

MAGIRUS AIRCORE TAF35 FIREFIGHTING ROBOT

MAGIRUS
powered by **EMI**
CONTROLS



SERVING HEROES. SINCE 1864.

MAGIRUS

AIRCORE TAF35 FIREFIGHTING ROBOT TECHNICAL DATA

VEHICLE FIGURES

/ Speed	0 - 9 km/h
/ Gross vehicle weight	3,900 kg
/ Engine (Diesel)	53 kW (71 HP) water-cooled Tier 4, Stage III B, Step 4
/ Fuel tank	75 l
/ Autonomy at full load operation	5-7 h
/ 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 distance	up to 300 m
/ Dimensions (LxWxH)	approx. 3,000 x 1,650 x 2,200 mm

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 4,700 l/min at 16 bar from 0 to 4,000 l/min at 13 bar
/ Monitor spray pattern	adjustable with remote control
/ Flow rate	stepwise adjustable
/ Angle of inclination	-22° - 47°
/ Water supply	4 x Storz B
/ Throwing distance in fine water mist mode	up to 60 m
/ Throwing distance in highly 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

- / Firefighting turbine for nebulization of high amounts of water without the use of high pressure
- / Entirely remote controlled, running ahead in danger zones
- / Variable spray patterns, two separately remote controlled water circles
- / Suitable for nebulization of water, foam, retarder and gel additives
- / Robust front shield clears the way of obstacles
- / Hydraulic coupling for external consumers
- / NATO jumpstart facility

ADVANTAGES AND BENEFITS

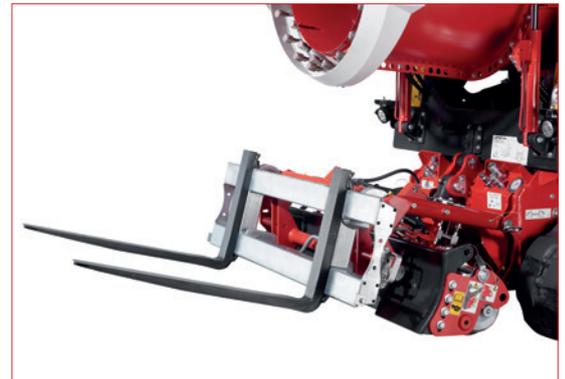
- / Very efficient for big fires and big surfaces, especially liquid fires, due to high extinguishing efficiency of the aerosol turbine
- / Very effective in case of complex building structures
- / Binding of gasses and smoke, improving visibility and safety
- / High cooling efficiency due to bigger, nebulized water quantity
- / Much faster heat absorption compared to conventional methods
- / Easy and safe in use
- / Flexibility in manoeuvrability
- / Lifiable and tiltable turbine
- / Gentle application of water/water-foam-mix on liquid fires
- / Maintenance friendly layout of all components

OPTIONS

- / Railway driving system
- / Hydraulic winch
- / Air tubes in different lengths
- / Cameras (FLIR, colour)
- / Data recording and transmission systems
- / Lifting forks attached to the front shield
- / Self protection system
- / EURO adapter frame
- / Different nozzle options available
- / Suitable trailer solutions including covers



Remote control with a range of up to 300 m



Lifting forks attached to the front shield



Lifiable and tiltable turbine

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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