

MAGIRUS TLF AIRCORE TURBINE-AIDED FF VEHICLE



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# TLF AIRCORE TURBINE-AIDED FF VEHICLE TECHNICAL DATA

## CONCEPT

/ Chassis	Iveco Eurocargo FF150-32WS, Euro V1d, HI-SCR with passive DPF regeneration
/ Engine Power	235 kW (320 HP)
/ Gearbox	Manual gearbox
/ Wheel base	3,690 mm
/ Dimensions (L x W x H)	7,000 x 2,500 x 3,400 mm
/ Drivers crew compartment	1+2
/ Superstructure	Magirus AluFire3 technology
/ Fire-fighting centrifugal pump capacity	Magirus FPN 10-3000
/ Water tank	3,000 liters + 300 liters for self protection
/ Foam tank	200 liters



Maximum throwing distances & high penetration depths

## TURBINE FIGURES

/ Power	25 kW (shaft power)
/ Operational pressure water	max. 16 bar
/ Water flow	infinitely variable
- Mode for fine water mist (nozzle head and 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
/ Flow rate	stepwise adjustable
/ Angle of inclination / rotation	-19° bis 43° / 360°
/ Throwing distance in fine water mist mode (nozzle head)	up to 60 m
/ Throwing distance in high flow rate mode	up to 80 m
/ Airflow infinitely adjustable	60,000 m³/h (*) / 105,000 m³/h
/ Scissor lift table with turbine	can be lifted up to 800 mm
/ Additional, autonomous turret	up to 2,000 l/min

\* 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.



High ground clearance of 390 mm with single tyres



Additional turret for AirCore MFT60-H turbine

## ADVANTAGES AND EQUIPMENT

- / New type of mobile vehicle adopts and further develops established, field-tested forest fire-fighting solutions from countries such as France and Italy
- / Combines the proven AirCore technology (on a lifting device) with a 3,500 litre extinguishing agents and a particularly off-road capable chassis
- / Scissor lift table with approx. 800 mm lift to extend the turbine's operating area
- / Variable equipment room system Magirus AluFire3 for optimal, individual adjustments
- / Optimised geometry and position of water tank for a low centre of gravity and balanced weight distribution
- / Magirus CaddiSys NetzMix foam proportioning system
- / Magirus HMI control panel for easy and intuitive operation
- / Magirus Operator remote control unit for mobile control of the turbine
- / Folding underride protection to increase rear overhang angle

## OPTIONS

- / Trailer to increase extinguishing capacity (operate autonomously for up to 20 minutes)
- / Winch
- / Gearbox variants incl. fully automatic transmission, ADM system
- / Ground spray nozzles on front and rear axle, self-protection system for the driver's cab
- / Heat-protection for relevant pipes
- / Additional pipes to turbine for external supply of extinguishing water
- / High-pressure pump, diverse proportioning systems on request
- / Comprehensive ambient lighting and headlight systems, rear view camera
- / Wide range of additional equipment and options available



Remote control within a distance of up to 300 m

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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