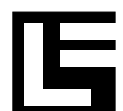


Heavy Fire Fighting Truck with Rearship Pump

PFW-R3000

The heavy fire fighting truck with rearship pump can be used to extinguish different types of fires. The truck is equipped with a water tank, foam tank, powder tank, upper monitor and reels, extra side cabinets to be used for rescue purposes. The truck is suitable for working in ports, residential and industrial areas, airports, gas and power stations. The superstructure can be installed on any of the following chassis: Volvo, Iveco, MAN, Scania, Renault, Kamaz or any other comparable chassis (both in gross vehicle weight and size) depending on the customer's request.

- Diesel engine up to 420HP
- Chassis payload up to 25 tons
- Traction 6X4
- Extra cooling for the radiator from the water pump (optional)
- Single or double cab
- Water tank up to 10000 liters
- Galvanized or stainless steel (optional)
- Upper manhole for filling and inspection
- Internal baffles to break the inertia
- Tank cover can be completely removed (optional)
- Level indicator with the overflow outlet
- Stainless steel foam tank up to 1000 liters with a filling hole
- Powder tank 1000 kg capacity complete with nitrogen cylinders, 2 powder hose reels (20 m), powder gun, control panel and safety valve
- Different size rearship pumps depending on customer's request
- Pumps are suitable for all water types
- Pump protection from pressure, speed and heat (optional)
- Priming unit 24 feet depth in 30 seconds
- 4 or 6 2.5" discharge outlets
- Intakes of requested type and quantity
- 30 m water hose reel 3/4" (optional 2)
- Upper monitor for water and foam up to 3000 lit/min distance up to 80 m
- RTP foam system 1% to 10%
- Sliding door side cabinets (optional)
- Extra cabinets for rescue purposes at extra cost
- Light around the truck, pump and control panel



The Pump: a product of Hale-Godiva. The rearship pump has a discharge capacity up to 6000 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 10 m³ with baffles 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 10m³ 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 tons 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 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 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.

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.