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VENTILATOREN

NEW

LOT6
2018

ec
technology

ETA KOMPAKT

WITH COUNTER FLOW HEAT EXCHANGER

THE NEW ETA K RANGE

THE ETA K RANGES

Are completely redesigned and fulfill all requirements of the ErP 2018.

The air handling units have a very efficient recuperative counter flow heat exchangers made out of aluminum. These can achieve heat recovery rates of more than 90%.

The bypass offers frost protection in case of lower outside temperatures. It also ensures the free cooling in the cooler morning hours during summertime.

Supply and extract air are completely separated by aluminum plates.

The double-wall housing was designed in such a manner, that a minimal use of sealing ensures maximum tightness.

- Heat recovery up to 90%
- Complete separation of the supply and extract air flows
- Very low external leakage: L2 (DIN EN 1886)
- Very compact design
- Double wall, frameless housing with mineral wool insulation
- Integrated water heater
- Optional external cold water cooling module or DX-module
- Integrated controls in standard version
- Constant Air Volume System
- EC fans with pressure and volum flow control

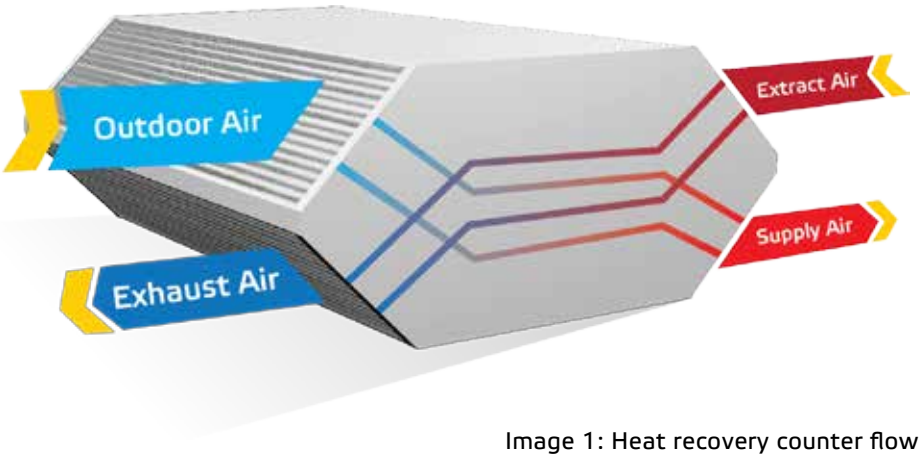


Image 1: Heat recovery counter flow heat exchanger

THE TYPES

ETA KOMPAKT F

ETA K ... F is the ideal flat device for ceiling void mounting with a high performance at extremely compact dimensions. Even in case of reconstructions, the flat unit can easily be integrated into the ventilation system.

ETA KOMPAKT H

ETA K ... H with horizontal connections is usually installed in a technical room, but is also suitable for outdoor installation with the appropriate rain cover and a cover for the isolator switch. The sized access doors allow unrestricted access to every installation part for maintenance and cleaning purposes.

ETA KOMPAKT V

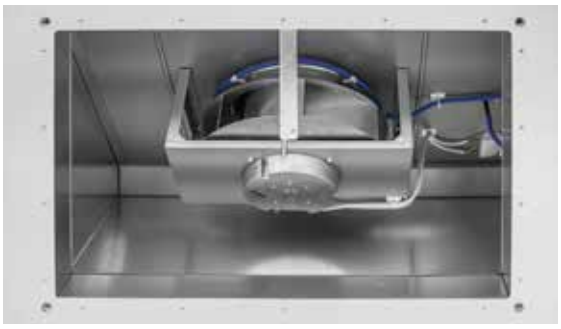
ETA K ... V with vertical air guidance and a small footprint can be accommodated in a space-saving way.The ideal solution for small installation rooms.

