

MAGIRUS AIRCORE MFT35-H TURBINE FFVEHICLE



SERVING HEROES. SINCE 1864.



AIRCORE MFT35-H TURBINE FF VEHICLE TECHNICAL DATA

VEHICLE FIGURES

/ Chassis	IVECO Daily 55S17 / 18 W, 4x4 (EURO V / VI)
/ Engine power	125 kW (170 HP) / 132kW (180 HP)
/ Wheel base	3,400 mm
/ Cabin	1 + 2
/ Gross vehicle weight	5,500 kg

TURBINE FIGURES

/ Power	25 kW (shaft power)
/ Operational pressure water	max. 16 bar
/ Water flow	
- Mode for fine water mist (nozzle head and -ring)	from 0 to 1,500 l/min
- Mode for high water flow (monitor and nozzle ring)	from 0 to 3,500 l/min at 16 bar from 0 to 3,000 l/min at 13 bar
/ Monitor spray pattern	adjustable with remote control
/ Flow rate	stepwise adjustable
/ Angle of inclination / -rotation	-19° - 43° / > 360°
/ Water supply	4 x Storz B
/ Throwing distance in fine water mist mode	up to 60 m
/ Throwing distance in high flow rate mode	up to 80 m
/ Airflow infinitely adjustable	60,000 m ³ /h (*) / 105,000 m ³ /h

* Net air flow rate through the turbine. The value has not been determined, according to Amca or ULH fair process, which also takes the turbine's external air flow into account. This leads to much greater results, up to 105,000 m³/h.

CONCEPT

- / Fire-fighting turbine for nebulization of high amounts of water
- / Variable spray patterns, two separately controlled water circles
- / Suitable for nebulization of water, foam, retarder and gel additives
- / Compact dimensions
- / Mobile extinguishing and ventilation device
- / Integrated water supply system

ADVANTAGES AND BENEFITS

- / Very efficient for big fires and big surface, especially liquids fires, due to high extinguishing efficiency of the aerosol turbine
- / Very effective in case of complex building structures
- / Binding of gasses and smoke, improving visibility and safety
- / Much faster heat absorption compared to other methods
- / Gentle application of water/water-foam mix on liquid fires
- / Easy and safe in use
- / Maintenance friendly
- / Flexibility in manoeuvrability
- / Rotatable and tiltable turbine

OPTIONS

- / Air tubes
- / Cameras (FLIR, colour)
- / Covers
- / Lifting device
- / Water-/Foam tank
- / Light mast
- / Remote control
- / Concept also available on other, suitable chassis types and brands



Fine water mist nozzle



Central monitor nozzle



Fine water mist nozzle head



Turbine shovel

Illustrations may include additional options. We reserve the right to make technical changes or improvements at any time without prior notice. Errors and omissions excepted.

MAGIRUS GmbH • Graf-Arco-Straße 30 • 89079 Ulm • Germany
www.magirusgroup.com • magirus@cnhind.com