



FIRE - TRUCK MANUFACTURERS

TEMAX TLF-5000/400/100

fire fighting vehicle

on Mercedes Benz Actros 1836A (4X4)



Vehicle type: TEMAX fire fighting vehicle TLF-5000/400/100

Main vehicle data:

Chassis:

Mercedes Benz Actros 1836A (4X4) with:

- original Mercedes Benz “medium” cab with 1+2 seating
- hydraulic steering with adjustable steering wheel
- OM501LA diesel engine, 265 kW (360 HP) @ 1800 rpm, 1850Nm @ 1080 rpm
- 16-speed manual gearbox
- transfer case with hi/lo gears
- differential lock on front & rear axles
- 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 with foam tank

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
- 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 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:

Dual 500L capacity (400+100L), made from stainless steel 304, 3mm thick, integrated in the pump locker. Each compartment equipped with:

- inspection hole with cover 300mm 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 high and normal pressure, rated for 3000L/min @ 10bar and 400L/min @ 40bar, equipped with:

- automatic primer,
- around-the-pump, foam proportioning system 1%+3%+6%,
- 2/4 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 to feed the ground sweep nozzle system,
- one normal pressure outlet for tank filling via the pump,
- two high pressure outlets to feed the hose reels,
- complete control panel

**Roof monitor:**

Manually operated roof monitor, mounted on the superstructure roof, rated for 2400L/min @ 10bar, equipped with:

- air aspirated foam tube
- spotlights for night operations

Monitor rotation: 360 deg

Monitor depression/elevation: -15 to +80 deg

**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.

**In cab control panel:**

Complete in-cab control panel to control the pump, the foam proportioning system, as well as the ground sweep system

**Ground sweep nozzles:**

four (4) 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
- two beacons mounted on cab roof, one beacon at rear roof
- reverse buzzer

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: 7000mm / width: 2550mm / height: 3500mm



Weights: operational weight: 17500kg
gross vehicle weight rating: 19000kg
shipping weight: appx. 11400kg

Performance: top speed: 100km/h
Gradeability: 80%

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