



RHINO TRAILER MOUNTED FIRE FIGHTING PUMP

1800 LPM to 6000 LPM



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Technical Specifications for Trailer Mounted Fire Pump

Sr. No.	Description	Pump Models			
		RTFP-2000-D	RTFP-3000-D	RTFP-4000-D	RTFP-6000-D
Pump Specifications					
1	Pump Capacity	2000 LPM @ 10 Bar	3000 LPM @ 10 Bar	4000 LPM @ 10 Bar	6000 LPM @ 10 Bar
2	Priming System	Automatic E-Primatic Priming System. Operated with Electromagnetic Clutch & Control Panel			
3	Pump MOC	Aluminium / Gunmetal / Stainless Steel Combination as per requirement			
4	Pump Suction	100mm X 1 Nos. BSRT	140mm X 1 Nos. BSRT	140mm X 1 Nos. BSRT	140mm X 2 Nos BSRT
5	Pump Discharge	2 Nos X 63mm SDT Valves	4 Nos X 63mm SDT Valves	4 Nos X 63mm SDT Valves	6 Nos X 63mm SDT Valves
6	RPM Step Up Gear Box	Applicable as per required ratio			
7	Mechanical Seal	Self Adjusting Mechanical Carbon Seal Dry run 2 Minutes			
8	Maximum Suction Lift	Up to 8 meters @ sea level			
Pump MOC					
1	Pump Volute Casing	Aluminium / Gunmetal / Stainless Steel			
2	Pump Shaft	Stainless Steel 304			
3	Delivery Valves & Outlet Manifold	Stainless Steel CF8			
4	Impeller	Stainless Steel CF8			
5	Impeller Waring Rings	Polymer Based			
6	Suction Inlet	Stainless Steel 304 / CF8			
Pump Priming					
1	Type	Positive Displacement Twin Piston Reciprocating Priming System. Operated by 12 or 24V Electromagnetic Clutch			
2	Control	Auto / Manual Priming Controller with Sensor attachment.			
3	Working	Arrangement made to actuate the primer in manual and auto modes. When operating in manual mode, primer shall be engaged through control panel, only when it is needed. When operating in auto mode , primer must be actuated through control panel and must automatically re-engage when pressure is lost			
4	Disengagement	In both operating modes the primer shall disengage automatically at a pump discharge pressure of not more than 0.8 bar.			
Engine Specifications					
1	Engine Make	Ashok Leyland Make or Equivalent			
2	Engine Power	88 HP	130 HP	170HP	220HP
3	Engine Type	12 / 24 Volts Water Cooled			
4	Starter	Battery Operated Electric Starter			
5	Fuel Tank	Up to 70 Liters	Up to 90 Liters	Up to 150 Liters	Up to 170 Liters
6	Transmission	Flexible Holset Coupling from engine to pump			
Trailer Specifications					
1	Fabrication Work	All skid, Canopy & fuel tank made with M. S. Powder Coated / Painted RED, Black & Gray color			
2	Suspensions	Leaf Springs with Shock Absorbers			
3	Wheels	2 Nos. Cross-Country type 6 X 16 – 6/8 Ply	2 Nos. Cross-Country type 6 X 16 – 6/8 Ply	4 Nos. Cross-Country type 6 X 16 – 6/8 Ply	4 Nos. Cross-Country type 6 X 16 – 6/8 Ply
4	Towing	Towing Eye – ID 75mm Fix Mounted	Towing Eye – ID 75mm Fix Mounted	Towing Eye – ID 75mm & adjustable above ground level	Towing Eye – ID 75mm & adjustable above ground level
5	Tool box	Fabricated tool box for carrying small tools & accessories. Special arrangement for suction hose mounting along with all equipment			
6	Parking Jack	3 or 4 Jacks for Height Adjustment and Stability			
7	Lifting Provision	4 Lifting Eyes			
8	Manual Handling	2 Nos. foldable manual handling bars provided			
Control Panel					
1	Instruments & Gauges	Pressure Gauge, Hours Meter, Compound Gauge, Ampere Meter, Throttle Control, Ignition Switch, Low Lube Oil Pressure Indicator, Engine ON/OFF, Battery Charging Fail Indicator, Engine Cooling Water Temp Gauge, Panel Light, Fuel Tank Level Gauge, Search Light, Emergency Stop, Engine RPM.			
Accessories					
	Type	As per requirement of customer			