



The Heavy Fire Fighting Truck utilized in disasters can be used for various types of fires. The truck is equipped with a fire pump, water, foam, dry chemical powder tanks, a water monitor, hose reels and cabinets on the sides. The truck is suitable for working in ports, residential, industrial areas, airports, gas and power stations, chemical, fertilizer and electricity companies. The above mentioned can be mounted on Volvo, MAN and Iveco chassis.

- Power up to 400 HP diesel.
- Extra cooling for the radiator from the fire fighting pump.
- Chassis capacity up to 24 tons.
- Chassis 6X4 water-cooled.
- Double cab (4 doors).
- Water tank up to 10 m³ made of stainless steel.
- Upper manhole for filling and inspection.
- Water wave inhibitors to break the inertia forces on applying the brakes or severe turning.
- Water tank cover can be fully opened.
- A water level indicator with an over flow outlet.
- stainless steel foam tank 1000 lit capacity with a refill hole.
- Dry Powder tank up to 1 ton complete with nitrogen cylinders and safety valves as well as reels with powder guns and control panel.
- A level indicator with an over flow outlet.
- Sound and light alarm and a siren.
- Infra red camera for vision through smoke (optional).
- 15 kW. Electricity generator.
- Foam system with foam pump according to customer's requirements (optional).
- Foam system balanced proportioning.
- American midship Hale pump.
- American Hale pump 6000 lit/min at 10 bar.
- The pump is suitable for all types of fresh and salt water.
- Pump protection from speed, pressure and heat (optional).
- Priming unit from 24 feet in 30 seconds.
- 4X2.5" outlets on the sides of the vehicle.
- 2 Inlets depending on customer's requirements.
- 2 hose reels 30 m. 1" for primary insertion.
- Foam around the pump RTP from 1% to 10%.
- Water and foam monitor discharge up to 3000 lit/min., distance up to 80 m.
- Cabinets with aluminum sliding doors on the vehicle sides.
- A lot of other additional items for first aid, fire fighting and rescue equipment.
- Lighting around the vehicle, the pump and the control panel.
- Foam and powder tanks' capacities according to customer's needs.
- TV camera inside the cabin (option).
- 10 kW spot lights mounted on top of the boom.

The Pump: a product of Hale-Godiva. The pump has a discharge capacity up to 6000 lit\min at 8 bar. The impeller is manufactured from phosphor bronze, the shaft from stainless steel. The pump has outlets for the hoses, the water monitor and the reels; outlet for water tank feed, foam inlet intake. The two inlet openings have diameters of 4" and 2.5" (optional).

The priming unit: a product of Hale company. Works on the vehicle's electricity. Capable of priming water from a depth of 24' in 30 sec. The unit is easy to assemble and maintain.

Water tank: made out of galvanized steel up to 10 m³ with Water wave inhibitors to break the inertia forces on applying the brakes or severe turning. Internal and external reinforcement webs. The top of the tank can be completely removed for cleaning and annual maintenance works (optional). A 50 cm manhole for filling and regular inspection. Inlet for filling the tank from the pump, overflow outlet, ventilation outlet, lower outlet for feeding the pump from the tank, drainage outlet, level indicator for the water level inside the tank, sieve on the inlet line to the pump to prevent dirt from reaching the pump. Manufactured according to international standards.

Foam tank: stainless steel tank capacity of 600 lit. of concentrated foam with wave inhibitors and reinforcement webs, level indicator to show the fluid level inside the tank. Inlets and outlets for filling and drainage. Foam mixing system around the pump, RTP to insure proper mixing of the foam inside the pump, then it is pumped out through all the outlets. Mixing ratio from 1% to 10%.

Powder Tank: manufactured from steel suitable for high pressure resistance with capacity up to 1 ton of dry powder. The system includes nitrogen cylinders for pushing the powder and also for cleaning after use. The output of the powder cylinder is connected to the two hose reels on both sides of the vehicle as well as an optional power monitor. The control panel is complete with the gauges, pressure dials, powder nozzles and safety valves along with all the needed equipment to operate the system according to international standards.

Reels: 2 hoses of diameter 1". Length of the hose is 30 meters (or upon demand), located on the sides of the pump. The reels are fully equipped with the variable nozzle (perpendicular, foggy, spray, foam).

Cabinets: made out of galvanized steel, similar on the sides of the vehicle, with aluminum sliding doors, equipped with shelves, space to store and fasten needed equipment, also lights at opening the doors (optional).

Water monitor: water monitor for water and foam, water discharge rate of 3000 lit\min at 8 bar, foam discharge rate up to 8000 lit\min at 5 to 7 bar. The water monitor can move horizontally 360° , vertically from -40° to +90°, the discharge rate can be controlled via a speed regulator located in the cabin either manually or electrically (optional).

Control panel: equipped with all the suction and drainage pressure gauges, working hour meter, engine speed regulator, as well as the required readings for operating and a handle for the priming unit.

Sound and light alarm: 2 red flashers and a revolving siren, a full loud speaker with the horn and microphone.

Lights: lights located in the corners and front of the vehicle, pump and control panel.

Fire Arm: a hydraulic arm which moves in all directions and extends up to a height of 17 m. the arm is supported by hydraulic outriggers on the sides of the vehicle to adjust the weight balancing and thus a water monitor can be installed on top of the arm to reach the high spots easily and achieve a much higher horizontal range (optional with an additional price).

Upper Lights: the arm is equipped with a system of strong lights (10 kW) to light the surrounding area to be able to handle night fires. The lights are directed towards the fire arm 360° but it has a higher concentration in the direction of the monitor (optional).

TV Camera: the TV camera is equipped with strong lenses on the boom that can be directed towards any site. The required spot can be zoomed on for more details. The monitors and the control panel are located inside the cabin so that the driver is able to know what is going on around him (delivered with the fire arm).

Infra Red Camera: an extra infra red camera can be installed next to the standard camera to allow visibility through smoke and locate the source of the fire to direct the water monitor towards it and thus reduce the amount of water required to put out the fire before it spreads and increases the losses.

Extra cooling system: extra cooling for the radiator using pressured water from the fire pump without mixing, this guarantees longer working hours for the engine without an increase in temperature especially in hot climates and close to flames.

Compatibility between the speed of the engine and that of the pump, this way full utilization of the pump can be achieved at the economical revolution speed of the engine, this guarantees the maximum length of working time without causing engine fatigue.

Attachments dual treatments: made from galvanized steel, which is coated and painted from the outside to ensure no effect due to the water exposure.

Modifications and upgrades: these are done according to the circumstances and the customer requirements according to the international standard specifications.

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