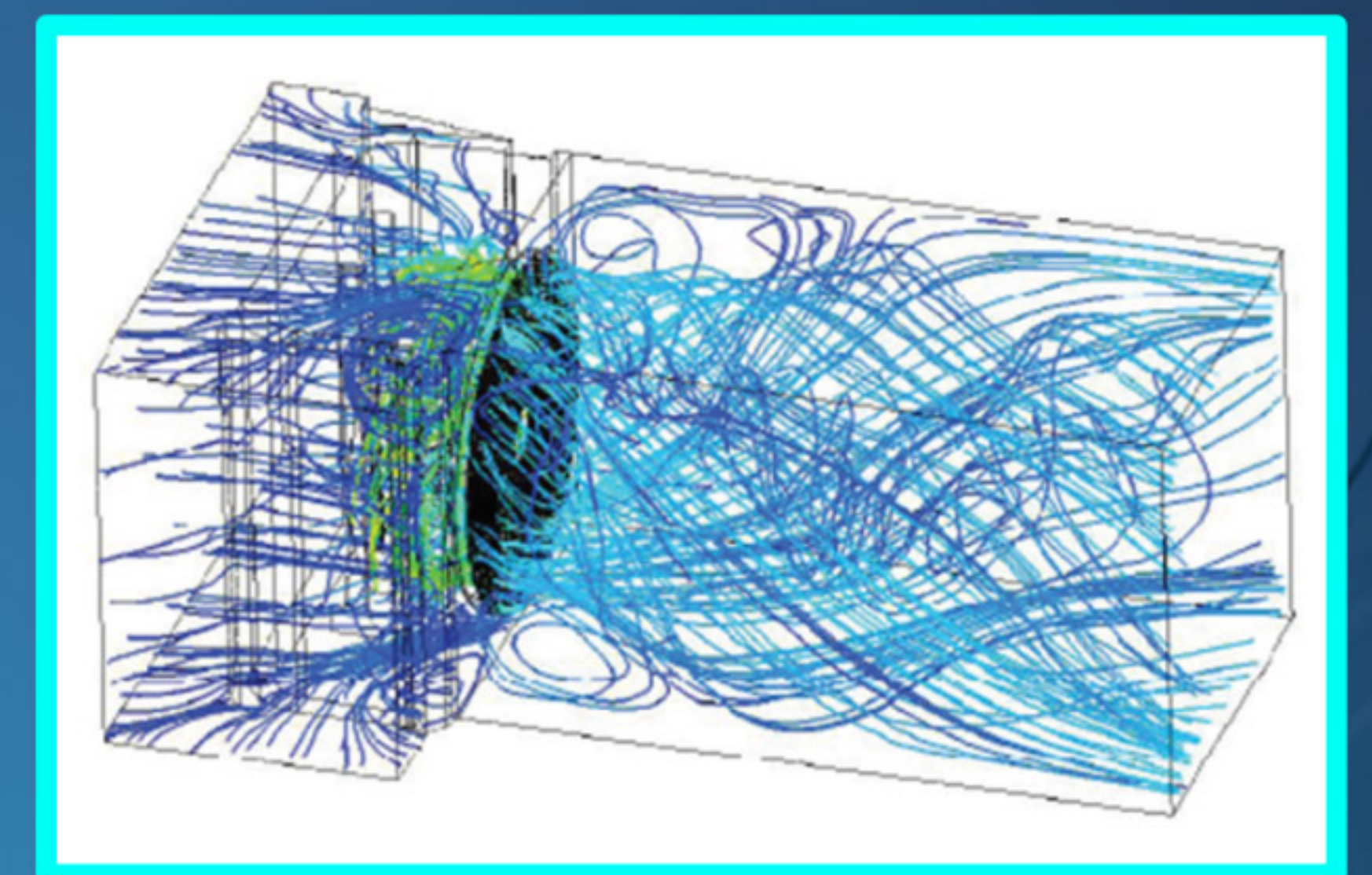


Ultra-wide angle air return design

The outdoor unit features an industry-leading 263° wide-angle air return design, delivering a maximum airflow capacity of $19500\text{m}^3/\text{h}$. This ultra-high airflow volume significantly enhances heat exchange efficiency for superior performance.



Air outlet temp. contour map



Wind field streamline plot

Powerful low ambient startup

With a high-efficiency EVI compressor, the system leverages pressure and temperature differentials during low-temperature startup to rapidly shift refrigerant, enhancing circulation and

increasing initial heating capacity by **15%**



FLEXIBLE INSTALLATION

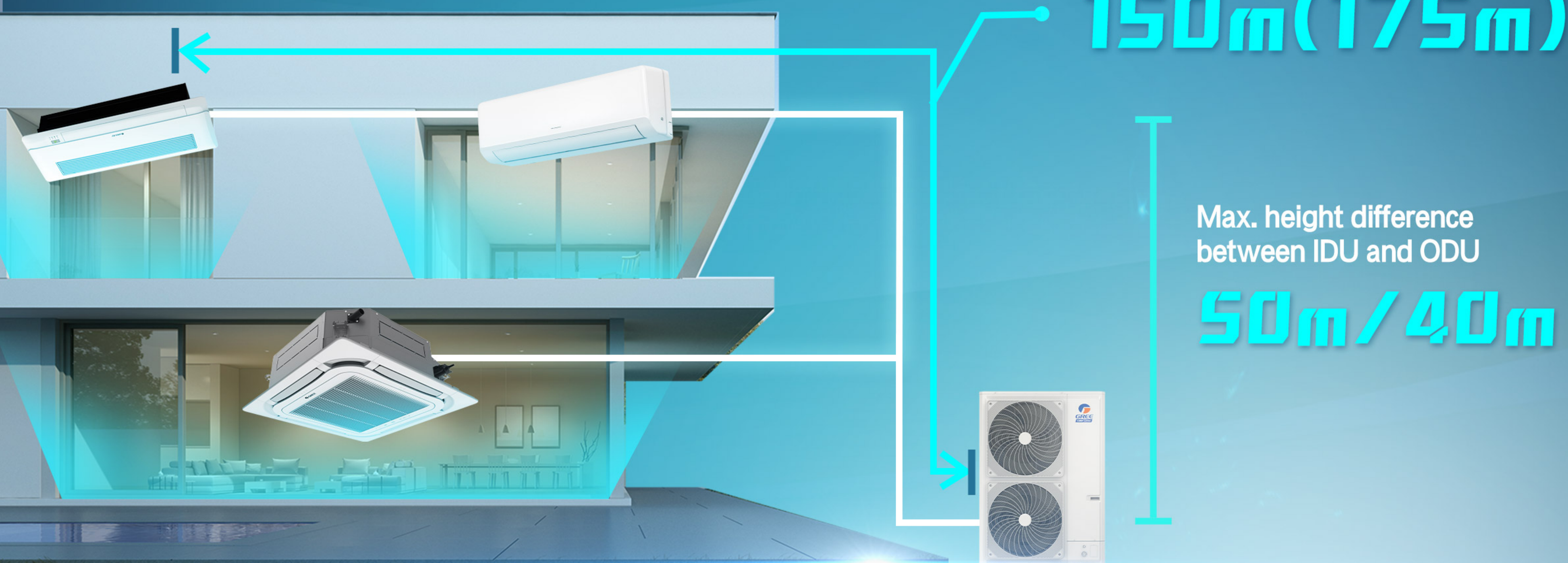
Extensive Piping

Total piping length of 560m

Height difference between IDUs and ODUs is up to 50m
(up to 40m when ODUs is located at lower position)

Max. total connection pipe length: **560m**

Max. actual piping length(equivalent):
150m(175m)



High ESP Design

ESP up to 80Pa* allows concealed installation, ideal for tight spaces or locations where airflow direction needs to be optimized.

