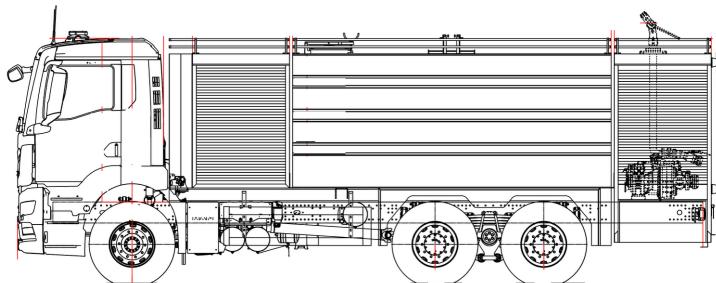


15.000 LT. WATER TANK SUPERSTRUCTURE FOR FIRE FIGHTER TECHNICAL SPECIFICATION

INTRODUCTION:



Pictures are used for reference purpose.

1. CHASSIS VEHICLE

Axle Configuration
Emission

2. BODYWORK

Construction	The superstructure is made of steel coverings and steel framework. All components of the superstructure will be assembled to an auxiliary frame. This frame is fastened to the main chassis by means of suitable fastening to avoid harmful influences on the bodywork.
Design	Will be designed in such a way to allow maximum accessibility to all areas
Working Deck	It will be covered by anti-slip material with light alloy handrails.
Roof Access	One unit climbing ladder will be fixed at the rear part of the vehicle to access the roof of the vehicle. Handgrips will be provided on the ladder.
Storage Lockers	There are 5 storage lockers surrounding the vehicle. Lockers are closed by lockable aluminum roller shutters. All locks on the vehicle can be opened by one universal key. The base of the lockers will be covered with aluminum plates. Drain holes are provided on the floor of the compartment to supply the water drainage.

3. WATER TANK

Type	Modular type tank placed between the two locker compartments
Capacity / Material	15000 liters / Stainless steel 4mm AISI 316L
Baffle Plates	There will be vertical & horizontal baffle plates inside the Water Tank. Baffle plates will be made of same material with the tank and permit human passing between partitions
Manhole	At least 450 mm diameter Manhole Cover with mechanically lockable lid.
Filling the Tank	Fitted with 2 side filling inlets which are 2.5 inch and having STORZ couplings with a non-return valve.
Tank Drainage Valve. Overflow	Under the tank knee reservoir and 2 inches with Spherical Bluff Pipe for the air and extra water inside the tank.
Level Indicator	A digital Water Level Indicator will be available on the Control Panel.

4. FIRE PUMP

Make / Model	CINAR 3000 N
Type	Centrifugal
Driven Type	PTO
Material	Body & Fan will be manufactured from light alloy aluminum and the pump shaft will be manufactured from Stainless Steel. Cnr pump can operate with salty sea water
Capacity	3000 lpm at 10 bar 3000lt/pm 40 bar 250lt/pm
Outlets	2 units 2-inch spherical type outlets with STORZ couplings 2 units 1.5 inch spherical type outlets with STORZ couplings
Suction	1 unit 4 inch suction nozzle with STORZ coupling. CNR pump has a capability to suck water from 7 m geographical depth. Automatic suction system is coupled to pump.
Pump Location rear	The pump will be mounted in the rear part of chassis but the outlets will be at the compartment. It will be accessible from the rear door.
Control Panel	The pump will be mounted on necessary location and the outlets will be at the rear compartment. It will be accessible from the rear door. The PTO can be engaged from the driver cabin. The Control Panel is isolated from the water. The following buttons are available on the control panel; <ul style="list-style-type: none"> • Normal Pressure Indicator • RPM gauge • Vacuum switch on-off bottoms. • Emergency Stop Button • Illumination button for night operations.



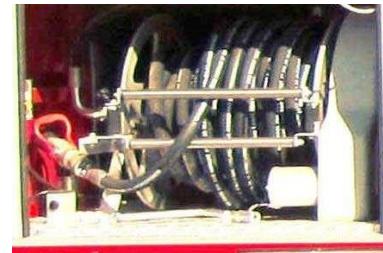
5. WATER/FOAM MONITOR

Make / Model	CINAR 2400 lpm manual water monitor
Capacity	2,400 LPM, Aluminum.
Placement	On superstructure at rear.
Control	Manual
Throwing Distance	Min. 50 meters water
Movement	Horizontal; 360°, and Vertical - 45°/- 80°
Nozzle	Cnr Jetting / Spraying Nozzle.
Rewinding	Manual



6. HOSE REEL

Make / Model	CINAR first intervention hose
reel Quantity	1 unit.
Location	At rear left or rear right side of the vehicle
Type	Made of aluminum molding, resistant to high pressure.
Hose	1 inch x 80m, unbreakable and uncrushable
Nozzle	Jetting/Spraying Nozzle with hand grip
Rewinding	Manual



7. ACCESSORIES

9 mt Extending Ladder	1 unit 4" 3m suction hose with storz couplings
2 units 2.5" 20m quality fire hoses with storz couplings	1 unit 4" suction strainer
2 units 2" 20m quality fire hoses with storz couplings	1 unit abc coupling spanner
2 units Straight flow shut off valve branch pipe nozzle	

8. ELECTRICAL INSTALLATION

2 or 4 different siren system

Lockers illumination

On two sides, front and rear of the vehicle there will be flashing warning lights

2 unit rotating beacons fixed in front and 1 in rear of the vehicle

The electrical system of the fire equipment will be separated from the chassis' electrical system; the electrical system of the fire equipment is reinforced by a special fuse system and all the electrical system is isolated from water.

Radio pre-equipment



9. PAINTING

After finishing production all surfaces except shutters will be painted Fire-Red (RAL 3000). Tank interior will be coated two layers of epoxy.

10. DOCUMENTS / MANUAL

1 set of Workshop Manual, Spare Parts Catalogue, Operation & Maintenance Booklet will be provided