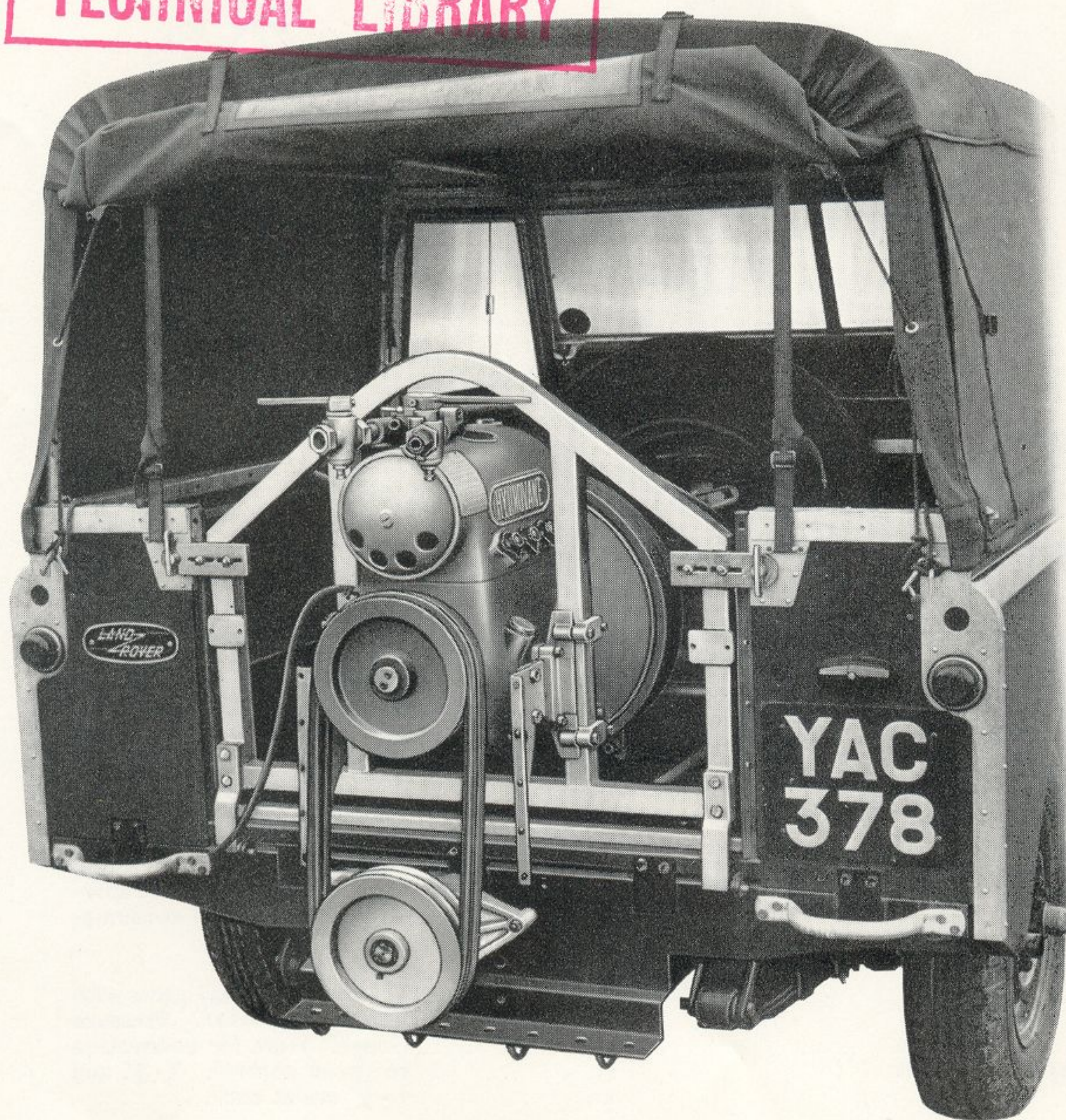
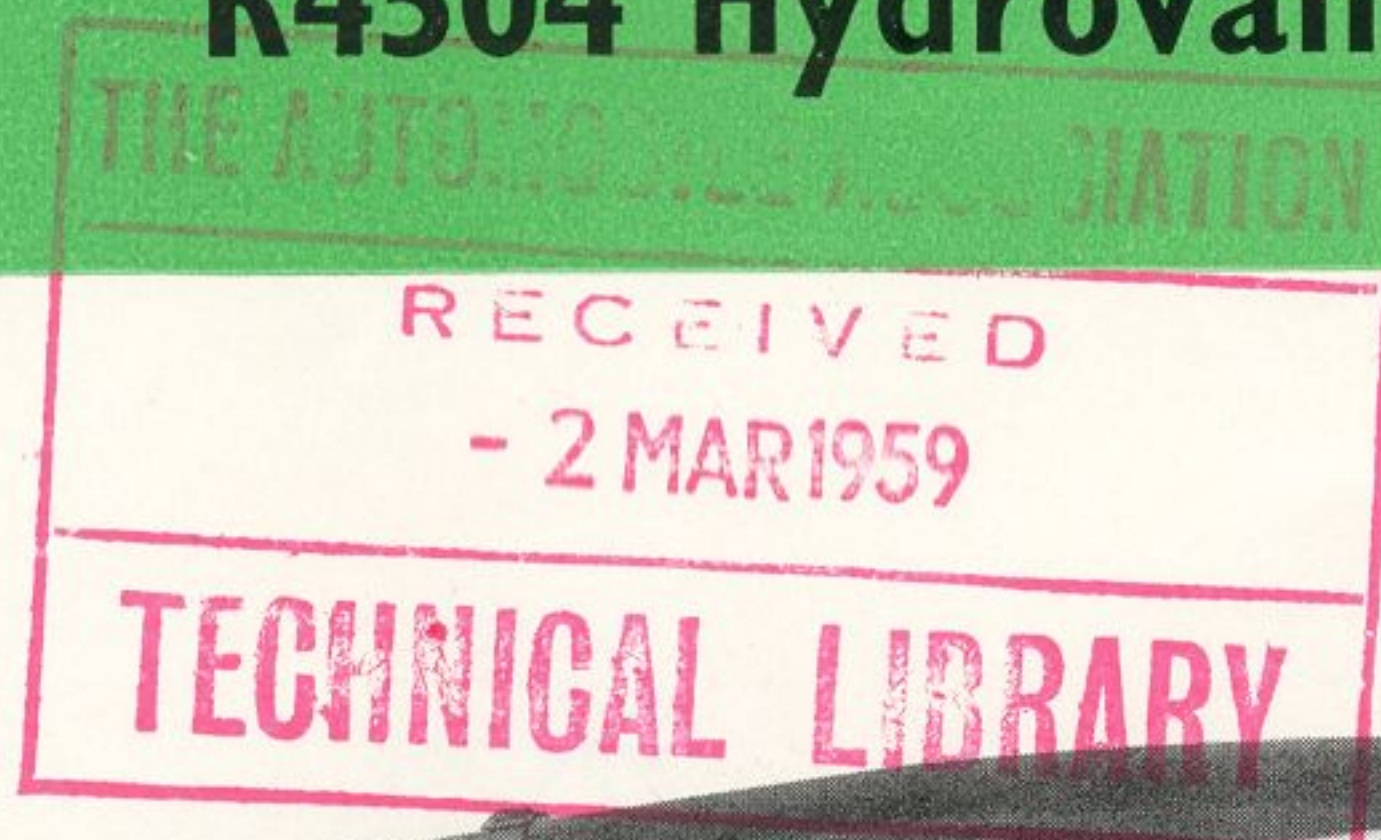


