

CENTRALISED AIR CONDITIONING AND AIR HANDLING



The TROX X-CUBE is an air handling unit with unlimited configuration options of which even the basic version has set a new standard for hygiene and quality. It is only a small step from the top-of-class construction for various applications to an air handling unit specially for hospitals which meets the high hygiene and safety requirements of DIN 1946-4:

- Integration of dampers with the required leakage class 4 to EN 1751
- Powder-coated attenuator splitters
- Stainless steel floor

All other requirements of DIN 1946-4 are already met by the standard X-CUBE air handling unit.

TROX X-CUBE units are very versatile. They can be individually configured and are hence suitable for a wide spectrum of applications. More than 70 construction variants can handle volume flow rates of 1200 to 86,000 m³/h at an airflow velocity of 2 m/s. X-CUBE units are available as supply or extract air units or as a combination of both, arranged side by side or on top of each other, depending on the installation location. The best possible configuration for each application situation can hence be provided. Thanks to lifting eyes at the top of the cubes they can be easily moved and lifted with a crane. This simplifies installation and reduces the installation time considerably. The intelligent interconnection of all TROX components, devices and the air handling unit ensures reliable overall communication and central control of the system components, which complement each other perfectly.

X-CUBE AIR HANDLING UNIT



- Special materials, smooth surfaces on the inside and outside due to high-quality duplex powder coating (corrosion protection class C4)
- With unlimited configuration options, allowing for project-specific adjustments
- Fast and simple installation due to modular construction
- Complete condensate drainage due to stainless steel condensate drip tray, sloped in all directions
- Components are easily accessible for maintenance and cleaning
- Construction variant with measurement and control system is easily connected to the BMS
- High-quality TROX filters
- Heat recovery systems and EC fans ensure high energy efficiency
- Also available as a weather-resistant variant with drip edge and intake hood with tested rain water elimination AHU N° 13.02.005

X-CUBE air handling units comply with AHU Guideline 01 and are certified by Eurovent. They meet the requirements of all relevant standards and guidelines:

- VDI 6022
- ÖNORM H 6020 and 6021
- SWKI Standard VA 104-01
- DIN 1946-4
- EN 1751
- EN 13053
- EN 1886
- EN 13779

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