

# TOPVEX SF03 HWL

Item no. 39398

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## Description

- **6 sizes covering the airflow range of 150 to 4500 m<sup>3</sup>/h**
- **Low energy use**
  - Energy efficient plug fan with EC motor
- **Integrated/pre-programmed control system**
  - Built in week program with a year-based holiday schedule
  - Efficient energy saving functions
- **Stepless fan control**
  - Duct pressure- control, VAV, available as accessory
- **Large inspection doors for easy service and maintenance**
  - Easy access of main components and electrical box facilitates commissioning and service
- **Manufactured in Aluzinc plated sheet metal (AZ185)**
  - Corrosive class C4 (Industrial and coastal areas with moderate salinity)
  - AZ185 sheet metal has more than 50 years of technical lifetime
- **Prepared for control of external cold water or DX cooling coil**
- **Prepared for control of a separate extract EC-fan**
- **Factory tested**



Topvex SF is a series of efficient supply air handling units designed for ventilating petrol stations, shops, offices and other smaller premises. The units are easy to install and commissioning.

The units casing is made up from double skinned aluzinc sheet metal, AZ 185, with 50mm internal mineral sound/thermal insulation. The M5 bag filter with its large filter area ensures long time between filter changes and has a low pressure drop.

Topvex SF is available with Electrical reheater, in two different powers, for unit size SF02–SF06 or with hot water coil, also in two different powers, for unit size SF02 – SF12.

An easy accessible electrical box with all cable connections collected at one place facilitates commissioning and service.

The built-in and preconfigured control system simplifies the installation and commissioning of the unit. Topvex SF has a user friendly control system. With clear text (21 languages eligible) and a simple menu structure. A startup wizard secures that necessary settings will not be forgotten. With the integrated control system it is possible to supervise/control the fan speed, air temperatures and weekly operating time. Topvex SF has also other energy saving functions like free cooling, and season related temperatures and fan controlling. Switching between normal and reduced fan speed can be done by using CO<sub>2</sub>-, VOC-, humidity sensor or movement detector.

VAV, duct pressure control is available as accessory.

Topvex SF is as standard equipped with the following communication possibilities: Built-in web, Cloud, Modbus, BACnet and Exoline. LON available as accessory.

E-tool configuration tool. E tool© is a PC-based configuration software with graphical user interface. The program gives you an excellent overview of the Corrigio E settings. Using E tool© , all settings can be made on the computer and downloaded into the controller. An infinite number of configurations can be stored in the computer memory for later use. E tool© can be downloaded free of charge from: <http://www.regincontrols.com/sv-SE/artikel/e-tool-ventilation/e-tool-ventilation-34-1-24/2917/23669/23318/#breadcrumbs>

## Ordering code.

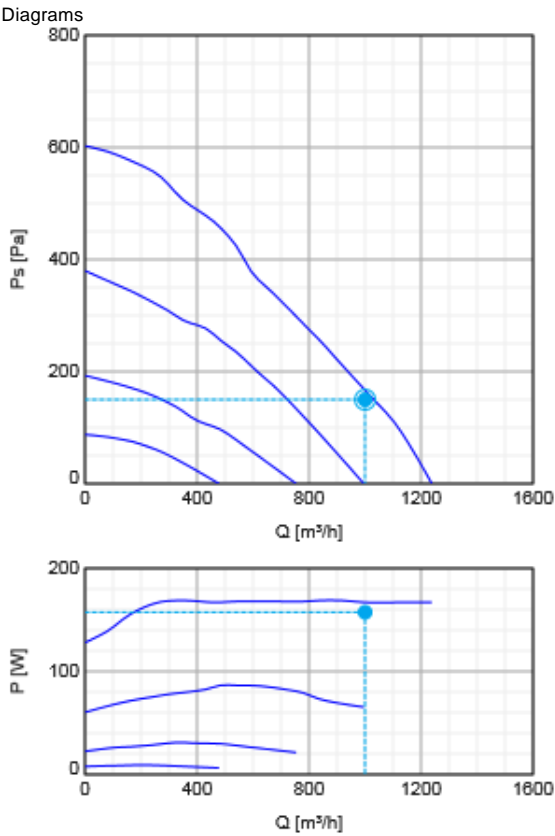
- **Model:** **SF** (Supply air handling unit)
- **Size:** **02, 03, 04, 06, 08 and 12** (02 ≈ 0,2m<sup>3</sup>/s nominal airflow).
- **Heating coil:** **EL** (Electric, two powers to choose between). Available for sizes SF02-SF06.  
**HWL** (Hot water coil-low power).Available for sizes SF02 to SF12.  
**HWH** (Hot water coil-high power). Available for sizes SF02 to SF12.
- **Airflow control (accessories):** **VAV** (Variable air volume = constant duct pressure control).

