

IMPORTANT FEATURES IN
SPECIFICATION FOR PORTABLE FIRE FIGHTING PUMP AS PER IS 12717 : 1989

<u>ENGINE</u>		
CAPACITY	The engine shall have not less than 3 cylinders and shall conform to IS 10004 : 1981 and shall have sufficient power to give the required output i e 1100-1600 l/min at pressure 7 kgf/cm ² .	
COOLING SYSTEM	Water cooling system	
FUEL TANK CAPACITY	The engine fuel tank shall have the capacity to allow running of pump for minimum one hour continuously at the rated output.	
STARTING SYSTEM	The engine shall be electric start with 12 V battery of 92A capacity and provided with a well-designed hand starting backup device, preferably of recoil rope type. The engine shall be fitted with generator/alternator for charging 12 V battery.	
<u>PUMP</u>		
TYPE	The pump shall be single –stage centrifugal type directly mounted to the engine and driven preferably through a flexible coupling.	
DISCHARGE PORT COUPLING TWIN OUTLET	02 numbers of 63 mm instantaneous female gun metal couplings with screw down valves	
SUCTION PORT COUPLING	100 mm round threaded male coupling	
PRIMING	Primer should be capable of lifting water from a depth of 7m in 30 seconds. The primer shall be preferably exhaust gas ejector type operated by the priming lever	
IMPELLER	The impeller shall be dynamically balanced and pump shall be hydraulically tested to a pressure of 16.5kgf/cm ² for a period of 2 minutes.	
PUMP PERFORMANCE	The rated value 1100 to 1600 l/min at 7 kg /cm ²	
<u>GENERAL</u>		
WEIGHT	The total weight of the unit with fuel shall not exceed 130 kg	
Accessories	Qty.	
Suction hose	02Nos/04 Nos	100mm suction hose in 4.5 /2.5m length with 100mm dia gun metal male and female threaded couplings.
Suction strainer	01 No.	For 100 mm dia suction hose
Basket strainer	01 No.	Suitable for 100 mm dia suction hose
Suction wrenches	01 Pair	Suction wrenches for 100mm suction hose couplings
Adapter	01 Nos	63mm male instantaneous coupling to 100mm female suitable threaded
Tools	01 kit	A tool kit comprising all essential tools required for normal maintenance