

## TECHNICAL DESCRIPTION

**SUBJECT:** Tank 10.500l approx. (with overflow pipe at 9.500l) capacity for industrial water transportation with firefighting service, with loading and unloading unit with self-priming pump, front and rear spray bars, spray cannon and remote control, installed on your Iveco Eurocargo ML180E-E3 4185 wheelbase.

### Tank

One compartment tank, with capacity 10.500l approx. (with overflow pipe at 9.500l) circular section, made in steel sheet 4 mm thick both for the shell and for the dished heads.

The tank is built-up and mounted as follows:

- steel shells welded together and to the dished heads.
- internal anti-sloshing baffles
- overflow pipe
- n.1 manhole diam. 500 with cover complete with quick loading port and breathing valve
- n. 1 eye level indicator
- n.1 access ladder to the manhole, catwalk with folding safety rail

### Support structure:

- counterframe suitable for use in all-terrains. The flexible connections between the truck chassis and the counterframe have the function to compensate the torsion in a way to absorb all the stress which runs through the tank from the chassis
- supporting saddles with tie rods suitable for fixing the tank to the vehicle chassis.

Between saddles and tank a rimmed rubber strip is placed to ensure stability and adhesion of the tank.

- The counterframe is fixed onto the truck chassis in accordance with the vehicle manufacturer directives
- Steel tie rods with at the end tank tightening tie rods to the saddles

### Painting treatment

- Cleaning and degreasing of all the surfaces
- Sandblasting SA 2,5 and cleaning of all external surfaces
- Application of two coats of epoxy rust-resistant enamel
- Application of two coats of paint in a standard colour of your choice with total thickness < 100 micron

### Pumping unit – loading/unloading

Supply and installation of pumping unit for loading and unloading with centrifugal self-priming pump, **Varisco J3-240 TGMOD**, having the following main features:

- max. capacity lit/min	1200	800	400
- max. head m.	45	60	70

The pump is driven by the truck PTO, which is pneumatically controlled from the driver's cab, through a suitable hydraulic unit and heat exchanger.

Suitable piping, **filter with washable stainless steel cartridge on the suction line**, gate valves and connections allow the tank loading and unloading and the water transfer from one tank to another.

### Hose reel

- N.2 hose reels with manual spring rewind with 10 m of 1" hose and multi-purpose gun



### Front and rear spray bars



The tank will have following spray bars:

#### Front and rear bars

Spray bars with pressure working nozzles are mounted on the front and the rear end of the truck

Rear bar spraying width: 12 m approx, **ideal watering of a track in only one pass**

Front bar Spraying width: 10 m approx.

The opening and closing of the water supply to the spray bars is controlled through pneumatic gatevalve from the driver's cab.

## Fire fighting service

Manual lever water cannon installed on a platform for the operator, with water opening valve having the following main features:

- horizontal water range 40 m approx
- rotation 360 degrees
- inclination upward +45/downward -45
- water consumption 800 l/ 1 min at 6 bar



## REMOTE CONTROL

With the remote control it is possible to:

- Activate the pneumatic clutch
- Activate the water pump
- Control for water supply to rear spray bar
- Control for water supply to cannon
- Control for water supply to front spray bar
- Clogged oil filter
- Hydraulic oil max temperature
- Emergency button



## Following equipment are also included:

- n.1 lockable box for containing vehicle various materials
- n.2 pieces of flexible hoses with quick connections on the ends placed in special lockable steel carriers.
- Mud guards for rear wheels made in galvanised steel, with rubber edges
- n.1 spare wheel holder placed under the truck
- Side underride guards
- Safety protections
- Clearance lights
- Use and maintenance manual and spare parts list

## CE CERTIFICATE