



THE REDWING TYPE FT/7 FIRE APPLIANCE

As approved by
The ROVER CO. LTD.



- Designed for 'off the road' conditions with large entry and exit angles and ground clearance.
- Rearward facing crew seats for safety.
- Transverse locker for equipment—large Hose Lockers.
- 150-gallon First Aid Tank.
- Easily removable water tank and mechanical components.
- Large 'working' roof area.
- Stowage for four lengths of 4 in. suction hose and up to 35-foot ladder.

ALL ENQUIRIES SHOULD BE ADDRESSED TO

CARMICHAEL & SONS (WORCESTER) LTD. GREGORY'S MILL STREET . WORCESTER

Telephone WORCESTER 21383 (2 lines)

SPECIFICATION

APPLIANCE

BODYWORK. All aluminium, with fibreglass cab roof. Lockers fitted with roller shutters. This construction provides a strong rigid structure.

PUMPS. K.S.B., 350 g.p.m., Coventry Climax 300 g.p.m. and 500 g.p.m. Hose reel pumps, low and high pressure. Pumps are normally positioned amidships in the chassis, with the control panel on the nearside or offside according to requirements. All pumps except hose reel pumps, may be rear mounted if required.

WATER TANK. Max. 150 gallons capacity, baffled, mounted over Rear Axle. Tank filler line and water level gauge provided. For continual "off the road" operation water must be reduced to 100 gallons maximum.

HOSE REEL. Is rear mounted, containing 120 ft. of $\frac{3}{4}$ " bore with shut off branch. An isolating valve is provided in the feed to the reel. Up to 180 ft. of hose can be supplied if required.

STOWAGE. Four 8 ft. or 10 ft. lengths of 4" Suction Hose and a light alloy ladder can be carried on the roof, the suction hose in enclosed roof ducts. Two hose lockers and a full width transverse equipment locker are provided. Alternative stowage layouts are available according to requirements.

CREW ACCOMMODATION. Seating for 4 crew, 2 in front and 2 behind on rearward facing seats. 4 hinged doors are provided to give ease of entry and exit.

FINISH. Fully painted red, or a combination of red and natural finish stucco alloy. All external steel components heavily galvanised.

EXTRA EQUIPMENT. Bells, sirens, horns, beacons, flashing lights, etc., are available according to requirements, together with all other Fire Service Equipment.

SHIPPING DETAILS

LENGTH	16' 7"
WIDTH	5' 6"
HEIGHT	8' 9" (with ladder)
WEIGHT	5264 lbs. (approx.)

CHASSIS

CHASSIS. Welded fabricated box section side and cross members, providing great torsional and diagonal rigidity. The body is mounted on outriggers welded to side members. The front forward control extension is fabricated in the same manner as the main chassis. Acon Helper Rubber Springs are fitted in addition. Four wheel drive is provided, automatically selected when transfer box low ratio is engaged. Drive to front axle optional with high ratio engaged; this is selected by an independent lever.

POWER UNIT. Four cylinders. Overhead inlet and exhaust valves. Bore 90.49 mm. (3.562 in.), stroke 88.9 mm. (3.5 in.), capacity 2,286 c.c. (139.5 cu. in.). Maximum B.H.P. 77 at 4,250 r.p.m. Maximum torque 124 lb ft. (17 mKg.) at 2,500 r.p.m. Compression ratio 7 to 1. Cylinders cast integral with crankcase. Detachable cast iron cylinder head carrying all valve gear. Forged steel 3-bearing crankshaft fully balanced and counterweighted. Copper-lead main and big-end bearings. A distributor cut-out limits the engine speed to 4,200 r.p.m.

GEARS. Main gearbox and a two speed transfer box give eight forward speeds and two reverse.

CLUTCH. Diaphragm spring single dry plate, $9\frac{1}{2}$ " in diameter, hydraulically operated by pendant pedal.

BRAKES. Hydraulically operated servo assisted foot brakes requiring light pressure on the pendant pedal. Two leading shoe brakes on front wheels. Mechanically actuated handbrake operates on transmission shaft to rear axle.

TYRE SIZE. 900 x 16.

COOLING SYSTEM. By pump and fan, thermostatically controlled. Additional cooling is provided by an oil/water cooler working in conjunction with the fire pump enabling long periods of pumping to be maintained. Capacity 22 $\frac{1}{2}$ pints (12.8 litres.) Pressurised.

ELECTRICAL SYSTEM. Lucas 12 volt. Coil ignition.

FUEL SYSTEM. 16-gallon (73 litres) tank with external filler at rear of chassis. Solex down-draught carburettor with oil bath type air cleaner and silencer and integral centrifugal pre-cleaner. Mechanical pump and sediment bowl with gauze filter.

The Rover Company Ltd. is not responsible for the manufacture of approved equipment and/or body work, although they have closely examined specification and design.

Matters concerning Sales (including Shipping, Delivery, etc.), Service or Warrantee Claims are the responsibility of the Manufacturer (whose name and address is given on this leaflet) or his Agent.

In cases of difficulty concerning approved equipment, the Special Project Section of the Land-Rover Engineering Department is available to offer Advice.

LAND ROVER EXTRAS REQUIRED

Vehicle and conversion is normally supplied complete, but where purchase of the chassis is made locally specification details of the chassis can be obtained from Carmichael & Sons (Worcester) Ltd.

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