

TKM 50 EASY

TROX expands its air-handling units range with a new standard and predesigned line, which combines the excellent features and technical specifications of the TKM 50 HE EU y TKM 50 N EU with Eurovent certification.

The configuration of the Easy series is based on a rotary recovery-system block, flat filters for external and return air, and EC fans (base block); then, the different components the units might require are configured.

These units may be fitted with a wide range of accessories to complete the design of the air-handling system, so that it is fully adapted to meet each project's specific requirements.



Main features:

- 11 standard unit sizes, guaranteeing an optimised use of the spaces on site
- Air-flow rate up to 22,600 m³/h
- EC fans included, to guarantee maximum energy efficiency and a reduced sound impact
- Range of accessories, such as heating/cooling coils and final filter
- With the control module, the unit can be connected to the BMS (BacNet TCP-IP and ModBus)
- Ideal solution for small and medium size application
- Simple component design and configuration (YAHUS EU software)
- Technical data and dimensions export to the BIM REVIT software
- The Easy model is EUROVENT Certified



Technical Support Service

We have a department of experts in TROX products and systems which guarantee fast and efficient actions. Our Technical Support Service offers a wide range of solutions, such as:

- Commissioning
- Repairs
- Auditing
- Unit updates
- Unit assembly on site
- Maintenance

Contact sat@trox.es



TROX[®] TECHNIK
The art of handling air

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► Air-Handling Units ►

TKM 50 EASY



Easy & Smart

New series of air-handling units available in 11 standard sizes

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► Control ►►

- Built-in HMI screen in the PLC
- Freely-programmable controller with configurable applications
- Easy to configure via a Web server interface and HMI
- Controller with Bacnet TCP/IP and Modbus communication
- Prepared for connecting to **AIRCONTROL**
- Autonomous operation or integrated into the building's BMS
- Remote management and possibility of remote maintenance from TROX using the built-in router
- Ventilation control on demand
- Analysis of trends and features

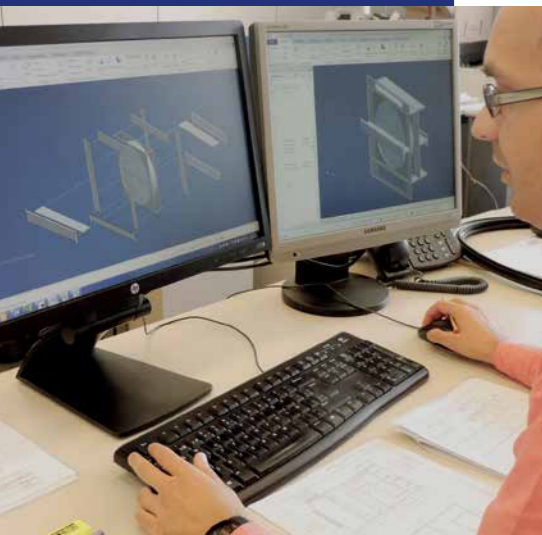


The flow chart shows the status and operation of the TKM 50 Easy in real time.

► Custom design ►►

TROX air-handling units are designed using CAD in 3D; this allows us to validate the product, its sections and components before manufacture, without the need to use prototypes. In turn, this gives us additional time for custom-designing the units, using the portfolio of models developed for previous projects.

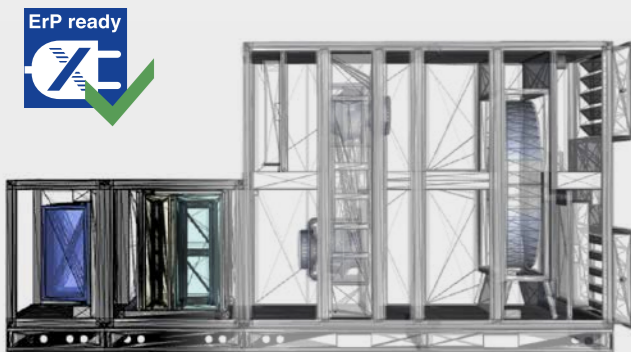
All our units are configured to meet each project's specific demands. They are configured and designed using software. This tool takes into account energy-efficiency requirements and, therefore, guarantees their correct configuration.



► Accessories ►►

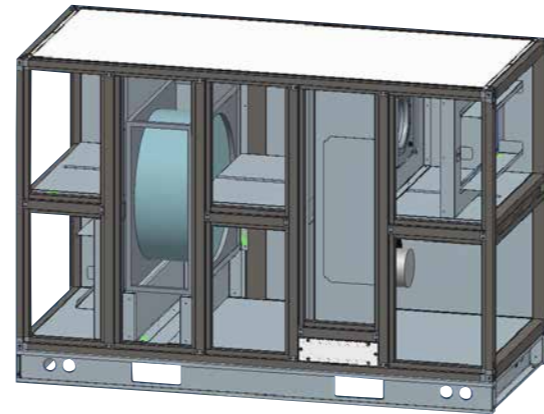
The new TKM 50 Easy series has specific accessories, especially designed to satisfy any kind of demand:

- Cooling and/or heating coils
- Compact final filter: F7 (ISO ePM1 65%)
F9 (ISO ePM1 85%)

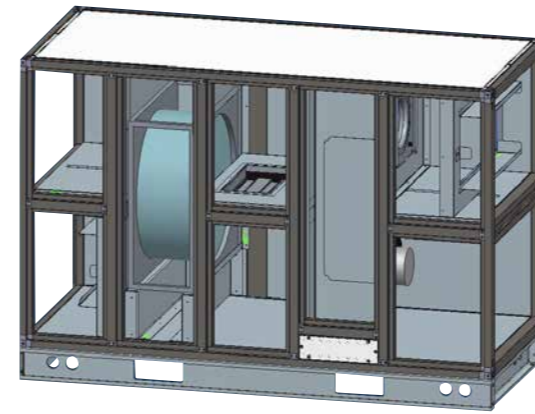


► Sizes and Flow Rates ►►

Compact design, so far available in 11 standard sizes, and with 2 possible configurations:



