

Fire Truck

Item	Required Specification for 3,500 Liter Water Tanker.
Firetruck	<p>Specs for the Double Cab. Fire Truck.</p> <p>Chassis and tanks</p> <p>The double cab fire truck Chassis should be from a USA European or Japanese manufacturer 2024 and later.</p> <p>Chassis type 4X2, Diesel or Turbo Diesel engine Euro 3 or Euro VI,</p> <p>Minimum 6 cylinders 250 HP minimum.</p> <p>100 liter minimum fuel tank,</p> <p>Manual Gearbox with auto shifting,</p> <p>Retarder brake assist.</p> <p>Standard Vehicle equipment, with spare tire, jack and tools.</p> <p>Double Cab built by the original truck manufacturer with 6 seater, 4 rear seats supplied with SCBA for each seat with 300 Bars , 9 liters carbon composite cylinder.</p> <p>LED Light Bar with PA system and 100 Watts speaker,</p> <p>Rear Scene light FRC LED 11,000 Lumens 24 V with free swivel manual extension pole, two sides LED FRC 5000 lumens lights 24 V. and two red beacons on the rear corners.</p> <p>Water tank capacity 3,500 liters with 50 cm fill cover, Overflow pipe, Galvanized steel with internal protection on the welding min. 3 mm on the sides , 4 mm on the bottom with vent and over flow pipe to the bottom of the truck.</p> <p>Foam tank 350 Liters Stainless Steel with fill cover, over flow vent .</p> <p>Built in on board 24 VDC Foam filling pump with control for filling the foam tank.</p> <p>4 compartments two on each side fitted with Sliding Aluminum roller doors with locks two on each side, One rear roller door for the Fire Pump</p> <p>Rear mounted two stage centrifugal pump, low and high pressure impellers on one stainless steel shaft to provide simultaneous multi pressure operation. Driven by Split shaft Gearbox.</p> <p>Nominal Flow 2000 LPM at 10 Bars, 250 LPM at 40 Bars, Maximum Impeller Speed 3600 rpm</p> <p>Maximum Outlet Low Pressure (EN compliance) 17 bar,</p> <p>Maximum Flow – Low Pressure 3400 l/min</p> <p>Maximum Outlet – High Pressure (EN compliance) 54.5 bar,</p> <p>Maximum Flow – High Pressure 770 l/min</p> <p>Priming Time from 7.5m 22 sec</p> <p>Round the pump low pressure foam system and high pressure foam system</p> <p>Accurate mixing Foam system 0 - 6%</p> <p>Full compliance with EN1028:1</p> <p>Pump inlet 4" BRT with cap cover, Two Delivery Valve with 2.5" Ball valves and 2.5" Female BSS 336 BS Instantaneous with Plugs.</p> <p>One 1" NH male outlet with High pressure Control valve with cap and chain . Two sides ball valve Hydrant tank fill with 2.5" Male BS Instantaneous with caps and chain one on each side. 1" Hose Reel feeder valve.</p> <p>Pump control panel with Suction and Discharge pressure gauges low and high pressure , Engine parameters, LED water and tank levels, Foam system control with metering valve</p> <p>Hose Reel and Equipment</p> <p>One 24 Volt Electric rewind Hose reel with hose guide roller with red color light High pressure Hose 60 meters long with 1" NH High pressure pistol grip selectable nozzle with foam tube.</p> <p>10 Hoses 1.75" X 20 meters with 2.5" BS 336 Instantaneous Aluminum couplings Rubber hoses with 17 Bars working pressure 34 Bars test pressure and 50 Bars Burst pressure.</p> <p>6 Hoses 2.5" X 20 meters with 2.5" BS 336 Instantaneous Aluminum couplings Rubber hoses with 17 Bars working pressure 34 Bars test pressure and 50 Bars Burst pressure.</p> <p>10 Hoses Double Jacket Fire Hose 1" X 30 meters with NH Forestry Couplings suitable for 40 Bars operation.</p> <p>2 Pistol Grip Selectable Nozzles with 2.5" Male BS Instantaneous couplings 100-475 Liters at 6-7 Bars</p> <p>2 Foam Aeration tubes for the above.</p> <p>2 Pistol Grip Selectable Nozzles with 2.5" Male BS Instantaneous couplings 200-750 Liters at 6-7 Bars</p> <p>2 Foam Aeration tubes for the above.</p> <p>2 Pistol Grip Nozzle Selectable 15-60 GPM with 1" Female NH coupling .</p> <p>2 Foam Aeration tubes for the above.</p> <p>4 Light weight suction hose 4" X 2.4 meters with 4" BRT coupling 1 Barrel Strainer with foot valve 4" Female BRT couplings.</p> <p>1 Hooligan Tool 32"-36"</p> <p>1 Pike Axe 6 lbs. Wooden handle 24"-28"</p> <p>1 Bolt Cutter 24-28"</p> <p>1 Dividing Breeching 2.5" Male BS Instantaneous inlet X 2 outlets 2.5" Female BS Instantaneous</p> <p>1 Collecting Breeching 2 X 2.5" Male BS Instantaneous inlets X 1 outlets 2.5" Female BS Instantaneous</p> <p>1 Gated wye with Ball valves 1" Female NH swivel inlet X 2 each 1" Male NH outlet.</p> <p>2 Double Male Adapter 2.5" Male BS Instantaneous X 1" NH Male</p> <p>2 LED Fire Vulcan Rechargeable Flash lights with 4.5 hours duration High: 100,000 candela peak beam intensity; 180 lumens</p>

Fire Truck

Required Specification for 10,000 Liter Water Tanker.

