

18E2.2 Electric Positive Pressure Fan



The **TYPHOON 18E2.2 positive pressure fan** is a high-performance solution designed for smoke extraction and ventilation in indoor environments. Equipped **with a 2.2 kW, 230 V electric motor**, it operates without fuel and produces no direct exhaust emissions, making it particularly well-suited for buildings, technical facilities, and workshops.

Compact, portable, and easy to set up, it meets the needs of fire departments, industrial sites, infrastructure operators, commercial facilities, and maintenance crews requiring powerful ventilation powered by a standard electrical supply.

A solution for ventilating indoor spaces

Mounted on wheels, the **TYPHOON 18E2.2** can be quickly deployed and positioned in front of a door, bay, or ventilation opening. It is suitable for homes, apartment buildings, control rooms, workshops, parking garages, mechanical rooms, and industrial buildings with a standard electrical outlet.

Its **457 mm (18")** size, compliant with **DIN 14963-EM—size class 1**—delivers an airflow of **14,000 m³/h**, which can reach up to **20,000 m³/h** depending on operating conditions. Its adjustable tilt range of **-20° to +50°** allows the airflow to be precisely directed toward the opening to be ventilated.

An electric motor suitable for extended operations

Unlike a thermal fan, this model does not directly produce exhaust gases and requires no fuel storage. This design improves operating conditions during indoor operations, particularly in occupied buildings, mechanical rooms, or areas where emissions from a combustion engine must be avoided.

Its fixed-speed electric motor ensures smooth operation as long as a suitable **230 V** power supply is available. Its wheeled base and weight of **24.6 kg** make it easy to move and position as close as possible to the area to be ventilated.

Technical Specifications

Technical Specifications – TYPHOON 18E2.2 Positive Pressure Fan	
Product Type	Electric positive pressure fan
Model	TYPHOON 18E2.2
Drive	Fixed-speed electric motor
Power Supply	230 V
Motor power	2.2 kW
Airflow	14,000 m ³ /h, up to 20,000 m ³ /h depending on operating conditions
Weight	24.6 kg
Nominal diameter	18" / 457 mm
Tilt	From -20° to +50°
Specified standard	DIN 14963-EM – Size Class 1
Mobility	Wheel-mounted
Typical applications	Indoor smoke extraction, ventilation of technical rooms, workshops, and industrial buildings

Applications

- Smoke extraction from residential homes, apartment buildings, and commercial buildings;
- Temporary ventilation of technical rooms and control rooms;
- air exchange in workshops with an electrical supply;
- Ventilation of parking garages, basements, and interior spaces;
- removal of smoke, odors, or stale air following a service call or maintenance operation;
- extended operations requiring ventilation without direct exhaust gas emissions.

FAQ – TYPHOON 18E2.2 Positive Pressure Fan

Why choose an electric fan over a combustion-powered model?

An electric fan does not require fuel and does not directly produce exhaust gases. It is therefore particularly well-suited for indoor operations, occupied buildings, and extended operations where a mains power supply is available.

Is this fan intended solely for fire departments?

No. It also meets the needs of industry and building operators: ventilation of workshops, air exchange in technical rooms, control rooms, parking garages, basements, and maintenance areas.

What is the purpose of the adjustable tilt range from -20° to +50°?

The tilt allows the airflow to be precisely directed based on the height and configuration of the opening. Proper

adjustment improves ventilation efficiency and minimizes air leakage around the door or opening.

What are the main advantages for an industrial site?

This fan combines **high airflow**, **portability**, and **fuel-free operation**. It is an ideal solution for sites seeking reliable equipment that is easy to position and suitable for extended indoor use.