Rotary recovery system with 100% exterior air



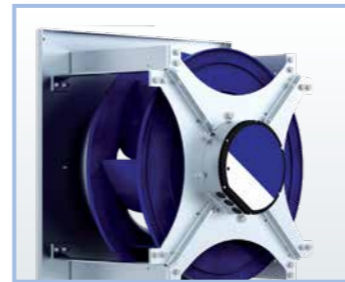
Rotary recovery system with damper for air recirculation



Rotary recovery systems
With the possibility of humidity transfer. Three variants available for selection: enthalpic, sensitive and sorption.



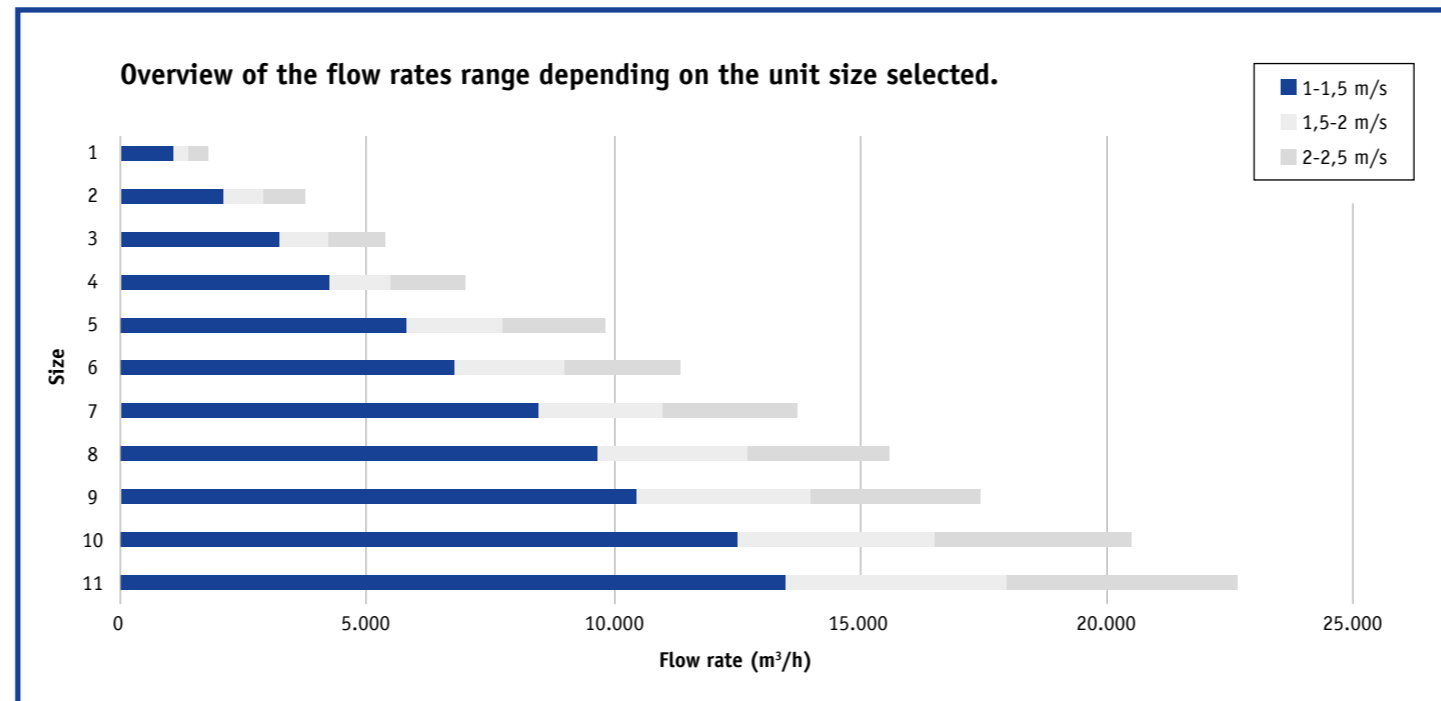
Air-tight dampers
Manufactured in aluminium or galvanised-steel sheets, with the possibility of incorporating an actuator.



Plug-fan
Fans equipped with selected EC motors for maximum performance.



Flat filters
Low load loss and energy efficiency Class M6-F7 (as per EN779) or ePM10 75% and ePM1 65% (as per ISO 16890).



► Selection Tools ►►

■ Your Air Handling Unit Software by TROX



Any requests for the YAHUS EU by TROX software – and any updates – are arranged over the TROX España website: www.trox.es, in the Product/Software section, by e-mail to the sales office responsible for your area.

The new Easy series of air-handling units is also configured, calculated and selected with our Eurovent-certified YAHUS EU by TROX software, and it meets the requirements of the ErP regulation.

One of the great advantages of our new Easy range is the possibility to calculate the unit automatically using YAHUS EU in a fast and intuitive manner, which also allows for the configuration of a wide range of accessories. It includes control and electrical panel by default.

The most optimum features for your unit are immediately obtained, with the possibility of increasing or reducing their size automatically, depending on the project requirements. Units can be calculated at a different height.



■ Quick Selection Table

It offers the possibility to obtain a predimensioning of the unit, approximate features, and a selling price without the need for additional calculation tools.

■ BIM

Export from YAHUS EU and integration of the unit in a fast and safe manner via plug-in in BIM and REVIT applications.

