

## TECHNICAL DESCRIPTION

**SUBJECT:** Tank 20.000l capacity for drinking water, complete with loading and unloading unit with pump and front and rear spray bars, mounted on **IVECO AT380T47H 6x4 4200**

The equipment is composed of:

One compartment tank, Double-D section, geometrical capacity 20.000l, made in steel sheet S275JR, 4 mm thick both for the shells and the dished heads, with suitable dimensions for the truck chassis

The tank is built-up and installed as follows:

- shells welded together and to the dished heads
- internal anti-sloshing baffles
- supporting saddles with steel tie rods suitable for fitting the tank onto the chassis. A rimmed rubber stripe is placed between saddle and tank to ensure the tank stability
- n.1 manhole with cover, complete with loading port and breathing valve
- n.1 level indicator
- n.1 overflow pipe
- n.1 access ladder to manhole and platform
- n.2 pieces of flexible hoses with quick connections on the ends placed in special lockable stainless steel carriers
- n.1 lockable case for containing vehicle different materials
- reflective strips
- Spare wheel holder
- Mud guards for rear wheels

Tank internal treatment with epoxy resins suitable for drinkable water transport

External painting in a standard colour of customer choosing

## **PUMPING UNIT**

Supply and installation of pumping system for loading and unloading with self-priming centrifugal pump with stainless steel impeller, **medium pressure**, having the following main features:

- max. capacity lit/min 1200      800    400
- max. head m.      40      45      50

The pump is operated by the truck engine through a properly dimensioned hydraulic system, activated by a PTO installed on the truck gear box. The PTO is pneumatically controlled from the driver's cab.

The pump is connected to the tank by means of stainless steel piping, gate valves and connections which allow the tank loading and unloading operations.

## **DRINKING WATER DELIVERY**

- n.1 hose reel in stainless steel, with automatic winding, having 20 m of hose 1" and a shut off valve
- n.1 box with taps for drinking water delivery

## **SPRINKLING UNIT: FRONT AND REAR SPRAY BARS**

Sprinklers with flat spraying nozzles mounted on front and rear end of the vehicle. The bars function separately or together in the same time

The operation of the water spraying system is controlled from the driver's cab through pneumatically operated valves.

Functioning with one bar at a time:

spray width of rear bar: 10 m max. spray

width of front bar: 9 m max.

Functioning with two bars in the same time:

spray width of rear bar: 9 m max. spray

width of front bar: 8 m max.