ESP
80Pa



*Factory default ESP is set to 40Pa, customizable to 80Pa upon request.

Compact Design

- Depth: 460mm; footprint: **0.58 m²**
- Easy transportation: compatible with elevator transport.
- Multiple piping directions: enables flexible installation.



Modular Design

Basic Module 14~22HP

Up to 4 modules can be combined into a system with a maximum capacity of 88HP.



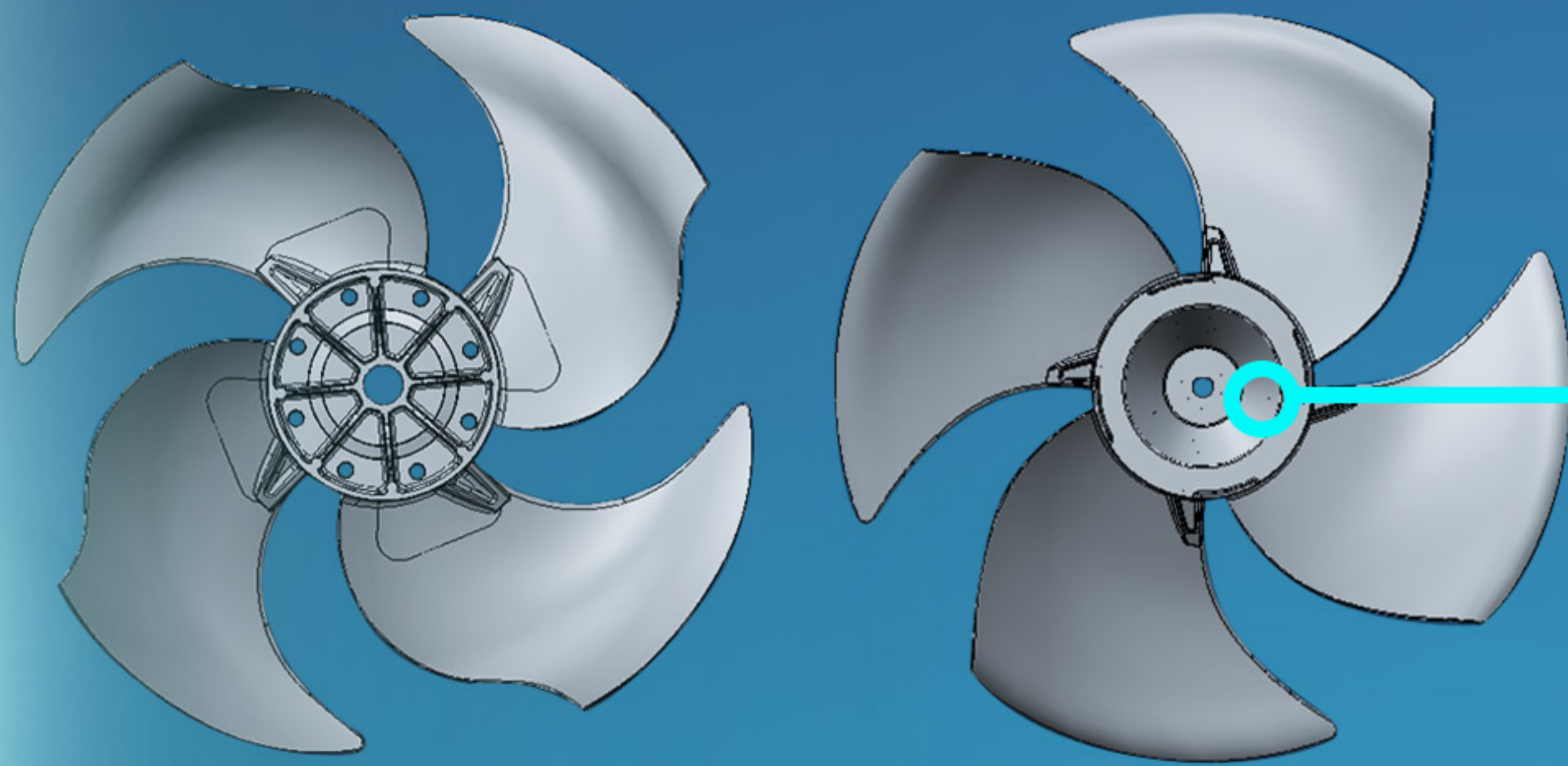
14~22HP



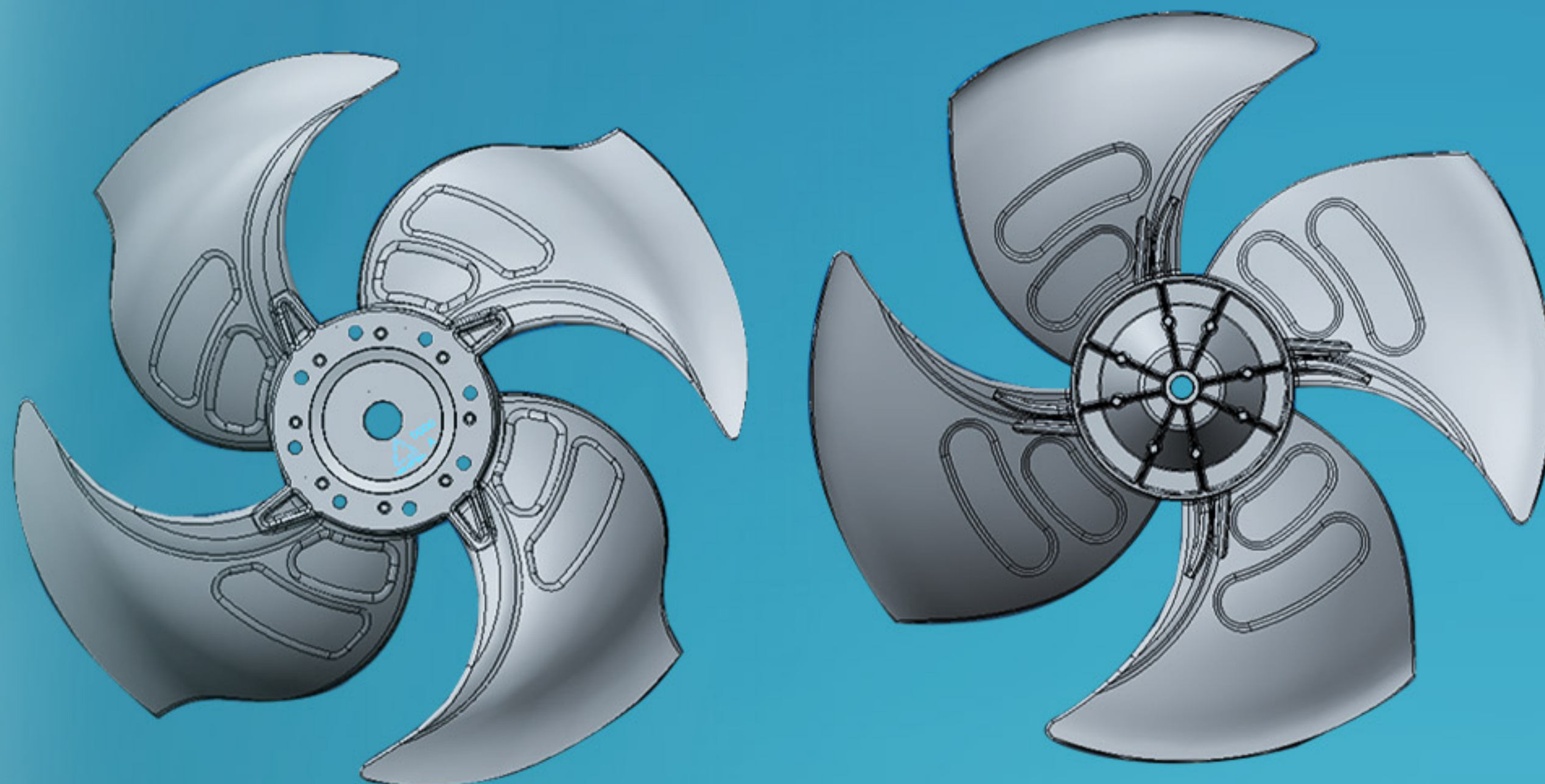
28~88HP

HIGH RELIABILITY

Optimized Fan Design

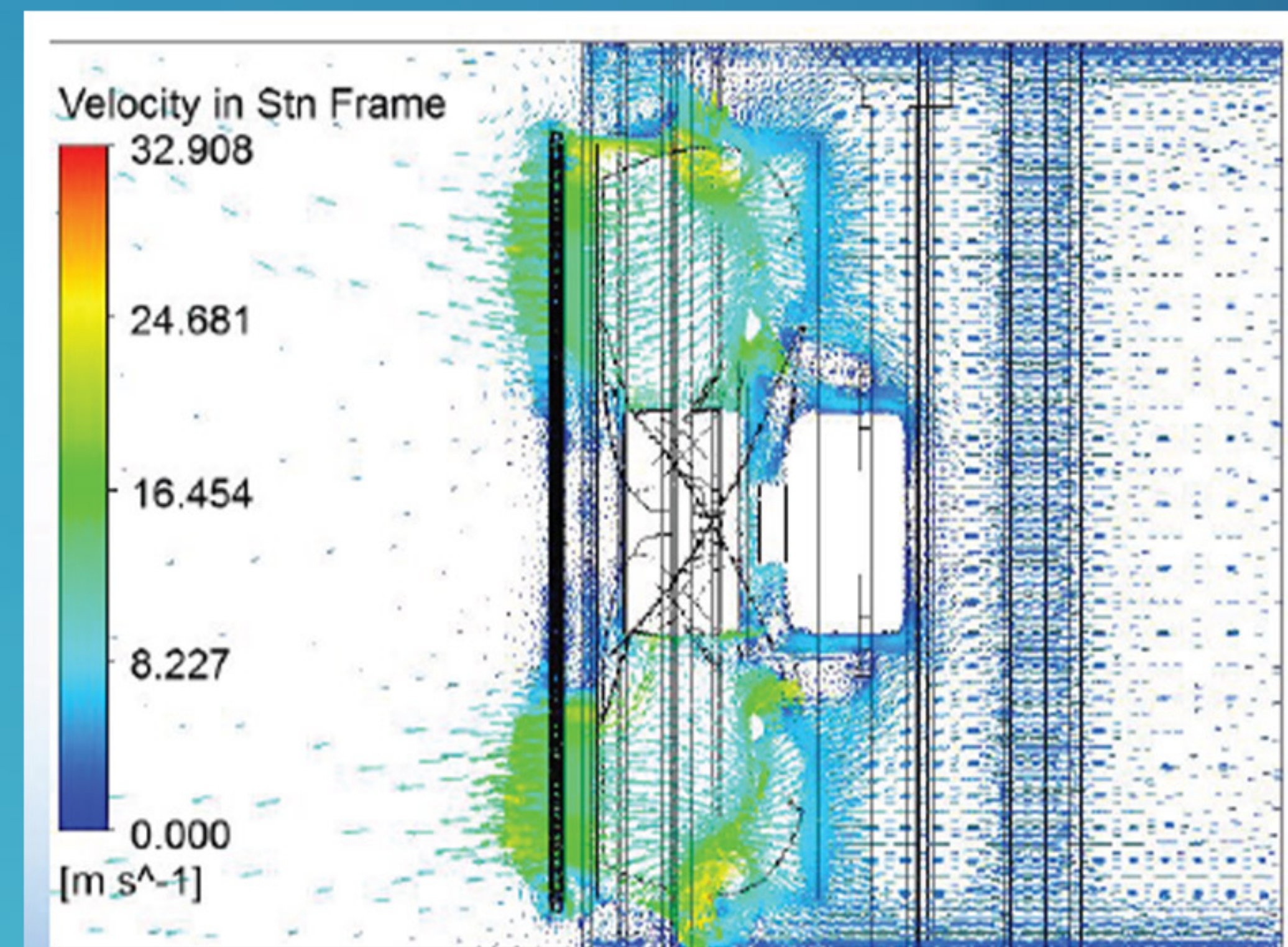


Snow-resistant hub: Prevents accumulation during winter.



