

Topvex SF12 HWL

Item Number: 39410

Variant: 400V 3N~ 50Hz

- 6 sizes covering the airflow range of 150 to 5000 m3/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 CO₂-, 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 Corrigo 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: www.regincontrols.com

Ordering code.

- Model: SF

(

S

upply

F

at air handling unit)

- Size: 02, 03, 04, 06, 08 and 12

(02 ≈ 0,2m³/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		
Frequency	50	Hz
Voltage (nominal)	400	V
Phase(s)	3N~	
Recommended fuse	3x10 A	
Enclosure class	IP23	
Speed regulation	Stepless	
Air flow	; 1,080; to ; 5,400;	m ³ /h
Product type	Supply unit	

Supply fan		
Voltage	400	V
Phase(s)	3~	
Current	2	A
Input power (P1), supply fan	1,289	W
Impeller speed	2,003	r.p.m.

Supply air filter		
Filter class, supply air	ePM10 60%	

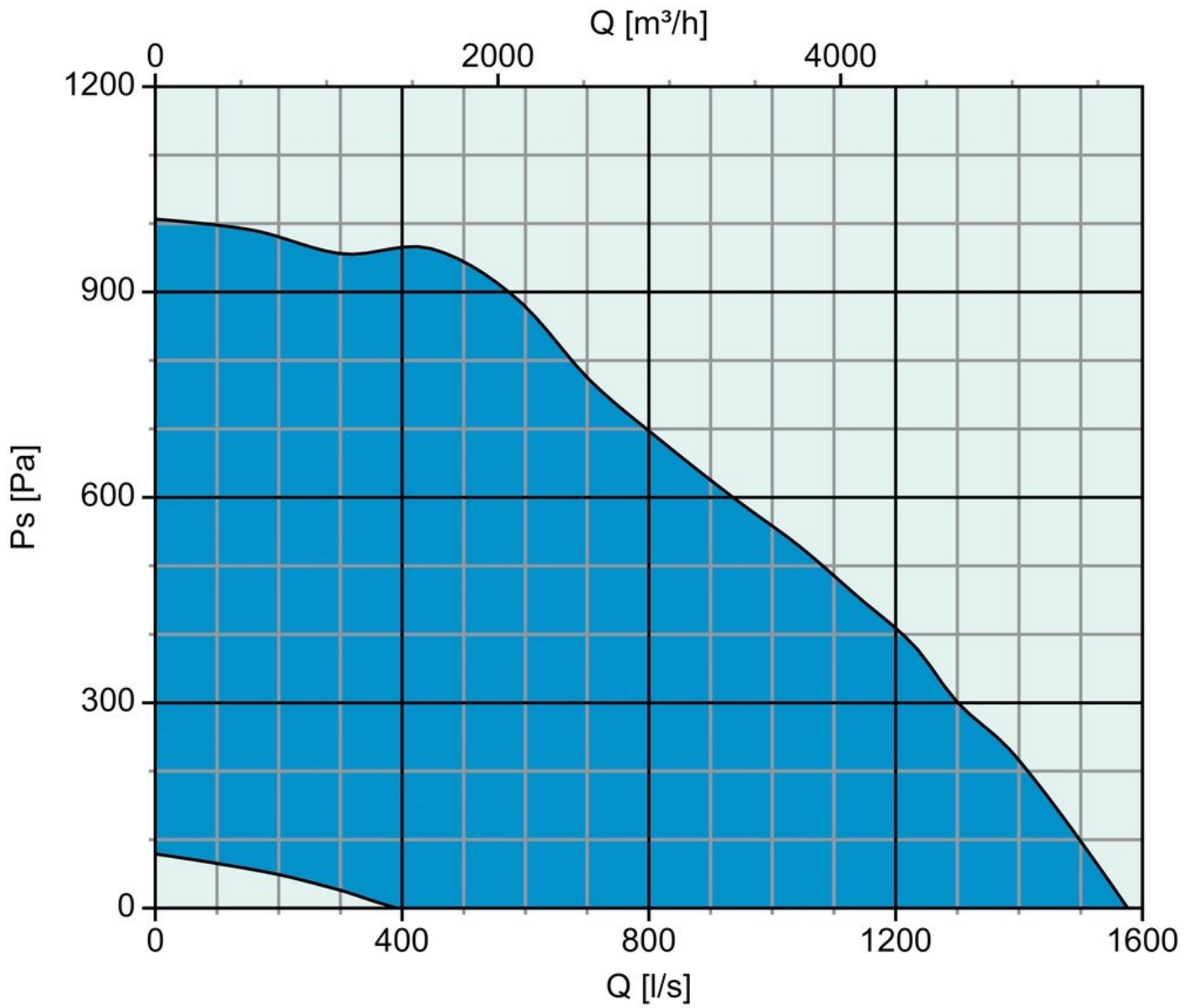
Others		
Chassis size	12	

Dimensions and weights		
Weight	106.9	kg

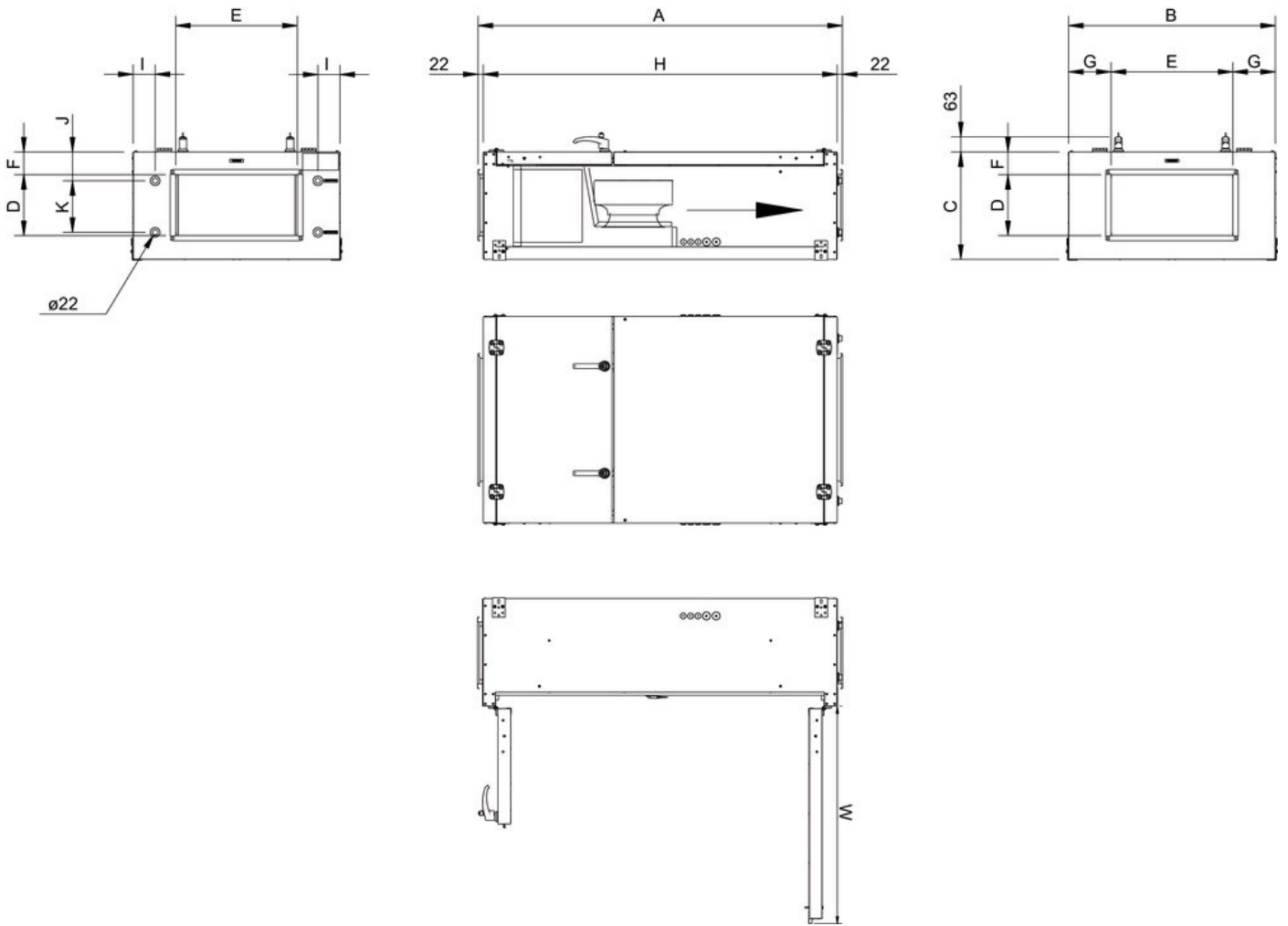
Sound data		
Sound pressure level at 3m (20m ² Sabin)	61	dB(A)

