



FIRE - TRUCK MANUFACTURERS

TEMAX ULF-5000/500/500

fire fighting vehicle
on Mercedes Benz 1829 Axor



Vehicle type: TEMAX fire fighting vehicle ULF-5000/500/500

Main vehicle data:

Chassis:

Mercedes Benz 1829 Axor (4X2) with:

- 2-door standard cab with 1+2 seating
- hydraulic steering with adjustable steering wheel
- diesel engine, 210 kW (286 HP) @ 2200 rpm, 1120 Nm @ 1200-1600 rpm
- 9-speed manual gearbox
- differential lock on rear axle
- 315/80R22,5 tires
- 150L fuel tank
- 28V/80A alternator
- 2x12V/165Ah batteries
- full air brakes with ABS

Superstructure:



Design: Modular, with front equipment locker, full width water tank and rear pump locker

Construction material: Heavy duty locker frame made from welded stainless steel profiles, paneled with 2mm thick aluminum sheets. Fully walkable roof paneled with 3/4,5mm thick chequered aluminum sheets. Locker floors paneled with 3mm aluminum sheets. Galvanized, welded steel subframe.



Equipment:

- Spring loaded aluminum roller shutters on all lockers
- Automatically activated interior locker lights upon opening a roller shutter with warning indicator in cab
- Swing out shelves and special brackets for all fire fighting and rescue equipment

Water tank:

5000L capacity, made from stainless steel 316L, 4mm thick. Equipped with:

- 500mm dia. manhole,
- overflow and vent system,
- baffles,
- 2 x 2-1/2" filling inlets with valves and couplings mounted at vehicle sides,
- suction sump with drain valve and filter to pump suction intake,
- level indicator (sender),
- backup level indicator with clear PVC tube and isolation valve

Foam tank:

500L capacity, integrated in the water tank. Equipped with:

- manhole 500mm dia.,
- overflow and vent system,
- baffles,
- 24VDC foam filling pump,
- drain valve and supply to the foam proportioner,
- level indicator (sender),
- backup level indicator with clear PVC tube and isolation valve

**Roof monitor:**

Rear roof mounted, manually operated monitor via means of handlevers, rated for 800-2400L/min @ 10bar, equipped with:

- air aspirated foam tube
- spotlights for night operations
- control panel

Monitor rotation: 360 deg

Monitor depression/elevation: -15 to +70 deg

**Fire pump:**

Rear mounted, PTO driven multi-stage centrifugal pump suitable for high and normal pressure, rated for 5500L/min @ 10bar and 400L/min @ 40bar, equipped with:

- automatic primer,
- around-the-pump, foam proportioning system 3%+6%,
- 4 x 2-1/2" normal pressure outlets at rear with valves and couplings,
- one normal pressure outlet to feed the roof monitor,
- one normal pressure outlet for tank filling via the pump,
- one high pressure outlet to feed the hose reel,
- complete control panel

**Hose reel:**

One, axially fed high pressure hose reel, equipped with 60m non collapsible high pressure rubber hose, 25mm dia. and high pressure fog gun, rated for 210L/min @ 40bar. Equipped with manual and electric rewind.

Dry powder installation:

PLA500 dry powder installation with manual activation, installed inside the front locker, complete with:

- 500kg steel container, filled with BC, foam compatible dry powder
- 50L/200bar nitrogen cylinder
- spring loaded hose reel with 30m non collapsible 32mm dia. hose and pistol type nozzle rated for 5kg/sec
- front mounted, manually controlled roof monitor with adjustable nozzle 15-40kg/sec

Emergency lights and sound systems:

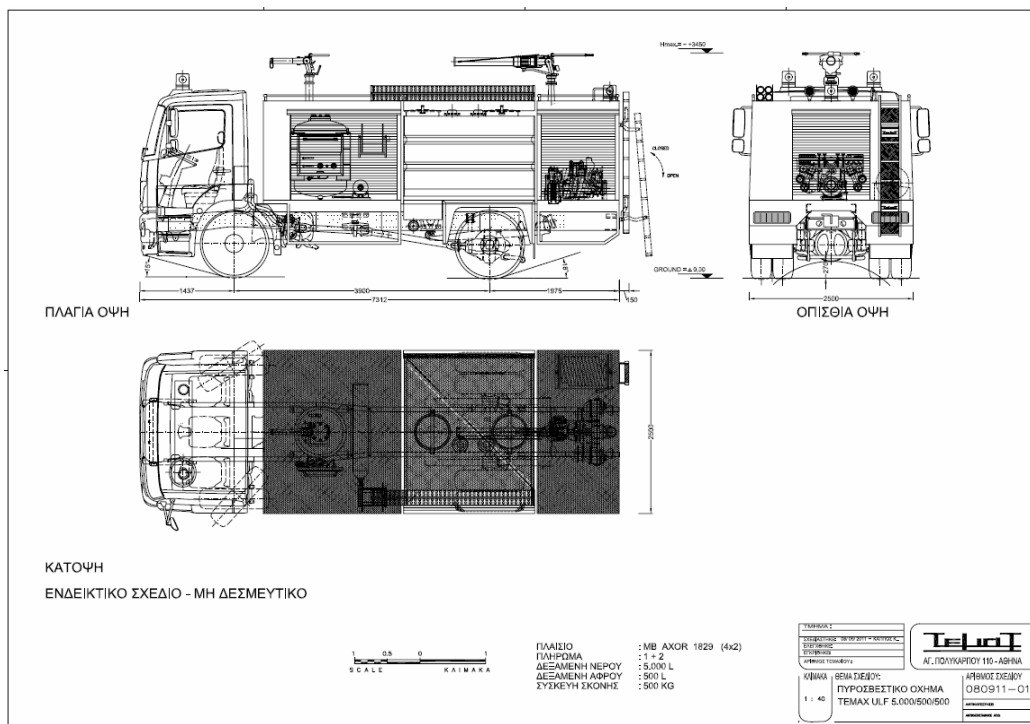
- one 100W electronic siren with microphone, with wail/yelp/hi-lo/air horn sounds and public address system
- two beacons mounted on cab roof, one beacon at rear roof
- reverse buzzer
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Fire fighting & rescue equipment:

- normal pressure collapsible fire hoses
- normal pressure nozzles
- dividers
- suction Siamese
- suction filter
- suction hoses
- powered chain saw
- portable fire extinguishers
- tool box
- 200mm spotlight, with extension tripod and cable drum
- 7m extendable ladder
- 4m ladder with hook

Overall vehicle dimensions:

length: 7500mm / width: 2500mm / height: 3450mm



Weights:

operational weight: 17150kg
gross vehicle weight rating: 19000kg
shipping weight: appx. 11000kg

Performance:

top speed: 110km/h
Gradeability: 60%

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An ISO 9001:2008 certified company



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