



Firefighting Truck, 5 ton, 6 x 6, Water, Foam DP, Mk 3, W/Monitor Thornycroft TFA/B81

PURPOSE:

- Supplementary water carrier to support foam type fire crash vehicles by rapid transfer of water to the fire truck. May also be used as a foam crash truck under emergency conditions. Carries approx. 4337 litres of water and 250 litres of foam. The vehicle is also air transportable

ENGINE:

- Rolls-Royce, B81, 6522cc, 8 cylinder, gasoline, liquid cooled, developing 175.24kw (1235bhp) at 4000rev/min. Compression ratio 6.5:1

CAPACITIES:

- Fuel - 90.91 litres
- Coolant - 32.82 litres
- Oil (Engine and Filter) - 17.04 litres

ELECTRICAL SYSTEMS:

- 2 separate electrical systems are fitted. A 24V, single pole, system is used for chassis lights and auxiliaries. The ignition being 12V obtained by a ballast resistance being incorporated in the 24V system and a 240V AC mains system which keeps 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, 14.00-20, 18 ply, cross-country tread tyres

CAB & BODY:

- Houses the driving, foam mixing, and the pump delivery controls. An observation hatch on the cab roof provides access for operating the foam monitor. The body is designed for stowage of loose items of fire rescue equipment and for mounting fixed components for fire fighting operations. Access to the pumping department is provided at the rear of the body

FIRE FIGHTING EQUIPMENT:

- Besides carrying the standard fire fighting equipment, the vehicle is equipped with a 4337 litre tank of water and a 250 litre tank of foam compound. The supply of these tanks can be controlled by the use of either the controls in the driver's cab or by the duplicate set of controls located in the rear locker. The foam monitor is operated from the cab only. A Coventry Climax single stage centrifugal pump is driven from a PTO

OUTPUTS:

- Water transfer to foam tender - 2727 litres p/min
- Water/foam mixture to monitor - 1818 litres p/min

TOWING CONNECTIONS:

- Front - Towing eye for recovery purpose only
- Rear - Provision for light trailer towing

DIMENSIONS:

- Overall length - 6.59m
- Overall width - 2.33m
- Overall height (w/extended lamp) - 3.73m
- Wheelbase (mean) - 3.73 m
- Ground clearance - 0.40m
- Turning circle - 22.55m

WEIGHT:

- FAW - 4074kg
- RAW - 9490kg
- Total weight - 13564kg

Fact sheets supplied by Chris Spraggins

<http://www.manstonfiremuseum.com>