

ATEX 18Ex1.5-FU Electric Positive Pressure Fan



The **TYPHOON 18Ex1.5-FU positive-pressure fan** is an electric solution designed for ventilating industrial environments where there is a risk of an explosive atmosphere. Its **1.5 kW** Ex-rated motor, combined with a variable-frequency drive, allows for gradual adjustment of the airflow up to **22,500 m³/h**.

Compact and portable, it meets the needs of industrial sites, maintenance teams, and safety departments that need to ventilate a utility room, confined space, or sensitive process area without using an internal combustion engine or hydraulic power.

A premium solution for ventilating areas

The **TYPHOON 18Ex1.5-FU** is mounted on a mobile chassis, making it easy to move and position in front of an opening. Its **18" / 457 mm** size keeps the footprint compact while providing ventilation capacity suitable for typical industrial spaces.

Its adjustable tilt range of **-20° to +50°** allows the airflow to be precisely directed toward a door, a hatch, a lower-level room, or an elevated opening. It can thus be integrated into various operational configurations without requiring additional handling steps.

Adjustable airflow to suit site conditions

The variable-frequency drive allows the fan speed to be adjusted gradually. The operator can thus adjust the airflow rate based on the volume to be treated, the size of the openings, and the desired level of air exchange.

This flexibility eliminates the need to operate at full power at all times and facilitates control of the airflow during ventilation, purging, or air-renewal operations.

An electric motor suitable for sensitive environments

The fan is equipped with an Ex-rated **230/400 V, 50 Hz, 1.5 kW** motor. Its **II 2G Ex h IIB T4 Gb X** marking

indicates that it is intended for use in potentially explosive atmospheres, provided that zoning requirements, site procedures, and the manufacturer's specified conditions are followed.

The frequency converter features an **EX II (2) GD-certified** safe shutdown system and an **IP65** protection rating. The **15-meter** power cable provides considerable flexibility in positioning within industrial facilities.

User Benefits

- **Design adapted to the environment**, for operations in sensitive industrial areas.
- **Adjustable airflow up to 22,500 m³/h**, depending on actual ventilation needs.
- **1.5 kW electric motor**, requiring no fuel or hydraulic power.
- **Compact 18" size**, suitable for service access points and standard-sized spaces.
- **Tilt range from -20° to +50°** for precise airflow direction.
- **15-meter cable**, facilitating remote power supply placement.

Technical Specifications

Technical Specifications – TYPHOON 18EEx1.5-FU	
Product Type	Variable-speed electric positive-pressure fan
Model	TYPHOON 18EEx1.5-FU
Nominal Diameter	18" / 457 mm
Motor	Ex-rated electric motor, 230/400 V, 50 Hz
Motor power	1.5 kW
Airflow	Adjustable from 0 to 22,500 m³/h
Marking	II 2G Ex h IIB T4 Gb X
Frequency converter	Smooth speed control with EX II (2) GD-certified safe shutdown
Drive protection	IP65
Cable length	15 m
Tilt	Adjustable from -20° to +50°
Fan weight	32 kg
Fan dimensions	550 × 480 × 450 mm
Mobility	Wheeled frame with carrying handle
Standard	DIN 14963-EM-ex

Applications

- Ventilation of technical rooms and classified process areas.
- Air exchange prior to inspection or maintenance operations.
- Ventilation of tanks, pits, ductwork, and moderately sized confined spaces.
- Removal of contaminated air at chemical, petrochemical, and energy sites.

- Temporary ventilation of sensitive areas with a compatible power supply.

FAQ – TYPHOON 18EEx1.5-FU Fan

Why does the TYPHOON 18EEx1.5-FU have a frequency converter?

The frequency converter allows the fan speed and airflow to be gradually adjusted to the room's configuration. This prevents the fan from always running at full power and improves ventilation control.

What type of power supply is required?

The fan is equipped with an Ex-rated motor compatible with a **230/400 V, 50 Hz** power supply. The electrical installation, protective measures, and connections must be verified in accordance with the requirements of the site and the specific area.

When should you choose the 18" model over a 21" or 30" model?

The 18" model is suitable for standard-sized spaces, narrower access points, and operations requiring compact, easily movable equipment. The 21" and 30" models are better suited for medium-sized or large spaces.

Can the fan be used for exhaust ventilation?

The TYPHOON 18EEx1.5-FU is primarily designed for supply ventilation. Use for exhaust ventilation requires compatible equipment and accessories, as well as validation of the configuration in accordance with the site's zoning and procedures.