General: Brand new, model 2024 and Later

- The Truck Chassis should be from a Japanese, USA or European Manufacturer .
- Color: Red (as per the Lebanese Civil Defense colors)
- GVW: minimum 19,000 Kg (to meet the full load requirement of the truck with a minimum payload of 11 Tons)
- Drivetrain 4X2
- Wheelbase between 4200 mm to 4500 mm maximum
- Cab: Single cab, Pneumatic or suspension Driver Seat, 3 persons allowed with seat belts, external side rear view mirrors, sun visors, fire extinguisher (min 6 kg), rubber mats, emergency triangles
- Engine: Diesel, minimum power of 280 HP, 4 Cycle direct injected turbocharged and intercooled Emission standard Minimum Euro III.
- Steering: Left hand driving, Integral power steering
- Transmission: minimum 6 speed front, minimum 1 speed reverse with Exhaust and Compression Brake systems With ABS.
- Suspension: Reverse Elliot I beam type axle with Parabolic leaf springs and double acting shock absorber. Single axle with multi-leaf dual stage spring

- Fuel Tank: minimum capacity of 180 Liters with locking fuel cab
- Brakes: Disc or Drum Type At Front & Rear, ABS, Parking Brake, Mechanical Type With Spring, Exhaust Brake
- Tires: Single At Front & Double axle At Rear, 6+1 Spare Wheel for each wheel dimension R22.5
- Air conditioning, radio
- Rear view camera installed at the backside together with minimum 7" screen installed in the cabin
- Horn with speaker including different signal settings
- Warning lights: 1 at the top of the cabin, 2 at the back of the truck
- Tank: 10,000 Liters in one compartment including internal baffle plates, Polycentric section shape, Galvanized Steel sheet 4mm, electrically welded.
- Paint: One coat of anti-corrosion primer for the exterior, Two coats of synthetic paint for exterior of the tank.
- Equipment: One top Manhole with quick lock, diameter 50 cm, Two perforated catwalks along the top of the tank to reach the manhole, Piping system made of 3" galvanized steel pipes, One side discharge ball valve 3" for discharge by gravity equipped with a 2.5" female BS coupling, heavy- duty steel frame made of channels and arched steel support, Mounting chassis attachment by means of heavy- duty semi – elastic brackets.
- Accessories: Plastic mudguards with rubber flaps, 1 toolbox, 1 hose compartment on each side of the tank, 2 ladder to access the top of the tank (one rear and one in the front), 1 rear bumper, 1 spare wheel carrier winch type, 1 overflow pipe, Hooks at the rear of the tank for holding additional hose
- Discharge System: PTO driven water Pump, Flow 700 LPM at 3 Bars with 3" Discharge. Fitted with Manual rewind hose reel suitable for 2.5" Rubber hose length 25 m with 2.5" BS 336 Female instantaneous outlet and One 2.5" nozzles , 475 LPM .
- Three supply Rubber hoses 2.5" X 20 meters with BS 336 instantaneous couplings.
- All necessary accessories for the proper and easy operation of the pumping system with all the needed adapters (of all types) to connect all the provided hoses with one spare adapter from each type. Also consider any valves, caps, nipples, elbows and Tees needed so that the system is fully operational properly.

