

TRAILER PUMP

1800 LPM, DIESEL ENGINE, EXHAUST EJECTOR PRIMER



Portable Firefighting pump units are intended for primary firefighting i.e. tackling small size fires, dewatering, and similar purposes. The unit consists of a centrifugal pump, a diesel engine prime mover, priming arrangement for the pump, a lightweight frame for mounting the pump and engine and other arrangements necessary for operation of the pump.

Brief Description : AAAG Trailer Firefighting pump unit, 1800 lpm capacity @ 7.0 kgf/cm², consisting of MAHINDRA, 58 HP Diesel engine, 3200 rpm (or equivalent), coupled to Gunmetal single stage, centrifugal pump, and provided with an exhaust ejector primer. Pump inlet is 4" MRT, while outlets are 2 x 2.5" Inst. Female adaptor. Pump Control Panel shall be provided.

1.0 GENERAL DATA

1.1	Make	AAAG Trailer pump
1.2	Engine Model	MAHINDRA, Diesel (HSD), 58 HP, 3200 rpm, Air cooled (or equivalent)
1.3	Pump Model	1800 lpm @ 7.0 kgf/cm ² , Centrifugal pump, Single stage
1.4	Inlet	4.0" MRT
1.5	Outlet	2 Nos. x 2.5" Female Instantaneous adaptor
1.6	Reference Standard	IS:944

2.0 MATERIAL OF CONSTRUCTION

2.1	Pump Volute	Gunmetal, IS:318 LTB2
2.2	Pump impeller	Gunmetal, IS:318 LTB2
2.3	Trailer	Carbon (Mild) Steel Channels/Angles
2.4	Pump seal	Mechanical Carbon seal
2.5	Ejector Primer	Gunmetal, IS:318 LTB2

3.0 TESTING AND QUALITY CONTROL

3.1	Dimensional check	As per SBJ Drawing
3.2	Performance Requirements	H.P. testing of Pump body at 25 kgf/cm ² for 2.5 minutes To meet flow & output requirements- 1800 lpm @ 7.0 kgf/cm ² & other operational requirements as per IS:944
3.3	Documentation	Internal inspection report, supplier's certificates, approved laboratory test certificates

4.0 OPERATIONAL/ TECHNICAL DATA

4.1	Working pressure range	0 to 8.0 Kg/cm ²
4.2	Priming System	Exhaust Ejector, Manual
4.3	Operation procedure	Refer Operation & Maintenance Manual
4.4	Equipment/Accessories	As per IS:944

5.0 FINISH

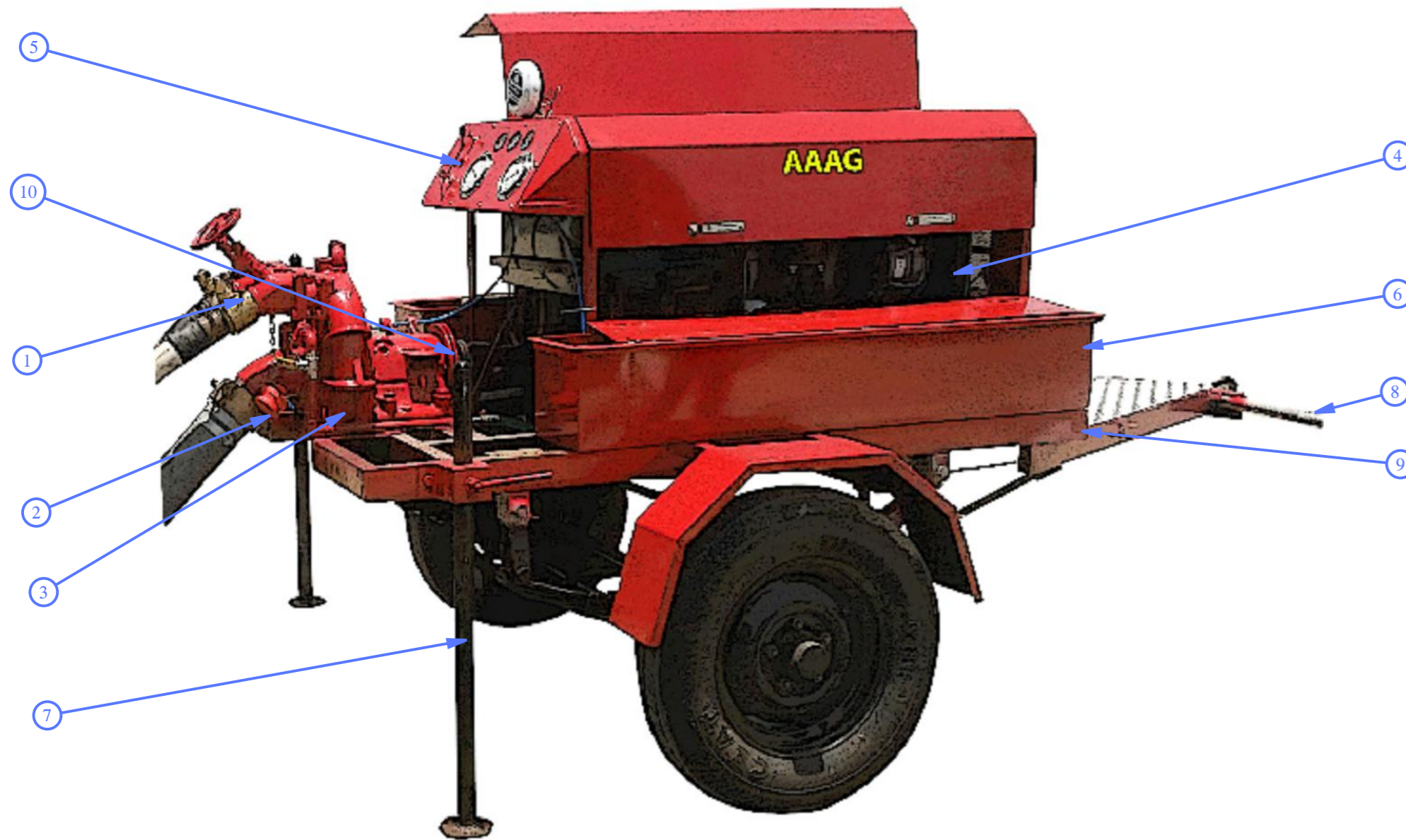
5.1	Pump body	Painted (P.O. Red colour)
5.2	Trailer/Engine Cover Panels	Painted (P.O. Red colour)

6.0 APPROVALS & MARKING

6.1	Approvals	--
6.2	Marking on Trailer Pump	AAAG/ Year of Mfg./ Sl. No/Pump Capacity

7.0 WARRANTY

7.1	Warranty & Guarantee	12 Months from the date of supply
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1	Pump Outlet	G.M IS:318 LTB-2
2	Pump Inlet	G.M IS:318 LTB-2
3	Pump Body	G.M IS:318 LTB-2
4	Engine	58 HP Diesel
5	Control Pannel	-
6	Storage Box For Suction Hose	-
7	Stebilizing Jack	M.S
8	Towing Handle	M.S
9	Trailer	M.S Channels / Angles
10	Universal Joint	-
NO.	DESCRIPTION	MATERIAL
PART LIST		



Shah Bhogilal Jethalal & Bros.

AHMEDABAD

TITLE :

**Trailer Pump 1800 LPM,
Diesel Engine, Exhaust Ejector Primer**

SCALE

DRAWING NO:

SHEET

REV.

N.T.S

M303-1800AS

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