

MAGIRUS TAF20 TURBINE AIDED FIREFIGHTING

MAGIRUS
powered by **EMI**
CONTROLS



SERVING HEROES. SINCE 1864.

MAGIRUS

TAF20 TURBINE AIDED FIREFIGHTING TECHNICAL DATA

VEHICLE FIGURES

/ Speed - 1. Gear	0 - 3,6 km/h
- 2. Gear	0 - 9 km/h
/ Gross vehicle weight	3.800 kg
/ Engine	65 HP water-cooled
/ Fuel tank	75l
/ Autonomy at full load operation	5-7h
/ Gradeability (max)	58 % (30°)
/ Lateral inclination (max)	27 % (15°)
/ Pulling power	3,8 t (3.800 daN)
/ Noise level (LpA at 10m safety distance)	84 dB(A)
/ Remote control	up to 500 m with graphical display

TURBINE FIGURES

/ Power	25 kW (shaft power)
/ Operational pressure water	max. 16 bar
/ Water flow	
- Mode for fine water mist (nozzle head)	from 0 to 1.500 l/min
- Mode for high water flow rate (monitor)	from 0 to 3.500 l/min
/ Monitor spray pattern	adjustable with remote control
/ Flow rate	gradually adjustable
/ Angle of inclination	-20° bis 50°
/ Water supply	4 x Storz B
/ Throwing distance with fine water mist (nozzle head)	up to 60 m
/ Throwing distance with monitor	up to 80 m
/ Airflow infinitely adjustable	60.000 m ³ /h (*)

*Net air flow rate through the turbine. The value has not been determined, according Amca or ULH fair process, which take into account the turbine external air promotion and thus bring much greater results.

CONCEPT

- / Fire-fighting turbine for nebulization of high amounts of water without any effort of high pressure
- / Entirely remote controlled, running ahead in danger zones
- / Variable spray patterns
- / Suitable for nebulization of water, foam, retarder and gel additive
- / Front shield clears the way of obstacles

FEATURES / ADVANTAGES / BENEFITS

- / Very efficient for big fires and big surface, especially liquids fires, due to high extinguishing efficiency of the aerosol turbine
- / Environment effect in 3D-fires
- / Binding of gasses and smoke, improving visibility and safety
- / Much faster heat absorption compared to current methods
- / Easy and safe in use
- / Maintenance friendly
- / Flexibility in manoeuvrability
- / Lifiable and tiltable turbine

OPTIONS

- / Railway driving system
- / Hydr. winch
- / Air tubes
- / Camera (FLIR, colour)
- / Recording system
- / Displaying monitor and W-LAN transmission
- / Hydraulic connections in front for alternative use of oil
- / NATO- fail start device
- / Covers
- / Trailer

DETAILED VIEWS



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.

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