

MXOne

High-Performance Firefighting Turbine

Innovative fire protection using highly efficient water mist from a safe distance

The high-performance Minimax extinguishing turbine MXOne represents a new generation of firefighting systems. It enables highly efficient, precise and targeted suppression from a significant and safe distance. The turbine achieves a large discharge range thanks to the adjustable jet pipe, even when using a foam agent.

In the event of a fire, the generated water mist absorbs a huge amount of energy, cools particularly effectively and reaches hidden fire sources thanks to the encompassing characteristics of mist suppression. It binds flue gases, pollutants and odors, and is able to act rapidly over large areas. In contrast to classic monitors, which work with a bundled jet, the soft water discharge of this turbine prevents the burning material from dispersing, which could lead to a further spreading of fire.

Typical application areas:

- Recycling companies
- Wood processing plants
- Chemical plants and refineries
- Airports and hangars
- Substations and transformers
- Disaster control (e.g. fire protection for wooded areas)

Advantages at a glance

- 4-in-1 solution: Firefighting, cooling, flue gas suppression, smoke extraction
- Spray pattern and extinguishing media can be specifically adapted to the fire scenario
- Rapid firefighting and ambient cooling through sophisticated water mist technology
- Proven effectiveness in full-scale fire trials (liquid/plastic waste/wood fires) confirmed by independent approval bodies
- Depending on mode, automatic or manual precision targeting for distances up to 80m
- User-friendly and safe operation by remote control
- Hydraulically optimized design enables integration into existing extinguishing systems
- Possible to extract smoke from buildings or areas with strong blowers



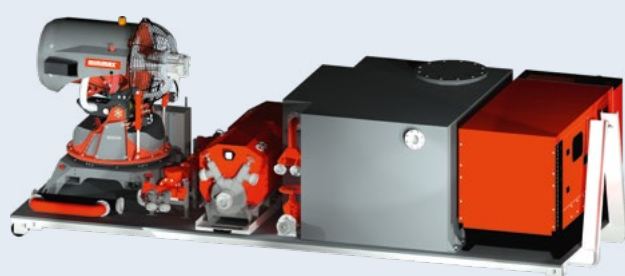
Characteristics	EU Version	US Version
Length/Width/Height	1,590/1,390/1,942mm	63/55/77in
Weight	945kg	2,083lbs
Temperature range	-15 up to + 55°C	+5 up to +131°F
Maximum air flow	31,000m³/h	1,094,754ft³/h
Propeller power	12.5kW at 2,950rpm	12.5kW at 2,950rpm
Power infeed supply	400VAC/50Hz/32A	480VAC/60Hz/27A
Operating pressure	4 up to 16bar	58 up to 232psi
Maximum flow rate	4,000l/min	1,057US gpm
Discharge range	80 m at 9.2bar	262ft at 133psi
Tilting angle	-19° up to + 43°	-19° up to + 43°
Rotation angle	360° (-180°/+180°)	360° (-180°/+180°)
Water infeed connection	DN125	5in
Nozzles at nozzle ring	20	20
LED lighting	2 x 3,000 lumen	2 x 3,000 lumen
Extinguishing agent	water or salt water optional with foam additive (also fluor-free)	

Various Modes of Operation

The MXOne can specifically target a fire source automatically or manually via remote control using IR cameras and industrial fire detector technology. Depending on local conditions, it can be mounted stationary on the ground or elevated on a platform.



Mobile variant on trailer: The trailer variant has electricity and water supply connections, allowing maximum mobility and flexibility. It can be positioned quickly and connected to local power and water supplies to provide reliable fire protection in almost any company.



Ready-to-use variant on a platform: The flat-rack variant – suitable for vehicles with off-loading function or for container transportation – is equipped with its own electricity and water supply, enabling immediate fire-fighting with the MXOne directly on site.