THE RIGHT CONCEPT

FIELD OF APPLICATION

For the ventilation of rooms where the emission sources are human metabolism or building materials and structures, e.g.:

- Offices
- Schools
- Kindergartens
- Cafes
- Restaurants
- Meeting rooms
- Multi-family houses



The units have smooth surfaces inside, the components easily accessible

CONTROLS

The devices are standard equipped with microprocessor controls, factory wired and tested. All sizes have constant volume fan operation. The desired air volumes can be easily entered into the remote control unit. Furthermore, an automatic mass flow correction is integrated in the controls. This means that even in winter only the desired air volume flow rates are fed into the building. These ventilation units therefore offer additional energy savings of up to 15%. Further control options such as CO_2, humidity or external volume flow control as well as an integrated Modbus-RTU interface ensure flexible application possibilities.

Simplified filter change

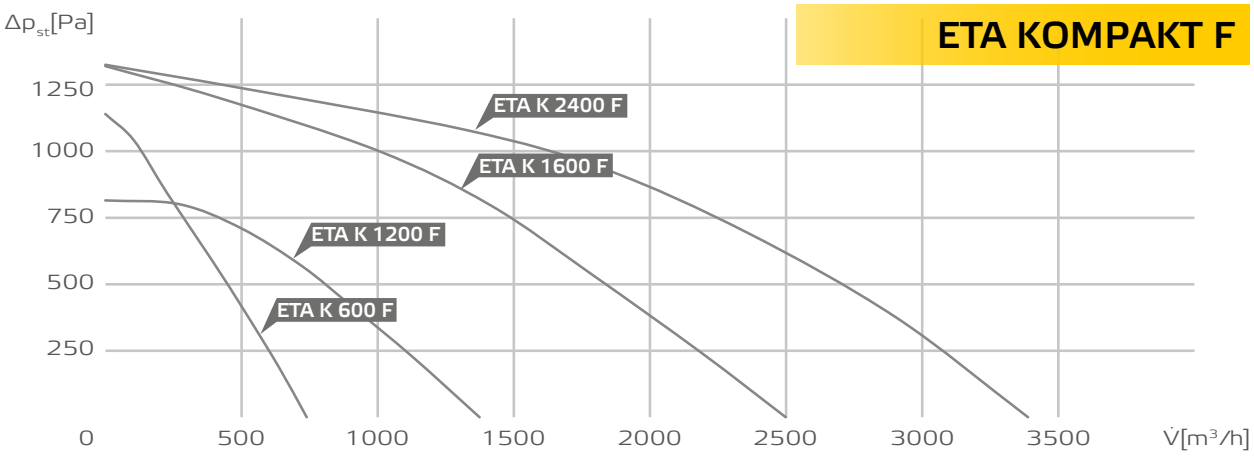
ESSENTIAL FUNCTIONS

- Constant or demand-controlled volumetric flow
- Modbus RTU or 0-10V input
- Optional CO_2-Sensor
- Free cooling
- Daily / weekly program
- Touch remote control unit

