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Comfortable residential ventilation thanks to TROX

'The entire world of air conditioning' – this is the TROX motto at the ISH, where the company showcases innovative and optimised components and units. What is more, at Booth B51 in Hall 11.0 the company also demonstrates its overall expertise as a provider of comprehensive systems.

Suitable solutions for detached houses and blocks of flats

Increasing requirements of energy efficiency and comfort air conditioning in residential buildings mean that advanced systems for this sector have become a must. TROX provides bespoke solutions to meet different requirements of detached houses and blocks of flats: compact units of Type X-CASA, with different features for detached houses and individual flats, and central system solutions based on the X-CUBE with the residential air control unit for blocks of flats.

Individual ventilation for individual flats

X-CASA 150 is a compact solution for individual flats. Where space is an issue, the unit with its decorative front panel can be installed as part of a fitted kitchen. Thermal insulation and particularly aerodynamic airflows make this solution particularly energy-efficient.



The X-CASA 150 residential ventilation unit measures only 750 x 600 x 340 mm (H x W x D) and can hence be installed as part of a fitted kitchen; a volume flow rate of up to 150 m³/h ensures comfortable conditions in the home.

Press Release



Certified for 'passive houses'

While the X-CASA 300 is currently being certified, the X-CASA 500 has already been certified by the Passivhaus Institute as an energy-efficient component. Both units meet the highest requirements of comfort and air quality and are environmentally friendly. The X-CASA 300 offers a high level of flexibility since it can be installed horizontally or vertically.

The comfort variant of both systems includes an integral air heater with safety monitoring. Both units can be operated using a touch screen or mobile device with TROX app.



The X-CASA 300 and 500 residential ventilation systems are whisper-quiet due to integral sound attenuators, and very energy-efficient due to thermal insulation and particularly aerodynamic airflows.

Perfect control system for blocks of flats

The compact design and excellent acoustic values make TROX HESCO's TH-WLB4 residential air control unit the ideal choice for individual flats in larger blocks. When the unit is connected with the X-CUBE compact, the resulting ventilation system meets the most demanding requirements of energy efficiency and comfort.

The unit is automatically controlled (3 steps) based on VOC values. Actual values are signalled to the X-CUBE compact such that a high level of energy efficiency is achieved. Depending on the requirements, an X-CUBE with unlimited configuration options can be used instead of the X-CUBE compact and may be combined with TROX fire protection systems.

TROX[®] TECHNIK

The art of handling air



The technical data for the Type TH-WLB4 residential air control unit speak for themselves: 900 x 580 x 250 mm (L x B x H), a nominal volume flow rate of 300 m³/h, a sound power level of 32 dB(A) at 300 m³/h and a pressure loss of 50 Pa.

TROX is leading in the development, manufacture and sale of components, units and systems for the ventilation and air conditioning of rooms. With 30 subsidiary companies in 30 countries on 5 continents, 14 production facilities, and importers and representatives, TROX is present in over 70 countries. Founded in 1951, TROX generated in 2013 with a total of 3,700 employees around the globe revenues of €416 million.

This press information is also available under www.trox.de/PR_ISH2015

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