Conventional

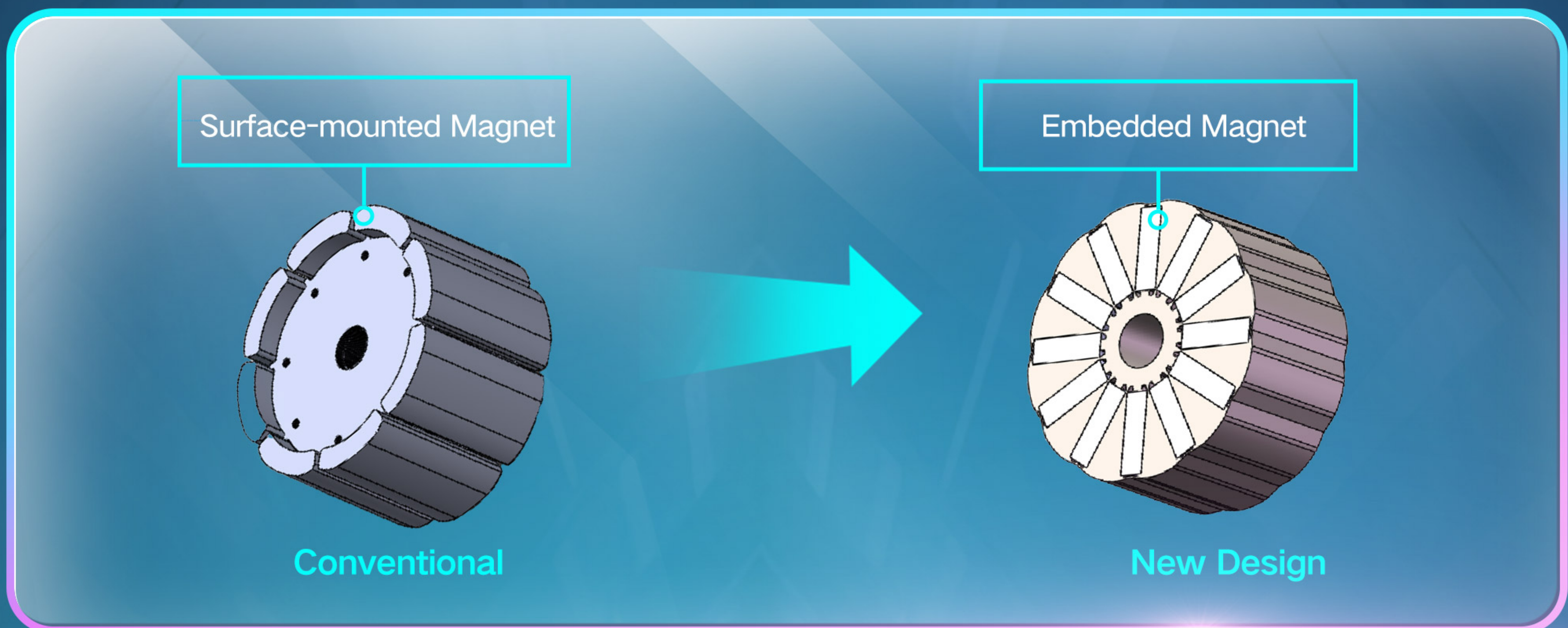
New Design



With the new design, the air volume of the fan has increased by 20%, and its efficiency has improved by 7% compared to the last generation of the fan.

DC Fan Motor with Embedded Magnet Structure

- The high-power brushless DC motor features a plastic-sealed structure, ensuring excellent anti-corrosion performance.
- The embedded magnet structure provides better mechanical strength and thermal management, enabling support for higher operational speeds.



Exclusive Strong Headwind Startup Technology

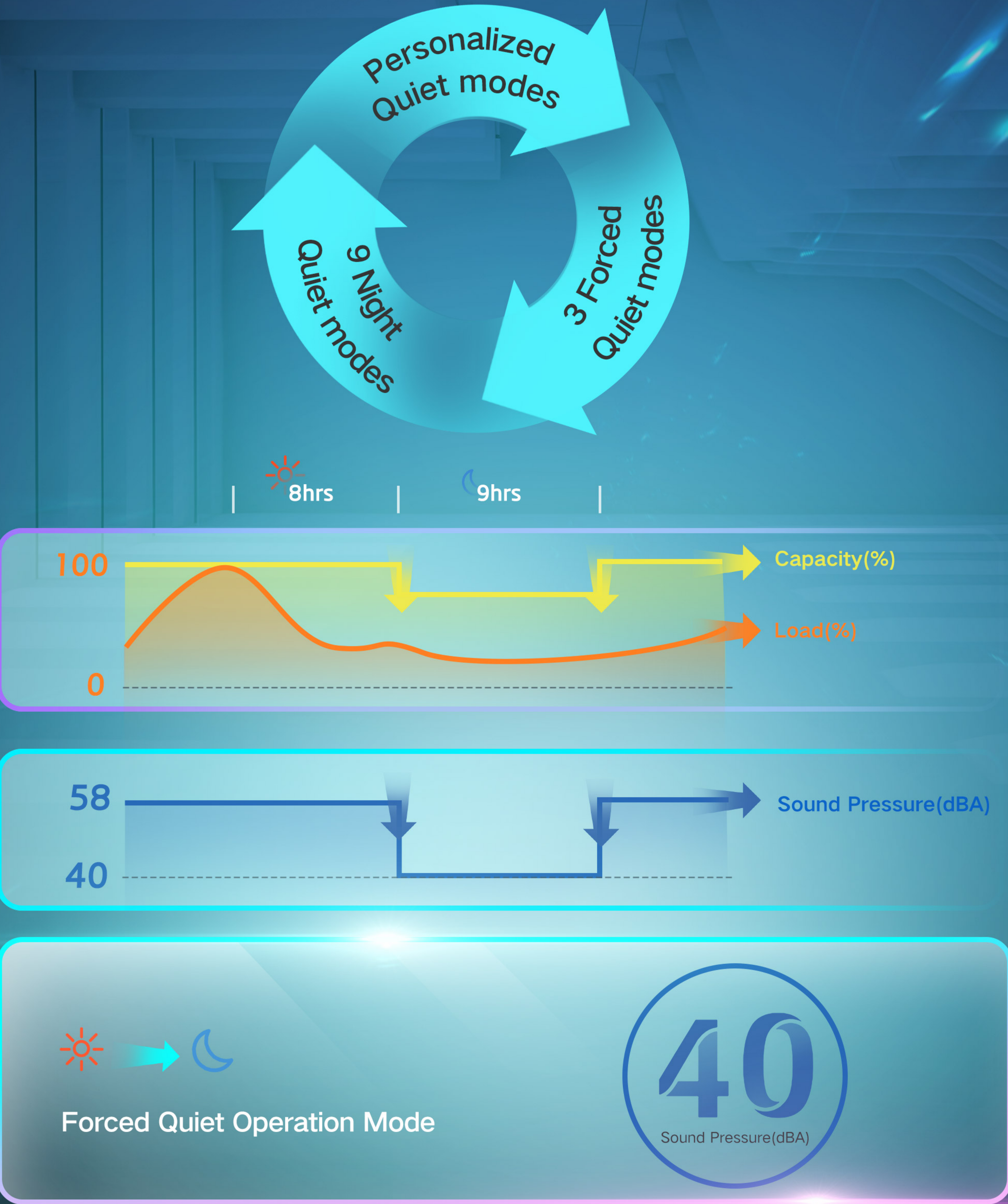
Defies strong winds—halts reverse fan rotation instantly and restarts smoothly, maximizing uptime.



DISTINCTIVE COMFORT

Quiet Operation

Achieve 40 dB(A) quiet operation in Quiet Mode—ideal for nighttime use.



Indoor Unit Heat Exchanger Self-cleaning



Condensation

When the air conditioner is in the cooling mode, the temperature of the evaporator is lower than that of the air. The water vapor in the air condenses into water droplets on the surface of the evaporator and forms a water film.



