



**FIRE - TRUCK MANUFACTURERS**

## **TEMAX RLF-5000/500**

Fire Fighting & Rescue Vehicle  
on Mercedes Benz Actros 1832 (4X2)



**Vehicle type:** TEMAX fire fighting & rescue vehicle RLF-5000/500

**Main vehicle data:**

**Chassis:**

Mercedes Benz Actros 1832 (4X2) with:

- original Mercedes Benz “medium” cab with 1+3 seating
- hydraulic steering with adjustable steering wheel
- OM501LA diesel engine, 235kW (320 HP) @ 1800 rpm, 1650Nm @ 1080 rpm
- 16-speed Telligent automatic gearbox
- 315/80R22,5 tires
- 300L fuel tank
- 28V/80A alternator
- 2x12V/165Ah batteries
- full air brakes with ABS

**Superstructure:**



**Design:** Monocoque body, with integrated water & foam tanks.

**Construction material:** Heavy duty 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, extremely reinforced.

**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/slide out/down shelves and special brackets for all fire fighting and rescue equipment
- Rear mounted, roof access ladder

**Water tank:** 5000L capacity, made from mild steel, 4mm thick, hot-dip galvanized. 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, made from stainless steel 304, 3mm thick, integrated in the pump locker.  
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:**

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

**Hose reels:**

Two, axially fed high pressure hose reels, each equipped with 60m non collapsible high pressure rubber hoses, 25mm dia. and high pressure fog guns, each 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
- 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:

- normal pressure collapsible fire hoses
- normal pressure nozzles
- dividers
- suction siamese
- suction filter
- suction hoses
- portable ground monitor
- powered chain saw
- powered chainsaw
- portable fire extinguishers
- tool box
- 200mm spotlight, with extension tripod and cable drum
- 7m extendable ladder
- 4m ladder with hook
- flow stoppers
- leaking sealing bags
- hooligan tool
- stretchers

### Overall vehicle dimensions:

length: 7500mm / width: 2550mm / height: 3400mm



**Weights:** operational weight: 18200kg  
gross vehicle weight rating: 19000kg  
shipping weight: appx. 12400kg

**Performance:** top speed: 100km/h  
Gradeability: 60%

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