## Technical parameters

Unit		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Recommended fuse	10	A
Airflow range	216..1170	m <sup>3</sup> /h
Enclosure class	IP23	IP
Weight	58,8	kg
Heater		

Heating type	Water	
Supply fan		
Voltage	230	V
Phase	1	~
Current	1,19	A
Input power (P1)	169	W
Fan impeller speed	2466	r.p.m.
Supply filter		
Filter class	M5	
Sound data		
Sound pressure level at 3 m (20m² Sabine)	48,6	dB(A)

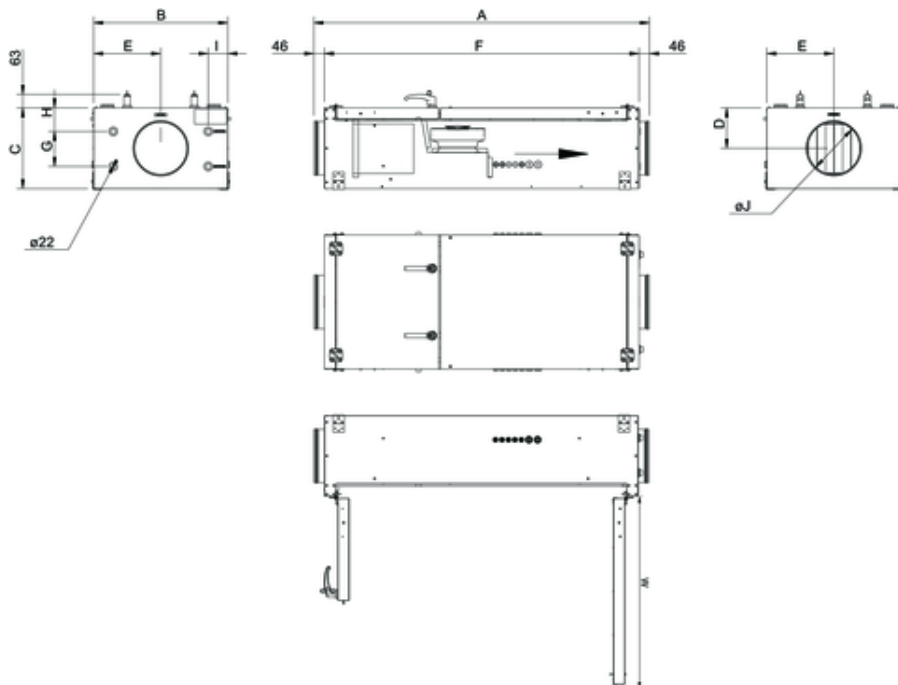
Performance



<b>User</b>		
Unit		
<input type="radio"/> Air Flow	1000	m³/h
<input type="radio"/> Static pressure	150	Pa
<input checked="" type="radio"/> Air Flow	1000	m³/h
<input checked="" type="radio"/> Static pressure	150	Pa
<input checked="" type="radio"/> Power	157	W
SFP	0.563	kW/m³/s
Voltage	230	V

Sound power level		63	125	250	500	1k	2k	4k	8k	Tot
Inlet	dB(A)	54	54	71	63	61	58	54	54	73
Outlet	dB(A)	46	56	68	69	70	71	65	65	76
Surrounding	dB(A)	28	40	53	47	42	40	32	34	55

## Dimensions



	A	B	C	D	E	F	G	H	I	øJ	W
Topvex SF02	1463	557	321	161	278	1366	150	88	92	200	844
Topvex SF03	1550	619	373	187	310	1454	162	109	92	250	893

## Accessories

### Electric accessories


VAV Duct pressure control (124197)  
 Touch panel S-ED-TOUCH (208998)  
 Corrigo LON module CLM15 (209555)  
 T 120 Timer (5165)  
 F-T120 Timer frame (5137)  
 E0R230K- Corrigo Remote Displ. (27413)  
 Push button, impulse (9693)  
 CO2RT Wall Trans 0-2000 ppm (13704)  
 Systemair-1 CO2 duct sensor (14906)  
 UG3-A4O Smoke detector (15043)  
 TG-R5/PT1000 Room sensor 0-50° (5404)  
 CO2RT-R-D Transmitter (6993)  
 TG-KH/PT1000 Duct sensor (202705)  
 Presence detector/IR24-PC (7288)  
 Systemair-E CO2 sensor (14904)  
 TG-UH/PT1000 Wall sensor (35203)  
 Systemair-1M CO2 duct sensor (14908)  
 RVAZ4 24A Actuator 0-10V (9862)  
 Room Controller S-ED-RU-DFO (27989)


### Accessories


ASF 250/KB Flex. connection (2716)  
 LDC 250-900 Silencer (5196)  
 CWK 315-3-2.5 Duct cooler,circ (30025)  
 ITA 250 Intake grid TA (8422)  
 EFD 250 Damper + LF24 motor (203915)


## Specification text

## Documentation

 Topvex\_SF\_Installation\_instruction\_130324\_CE\_EN.pdf (4,77MB)

 Topvex\_SF\_Operating \_maintenance\_130323\_EN.pdf (4,11MB)

 WD Topvex SF02-03 HW.pdf (629,85kB)

 Wiring chart Topvex SF 02-12.pdf (331,02kB)