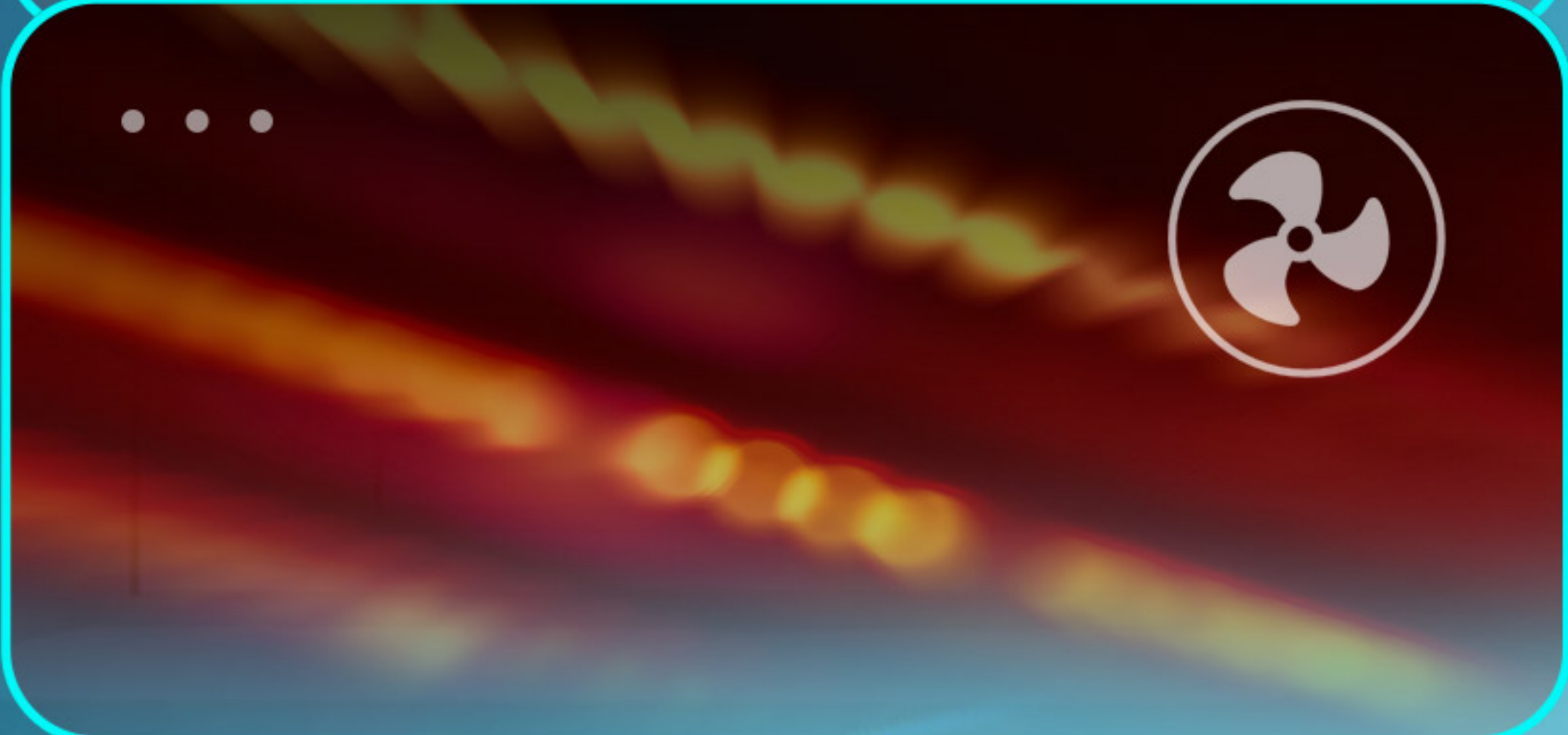
Freezing

The evaporator temperature is further reduced after condensation to freeze the water droplets on the evaporator surface into a thin layer of ice. As the ice layer grows, the dirt attached to the evaporator surface is gradually separated from the evaporator due to the expansion force of the ice.



Dirt Removal

The dirt is embedded in the ice layer. After the ice layer reaches a certain thickness, the air conditioner enters the defrosting mode. The ice melts into water, and the dirt is washed away by the melted water and drained out of the air conditioner through the drainage system.

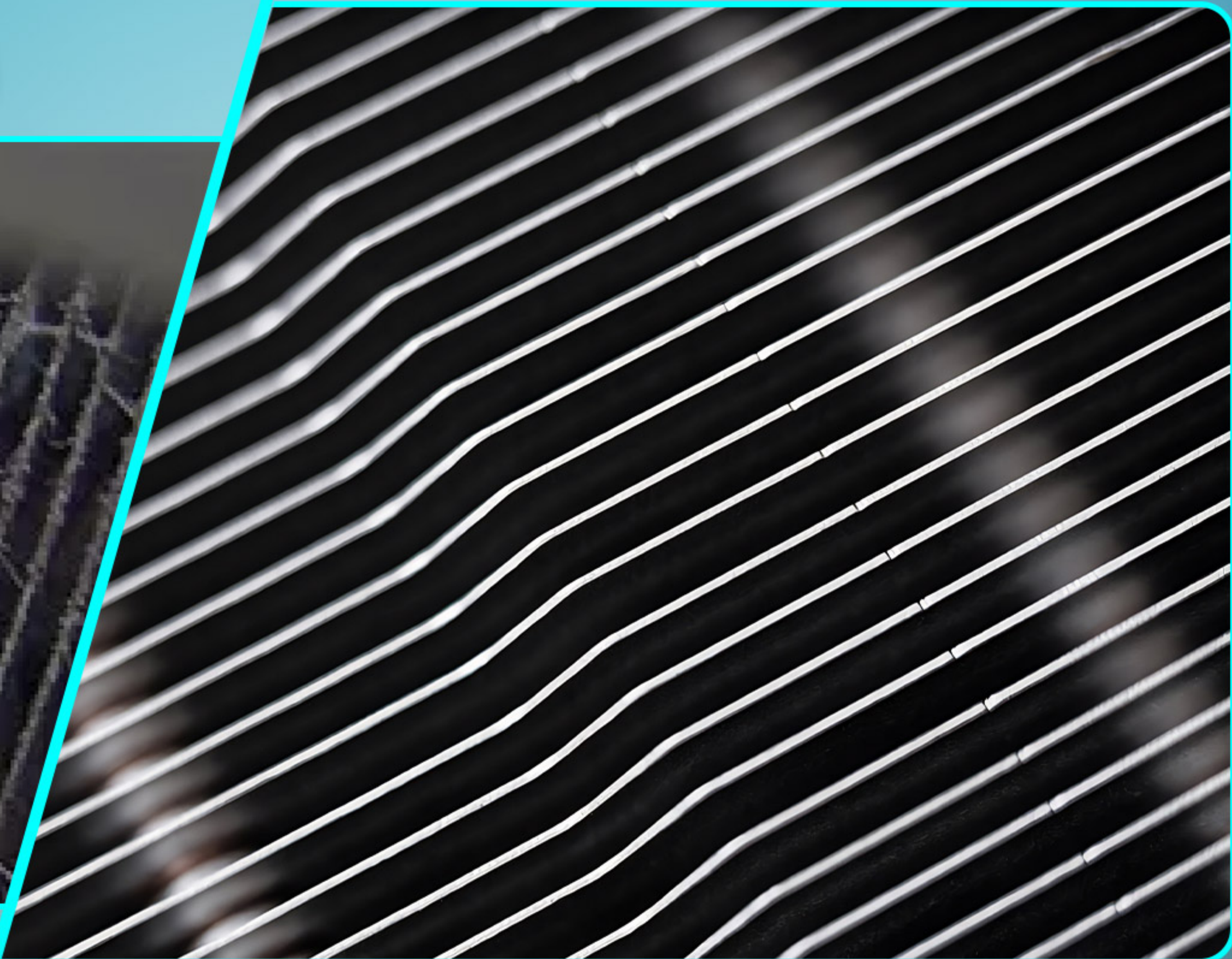
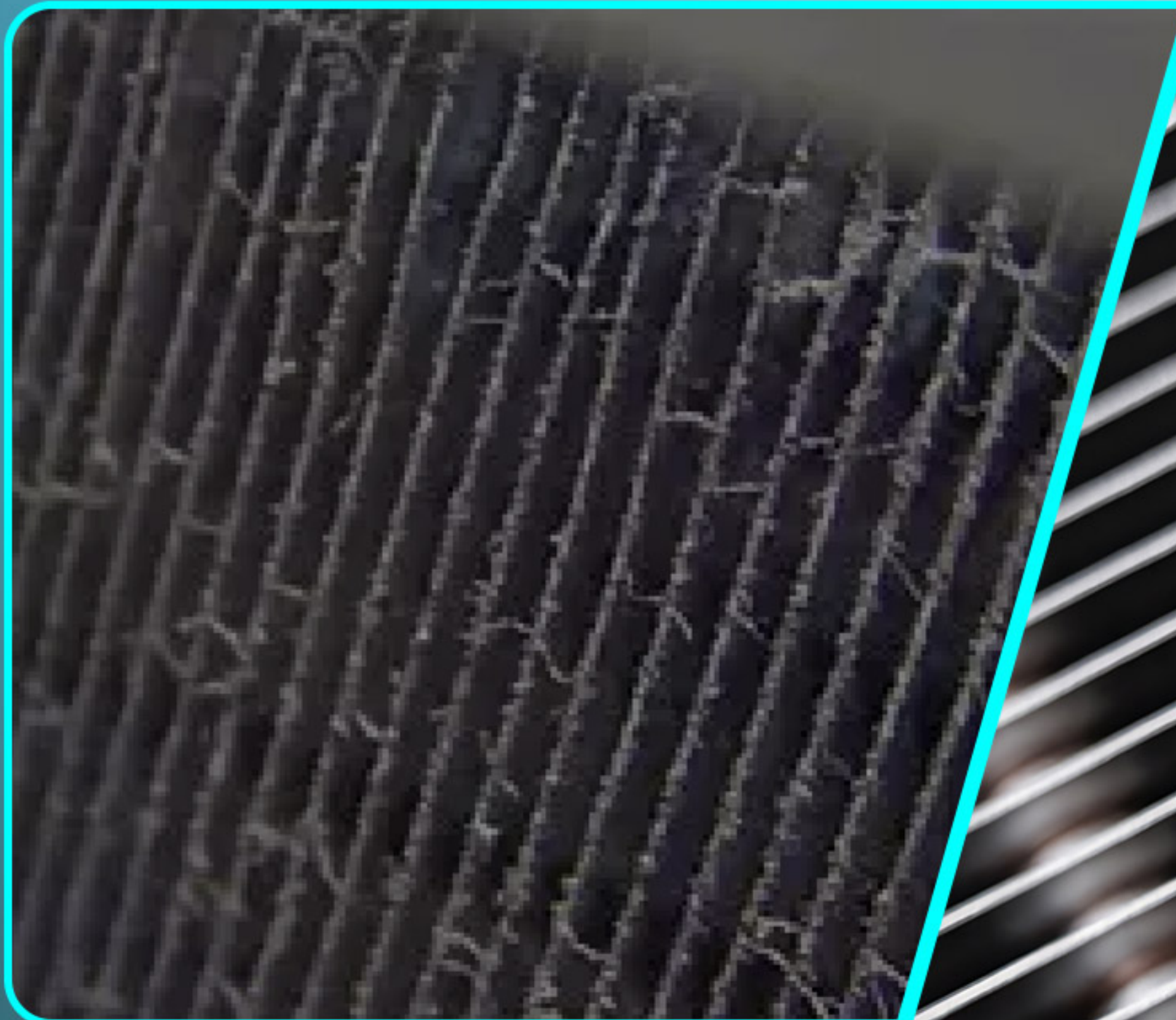