Fire Water Tanker

Specification for 15,000 Liter Water Tanker.
General: Brand new, model 2024 and Later
-The Truck Chassis should be from a Japanese, USA or European Manufacturer .
- Color: Red (as per the Lebanese Civil Defense colors)
- GVW: minimum 34,000Kg (to meet the full load requirement of the truck with a minimum payload of 20 Tons)
- Drivetrain 6x4
- Wheelbase between 4200 mm to 5000 mm maximum
- Cab: Single cab, Pneumatic or suspension Driver Seat, airbags, 3 persons allowed with seat belts, external side rear view mirrors, sun visors, fire extinguisher (min 6 kg), rubber mats, emergency triangles
- Engine: Diesel, minimum power of 390Hp, 4 Cycle direct injected turbocharged and intercooled Emission standard Minimum Euro III.
- Steering: Left hand driving, Integral power steering
- Transmission: minimum 10 speed front, minimum 1 speed reverse with Intarder or Retarder
- Suspension: Parabolic leaf springs with shock absorber front axle and Tandem axle with inter-axle differential, with multi leaf springs rear axle.
- Fuel Tank: minimum capacity of 250 Liters with locking fuel cab
- Brakes: Disc or Drum Type At Front & Rear, ABS, Parking Brake, Mechanical Type With Spring, Exhaust Brake
- Tires: Single At Front & Double axel At Rear, 10+1 Spare Wheel for each wheel dimension 315/80R22.5
- Air conditioning, radio
- Rear view camera installed at the backside together with minimum 7" screen installed in the cabin
- Horn with speaker including different signal settings
- Warning lights: 1 at the top of the cabin, 2 at the back of the truck
- Tank: 15,000 Liters in one compartment including internal baffle plates, Polycentric section shape, Galvanized Steel sheet 4mm, electrically welded.
- Paint: One coat of anti-corrosion primer for the exterior, Two coats of synthetic paint for exterior of the tank.
- Equipment: One top Manhole with quick lock, diameter 50 cm, Two perforated catwalks along the top of the tank to reach the manhole, Piping system made of 3" galvanized steel pipes, One side discharge ball valve 3" for discharge by gravity equipped with a 2.5" female BS coupling, heavy- duty steel frame made of channels and arched steel support, Mounting chassis attachment by means of heavy- duty semi – elastic brackets.
- Accessories: Plastic mudguards with rubber flaps, 1 toolbox, 1 hose compartment on each side of the tank, 2 ladder to access the top of the tank (one rear and one in the front), 1 rear bumper, 1 spare wheel carrier winch type, 1 overflow pipe, Hooks at the rear of the tank for holding additional hose
- Discharge System: 1 PTO driven water Pump, 1,000 lit/min with 3.0" inlet and outlet pressure 3 Bars equipped with a 2.5" female BS coupling . Manual rewind hose reel suitable for 3" Rubber hose length 25 m. One Rubber discharge hose 3" length 20 m with a 2.5" nozzle. Four 3" PVC hoses 3 m long with BS coupling at both ends for Gravity feed.

- All necessary accessories for the proper and easy operation of the pumping system with all the needed adapters (of all types) to connect all the provided hoses with one spare adapter from each type. Also consider any valves, caps, nipples, elbows and Tees needed so that the system is fully operational properly.

Fire Water Tanker

Specification for 30,000 Liter Water Tanker.
General: Brand new, model 2024 and Later
-The Truck Chassis should be from a USA, European or Japanese manufacturer
- Color: Red (as per the Lebanese Civil Defense colors)
- GVW: minimum 46,000Kg (to meet the full load requirement of the truck with a minimum payload of 38 Tons)
- Drivetrain 8x4
- Wheelbase between 4800 mm to 5000 mm maximum
- Cab: Single cab, Pneumatic or suspension Driver Seat, airbags, 3 persons allowed with seat belts, external side rear view mirrors, sun visors, fire extinguisher (min 6 kg), rubber mats, emergency triangles
- Engine: Diesel, minimum power of 420Hp, 4 Cycle direct injected turbocharged and intercooled Emission standard Minimum Euro III.
- Steering: Left hand driving, Integral power steering
- Transmission: minimum 12 speed front, minimum 1 speed reverse with Intarder or Retarder
- Suspension: Parabolic leaf springs with shock absorber front axles and Tandem axle with inter-axle differential, with multi leaf springs rear axle.
- Fuel Tank: minimum capacity of 250 Liters with locking fuel cap
- Brakes: Disc or Drum Type At Front & Rear, ABS, Parking Brake, Mechanical Type With Spring, Exhaust Brake
- Tires: Single At Front & Double axel At Rear, 8 + 1 Spare Wheel for each wheel dimension 315/80R22.5 156/153K
- Air conditioning, radio
- Rear view camera installed at the backside together with minimum 7" screen installed in the cabin
- Horn with speaker including different signal settings
- Warning lights: 1 at the top of the cabin, 2 at the back of the truck
- Tank: 30,000 Liters in one compartment including internal baffle plates, Polycentric section shape, Galvanized Steel sheet 4mm, electrically welded.
- Paint: One coat of anti-corrosion primer for the exterior, Two coats of synthetic paint for exterior of the tank.
- Equipment: One top Manhole with quick lock, diameter 50 cm, Two perforated catwalks along the top of the tank to reach the manhole, Piping system made of 3" galvanized steel pipes, One side discharge ball valve 3" for discharge by gravity equipped with a 2.5" female BS coupling, heavy-duty steel frame made of channels and arched steel support, Mounting chassis attachment by means of heavy-duty semi – elastic brackets.
- Accessories: Plastic mudguards with rubber flaps, 1 toolbox, 1 hose compartment on each side of the tank, 2 ladder to access the top of the tank (one rear and one in the front), 1 rear bumper, 1 spare wheel carrier winch type, 1 overflow pipe, Hooks at the rear of the tank for holding additional hose
- Discharge System: 1 PTO driven water Pump, 1,000 lit/min with 3.0" inlet and outlet pressure 3 Bars equipped with a 2.5" female BS coupling . Manual rewind hose reel suitable for 3" Rubber hose length 25 m. One Rubber discharge hose 3" length 20 m with a 2.5" nozzle. Four 3" PVC hoses 3 m long with BS coupling at both ends for Gravity feed.

- All necessary accessories for the proper and easy operation of the pumping system with all the needed adapters (of all types) to connect all the provided hoses with one spare adapter from each type. Also consider any valves, caps, nipples, elbows and Tees needed so that the system is fully operational properly.