



FIRE - TRUCK MANUFACTURERS

TEMAX TLF-2500/300 – BSF22MDT

rescue & fire fighting vehicle
on MAN TGM 18.340 (4X2)



Vehicle type: TEMAX fire fighting vehicle TLF-2500/300 BSF22MDT

Main vehicle data:

Chassis:

MAN TGM 18.340 (4X2) with:

- original MAN 2-door cab with 1+2 seating
- hydraulic steering with adjustable steering wheel
- MAN diesel engine, 250 kW (340 HP) @ 2300 rpm, 1250Nm @ 1200 rpm
- 12-speed automatic gearbox
- front steel suspension, rear air suspension
- 315/80R22,5 tires
- 300L fuel tank
- 28V/80A alternator
- 2x12V/175Ah batteries
- full air brakes with ABS, ASR and ESP



Hydraulic platform:

Design:

One 3-section telescopic and one articulated boom system. Rescue cage mounted at the end of the articulated boom. Fully electro-hydraulic operation with fail-safe functions. Four (4) "A-arm" type outriggers.

Performance:

22m maximum operation height
11m maximum horizontal outreach



Rescue cage

- 270kg capacity
- cage slewing +/- 45 deg.
- complete control panel
- dimensions: 1600x800x1100mm (LxWxH)
- one side door with incorporated ladder to access the cage
- one rescue platform appx. 1000x500mm
- remotely controlled monitor with manual override
- hose reel with 20m long hose 25mm dia. and nozzle
- water/foam feed via permanently installed telescopic piping system
- 2 nozzles & 2 floodlights mounted under the cage floor
- 2 floodlights
- 3 breathing air supply sockets for SCBA masks
- 220/380VAC outlets
- rescue stretcher / lowering device support bracket
- lowering device

Hydraulic platform equipment:



Front mounted access platform:

- located left and right of the vehicle
- with one ladder at each side to access the platform from the ground
- with one ladder to access the vehicle roof



Turntable operation panel:

side mounted control panel incorporating:

- detachable platform control panel with extension cable
- outrigger control panel
- bubble level indicator
- intercom system between turntable operator and cage operator
- emergency manual control of outriggers



Breathing air supply to the cage:

Compressed air supply to the cage comprising of:

- 4 compressed air cylinders 6L/300bar each
- control panel with valves & gauges
- permanently installed air supply hose from the cylinders to the cage

Superstructure:

Design:

Modular body with front equipment locker, full width water tank, 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.



- Side mounted pump control panel



- 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:

Full width, 2500L capacity, made from AISI 316L stainless steel, 3-4mm 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:

300L capacity, made from stainless steel AISI 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 2000L/min @ 10bar and 400L/min @ 40bar, 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 cage mounted monitor,
- one normal pressure outlet for tank filling via the pump,
- one high pressure outlet to feed the hose reel

Emergency lights and sound systems:

- one 100W electronic siren with microphone, with wail/yelp/hi-lo/air horn sounds and public address system
- lightbar mounted on cab roof, one beacon at rear roof, perimeter lights
- reverse buzzer

Fire fighting & rescue equipment:

- normal pressure collapsible fire hoses
- normal pressure nozzles
- dividers
- suction siamese
- suction strainer
- rescue ropes
- suction hoses
- powered disc saw
- portable fire extinguishers
- tool box
- spotlight, with extension tripod and cable drum
- rescue stretcher

Overall vehicle appx. dimensions:

length: 10500mm / width: 2550mm / height: 3800mm



Weights: operational weight: appx. 17800kg
gross vehicle weight rating: 19000kg
shipping weight: appx. 14700kg

Performance: top speed: 100km/h

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