



VIJAY FIRE VEHICLES AND PUMPS LTD.
The power behind the fighter

PORTABLE FIRE PUMP



VIJAY GROUP

Vijay Group, established in 1959, is a reputed business Group in the Fire Industry in India that specializes in a host of Safety, Security and Automation Systems to meet its client's specifications.

VIJAY FIRE VEHICLES AND PUMPS LTD.

Vijay Fire Vehicles and Pumps Ltd. is one of the leading manufacturers of Fire Vehicles, Specialized Vehicles, Pumps, DCP Skids, Nitrogen Quads and other allied equipments. We are pleased to introduce a range of Environmental Vehicles for the indian market.

CHASSIS

'Vijay' Trailer Pump Consist of Single or Two stage centrifugal fire pump of capacity 1800 LPM at 7 Kg/Cm² pressure, directly coupled engine. The impeller is well balanced. The pump is provided with mechanical carbon seal which does not require any adjustment during use. Drain plug is provided at the bottom for draining.

PUMP DETAILS ARE AS BELOW

- (a) Pump Casing : G.M.
- (b) Impeller : Leaded tin bronze / G.M.
- (c) Pump Shaft : Stainless Steel
- (d) Trailer Frame : Suitable M.S. Section
- (e) Axle
- (f) Engine Lever & Pump Pannel : M.S. Sheets

PRIMER

The pump is fitted with a twin piston reciprocating primer capable of lifting water from 7 m at NTP conditions.

ENGINE

HA 494 Kirloskar / S-433 Simpson / TATA-494 Cylinder diesel engine as per engine manufacturer's specifications is utilized for driving the pump.

COOLING SYSTEM

The S-433 and TATA-494 engine is fitted with indirect Cooling system of open circuit type. The cooling system consists of Intercooler incorporating Copper Coils. Water for cooling the tank shall be fed from the main pump intercooler and fitted with a control valve. HA 494 is air cooled engine.

FUEL TANK

A fuel tank of 60 litres capacity with a stopcock is provided near the engine and is entirely separate from the Water tank.

TRAILER CHASSIS

Chassis is constructed out of M.S. Channels mounted on two detachable wheels having leaf springs and shock absorbers. The tyres are pneumatic and weight of the engine and pump is equally distributed on the chassis to ensure free movement. Provision has been made to carry suction hose and ancillary equipment with the unit. Two jack legs in the rear and one in the front capable of being lowered into position are provided for steady operation when pumping or standing unattached. Hook type towing arrangement is fitted to the unit and fitted with spring loaded bracket and over run device operating automatically the brake mechanism.

CONTROL PANEL

The illuminated pump panel provided adjacent to suction eye and delivery valve include the following instruments:

- (a) Ignition Switch
- (b) Throttle Control
- (c) Ammeter
- (d) Compound Gauge
- (e) Temperature Gauge
- (f) Oil Pressure Gauge
- (g) Press Button Key Type Self Starter
- (h) Pump Panel Light
- (i) Primer Control
- (j) Spot Light Adjustable With Switch

EQUIPMENT

The following equipments are supplied along with the Trailer Fire Pump:

- (1) 2 Lengths of 4.5 m each 100 mm size suction hose fitted with Gun Metal round thread suction couplings
- (2) One 100 mm size round thread metal strainer
- (3) One basket strainer with canvass skirt
- (4) One pair of Suction Wrenches

FINISH

Trailer Pump is finished with post office red colour.

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