Dry

The fan in the air conditioner operates to blow air over the evaporated water vapor and accelerating the drying process of evaporator and drain pan. This helps to remove the moisture from the unit and preventing mold and bacteria growth.

After Clean

Before Clean

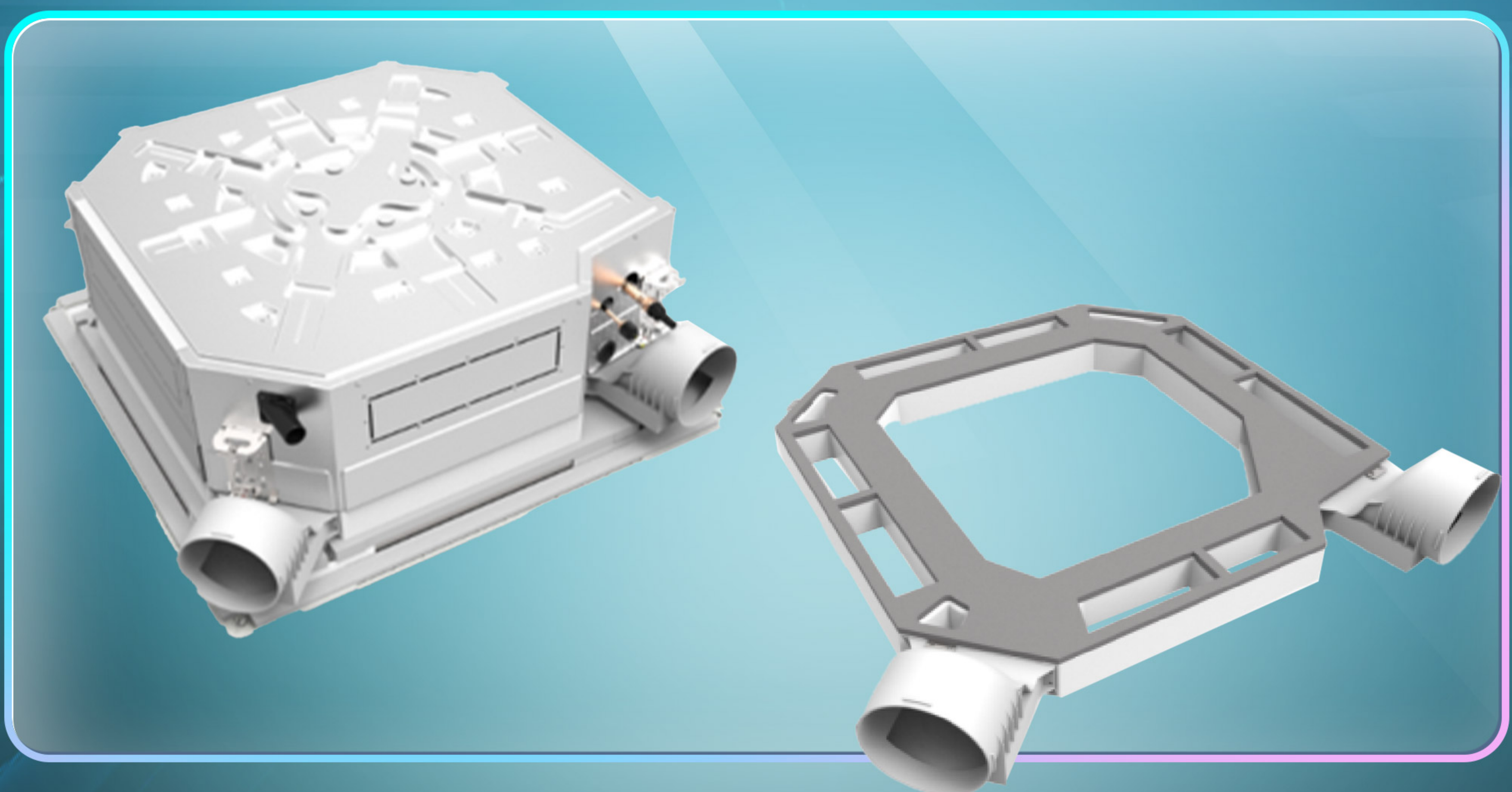


Fresh Air

Fresh air IDUs: 1000-4000m³/h fresh air volume



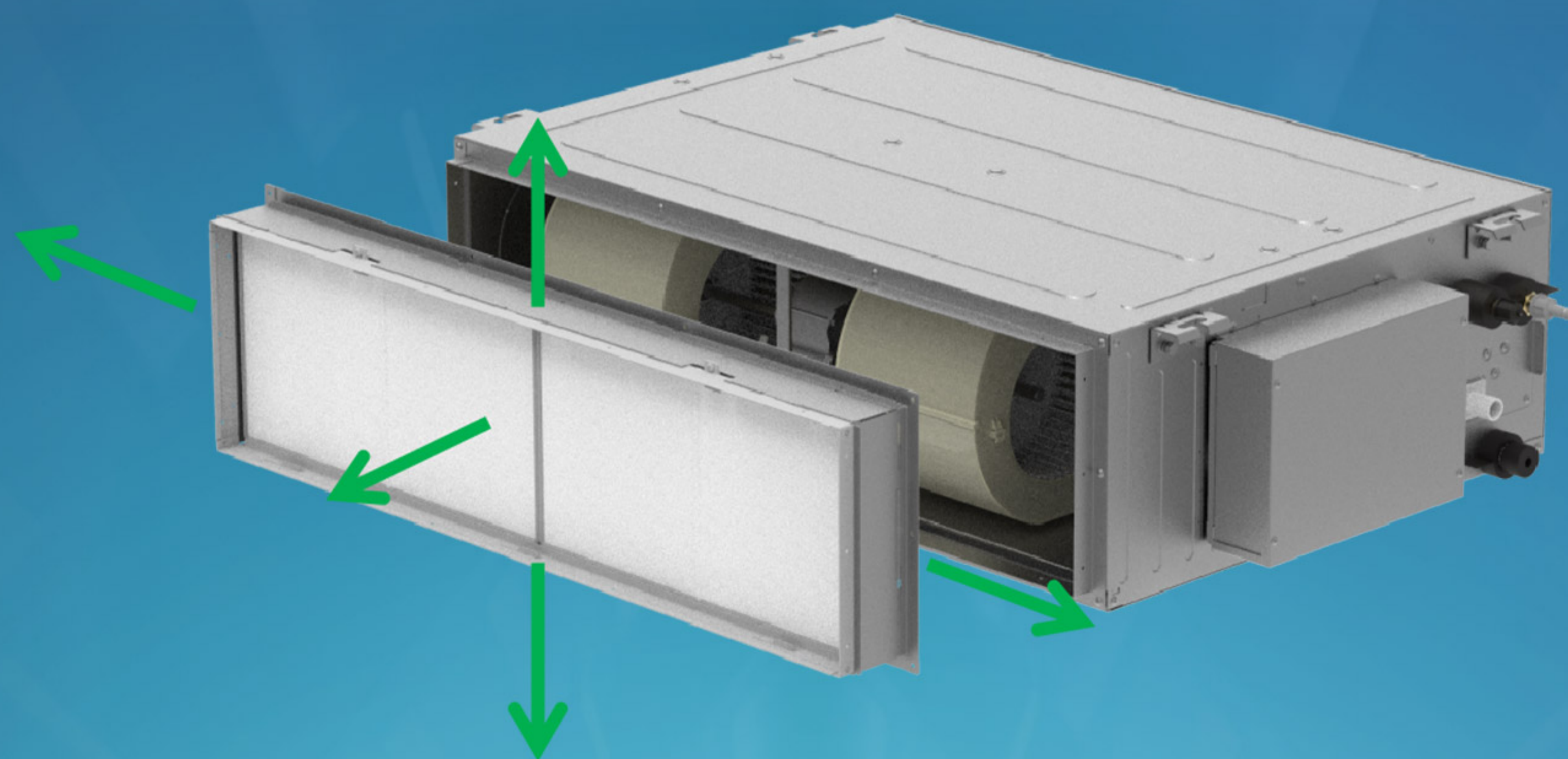
