



SOKÓŁ

Smoke and heat exhaust fan



SEF – Smoke and heat exhaust fan

- Two fire protection classes:
F400 (400°C/2h); F300 (300°C/1h)
- Airflow up to 135 000 m³/h
- Engine power 0.75 kW – 45 kW (90 kW)
- The device can operate in dual-function mode (fire and normal ventilation)



Certified in accordance with the following standards:
EN 12101-3:2002 and EN 12101-3:2002/AC:2005



FAN SELECTION
SOFTWARE

Fan selection software available soon!

Available for explosive atmospheres EX
(class up to F400°C/2h according to EN 12101-3).



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Rotor types

- One direction rotor (airflow from the rotor to the engine)
- Reversible rotor

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Housing

- Diameters range: DNØ 450 – 1250 mm
- Fan housing with inspection opening for the motor
- Epoxy powder coating

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Motor

- Modular motor-rotor unit
- Rotor made of aluminium, with variable pitch
- Standard asynchronous cage motor
- Ingress Protection Rating of the housing: IP55
- Insulation class: H
- Standard supply voltage: 230/400 V, 50 Hz (for three-phase motors up to 5.5 hp and 400/690 V, 50 Hz for more powerful motors)
- Rated power: 0.75 – 45 kW
- Rotational speed: 923 – 2945 revolutions per minute

Application

Smoke and heat exhaust fans with an axial rotor are designed for removing smoke, fumes and heat outside the building during a fire. The devices facilitate rescue and fire fighting actions and improve the safety of people and property in all kinds of facilities. They also prevent the spread of smoke and fire into fire-free zones. SOKÓŁ fans can be also used as air extraction and air supply fans in normal ventilation systems. The devices are also suitable for smoke ventilation in explosive atmosphere areas. All fans are adapted for working with an inverter.

Two fan types:

- with a single-speed motor
- with a two-speed motor

Two housing lengths



SEFL – long



SEFS – short

Ask a question about the product: zapytania@smay.eu