



Fire Fighting Truck, Airfield, Foam, 3 Ton, 4 x 4, Mk 8, Bedford, RLHZ3 Mk 8

PURPOSE:

- Designed for aircraft fire fighting and is fitted with a cab mounted monitor, supplied with foam by a water pump and air blower, powered by an independent auxiliary engine. Foam production and auxiliary engine are controlled by the monitor operator from the cab. Separate controls are provided for the pumping of water only. The vehicle has on/off road capability

ENGINE (chassis):

- Bedford 4927cc, 6 cylinder, liquid cooled, gasoline, developing 99.28kw (133bhp) at 3400rev/min, compression ratio 7:1

ENGINE (auxiliary):

- Jaguar, 4235cc, 6 cylinder, gasoline, developing 141.8kw (195bhp) at 5000rev/min. Liquid cooled using inter-cooler to circulate water pumped from the main water tank through engine coolant and lubrication system

CAPACITIES:

- Fuel (for both engines) - 54.55 litres
- Coolant (Bedford) - 25.01 litres
- Oil (Bedford engine and filter) - 11.36 litres
- Coolant (jaguar) - 15.90 litres
- Oil (jaguar engine and filter) - 11.93 litres

ELECTRICAL SYSTEMS:

- 2 separate circuits are provided. Vehicle chassis circuit is 12V DC single pole, positive earth and provides cab lighting, searchlights, lockers, warning lamps and auxiliary engine starting. An AC mains supply is connected by a rear mounted quick release plug to power the auxiliary engine, immersion and body heaters and for the trickle charging of the battery

BRAKES:

- **Foot** - Hydraulic, vacuum servo-assisted on all wheels
- **Hand** - Mechanical, on rear wheels only

WHEELS & TYRES:

- 3 piece fitted with 11.00 – 20, 16 – ply, cross country tread tyres

TOWING CONNECTIONS:

- Recovery loops front and rear

CAB & BODY:

- The forward part of the body combines a totally enclosed cab with accommodation for driver and 2 crew members, with access by folding doors. Access to the monitor and foam production controls are through a hatch in the cab roof. Stowage lockers are provided each side for hose and rescue equipment. Access to water production controls, tank filling connections, and rear mounted auxiliary engine is through hinged panels, while the rear compartment roof lifts off to give access to the pumping equipment. Fixed rear mounted ladder give access to roof

EQUIPMENT:

- Besides the normal fire fighting equipment, the vehicle carries a 2091 litre tank of water and 364 litres of foam. An auxiliary engine is directly coupled to a water pump and air blower which supply the monitor and sidelines through a mechanical foam generator. Also carried is a 45 litre BCF extinguisher with 61m length of hose, an 11.4kg dry powder extinguisher and a 4.5kg CO2 extinguisher. Suction hose and an extending ladder are carried on the roof

OUTPUTS:

- **One sideline** - 7273 litres
- **Two sidelines** - 14547 litres
- **Monitor** - 11365 litres
- **Duration without replenishment (max)** - 22730 litres

DIMENSIONS:

- **Overall length** - 6.45m
- **Overall width** - 2.74m
- **Overall height** - 3.25m
- **Wheelbase** - 3.96m
- **Turning circle** - 18.28m
- **Ground clearance** - 0.30m

WEIGHT:

Laden

- FAW - 3340kg
- RAW - 5042kg
- Total - 8382kg

Fact sheets supplied by Chris Spraggins
<http://www.manstonfiremuseum.com>