



## F400 roof-mounted extract fans with high efficiency EC Technology motor



Vertical  
extraction



Horizontal  
extraction

## CVT/EC CHT/EC



**F400  
certification with  
EC Technology  
motor according  
to the standard  
EN 12101-3**



Fire mode in the  
event of a fire



Energy efficiency



High  
performance



Built-in electronics



Easy  
cleaning and  
maintenance





SODECA offers solutions for industrial ventilation, smoke exhaust, staircase pressurisation, tunnel ventilation and improved indoor air quality

SODECA has grown by seeking out the best path, always innovating and offering the best customer service, while respecting the environment and remaining committed to energy savings. It would therefore like to be a part of the change and focus on a sustainable model.



The environmental management system of the production plant at SODECA's headquarters has **ISO 14001 certification from Bureau Veritas**, thereby endorsing our environmental performance and the continuous improvement derived from activities targeted at mitigating any impact on the environment. At SODECA, sustainable solutions are integrated in its business strategy, which means producing with clean energy, reducing emissions and working to decrease waste generation.



## Efficient solutions for smoke extraction and exhaust in the event of fire

Centrifugal roof-mounted extract fans with high efficiency, EC Technology motors and F400 certification for being installed on any type of roof.



### Dual functionality

This equipment can be used for a dual purpose. High energy efficiency extraction and, in the event of fire, exhausting smoke of up to 400 °C for 120 minutes. It is an efficient system that does not require the duplication of ducts or ventilation units.



### Energy savings

EC Technology motors with IE5 efficiency minimise consumption by adjusting their speed to the real demand of the environment, thereby reducing the energy cost, reducing maintenance and extending their useful life.



### Comfort and noise reduction

The exterior location of this equipment improves comfort by minimising noise and optimising the interior space of a building.



### Heat and humidity control

Efficient extraction to prevent over-heating, condensation and damage to materials, thereby protecting the structure of a building and the health of people.



### Easy cleaning and maintenance

Equipment designed so that the interior of the unit can be easily accessed and so that unobstructed cleaning and maintenance tasks can be performed.



CVT/EC and CHT/EC roof-mounted extract fans are suitable not only for extraction, with high energy efficiency, but also for smoke exhaust in the event of fire.

Solutions with a dual functionality  
**EC Technology motor and F400 certification**



**EC Technology  
motor**



**F400  
certification**



The power of the fan is automatically adjusted according to the needs of the environment, thereby optimising performance, minimising energy consumption and reducing noise levels.



### **EC Technology motor control**

Adjustable power according to:

- Humidity
- CO<sub>2</sub> concentration
- Temperature
- Volatile organic compounds

**The fan's power  
control represents a  
savings of 70%**



### **High performance**

High performance extraction and IE5 maximum energy efficiency.



### **Built-in electronics**

The EC Technology motor has built-in electronics, which enables it to be directly compatible with regulation sensors without the need for an additional variable frequency drive.



### **Certifications**

The efficiency of the EC Technology motors facilitates obtaining sustainable building certifications such as BREEAM® and LEED.

## F400 certification in case of fire



EC Technology  
motor



F400  
certification



### Fire Mode

In case of fire, the Fire Mode is automatically activated. Any power regulation is cancelled and the motor works at its maximum capacity to extract smoke quickly and safely.



**Equipment approved**  
in accordance  
with standard  
EN 12101-3



### Emergency ventilation

In case of fire, the emergency ventilation is activated for rapid smoke extraction. Contributing to safety and facilitating the evacuation of occupants.



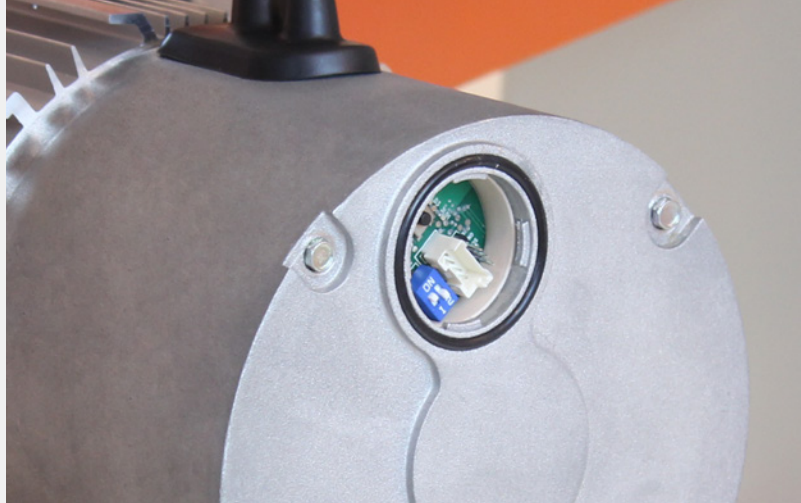
### Approval

Fire resistance of 400 °C/2h. Approved according to standard EN 12101-3 with certificate No. 0370-CPR-7365



## With built-in electronics

- EC Technology motor
- Compatible with temperature humidity, VOC or CO<sub>2</sub> sensors
- IE5 maximum energy efficiency



### Easy to clean

Quick access to the interior of the unit by opening the rain cover, which facilitates cleaning and maintenance tasks.

### CVT/EC



### Cooling

Motor outside of the ventilation flow, cooled by exterior air.



### High durability

Highly durable housing and support base that are resistant to corrosion.

**F400 roof-mounted extract fans with high efficiency EC Technology motor.**

**Energy savings of 70%**

### CHT/EC



### Prevents water entry

Aluminium rain deflector cover that prevents water entry.



### Protective grille

Bird guard to prevent damage and possible obstructions.



Support for roof-mounting







## Energy efficiency and sustainability

SODECA has developed a strategy that centres on reducing our carbon footprint, waste and environmental impacts through the use of new technologies that allow making more efficient use of natural resources.

SODECA fans are outstanding for their high energy efficiency, which makes them an efficient solution for optimising energy consumption, reducing operating costs and minimising the carbon footprint.



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