



FIRE - TRUCK MANUFACTURERS

TEMAX TLF-10000/500

fire fighting vehicle
on Mercedes Benz 2644 Actros 6x4



Vehicle type: TEMAX fire fighting vehicle TLF-10000/500

Main vehicle data:

Chassis: Mercedes Benz 2644 Actros 6x4 with:

- medium size 2-door cab with 1+2 seating
- hydraulic steering with adjustable steering wheel
- V6 diesel engine, 320 kW (435 HP) @ 1800 rpm, 2100 Nm @ 1080 rpm
- 16-speed Telligent® automatic gearbox
- differential lock
- 315/80R22,5 tires
- 300L 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 body 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.

Equipment:

- Spring loaded aluminum roller shutters on all lockers
- Swing out stepboards at all side mounted lockers with warning indicator in cab
- 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
- roof access ladder

Features:



Swing out shelves and special brackets



Water tank:

10000L capacity, made from stainless steel 316L, 4mm thick. Equipped with:

- 2 x 500mm dia. manholes,
- 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 made from 304 stainless steel, 3mm thick. 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



Fire pump:

Rear mounted, PTO driven multi-stage centrifugal pump suitable for normal pressure, rated for 3500L/min @ 10bar, equipped with:

- automatic primer,
- around-the-pump, foam proportioning system 3%+6%,
- 2 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,
- complete control panel



Roof monitor:

Electronically operated via joystick, controlled by the driver or co-driver, mounted on the cab roof, rated for 2000L/min @ 10bar, equipped with:

- adjustable nozzle from full jet to fog, suitable for water and AFFF
- spotlight for night operations
- Monitor rotation: 270 deg
- Monitor depression/elevation: -15 to +70 deg



Ground sweep nozzles:

six (6) ground sweep nozzles, one in front of each wheel, each rated for 50L/min @ 10bar

Emergency lights and sound systems:

- one 100W electronic siren with microphone, with wail/yelp/hi-lo/air horn sounds and public address system
- LED lightbar on cab roof, LED peripheral lights all around
- HID spotlight mounted on telescopic pole and one HID worklight at rear
- reverse buzzer

Fire fighting & rescue equipment:

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|--|---|
| <ul style="list-style-type: none"> • normal pressure collapsible fire hoses • normal pressure nozzles • dividers • suction Siamese • suction filter • suction hoses • powered chain saw | <ul style="list-style-type: none"> • portable fire extinguishers • tool box • portable high expansion foam generator • self contained breathing apparatus • portable ground monitor • rescue lines • portable spotlight tripod with cable drum |
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Overall vehicle dimensions:

length: 8900mm / width: 2550mm / height: 3500mm

**Weights:**

operational weight: 25150kg
gross vehicle weight rating: 27500kg
shipping weight: appx. 14000kg

Performance:

top speed: 110km/h
Gradeability: 80%

TEMAX S.A.***Fire Truck Manufacturers***

110 Ag. Polykarpou Street

Athens, GREECE

tel. +30 210 3411811, fax +30 210 3452515

email : info@temax.gr

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www.temax.gr