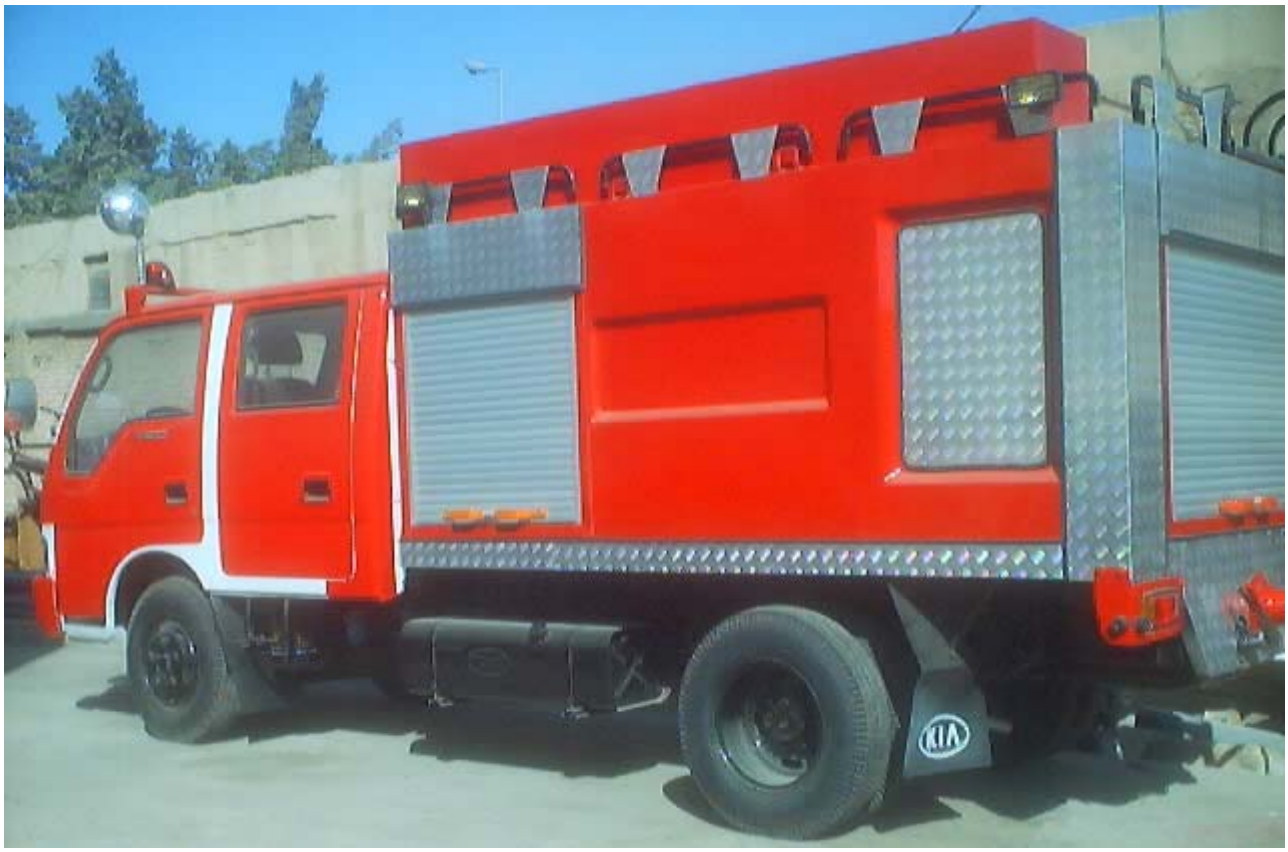
Light Fire Fighting Truck For **Model: LRC**
With electrolab crew cab and Rearship Pump



A light fire fighting truck for fast interference, that could be relied upon solely to reach the fire site before it gets out of hand. The truck is equipped with rearship fire pump, water tanks, foam tanks, water and foam monitor, hose reels and equipment compartments. The vehicle is suitable to operate in residential areas and narrow crowded industrial zones. The vehicle can replace the need for a large fire fighting truck if there is a water supply enough to run the pump. This vehicle works on the Chevrolet , isuzu , mitsubishi , kia and ashokleyland chassis . It is designed according to the American NFPA standards.

- Power up to 120 HP diesel .
- Extra cooling for the radiator from the fire fighting pump.
- crew cab(electrolab), payload up to 5 tons.
- galvanized steel or stainless steel Water tank up to 2000 m^3.
- Water wave inhibitors to break the inertia forces of moving water.
- Lowest possible dimensions for the vehicle.
- Stainless steel Foam tank up to 200 liters.
- Rearship Hale - Godiva pump up to 2000 LPM@ 10 bar & 250 LPM@ 40 bar .
- The pump is suitable for all types of fresh and salt water.
- Pump protection speed, pressure and heat.
- 2 hose reels 30 or 60 m . ¾” or 1” .
- Water and foam monitor discharge up to 1600 lit/min., distance up to 80 m.
- Cabinets with hinged doors.

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- **The Pump:** a product of Hale - Godiva pump that specialized in fire fighting pumps 100 years ago. The pump has a discharge capacity up to 2000 LPM@ 10 bar & 250 LPM@ 40 bar .The impeller is manufactured from aluminium, 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" .
- **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 2000 m^3 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.
- **Foam tank:** stainless steel tank of capacity up to 200 liters 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 and the tank is refilled using either a manual or electrical pump (optional).
- **Reels:** 2 hose reels of diameter ¾" or 1". Length of the hose is 30 meters (or upon demand), located on the sides of the pump. The reels are complete and fully equipped with the variable nozzle (perpendicular, foggy, spray, foam).
- **Cabinets:** identical galvanized steel cabinets on the sides of the vehicle, equipped with hinged doors, shelves, space to store and fasten needed equipment, also lights at opening the doors.
- **Water monitor:** water monitor for water and foam, water discharge rate of 1600 lit\min at 10 bar. The water monitor can move horizontally 360^o , vertically from -15^o to $+75^o$, 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.

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