

21E2.2 Electric Positive Pressure Fan



The **TYPHOON 21E2.2 positive-pressure fan** is a high-performance solution designed for smoke extraction and ventilation in medium- to large-sized indoor spaces. Equipped with a **2.2 kW, 230 V electric motor**, it operates without fuel and produces no direct exhaust emissions.

More powerful than the TYPHOON 18E2.2 while retaining an easy-to-use electric motor, it meets the needs of fire departments, industrial sites, building operators, and maintenance teams seeking high airflow for indoor operations.

A premium solution for ventilating large indoor spaces

Mounted on wheels, the **TYPHOON 21E2.2** moves easily around the site and can be positioned in front of a door, bay window, or ventilation opening. It is suitable for large homes, workshops, halls, utility rooms, and industrial buildings with access to mains power.

Its **21" / 533 mm** size, compliant with **DIN 14963-EM** standard —**size class 2**—delivers an airflow of **15,000 m³/h**. Weighing **30 kg**, it remains highly portable while offering greater ventilation capacity than the 18" electric model.

An electric motor designed for extended use

Unlike a thermal fan, this model requires no fuel and produces no direct exhaust emissions. This design makes it particularly well-suited for operations carried out in buildings, workshops, and facilities where emissions from a combustion engine must be avoided.

Its **2.2 kW** electric motor operates at a fixed speed of **3,000 rpm** when powered by a **230 V / 50 Hz** power supply. Its **IP64** rating and **IP68-rated** power plug make it suitable for use in demanding work environments, provided the site's electrical requirements are met.

Adjustable tilt for precise airflow direction

The TYPHOON 21E2.2 has a tilt range of **-20° to +50°**. This adjustment allows the direction adapted to the height, shape, and position of the opening used for ventilation.

Proper fan positioning helps create an air cone that effectively covers the opening, minimizes airflow losses, and improves the performance of the positive-pressure ventilation system.

Technical Specifications

Technical Specifications – TYPHOON 21E2.2 Positive Pressure Fan	
Product Type	Electric positive-pressure fan
Model	TYPHOON 21E2.2
Motor	Fixed-speed electric motor
Power Supply	230 V / 50 Hz
Motor power	2.2 kW
Motor speed	3,000 rpm
Air flow rate	15,000 m³/h
Weight	30 kg
Nominal diameter	21" / 533 mm
Tilt	From -20° to +50°
Motor protection rating	IP64
Connection	Power cord with 230 V IP68 plug
Specified standard	DIN 14963-EM – Size Class 2
Mobility	Wheel-mounted
Typical applications	Smoke extraction from indoor spaces; ventilation of workshops, halls, and industrial facilities

Applications

- Smoke extraction from homes, apartment buildings, and medium- to large-sized buildings;
- Temporary ventilation of workshops, halls, and industrial facilities;
- air renewal in technical rooms and maintenance areas;
- Removal of smoke, odors, or stale air following a work intervention;
- extended ventilation of buildings with a suitable power supply;
- operations requiring a higher airflow rate than that of a compact 18" electric fan.

FAQ – TYPHOON 21E2.2 Positive Pressure Fan

What is the difference between the TYPHOON 21E2.2 and the TYPHOON 18E2.2?

The TYPHOON 21E2.2 has a diameter of 21" and delivers an airflow of 15,000 m³/h. It is designed for larger spaces, while the 18E2.2 model offers a more compact design that is easier to position in tight spaces.

What power supply is required to operate this fan?

The fan requires a single-phase **230 V / 50 Hz** power supply capable of handling **2.2 kW**. The electrical installation, any extension cords, and protective devices must be suitable for the motor's power rating and the operating conditions.

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

The tilt allows the airflow to be directed according to the height and configuration of the opening. Proper adjustment facilitates coverage of the door or bay and improves ventilation efficiency.

What are the main advantages for an industrial site?

This fan combines **high airflow**, **no fuel requirements**, and **mobility on wheels**. It is an ideal solution for sites seeking reliable electric equipment to ventilate large workshops, halls, and technical rooms.