



The fire-fighting ladder is used for dangerous industrial fires. It is equipped with a 25-m ladder. The crew can operate the ladder and the monitor (water and foam) safely from inside the cabin. The truck is cooled using water sprinklers during fire fighting. A television camera can be installed on top of the ladder to give the crew a wider vision of the fire area. At the same time an infra red camera can be installed to enable the crew to see through the smoke. The truck is equipped according to the NFPA standards.

- Water cooled engine up to 400 HP
- 6X4 traction
- Payload 25 tons
- Extra cooling for the radiator from the pump water (optional)
- 25m ladder, 360° rotation
- Front and rear outriggers for balancing
- Complete control from the cabin
- Upper light upon customer's request
- Galvanized or stainless steel water tank up to 5m<sup>3</sup>
- Main tools are hydraulically operated
- Television camera on top of the ladder, with monitors inside the cabin, an infra red camera (optional)
- Basket at the end of the ladder to safely carry 2 persons
- Additional tools for fire fighting, first aid and rescue
- Water pumps with different discharges depending on customer's request
- Pump protection from heat, pressure and speed
- Up to 2 hose reels 50m length
- Electrical water and foam level indicators
- Control panel and gauges both inside the cabin and next to the pump
- Sliding door cabinets on the sides of the vehicle
- Light around the truck, pump and control panel
- Sound and light alarm and multi melody siren
- Water sprinklers for protection and cooling
- 5 m<sup>3</sup> Stainless steel foam tank
- Monitor on top of the ladder for water and foam, discharge up to 2500 lit/min to be controlled from the cabin or the control panel



**The Pump:** a product of Hale-Godiva. The pump has a discharge capacity up to 2500 lit/min at 10 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 5 m<sup>3</sup> 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. 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 5 m<sup>3</sup> 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%.

**Reels:** 2 hoses of diameter ¾" or 1". Length of the hose is 30 meters (or upon demand), located on the sides of the pump. The hoses 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 2500 lit/min. 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.

**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