

AIR MANAGEMENT:



X-CUBE air handling unit

HANDLING AND CONDITIONING AIRFLOWS

For an airport with its different buildings and areas, air handling units have to be highly variable and provide utmost adaptability to each control strategy. Flexibility with regard to the installation is an advantage since the units have to be adapted to different locations and conditions.

The air around an airport terminal is, as expected, highly contaminated, mainly by unburnt kerosene. This is why effective filtering is mandatory, as are hygiene and ease of cleaning.

TROX X-FANS ventilation fans can be perfectly adapted to diverse ventilation requirements. Whether large or small airflows – or even extract air from commercial kitchens –, TROX X-FANS offers a suitable fan. Just go to the configurator software at www.trox-xfans.com.

X-FANS ventilation fans and performance

Ventilation fans	Max. motor rating [kW]	Max. volume flow rate [m ³ /h]	Max. pressure [Pa]
Axial fans	280	400.000	4.000
Centrifugal fans	130	200.000	4.000
Roof fans	30	55.000	2.300
Duct fans	12	12.000	1.200

X-CUBE AIR HANDLING UNIT



TROX X-CUBE air handling 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 86,000m³/h at an airflow velocity of 2m/s. X-CUBE units are available as supply or extract air units or as a combination of both. Depending on the installation location, they can be arranged side by side or on top of each other. The cubes are also available for outside installation on roofs, and thanks to the lifting eyes at the top they can be easily moved and lifted with a crane. This simplifies installation and reduces the installation time considerably.

The duplex powder coating (corrosion protection class C4) and the stainless steel condensate drip tray, which is sloped on all sides, ensure optimum corrosion protection. Ease of operation and cleaning are further advantages. As an option, the X-CUBE units can be fitted with high-efficiency activated carbon filters for the separation of kerosene mist. Heat recovery systems and EC fans ensure high energy efficiency. The units are available with an integral measurement and control system upon request. And last but not least, they can of course be integrated with various building management systems.

FILTERS



Extensive filter programme – certified by Eurovent.

TROX X-FANS



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X-FANS ventilation fans and performance

Ventilation fans	Max. motor rating [kW]	Max. volume flow rate [m ³ /h]	Max. pressure [Pa]
Axial fans	280	400,000	4000
Centrifugal fans	130	200,000	4000
Roof fans	30	55,000	2300
Duct fans	12	12,000	1200