

Forest firefighting vehicle Magirus TLF 3000-W

TLF 3000-W

Climate change is increasingly bringing new demands to the fire department. Vegetation fires are increasing in severity and number, placing particularly high demands on people and equipment for more and more fire departments.

Often, the operational locations are difficult to access, water sources are not available or hardly accessible and the permanent unpredictability of the fires, poses an additional danger. Magirus has developed the TLF 3000-W in order to meet these increasing, particularly high demands with a compact pump water fire-fighting vehicle and to provide maximum technical relief for the emergency services.

The Magirus TLF 3000-W has been developed both for fighting vegetation fires and for providing firefighting water, thus combining the off-road capability of a forest fire-fighting vehicle with the suitability of a standard tanker pumper vehicle. The combination of maneuverability and off-road characteristics with high ground clearance and yet low center of gravity, which are essential for fighting forest fires, on the one hand, and the requirements of a standard tanker fire-fighting vehicle on the other hand, particularly distinguish the TLF 3000-W and make it the ideal tanker fire-fighting vehicle for increasingly multiple requirements. The TLF 3000-W complies with DIN 14530-22 and is therefore eligible for subsidies in most German states.

The TLF 3000-W has ground spray nozzles, the cab has a branch protection cage with integrated self-protection nozzles and a roof hatch. An additional breathing air supply with up to four connection options is provided inside the cab.

Despite the compact design, the Magirus AluFire 3 superstructure system provides space for all necessary equipment. All technical solutions result from the requirements and experience gained in real operations. The best and quickest accessibility of equipment and fittings are designed to significantly reduce the workload of the emergency services for maximum focus on firefighting.

Technical specifications

Characteristics of the test vehicle:

- Chassis: Iveco FF 150 E 32 WS / IG 150 EW 2CA
- Construction: Magirus
- Body type: AluFire AF3, Bull construction

Technical specifications:

- Engine: in-line 6-cylinder diesel engine

- Drive: all-wheel drive, 4x4
- Gearbox: 6-speed manual gearbox - ZF 6S 1000
- Length/width/height: 6840/2500/3264 mm
- Wheelbase: 3,690 mm
- Front/rear approach angle: 34°

Centrifugal fire pump:

- Type: FPN 10-2000
- Manufacturer: Magirus
- Flow: 2,000 l/min at 10 bar
- Special features: pump and roller operation, C outlet under pressure at the front

Extinguishing media:

- Water: 3,000 l, plus 300 l for the self-protection system
- Foam concentrate: 200 l

Other characteristics:

- Crew: 2 people
- Power: 235 kW / 320 PS / 316 HP
- Volume (cm³): 6,728
- Allowed total weight (kg): 14,100