Fresh air kit: effectively introducing 8% to 10% of fresh air from outdoor



Indoor Air Purifying

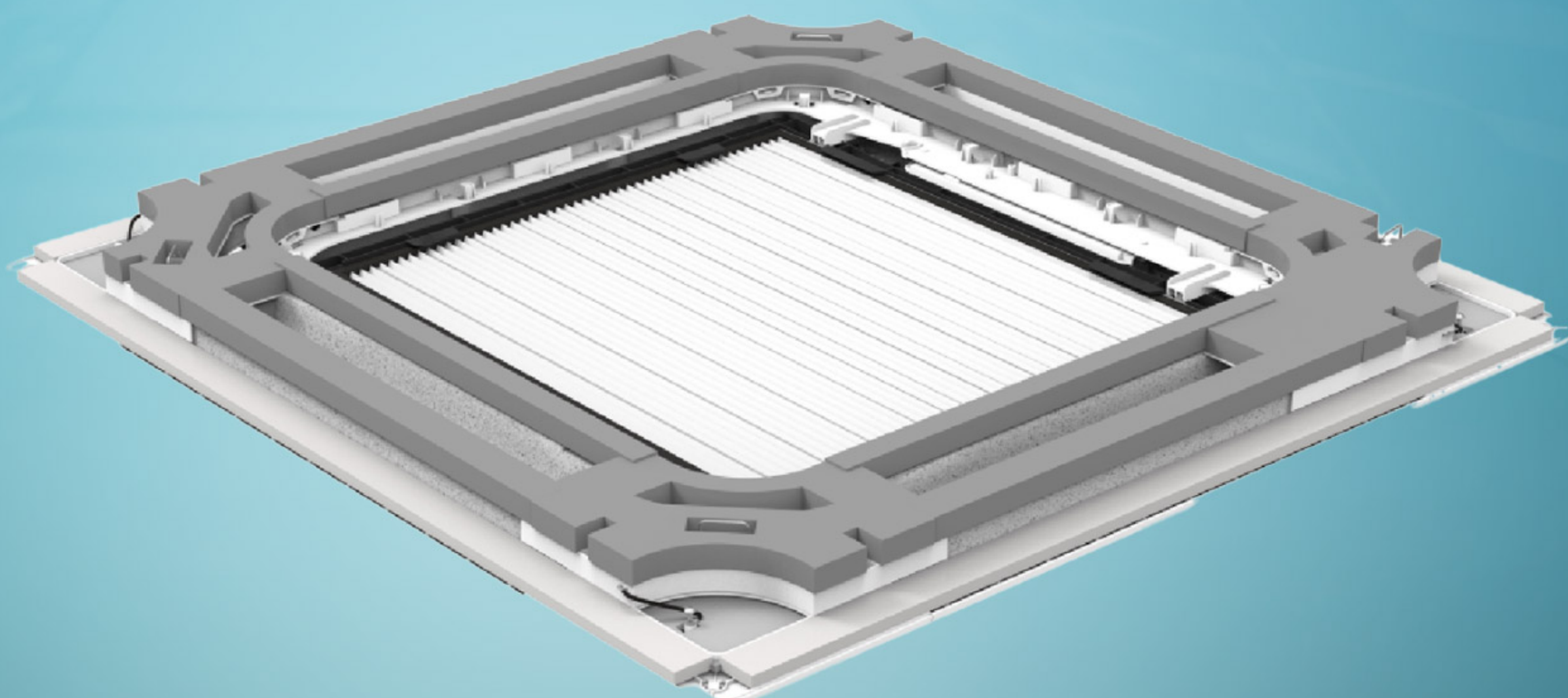
High-Efficiency Filter

- **PM2.5 Removal:** $\geq 90\%$ single-pass purification efficiency
- **Optimized Airflow:** Low resistance with minimal volume attenuation
- **Easy Maintenance:** 5-direction disassembly for quick replacement and installation



- HEPA filter: removes PM 2.5 and formaldehyde.

