

SMARTD

INNOVATION ENGINEERED,
ENERGY OPTIMISED

Air Handling Unit

The Future of Clean, Efficient Airflow





Introducing Smar dt Air Handling Unit (AHU)

Combining engineering precision with limitless flexibility designed for uncompromising hygiene, durability, and energy performance across diverse applications.



STRENGTH YOU CAN TRUST

Robust casing, meticulous detailing, and advanced panel construction ensure exceptional mechanical strength, air tightness, insulation, and cold-bridge prevention guaranteeing long-lasting reliability in every environment.

EFFICIENCY THAT PAYS BACK

Engineered for sustainability and lifecycle savings, Smardt Air AHUs integrate optimized structures, advanced insulation, high-efficiency fans, and low-resistance filtration. The result: reduced operating costs and a smaller carbon footprint.

HYGIENE BUILT INTO EVERY DETAIL

From smooth, sharp-edge-free surfaces to easy-access components, Smardt Air AHUs are designed for effortless cleaning and superior air hygiene. Every element is engineered for compliance with global hygiene standards.

Smart Design. Simple Maintenance.

Structural Excellence

Durable sandwich panel, corrosion-protected base, and hygienic interior surfaces.

Accessibility & Maintenance

Hinges with full 180° opening, LED-lit inspection windows, and pull-out mechanisms simplify service.

Airflow & Filtration

Patented sealed filter frames and airtight dampers ensure superior air quality and precise control.

Hygiene & Durability

Stainless steel 3D drains pans, microbial-inert sealing, and corrosion-resistant coil systems maintain hygiene for the long term.

Energy Efficiency & Precision

Beltless fan systems and optimized airflow reduce energy waste and minimize service needs.

Manufacturing - Where Innovation Meets Precision

At our state-of-the-art facility, advanced engineering and sustainable practices converge to produce world-class air handling units. Each unit is precision-built, tested, and certified to perform in real-world conditions.



Precision-engineered with advanced machinery



Sustainable materials and eco-friendly production



Continuous R&D for innovation-driven improvements



Test Rig – Air volume testing up to 120,000 m³/h



Noise Laboratory: Verified whisper-quiet operation



Cooling Capacity Bench: Range from 5 kW to 14,000 kW



Comprehensive performance validation in specialized labs



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Subject to design conditions and select refrigerants.