



**Fire Fighting Truck, Airfield, Foam, 5 Ton, 6 x 6, Thornycroft,
TBA/B81
Mk 7**

**Fire Fighting Truck, Airfield, Foam, 5 Ton, 6 x 6, W/Automatic
Gearbox, Thornycroft, TBA/B81
Mk 7A**

PURPOSE:

- The vehicle is designed for rescue operations on crashed aircraft and for fire fighting duties. The vehicle can be used on the road or under cross country conditions and can be waded to a depth of 0.76m without special preparation.

ENGINE:

- Rolls-Royce B81, 6522cc, 8 cylinder, gasoline, liquid cooled, developing 175.24kw (235bhp) at 4000rev/min, compression ratio 6.5:1

CAPACITIES:

- Fuel - 118.19 litres
- Coolant - 31.82 litres
- Oil (engine and filter) – 17.05 litres
- Foam tank - 500 litres
- Water tank - 3182 litres

ELECTRICAL SYSTEMS:

- 2 separate systems are fitted, a 24V DC circuit for the chassis lights and auxiliaries, a 240V 50 cycle AC circuit for the mains operated equipment which is used to keep the vehicle prepared for immediate response

BRAKES:

- Foot - Hydraulic, air pressure assisted on all wheels
- Hand - Mechanical, operating through rod and levers on the 4 rear wheels

WHEELS & TYRES:

- 2 piece, divided type disc wheels fitted with 14.00 – 20, 18 – ply, cross country tread tyres

TOWING CONNECTIONS:

- Front - Towing eyes for recovery only

CAB & BODY:

- Houses the driving controls, foam mixing controls, and the controls for filling the water and foam tanks. An observation hatch on the cab roof provides access for operation of the foam monitor

EQUIPMENT:

- The fire fighting equipment includes a 500 litre foam compound tank and a 3182 litre aluminium tank of water. The supply from the foam or water tank can be controlled by the use of either the controls in the driver's cab or duplicate set of controls located in the rear locker. Provisions is made for foam to be dispensed through hand lines and / or through the foam monitor in the cab roof

A chlorobromo-methane 72 litre container is also carried and pressurised to 125 lbf/in² through a reducing unit situated between the CB container and a cylinder of nitrogen gas, pressurised at 1800 lbf/in²

DIMENSIONS:

- Overall length - 7.62m
- Overall width - 2.43m
- Overall height - 3.14m
- Wheelbase (centre of front axle to centre of rear axle) - 3.05m
- Turning circle - 15.24m

WEIGHT:

Laden

- FAW - 4387kg
- Mid-axle weight - 4489kg
- RAW - 4295kg
- Total - 13171kg

Fact sheets supplied by Chris Spraggins

<http://www.manstonfiremuseum.com>