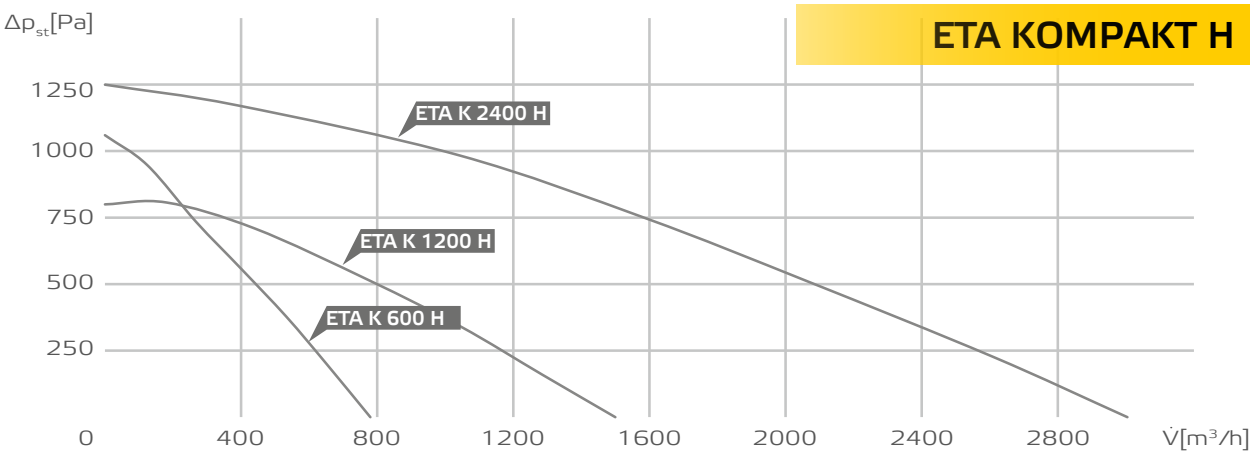
Counterflow heat exchanger can be extracted for cleaning

AIR PERFORMANCE CURVES

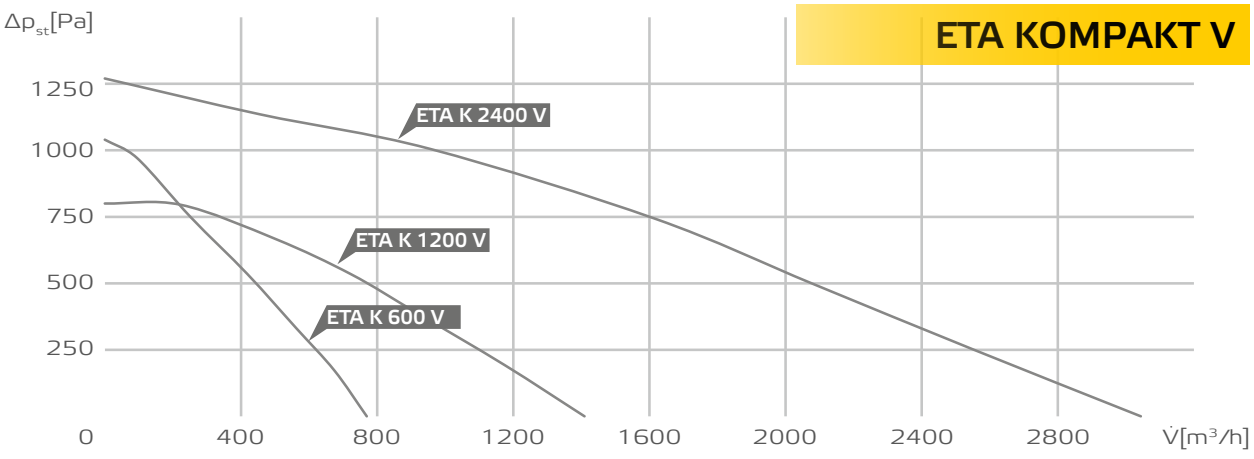
ETA KOMPAKT F



ETA KOMPAKT H



ETA KOMPAKT V



OUR PRODUCT RANGE

IN LINE TUBE FANS

ETALINE and ETAMASTER, the No. 1 in saving energy.

DUCT FANS

Backward curved centrifugal fans, sound insulated, compact diagonal fans.

EXHAUST FANS

For industrial or kitchen exhaust, up to 120 ºC.

ROOF FANS

With horizontal and vertical discharge, up to 120 ºC.

COMPACT AHU

With counter flow heat exchanger with more than 90% heat recovery efficiency and EC fans. Available with horizontal or vertical air guidance respectively flat units for suspended ceiling mounting.

COMPACT AHU

With rotary heat exchanger with up to 80% heat recovery efficiency and EC fans. Available with horizontal or vertical air guidance.

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