

eQ Top/TopMaster
Air Magic by Fläkt Woods



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FläktWoods

Save Energy, Economy and Environment with Fläkt Woods

Energy optimization is an important aspect of ventilation solutions and an area in which Fläkt Woods have acclaimed expertise. We use the symbol e³ to highlight products and solutions that are particularly effective. They serve a dual purpose of saving both your long-term economy and our environment.



Compact and energy efficient
air handling units

eQ Top and TopMaster



The eQ Top is a compact air handling unit, manufactured in two sizes with an air flow range up to 1,6 m³/s. The eQ Top is a flexible air handling unit, which is easy to install and commission. The unit is supplied with direct-driven supply and extract air fans, supply and extract air filters and a rotary heat exchanger. There is a wide range of accessories for the eQ Top for in-duct air processing. This range includes everything necessary such as dampers, coils, silencers etc.

The control system, which is integrated with the unit, is ready for use with a large number of external functions. Temperature sensors and actuators can be easily connected using quick connectors.

The TopMaster is a compact unit manufactured in two sizes that requires minimal space and with an air flow range up to 0,55 m³/s. Compact dimensions and low sound data provide great flexibility in the location of the unit. Its attractive design also adds to the flexibility of location. All duct connections are on top of the unit. The unit is supplied with direct-driven supply and extract air fans with EC-motors, supply and extract air filters and a rotary heat exchanger. The CURO™ control system, which is integrated with the unit, is ready for use with a large number of functions.

► Typical installations

The eQ Top and TopMaster are compact air handling units suitable for installation in public buildings such as child care centres, schools, offices, shops etc. They are intended for indoor installation.

► Quality and environment

All air handling units and components from Fläkt Woods are designed, tested and manufactured to the applicable standards, including quality assurance system ISO 9001 and environmental management system ISO 14001.

► Reliable control system

The integrated control equipment is supplied complete with all the field components necessary; programmed, configured and tested. It is the perfect solution for both small installations with straightforward control functions, and also for large installations with data communication requirements. The Fläkt Woods' control platform supports communication via open standard protocols, which allows its simple and cost effective integration with building automation systems.





eQ Top | Easy to use

Whether you are a consultant, contractor or end user you will appreciate the advantages of the eQ with its factory fitted control equipment. Our control equipment has been especially developed to facilitate project planning, installation and operation – and to give you more time for other things.



Product data, eQ Top

- Air flow range 0,2–1,6 m³/s (Size 008, 0,2–1,1 m³/s) (Size 011, 0,2–1,6 m³/s)
- Efficient heat recovery
- Ultra compact filters
- Plenum fan Centriflow Plus®
- Motor alternatives: EC-motor, integral motor or standard motor
- Simple installation with all connections facing upwards
- Pleasant design

TopMaster | Easy to control

The TopMaster is always supplied with its integrated control equipment. All internal components are pre-connected and the unit is factory tested. TopMaster's CURO™ control equipment has been developed to be easy to use, install and monitor.



Product data, TopMaster

- Air flow range 0,1–0,55 m³/s (Size 030, 0,1–0,35 m³/s) (Size 050, 0,1–0,55 m³/s)
- Efficient heat recovery
- Integrated CURO™ control system
- Built-in heating coil
- Ultra compact filters
- Radial fan with EC-motor
- Simple installation with all connections facing upwards
- Pleasant design
- Externally painted

Control system

The control system for eQ Top is based on high quality components from some of the best manufacturers in the field. The heart of the system is one of the most powerful digital control units on the market. The software has been specially developed for the eQ units, and contains practically all the functionality that is needed to control an air handling unit. The eQ Top can be delivered without control system.

The system includes the following functions:

- Temperature control
- Frequency converter control for constant pressure or constant air flow
- Control on request
- Shunts for heating or cooling
- CO₂ control
- Control of different types of heat exchanger
- Fire functions
- Energy measurement
- Control of up to four extra fans
- Control of up to four temperature zones
- Preheating
- Communication via OPC, BACnet, LonWorks or Modbus
- Built-in web server

Control functions and Accessories

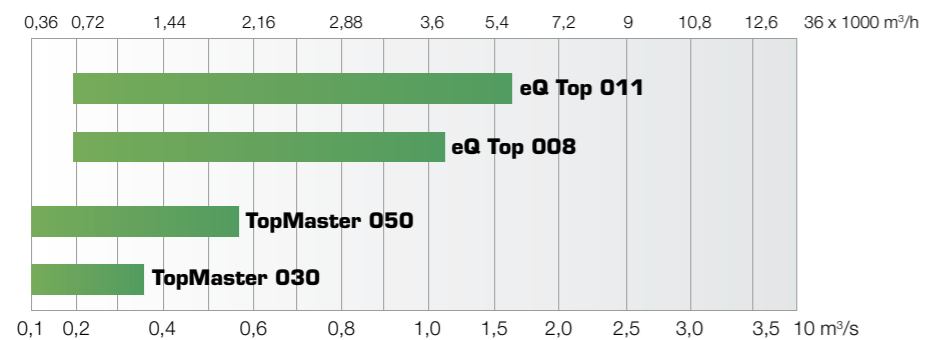
TopMaster is always delivered with Fläkt Woods' integrated CURO™ control system which includes the easy to use CURO™ Touch control panel. The touch screen display has a very clear and simple interface for configuration and presentation of all functions and settings. CURO™ control makes it easier than ever to take full control of your air handling unit and maximising the potential energy savings.

