

30E Electric Positive Pressure Ventilator?



The **TYPHOON 30E positive-pressure fan** is a high-performance electric solution designed for smoke extraction and ventilation in large spaces requiring precise control of airflow. Equipped with a **3 kW, 230 V electric motor paired with a built-in variable-frequency drive**, it allows the ventilation power to be gradually adjusted to meet the needs of each operation.

Its large-capacity design makes it a viable alternative to thermal fans for sites with suitable electrical infrastructure. Powerful, adjustable, and with no direct exhaust emissions, it meets the needs of fire departments, fire stations, industrial operators, and maintenance crews working in large buildings.

A premium solution for electric ventilation of large spaces

Mounted on wheels, the **TYPHOON 30E3.0-FU** can be moved and positioned as close as possible to the area requiring ventilation. It is suitable for hangars, warehouses, industrial halls, parking garages, large workshops, and facilities with a sufficiently rated electrical supply.

Compliant with the **DIN 14963-EM** standard —**size class 3**—it delivers an adjustable airflow rate of **0 to 25,000 m³/h**, which can exceed **38,000 m³/h** depending on operating conditions. Weighing **35 kg**, it remains sufficiently portable for field operations despite its large-capacity design.

A 3-kW variable-speed electric motor

Unlike a thermal fan, this model requires no fuel and does not directly produce exhaust gases. It is therefore a suitable solution for extended operations inside buildings, provided there is an electrical power supply compatible with its power rating.

Its **3 kW, 230 V electric motor** is paired with a built-in variable-frequency drive. The user can gradually increase or decrease the fan speed to adjust the airflow to the volume of the space, the size of the opening, and the site's operational constraints.

Adjustable Airflow for Controlled Ventilation

Adjusting the airflow allows ventilation to be tailored to each phase of the operation. A moderate airflow can be used to gradually refresh the air in a room, while operating at full power enables faster treatment of large volumes or significant smoke emissions.

This flexibility minimizes the risk of excessive pressure buildup, reduces unnecessary turbulence, and allows the same equipment to be used in various industrial or operational settings.

Technical Specifications

Technical Specifications – TYPHOON 30E Positive Pressure Fan	
Product Type	High-capacity, variable-speed electric positive-pressure fan
Model	TYPHOON 30E
Motor	230 V electric motor with integrated variable-frequency drive
Motor Power	3 kW
Speed Control	Variable speed via frequency converter
Airflow	Adjustable from 0 to 25,000 m³/h, up to over 38,000 m³/h depending on operating conditions
Weight	35 kg
Nominal diameter	30" / 762 mm
Connection	Power cable with 230 V IP68 plug
Specified standard	DIN 14963-EM – Size Class 3
Mobility	Wheel-mounted
Configuration	To be determined based on site requirements and available electrical infrastructure
Typical Applications	Smoke extraction and adjustable ventilation for hangars, warehouses, halls, and large industrial buildings

Applications

- Smoke exhaust for hangars, warehouses, and large industrial buildings.
- Ventilation of halls, workshops, and production areas.
- Air renewal in parking garages and covered facilities.
- Ventilation of large spaces requiring adjustable airflow.
- Extended operations without direct exhaust emissions.
- Electric alternative to a thermal fan when site infrastructure permits.

FAQ – TYPHOON 30E Positive Pressure Fan

What electrical infrastructure is required?

The fan requires a **230 V** power supply compatible with its **3 kW** motor. The circuit capacity, electrical protections, extension cords, and connection conditions must be verified based on the site's installation.

What is the benefit of the variable frequency drive (VFD)?

The variable frequency drive allows for gradual adjustment of the motor speed and airflow. It prevents the fan from always operating at maximum power and makes it easier to adapt the fan to the volume, opening size, and constraints of the application.

Is this fan completely silent when operating?

No. The electric motor and the movement of a large volume of air inevitably produce noise. However, this model avoids the noise associated with a combustion engine and can provide a more comfortable working environment during extended operations.

Why does the configuration need to be validated before placing an order?

Power supply, connection requirements, and ventilation needs can vary by site. A preliminary assessment allows us to verify the system's compatibility and determine the configuration best suited to the intended use.

What are the main advantages for an industrial site?

This fan combines **high airflow**, **precise power control**, and **the absence of direct exhaust emissions**. It is a suitable solution for sites with sufficient electrical infrastructure that need to ventilate large volumes with precise control over the airflow.