

HIGH-TECH ROOM AIR CONDITIONING



In highly sensitive areas, more than anywhere else, an air handling unit must meet particularly stringent requirements. 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 takes only a few measures to arrive from the top-of-class construction for various applications to an air handling unit which meets particularly high hygiene requirements:

- Use of damper blades that comply with closed blade leakage class 4 to EN 1751
- Powder-coated attenuator splitters
- Stainless steel floors even inside

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 sizes are available, and they are designed for volume flow rates of 600 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. The units can be arranged side by side or on top of each other, depending on the installation site.

Thanks to lifting eyes at the top the cubes 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 UNITS



- 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 central BMS
- High-quality TROX filters
- Heat recovery systems and innovative fans ensure excellent energy efficiency
- Also available as a weather-resistant variant with drip edge and intake hood for rain water elimination (lab tested)

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