

21AF.1 Battery-Powered Positive Pressure Ventilator



The **TYPHOON 21AF.1 positive-pressure fan** is a battery-powered solution designed for operations requiring immediate deployment—without electrical cables, fuel, or a hydraulic power source. Its 1,000 W DC motor delivers an airflow of **12,000 m³/h** to quickly ventilate buildings, utility rooms, and work areas.

Powered by a removable 48 V lithium-ion battery, it offers an operating time ranging from **60 minutes to 12 hours**, depending on the selected speed setting. Supplied with its charger, it is a solution particularly well-suited for fire departments and industrial sites seeking mobile, quiet, and immediately available equipment.

Self-contained ventilation that's immediately operational

The **TYPHOON 21AF.1** can be deployed without unrolling cables, starting a generator, or setting up a water supply. Once the battery is installed, its quick startup allows positive-pressure ventilation operations to begin immediately.

This self-contained design makes it easy to use in buildings without accessible power outlets, at remote sites, or in areas where cables on the ground could hinder responders' movement.

Autonomy Adaptable to Ventilation Needs

The 48 V lithium-ion battery provides a runtime ranging from **1 hour at full power to up to 12 hours at reduced power**. This allows the operator to adjust the fan's performance to the duration and intensity of the operation.

A full recharge takes approximately **3 hours** using the included charger. An 8 A fast charger and an additional battery can also be used to increase equipment availability during extended or consecutive operations.

Exceptionally Versatile Positioning

Its adjustable tilt range from **-90° to +90°** allows the airflow to be precisely directed toward an opening, a stairwell, a basement, or an elevated area. This range also facilitates its use for horizontal, vertical, or downward ventilation.

The fan is mounted on a fixed frame equipped with a carrying handle. Weighing **25** offers a good balance between stability, power, and operational mobility.

kg

Benefits for the User

- **Fully autonomous operation**, requiring no electrical cable, fuel, or water supply.
- **Airflow rate of 12,000 m³/h**, suitable for rapid positive-pressure ventilation operations.
- **Adjustable runtime from 60 minutes to 12 hours** depending on the speed setting.
- **Removable 48 V lithium-ion battery**, making it easy to replace in the field.
- **Charger included**; fully charges in approximately 3 hours.
- **Tilt range from -90° to +90°**, for precise airflow direction.
- **No exhaust emissions, which** is particularly beneficial for operations near buildings.

Technical Specifications

Technical Specifications – TYPHOON 21AF.1 Fan	
Product Type	Battery-powered positive-pressure fan
Model	TYPHOON 21AF.1
Nominal diameter	21" / 530 mm
Motor	1,000 W DC electric motor
Voltage	48 V
Maximum motor speed	3,000 rpm
Airflow	12,000 m ³ /h
Battery	Removable 48 V lithium-ion battery
Runtime	From 60 minutes to 12 hours, depending on the operating mode used
Charging time	Approximately 3 hours with the included charger
Charger included	100–230 V AC / 48 V, 4 A
Weight	25 kg with battery
Tilt	Adjustable from -90° to +90°
Mounting	Fixed frame with carrying handle
Available accessories	8 A fast charger and replacement battery

Applications

- Positive-pressure ventilation during firefighting operations.
- Smoke extraction from residential buildings, commercial spaces, workshops, and utility rooms.
- Temporary ventilation of sites without an accessible power supply.
- Rapid response operations in basements, stairwells, and hard-to-access buildings.
- Equipment for vehicles without a generator.
- Temporary industrial ventilation without exhaust gases or cables on the ground.

FAQ – TYPHOON 21AF.1 Positive Pressure Fan

What is the actual runtime of the TYPHOON 21AF.1?

Operating time varies depending on the speed setting: approximately 60 minutes at full power and up to 12 hours at reduced speed.

Can the battery be replaced during an operation?

Yes. The 48 V lithium-ion battery is removable. Using a spare battery allows you to extend the operation without waiting for the first one to recharge.

Is the charger included with the fan?

Yes. The TYPHOON 21AF.1 comes with a 100–230 V AC / 48 V, 4 A charger. An 8 A fast charger is also available as an option.

What is the purpose of the adjustable tilt range from -90° to +90°?

It allows you to direct the airflow toward an elevated opening, a staircase, a basement, or a lower-level area without having to completely reposition the fan.