

SUPERVAC



Unmanned Misting Turbines



AREAS OF APPLICATION

- › Commercial Buildings
- › Oil and Gas
- › Wildland Urban Interface
- › Tunnels and Subways
- › Parking Structures






THE ULTIMATE UNMANNED MISTING TURBINE

Introducing Super Vac's Mobile TAF60X and Turntable MFT35H Firefighting Fans




It's no secret — mist is an efficient cooling and extinguishing agent. However, distributing mist long distances to keep firefighters safe has always been a challenge. Until now. Introducing Super Vac's large-scale unmanned misting turbine by EmiControls, which atomizes water and extinguishing foam into a fine mist before propelling up to 300 feet with Quadrijet nozzles and turbine propeller. EmiControls advanced remote control adds another 1,000 feet of distance from the firefighting hazard, making these turbines the most ultimate unmanned firefighting fans on the market. Available in the mobile TAF60X model or a turntable MFT35H design.



Water Features

- **40 Turbine-Ring Quadrijet Nozzles:** Provides up to 400 gpm of water and features a choice of different nozzle heads
- **Powerful Turbine Propeller:** Combines 25kW power with a polymer propeller to deliver a 35,000 cfm output
- **Integrated Standard Akron Nozzles:** Features Akron nozzles (or your brand of choice), producing up to 1,200 gpm that can be propelled up to 300 ft. with remote adjustable pattern

Remote Features

- **Maneuverable Design:** Turbine tilts down 19° and up 43°, while the turntable features of 362° of rotation; the design also fits into parking garages as low as 80" while having the ability to raise an additional 67".
- **TAF60X Crawler Tracks:** Navigate harsh terrain, 30° inclines and 15° traverse with this mobile unit's 71HP Kubota diesel engine
- **EmiControls Remote Operation:** Features remote control operation, allowing the turbine to be "unmanned" up to 1,000 feet to help keep firefighters safe



DUAL MISTERS



STRAIGHT STREAM



POWER CONE



POWER CONE + MISTER

Combining a turbine ring, powerful propeller and integrated nozzle, these unmanned misting turbines convert water into a powerful firefighting mist with 300-ft. reach.



See these misting turbines in action!





TRACKED



TRAILER



TRUCK

Specifications

Turntable MFT35H Turbine - H x W x D: 74" x 56" x 70" - 1,880 mm x 1,420 mm x 1,780 mm

Power	Weight	Water Flow	Throwing Distance	Maneuverability	Output
25kW Hydraulic Turbine Motor	1,750 lbs 790 kg	Mist: 400 gpm Full Flow: 950 gpm	Mist: 160 ft. Full Flow: 250 ft.	-19°/+43° tilt 13-ft. lift 362° rotation	35,000 cfm 60,000 cmh

Mobile TAF60X Turbine - H x W x D: 85" x 65" x 125" - 2,160 mm x 1,650 mm x 3,175 mm

Power	Weight	Water Flow	Throwing Distance	Maneuverability	Output
25kW Hydraulic Turbine Motor Kubota 71HP 14.gal. Diesel Engine (5.6 mph top speed)	8,885 lbs 4,040 kg	Mist: 400 gpm Full Flow: 1,500 gpm	Mist: 195 ft. Full Flow: 295 ft.	-22°/+40° tilt 13-ft. lift 360° rotation 58% (30") climbing ability 4.25 Tons traction force	35,000 cfm 60,000 cmh

Optional Features



Forklift: Allows the TAF60X to clear obstacles and providing up to 1,000 lbs. of lifting capability



Camera Kits: Provides two front and two rear cameras (Kit 1) or thermal imaging capabilities (Kit 2) to detect hazards and fire source



Six Ground-Sweep Nozzles: Uses a portion of the extinguishing water to cool the surrounding area for self-protection



Railway Kit: Retrofits the TAF60X with foldable rail wheels for maneuverability in tunnels or subways



Web-Based GPS: Allows crews to track the turbine's unmanned operation while defining zones of action and monitoring maintenance needs



Center Monitor Control: Rotates center monitor up to 17° degrees in either direction independently of the turbine direction, allowing maximum coverage



Remote-Controlled Winch: Features 130 ft. of steel winch cable for pulling and recovering obstructions; hydraulic driven



Air Ducting Hose: Provides Class 1 ducting to ventilate confined spaces and other hard-to-reach areas



Custom Nozzle Selection: Retrofits with most nozzle manufacturers

Super Vac-Manufactured Truck, Flatbed, Skid Unit or Custom Trailer: Gives departments the ability to customize mounting options for turbine transport



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