ErP		
ErP ready	ErP 2018	

Supply



Dimension



	A	B	C	D	E	F	G	H	I	J	K	W
Topvex SF04	1497	749	373	200	400	89	175	1454	90	109	162	894
Topvex SF06	1497	849	441	250	500	94	175	1454	91	119	212	894
Topvex SF08	1497	903	545	300	600	125	152	1454	90	145	262	894
Topvex SF12	1546	1011	545	400	700	74	152	1503	92	94	362	894

Ecodesign

Product	
Trade name	Systemair
Product name	Topvex SF12
Ecodesign	
ErP compliance	2018
Unit category	NRVU
Drive	Integrated VSD
Unit type	UVU
Heat recovery type	None
Temperature ratio (UVU)	Not applicable
qv nom	0.652 m ³ /s
P nom	0.529 kW
Ps nom	300 Pa
Fan efficiency	50.1 %
External Leakage	2 %
Sound power level LWA	64 dB(A)

Accessories

- CO2RT-R-D Transmitter (6993)
- Systemair-1 CO2 duct sensor (14906)
- Systemair-E CO2 sensor (14904)
- TG-AH1/PT1000 Contact Sensor (7899)
- TG-UH/PT1000 Wall sensor (35203)
- DXRE 80-50-3-2,5 Duct cooler (7958)
- PGK 80-50-3-2,0 Duct cooler (6619)
- BFT SF12 Filter ePM1 60% (209850)
- Control panel S-ED-TOUCH (208998)
- F-T120 Timer frame (5137)
- LDR-B 70-40 Silencer, baffle (9450)
- Push button, impulse (9693)
- RVAZ4 24A Actuator 0-10V (9862)
- Safety switch OTP16T4M 4-pole (213044)
- UG3-A4O Smoke detector (15043)
- ZTV 20-4,0 2-way valve (9826)
- Presence detector/IR24-PC (7288)
- Systemair-1M CO2 duct sensor (14908)
- T 120 Timer (5165)
- TG-R5/PT1000 Room sensor 0-50° (5404)
- DS 70-40 Flexible connection (1551)
- LDR 70-40 Silencer (5074)
- BFT SF12 Filter Coarse 50% (209849)
- BFT SF12 Filter ePM10 60% (209833)
- E0R230K- Corrigo Remote Displ. (27413)
- ITA 70-40 Intake grid (8497)
- ODS Topvex SF12 (133705)
- Room Controller S-ED-RU-DFO (27989)
- Safety switch OTP16T3M 3-pole (213042)
- TG-KH/PT1000 Duct sensor (202705)
- ZTR 20-4,0 valve 3-way (9678)

Documents

- TOPVEX_SF_INSTALLATION_INSTRUCTION_130324_CE_EN_A004.PDF
- TOPVEX_SF_OPERATING_MAINTENANCE_130323_EN_A002.PDF
- Topvex SF12.dxf
- Eurovent Certification Diploma Topvex
- COMMISSIONING_RECORD_EN_206951_(A008)_FORM.PDF
- CORRIGO_E_VENTILATION_VARIABLES_FOR_EXOLINE_AND_MODBUS_3.6_MANU_EN.PDF
- Wiring Diagram + chart Topvex SF12 HW 400V 3N~_rev.B.pdf