



Airfield Crash Rescue, 1 ton, 4 x 4, Rover, TACR 1

PURPOSE:

The airfield crash rescue truck carries a crew of 3, 2 in the cab and 1 at the rear, and is designed to fulfil 3 main functions:

- a. Immediate rescue from crashed aircraft
- b. Capable of acting in an unsupported role on advanced airfield operating with Harrier aircraft
- c. Capable of dealing with aircraft engine fires

ENGINE:

- Rover 2.286cc, 4 cylinder, liquid cooled, gasoline, developing 60.5kw (81bhp) at 4,250rev/min, compression ratio 8:1

CAPACITIES:

- Fuel - 45.46 litres
- Coolant - 9.20 litres
- Oil (engine and filter) - 6.25 litres

ELECTRICAL SYSTEMS:

- 2 separate systems are provided. A 12V single-pole, negative earth for the chassis lights and equipment, an external mains charging system for the trickle charging of the battery and the heating of the immersion and pipe heaters

BRAKES:

- **Foot** - Hydraulic operating on all wheels
- **Hand** - Mechanical, operating on transfer box output shaft

WHEELS & TYRES:

- Divided/well base rim 5.50E – 16 fitted with 9.00 – 16, 6 ply, and standard tread tyres

BODY:

- Totally enclosed all metal cab, with observation hatch in the double skinned tropical roof. Safety straps fitted behind cab seats. Radio/telephone in cab. Floodlight and searchlight mounted on top of cab

EQUIPMENT:

- A semi-open truck with stowage lockers each side and at the rear. Carries a centre seat at rear for the 3rd member of the crew. Equipped with 454 litres tank of light water for fire "knockdown", a 7.25kg BCF first aid fire appliance, one 11kg dry powder extinguisher, two hand BCF extinguisher and two 36.57m of 31.75mm bore hose, portable pneumatic chisel with two cylinders of compressed air and other rescue tools and extending ladder 3.30m – 6.09m is also carried on top

DIMENSIONS:

- Overall length - 4.42m
- Overall width - 1.92m
- Overall height - 2.59m
- Ground clearance - 0.25m
- Turning circle - 13.72m

WEIGHT:

Laden (including crew of 3)

- FAW - 1143kg
- RAW - 996kg
- Total - 2139kg

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