

air



 **LIBA**
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Air handling units



Air handling units

Every building is different, and buildings are used in many different ways, which means that air handling units have to meet the most diverse air treatment requirements.

This applies not only to the overall range of functions of air handling units and their volume flow rates but also to the performance range of each functional unit. An air handling unit can handle volume flow rates of up to 27,780 l/s (100,000 m³/h).

Configurable Wintosso air handling units give users the greatest degree of flexibility. Each unit can be configured to meet project-specific requirements. Wintosso provides the best solution for virtually every application situation.



Functions

- Heating
- Cooling
- Humidifying
- Dehumidifying
- Heat recovery
- Air filtration

Variants

- Combi units - with individual supply air and extract air units either stacked or arranged side by side
- Constructions for indoor or outdoor use
- Standard version and hygiene version

Components of air handling units



Fan/motor.
A variety of fans can be offered based on the requirement.

- Belt driven centrifugal fans
- Centrifugal plug fan
- Motors with IE1/IE2/IE3 efficiency
- PM motor with IE4 efficiency



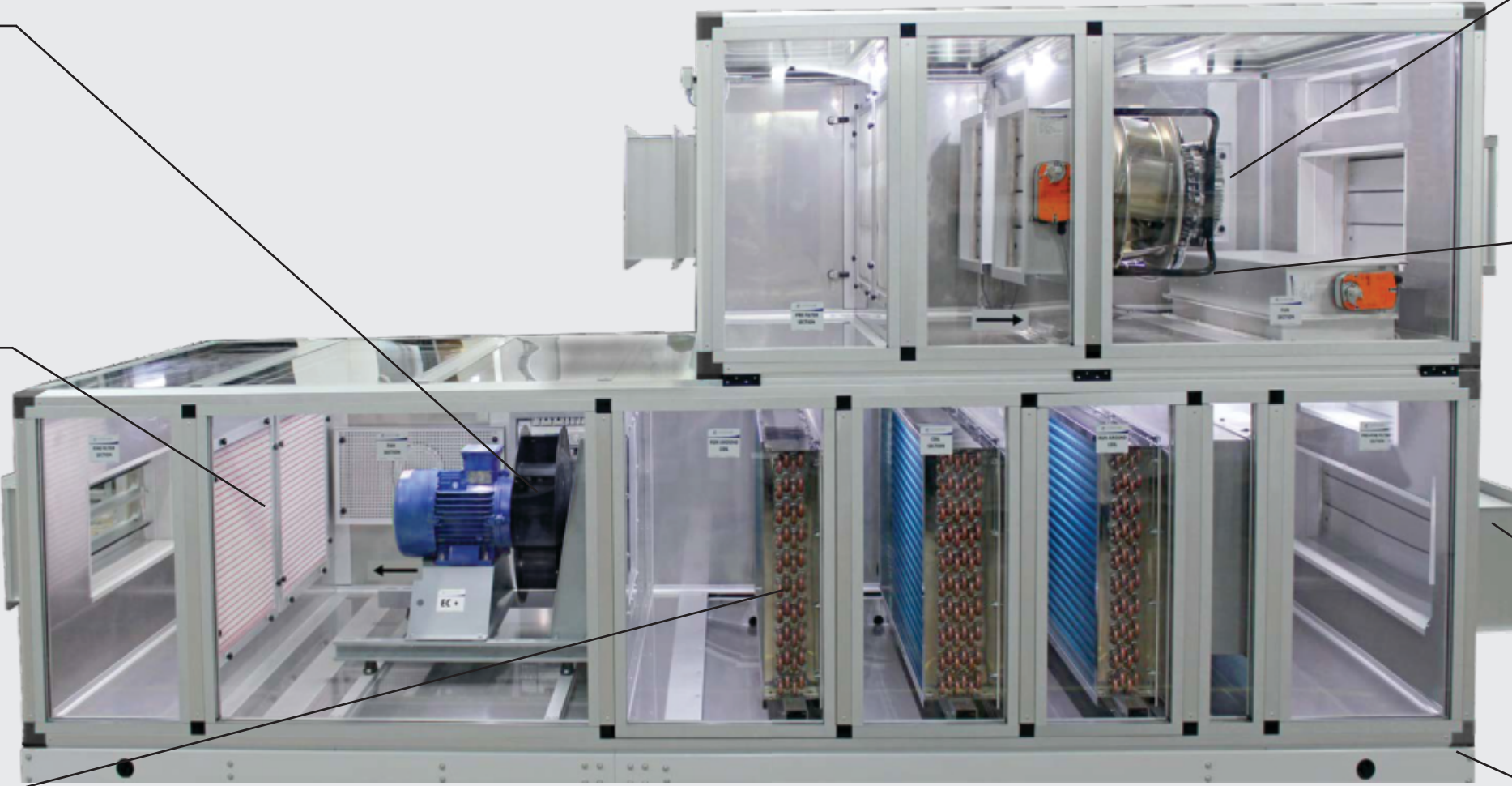
Supply and extract filters.
Units are offered with high quality & low pressure drop filters of different particulate



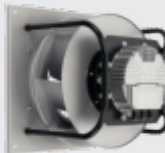
Heat transfer coils.
Copper tube aluminium finned heat transfer coils available in multiple rows and are designed to give certified performance output for heating, cooling & recovery applications



Control system.
Units can be provided with fully tested control systems for all necessary standard functions and the settings can be easily adjusted to desired operational values.



Tightness/corners.
Framework of airtight, elegant & sturdy extruded aluminium hollow profile with polyamide thermal break profile having glass filled nylon corners & spacers.



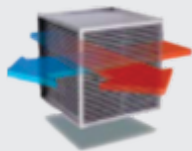
EC fan.
A wide range of EC fans can be offered.



Supply and extract dampers.
low-leakage extruded aluminium dampers suitable for manual or motorised operations.



Base frame.
The base frame is made from painted strong steel with lifting provision.



Heat exchanger.
High quality and energy-efficient heat exchangers are available: rotary heat exchanger, plate type heat exchanger, heat pipes or run around coil heat exchanger.