

MAGIRUS AIRCORE TAF60 FIRE-FIGHTING ROBOT



SERVING HEROES. SINCE 1864.

 **MAGIRUS**

AIRCORE TAF60 FIRE-FIGHTING ROBOT TECHNICAL SPECIFICATIONS

CHASSIS DATA

/ Speed	0 - 9 km/h
/ Weight	3,900 kg
/ Engine (Diesel)	53 kW (71 HP) water-cooled Tier 4, Stage III B, Step 4
/ Diesel tank	52 l
/ Autonomous operation with full load	5 h
/ Gradeability performance (max.)	58 % (30°)
/ Lateral inclination (max.)	27 % (15°)
/ Pulling power	3.8 t (3,800 daN)
/ Noise level (LpA bei 10 m safety distance)	84 dB(A)
/ Dimensions (l x w x h)	ca. 3,000 x 1,650 x 1,990 mm

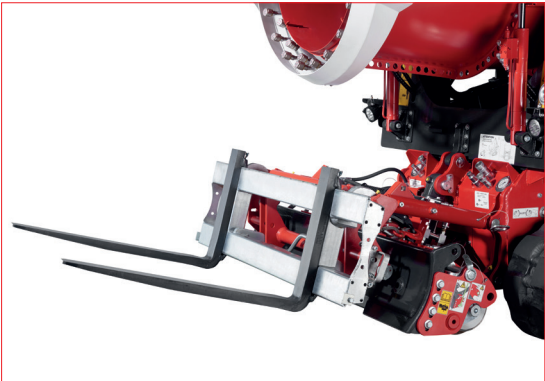


Remote control distance of up to 300 m

TURBINE DATA

/ Power	25 kW (shaft power)
/ Operational water pressure	max. 16 bar
/ Water flow	stepwise adjustable
- Mode for nebulised water (nozzle head & ring)	from 0 to 1,500 l/min
- Mode for high water flow	from 0 to 6,000 l/min
/ Monitor spray pattern	adjustable with remote control
/ Water supply	6x Storz B
/ Throw. distance with fine nebulised water (nozzle head)	up to 60 m
/ Throw. distance with monitor	up to 80 m
/ Air flow infinitely adjustable	60,000 m³/h (*) / 105,000 m³/h
/ Angle of inclination	-22° to 39°

* Net air flow through turbine. This value was not determined using the Amca or ULH measuring method, which also takes the turbine's external air flow into account and thus leads to considerably higher measurement results (up to 105,000 m³/h).



Lifting forks attached to the front shield

CONCEPT AND EQUIPMENT

- / Fire-fighting turbine for nebulising large quantities of water without high pressure
- / Separate water filters for nozzle ring and in central nozzle head
- / Fully remote-controlled, drives ahead in danger zones
- / Variable spray patterns with flexibly adjustable water flow rate
- / Suitable for nebulising water, foam, retarder and gel additives
- / Robust front shield clears obstacles from path
- / Hydraulic couplings for external consumers

ADVANTAGES AND BENEFITS

- / High extinguishing efficiency of the aerosol turbine with min. water/foam consumption
- / Very efficient cooling due to larger quantities of nebulised water
- / Gentle foam application for liquid fires
- / Very efficient technology for fighting large fires and liquid fires in particular
- / Ambient effect for complex building structures
- / Binding of gases and smoke improves visibility and increases safety
- / Highly effective in cases of pollutant precipitation
- / Much faster heat absorption compared to conventional methods
- / Intuitive and safe operation
- / Maintenance-friendly set-up of components

OPTIONS

- / Central monitor, laterally swiveable
- / Different nozzle options
- / Self-protection system
- / Air tubes in different lengths
- / Track driving system
- / Lifting forks
- / Hydraulic winch
- / Cameras (FLIR, colour)
- / Data recording and transmission systems
- / EURO adapter frame
- / Suitable transportation trailer including cover



Liftable and tiltable turbine