

PORTABLE PUMPSET

225 LPM

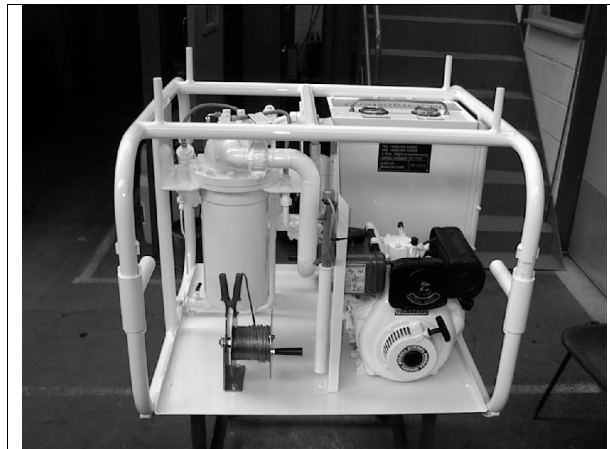
Specification No FS

fluid transfer
international

225 LITRES /MINUTE

PORTABLE AIRCRAFT / HELICOPTER FUELLING PUMPSET

This specification briefly defines the main attributes of our Portable Aircraft/Helicopter Fuelling Pumpset. The unit, subject to optional hose equipment, is suitable for overwing/underwing refuelling of small fixed and rotary wing aircraft at flow rates of up to 225 Litres/Minute. Fuel can be drawn from either flexible tanks or drum stock.



The pumpset is designed to be compact and portable by two men. The unit is engine driven and incorporates a self-priming pump; filter water separator, bulkmeter and quick disconnect couplings for the attachment of suction and delivery hoses.

The main pumpset components are as follows: -

1. Yanmar L40AE-D Single cylinder, 4-stroke, air-cooled diesel engine equipped with a recoil rope starter and exhaust spark arrestor. With dual fuel capability, to run on Avgas thus removing the need for two fuel stocks.
2. Close coupled, self-priming centrifugal product pump constructed in cast iron and equipped with a mechanical shaft seal. The pump has an integral self-balancing shaft reducing noise and vibration (Stork FREM 32-150).
3. Filter water separator to commercial or military specifications (2 or 3 stage, customer to specify) complete with air eliminator, sump drain/sample valve and piston type differential pressure gauge (Faudi).
4. Turbine flow meter accurate to $\pm 2\%$ equipped with a mechanical register with a resettable counter and non-resettable totaliser. With 4 digit display.
5. Lever operated suction isolating valve equipped with a 1.1/2" male Kamlock type adaptor and drip cap.

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6. Lever operated delivery isolating valve equipped with a 1.1/2" male Kamlock type adaptor and drip cap.
7. Pump suction pressure gauge – glycerine filled.
8. Pump delivery pressure gauge – glycerine filled.
9. Integrated emergency hand operated pump.

All of the above equipment is housed within a robust, lightweight aluminium skid frame. The frame incorporates a firescreen between the pump and engine assembly and drip tray under all of the equipment. All main pipework is constructed in stainless steel with connections between the pump/filter and filter/meter made by victaulic clamps. The pumpset is fitted with four swivelling handles to aid portability.

The unit is also equipped with the following ancillary items: -

- Earthing spike and bonding cable.
- Manual rewind bonding reel fitted with 15 metres of PVC sheathed copper cable terminating in a robust alligator clip.
- 2 Kg Dry powder fire extinguisher and stowage.
- Instruction plate.

The pumpset will be finish painted in a single pack paint system in a colour to suit customer requirements.

The pumpset will be supplied with the following documentation: -

- Certificate of Conformity.
- Operator's Handbook.
- Maintenance Instructions.

OPTIONAL EQUIPMENT

Hose Accessories

- 20ft 2" suction hose with hose unit FH070AEZ01 manufactured by Fulcrum.
- 25ft 1.5" delivery hose.
- Trigger nozzle manufactured by Elaflex ZVF40 with spout.
- All hoses complete with fittings.

PUMPSET DIMENSIONS

Width = 950mm
Depth = 910mm
Height = 770mm
Weight = 165 Kgs (WET)
Weight = 125 Kgs (DRY)