

PR9262040 - FM WATER BOWSER REPLACEMENT

YEAR OF MANUFACTURE 2020

20,000 Liter Capacity Potable Water Truck

Right Hand Drive truck

Drive 6x6

Emissions Euro 3 Diesel Emissions

Minimum peak power 410 HP / 306 Kw

Minimum peak Torque 1600 Nm

Gross vehicle weight 33 tonnes

Fuel Diesel

Medium cab with 3 seats

Manual gearbox, Gearshift, hydraulic

Air conditioning

Hydraulic cab tilting mechanism

Weight variant 33.0 t (7,5/13,0/13,0)

Main Fuel tank, 300 l, steel

Tank-cap lock

Brake system

Brake discs on front axle and rear axle

Anti-lock braking system (ABS)

Compressed-air dryer, heated

Cab exterior

Cab suspension for rough terrain

Roof hatch/vent

Access steps left and right, movable

Rearview, driver's side, heated

Side Mirrors, electrically adjustable

Wide-angle exterior mirror on front passenger side

Ramp/ kerb observation mirror on co-driver's side

Sun visor, exterior, transparent

Cab interior

Driver's comfort suspension seat

Fold-up seat, velour, co-driver

Additional 24V715A socket in cab, instrumental panel

Straight instrument panel support, short, hard

Power windows driver and co-driver

Instrument cluster with graphics-capable display

1 or 2 DIN radio, 2 speakers with AUX, CD, USB, Antenna + kit
Air conditioning system
Trailer socket 15-pole
Additional scopes
First aid kit
Hazard warning triangle
Warning lamp
Compressed-air gun, supplied loose
Tire inflating hose, 10 m.
Preferred Makes: Mercedes, Isuzu or Mitsubishi which have spare parts and service centers throughout Kenya

Water Tank Specifications

20.000 ltr. One compartment steel water tank with baffles for potable water, Special inner lining for the transport of potable/drinking-water, according to EU Resolution AP (96)5

Self-priming pump, Pump capacity: approx. 1000 ltr./min at 1.5 bar, Rear mounted spray bar with two special fan-nozzles.

Superstructure

The "Low-Torsion body mounting system" for tank bodies is recommendable due to their strongness,

torsion-resistant design, for "Off-Road" operation under rough cross-country conditions. The elastic connection between the truck chassis and the sub-frame to provide a torsion-absorbing function.

This arrangement to absorb any stresses passing from chassis to tank.

The sub-frame to be mounted to the truck frame in a way to ensure equal load distribution.

Otherwise mounted according to truck supplier's "Assembling Instruction".

Tank support

The tank itself to be supported in tank saddles which are bolted on the reinforced longitudinal frame members with heavy duty rubber mountings in front.

Tank

Tank shape: Elliptical 20 000 ltr incl. 3% expansion

Tank compartments: One (1)

Manufactured of high-grade steel -S235JRG2-, electrically welded throughout with accurately finished welding seams. Thickness for shell and heads min. 4 mm. Dished bulkheads on both sides and appropriate nos. of splash walls.

Level indicator for measure the water level at the rear of tank

Walkway

Open mesh walkway mounted at rear part of tank body below the manhole cover, with rear mounted access ladder.

One (1) collapsible handrail made of aluminum, fixed as safety barrier, according UVV regulation along the walkway, operation next to access ladder

Dome armatures per compartment

Basic equipment and installations for each tank-compartment:

One (1) dome cover NW 500

One (1) ventilation valve NW 80

Discharge fittings

At the lowest point of the tank, one (1) discharge pipe DN 80 leads to the right hand side of the vehicle, ending with a 3" shut-off valve with 3"

Cam-lock coupling and dust cap for discharge

Pump

Rovatti Pompe S2A3 or equivalent

Capacity: up to 120 m³/h

Head: up to 70 m

Power: up to 28,5 HP

Self-sucking pump installed at the vehicle's chassis, hydraulically driven by PTO of truck engine and can be operated pneumatically from the

drivers cabin. The suction pipe to be equipped with a suction filter. Suction and delivery connections are provided with hose coupling and cab.

Oil-cooler mounted with electric fan.

Spraybar rear

Rear mounted spray bar with two (2) special fan-nozzles, pressure working, electro pneumatically. Operation out of driver's cab.

Adjustable spraying width with pump from approx. 12 to 15 mtr.

Capacity: approx. 500 ltr/min each nozzle

Delivery options

- discharge by gravity via 3" Cam-lock
- discharge with pump, via 3" Cam-lock
- discharge with pump via rear spray-bar
- self filling with pump
- filling with external pump
- filling from top

Hose and hose-carrier

Two (2) hose tubes, one (1) on each side of the tank with two (2) hoses

Hose type: NW 80 with 3" Cam-lock coupling

Hose length: approx. as long as tank body

Standard accessories

Wheel chokes (provided by TRUCK supplier) mounted with brackets

One (1) spare wheel carrier with winch mounted on chassis (under chassis)

PVC mudguards with rubber mud-flaps

One (1) lockable tool box mounted on chassis

One (1) 50 liter water-tank made of stainless mounted on chassis frame

Acceptance test

Leakage testing of tank 0,35 bar

Functional test

Paintwork and finishing

All steel parts are sand-blasted and prime-coated.

Tank body painted in one RAL colour.

Special inner-lining for potable water

Substructure, etc. hot- galvanised not painted.

Inner-lining for potable/drinking water

Special inner lining for the transport of drinking-water, according. to EU Resolution AP (96)5

Documentation

One (1) spare part list

One (1) operating manual

All instruction plaques, lists, manuals and signs in English