

Fire Fighting Tractor

FLTR 70/90



The fire fighting tractor can be used alone to reach fire sites quickly and put them out before they spread. It is equipped with a rear fire pump, 2 hose reels, water and foam monitor, and water sprinklers for the roads. It is suitable for rural areas, villages, narrow places and industrial companies. The tractor can also operate in combination with a trailer, which can be equipped with water and foam tanks as well as dry powder and side cabinets. Therefore it can replace a medium fire truck.

- Power up to 71 HP water-cooled
- Diesel engine, 4 cylinders.
- Mechanical gear box, manual transmission, 6 speeds.
- PTO unit behind the tractor.
- 540 rev/min.
- hydraulic brakes with a dry disc and mechanical hand brake.
- Low price
- Does not require special training.
- Easy maintenance.
- Suitable for villages
- Electrolab centrifugal pump with a discharge rate of 1600 lit/min at 7 bar.
- Internal parts made of phosphor bronze.
- Internal shaft made of stainless steel.
- Discharge outlet 4" diameter from tank or an external source.
- 2X2.5" outlets.
- The pump operates with the PTO.
- Cardan shaft, gear box and Suitable for unpaved roads priming unit.

Fire fighting trailer:

- The chassis is manufactured from steel.
- Single or double tires.
- Different capacities.
- Front wheels are mounted on a rotating disk.
- Leaf springs to withstand heavy labor.
- Wide platform for tank loading.

Water Monitor:

- Discharge rate at 1600 lit\min at 7 bar.
- Vertical motion from -15° to +75°
- Horizontal motion 360° (full circle).
- Water and foam monitor (optional).

Projection distance:

- Water 50 m horizontally.
- Foam 30 m horizontally.

Control Panel:

- Manufactured from water resistant steel, complete with suction and drainage pressure gauges.
- Valve and priming controls.

Priming Unit:

- The pump is equipped with an American priming unit.
- Capable of priming water from a depth of 24' in 30 sec through a 4" hose.
- The unit operates on the tractor battery or on the tractor exhaust.
- The unit is separate from the pump which eases maintenance.
- The unit operates during priming time only and thus increases unit's life time.

Sound and light alarm:

- The system is a siren and a revolving flasher.

Water Tank:

- Manufactured from galvanized steel or stainless steel (optional).
- Capacity depends on customer's requirements.
- All welds are double welded.
- Welds are treated with epoxy.
- Water wave inhibitors to break the inertia forces.
- Weather resistant external coating.
- Equipped with all the necessary inlets and outlets according to customer's requirements.

Reels:

- 2 reels made of galvanized steel.
- 2 hoses of diameter ¾" length of the hose is 30 meters (or upon demand).
- The reels are complete and fully equipped with the variable ejector (perpendicular, foggy, spray, foam).
- Can easily be assembled and dismantled.

Nozzles:

- 2 nozzles on the front right and left of the tractor.
- They are used to create a curtain of water in front of the tractor.

Optional Accessories:

- Foam tank: different capacities ratio (1:10) of the water tank.
- Manufactured from stainless steel complete with inlets and outlets.
- Foam mixer: to control the foam to water percentage from 3% to 6% with the possibility of manual control.
- The system is designed so that the pipes can be washed with water (flush out).
- Dry chemical powder: 2X50 kg cylinders or 1X250 kg tank complete with nitrogen cylinders and 2 reels for powder discharge with the gun.