- Supply air/extract air or room control
- Maintaining air flow or pressure
- Summer night cooling
- Cooling recovery
- Summer and winter compensation
- Extended/forced operation by a timer
- Freeze protector
- Timer program
- Defrosting
- Filter monitor/flow monitor
- Modbus communication via RS-485 or TTP/IP

Dimensions and air flows



Size (aaa)	A	B	C	D	E	F	G	H
TopMaster 030	1280	-	1050	735	Ø 250	246	235	170
TopMaster 050	1280	-	1050	735	Ø 250	246	235	170
eQ Top 008	1754	600	1152	1100	Ø 400	275	550	270
eQ Top 011	1954	700	1352	1200	Ø 500	300	600	330



Delivery configuration
The eQ Top and TopMaster can be delivered as right-hand or left-hand configuration.

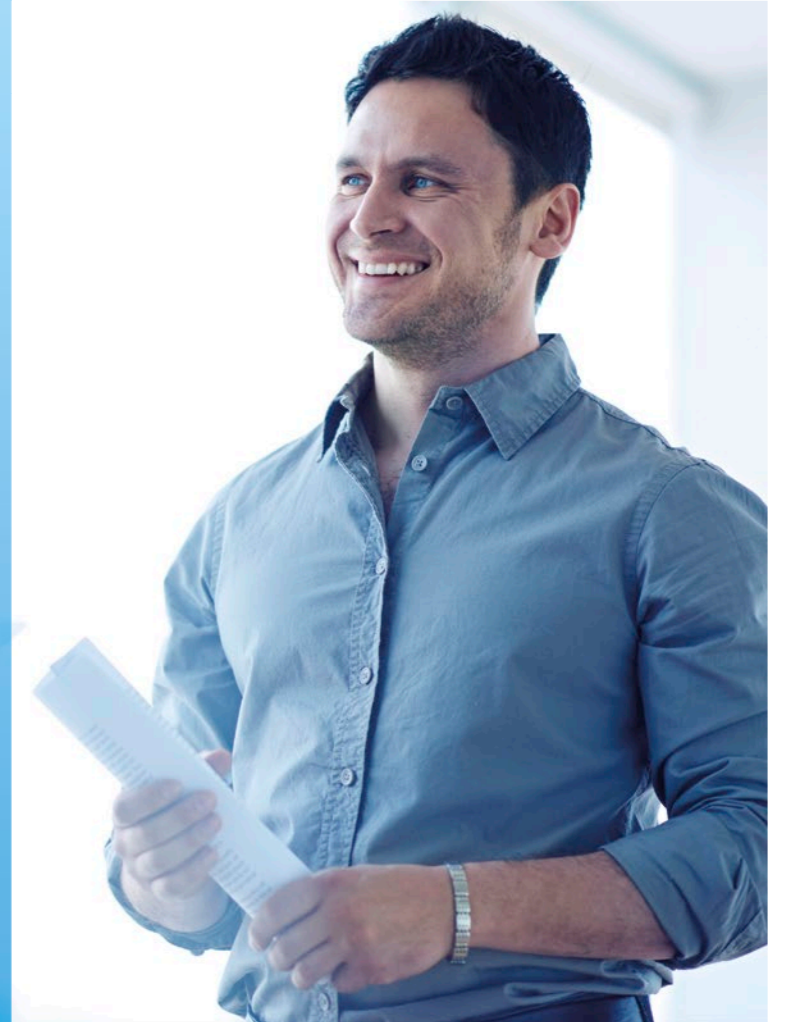
Split sections for transport within the site
The compact dimensions of TopMaster simplify transport through narrow doorways. eQ Top is always delivered divisible on a common base frame. The sections of the air handling unit are separated using bolts. The cables are fitted with quick connectors.



FAST AND EASY SELECTION WITH ACON

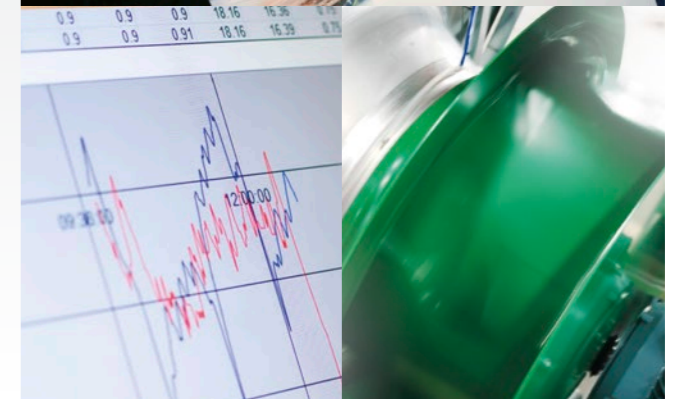
ACON is a powerful and easy, web-based, product selection tool for air handling units. It offers rapid product selection to specific project requirements and provides you with all the up-to-date information you need.

- Product dimensions
- Noise data
- Energy Efficiency
- Life Cycle Cost
- Delivery time
- Dxf and Dwg files can be exported to CAD software
- Support for Autodesk's i-drop



Advantages at a glance

- Energy efficiency
- High performance
- Hygienic design
- Integrated control system
- Modularity/standard connections
- Service friendly
- Fast commissioning
- Short delivery times



We Bring Air to Life

Fläkt Woods is a global leader in air management. We specialize in the design and manufacturing of a wide range of air climate and air movement solutions. Our product brands such as SEMCO®, Econet®, Veloduct®, Optivent®, and Cleanvent® are well-known and trusted by customers all over the world to deliver Air Comfort and Fire Safety.

Our collective experience is unrivalled. We are constantly aiming to provide systems that precisely deliver required function and performance, as well as maximum energy efficiency.



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