HEPA Filter



PERFECT MATCH

CAN⁺

CAN+
Communication



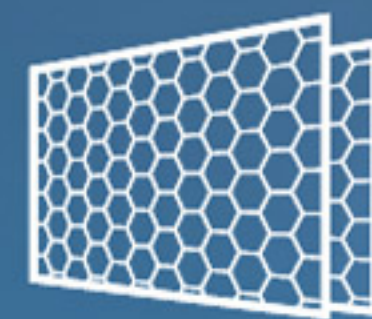
Indoor
Temperature
Detection and
Revision



Power-off
Memory



SET BACK



PM2.5 Filter
(Optional)



Intelligent
Billing System

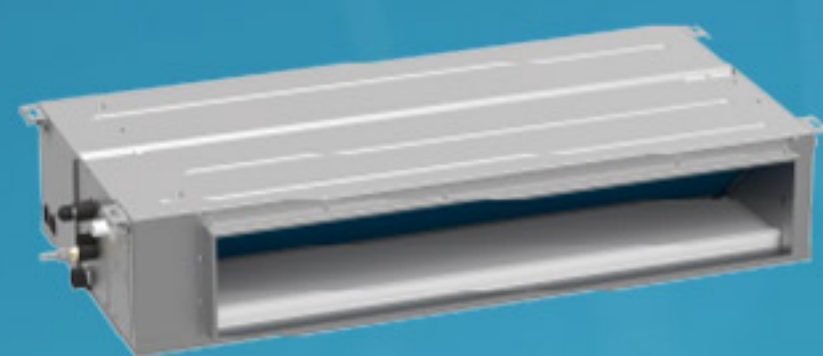


Filter Washing
Reminding

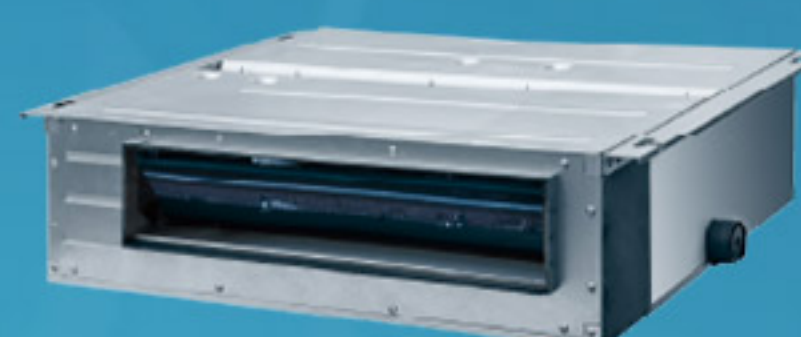
Duct Type IDUs



High ESP



Mid. ESP

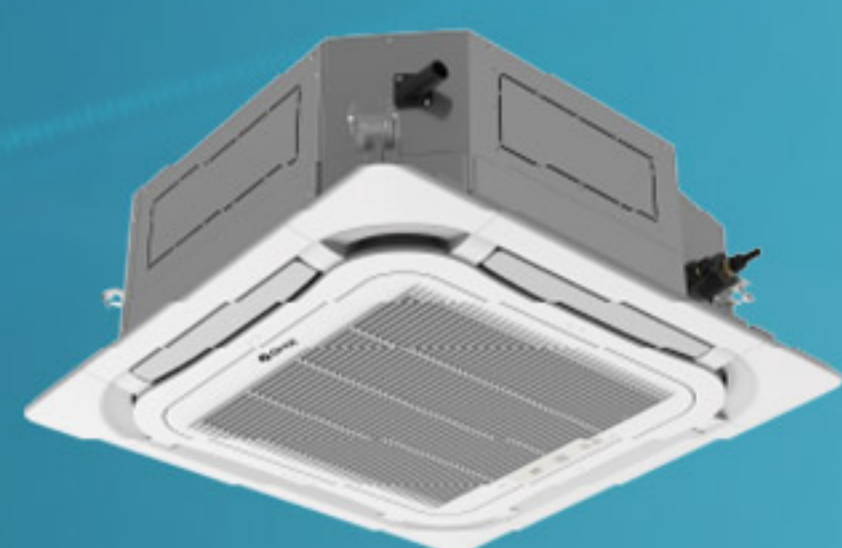


Low ESP



Fresh Air

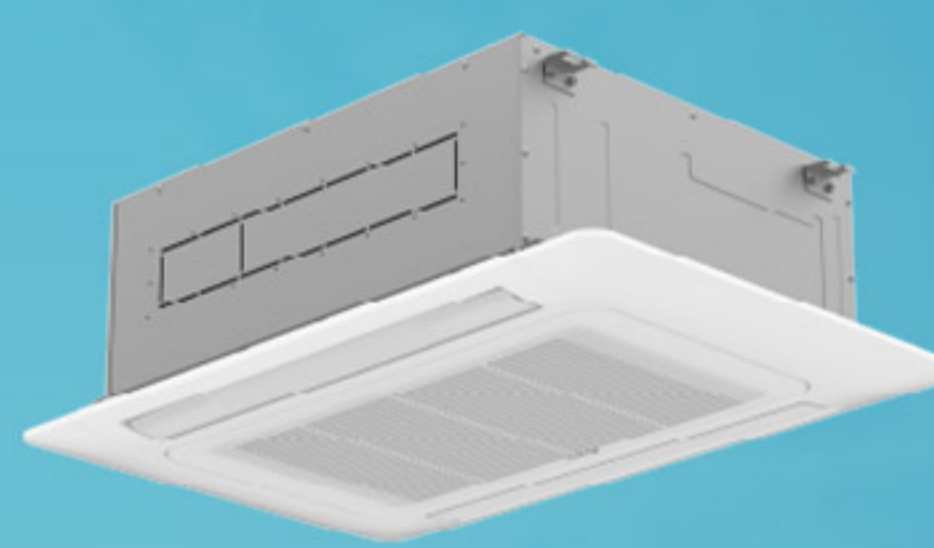
Cassete Type IDUs



360° Flow



Compact Panel



Two-way



One-way

Other IDUs



Wall-mounted



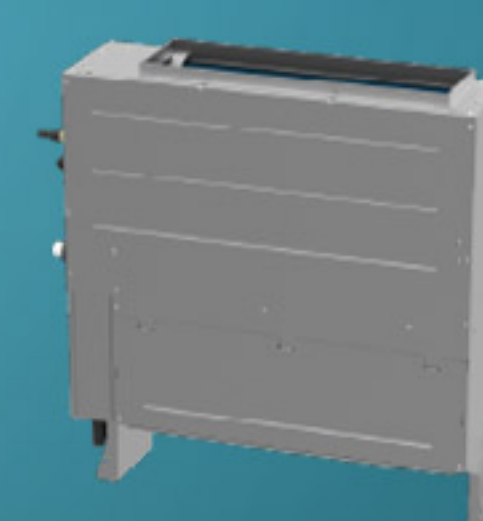
Console



AHU Kit



Floor Ceiling



Concealed
floor standing