

PORTABLE PUMP

275 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 Portable Firefighting pump unit, 275 lpm capacity @ 4.0 kgf/cm², consisting of GREAVES (or equivalent), 8.3 HP Diesel engine, 3000 rpm, air cooled. Engine coupled with lightweight aluminium alloy centrifugal pump, provided with an exhaust ejector primer. Pump inlet is 3" MRT, while outlet is 2.5" Instantaneous Female adaptor.

1.0 GENERAL DATA

1.1	Make	AAAG Portable pump (Diesel engine operated)
1.2	Engine Model	GREAVES, Diesel (HSD), 8.3 HP, 3000 rpm, Air cooled (or equivalent)
1.3	Pump Model	275 lpm @ 4.0 kgf/cm ² , Centrifugal pump, Single stage
1.4	Inlet	3.0" MRT
1.5	Outlet	2.5" Female Instantaneous adaptor
1.6	Reference Standard	IS:942

2.0 MATERIAL OF CONSTRUCTION

2.1	Pump Volute	Light Aluminium alloy, IS:617-1975
2.2	Pump impeller	Light Aluminium alloy, IS:617-1975
2.3	Engine frame	Carbon (Mild) Steel Tubular frame
2.4	Pump Inlet/ Outlet	Gunmetal, IS:318 LTB2
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	To meet flow & output requirements- 275 lpm @ 4.0 kgf/cm ²
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 4 Kg/cm ²
4.2	Dimensions (approx)	27" (L) x 24" (W) x 35" (H) approximately
4.3	Weight (approx.)	32 kgs

5.0 FINISH

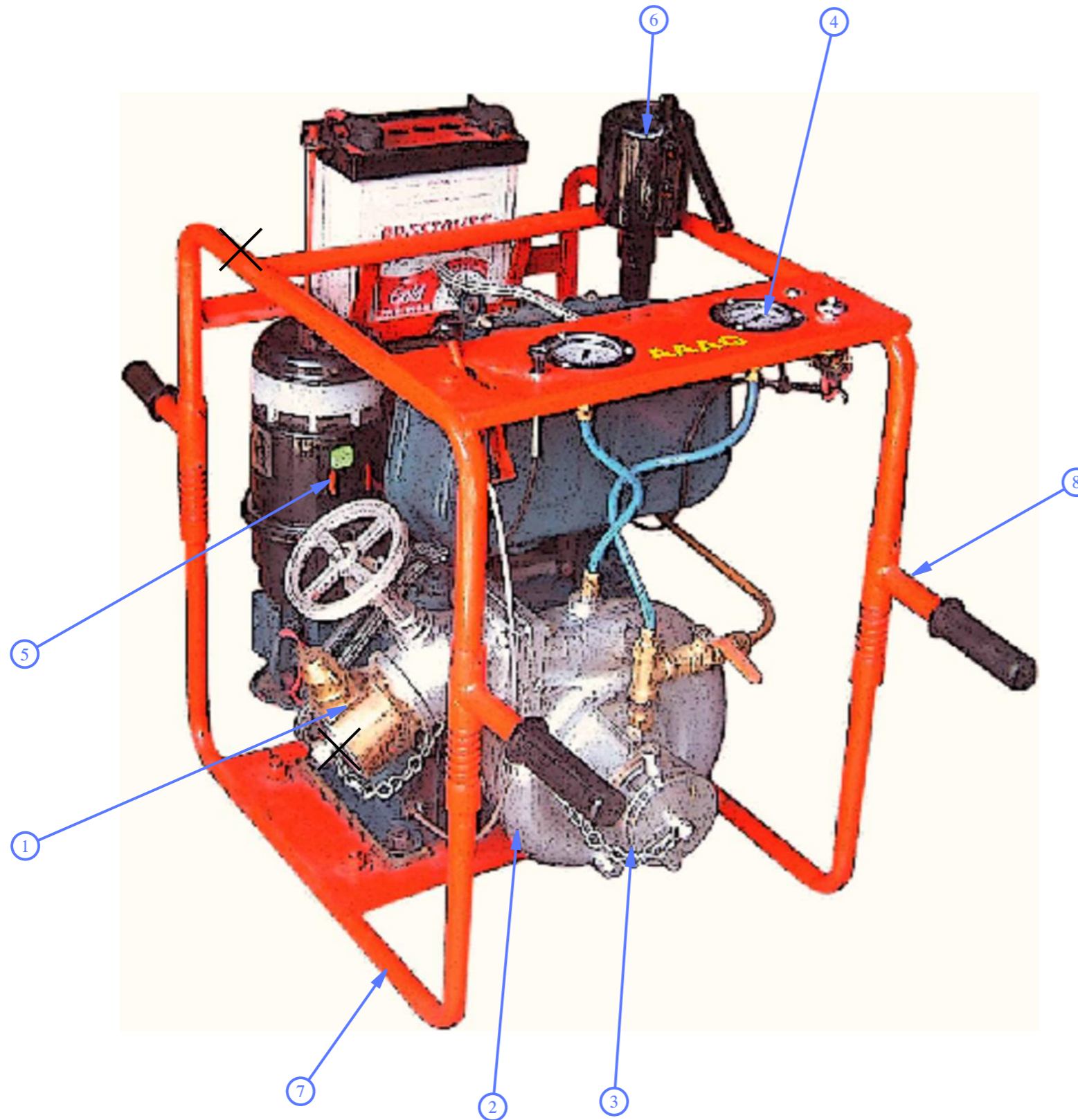
5.1	Pump body	Painted (Silver Gray colour)
5.2	Frame	Painted (P.O. Red colour)

6.0 APPROVALS & MARKING

6.1	Approvals	--
6.2	Marking on Pump set	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 Body	Alu. IS: 617
3	Pump Inlet	G.M IS: 318 LTB-2
4	Control Pannel	-
5	Engine	8.3 HP Diesel
6	Exhaughe Ejector Lever	M.S
7	Pump Tubular Frame	M.S
8	Carring Handles	M.S
NO.	DESCRIPTION	MATERIAL
PART LIST		



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AHMEDABAD

TITLE :

Portable Pump 275 LPM,
Diesel Engine, Exhaust Ejector Primer

SCALE

DRAWING NO:

SHEET

REV.

N.T.S

M303-275BJ

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