# BULLOWS

## R4504 Hydrovane Compressor

As approved by the Rover Co.  
Ltd. for use with the . . .

# LAND- ROVER



The compressor is offered as a complete assembly, which may be fitted to any Land Rover in a few minutes. The mounting frame, a dummy tailboard, replaces the standard tailboard and drive is by vee belt from the standard Land Rover rear power take-off.

This Hydrovane compressor is a single stage machine, completely free of pumps and valves and has no external pipe-work other than from the compressor to the speed control at the engine end. Incorporated in the compressor is a servo valve mechanism which gives a pressure drop of 2-3 p.s.i. only between no flow and full flow conditions.

A speed control is fitted in the engine linkage and is operated from the compressor control gear. This is arranged to adjust the speed to balance air requirements and ensures absolutely minimum fuel consumption.

There is no pulsation in the air flow and this, coupled with the favourable conditions created by the servo mechanism, eliminates the need for an Air Receiver.

The compressor has a continuous rating of 60 c.f.m. F.A.D., at 100 p.s.i. rotating at 2400 r.p.m. and an intermittent rating of 75 c.f.m. F.A.D., at 100 p.s.i. rotating at 3000 r.p.m.

# ALFRED BULLOWS & SONS LTD

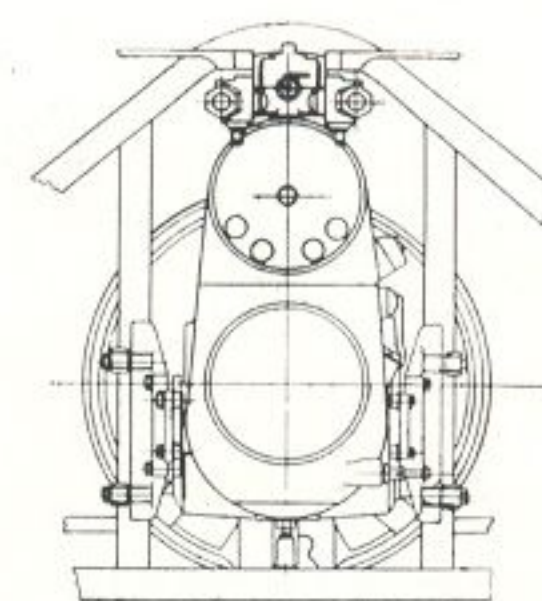
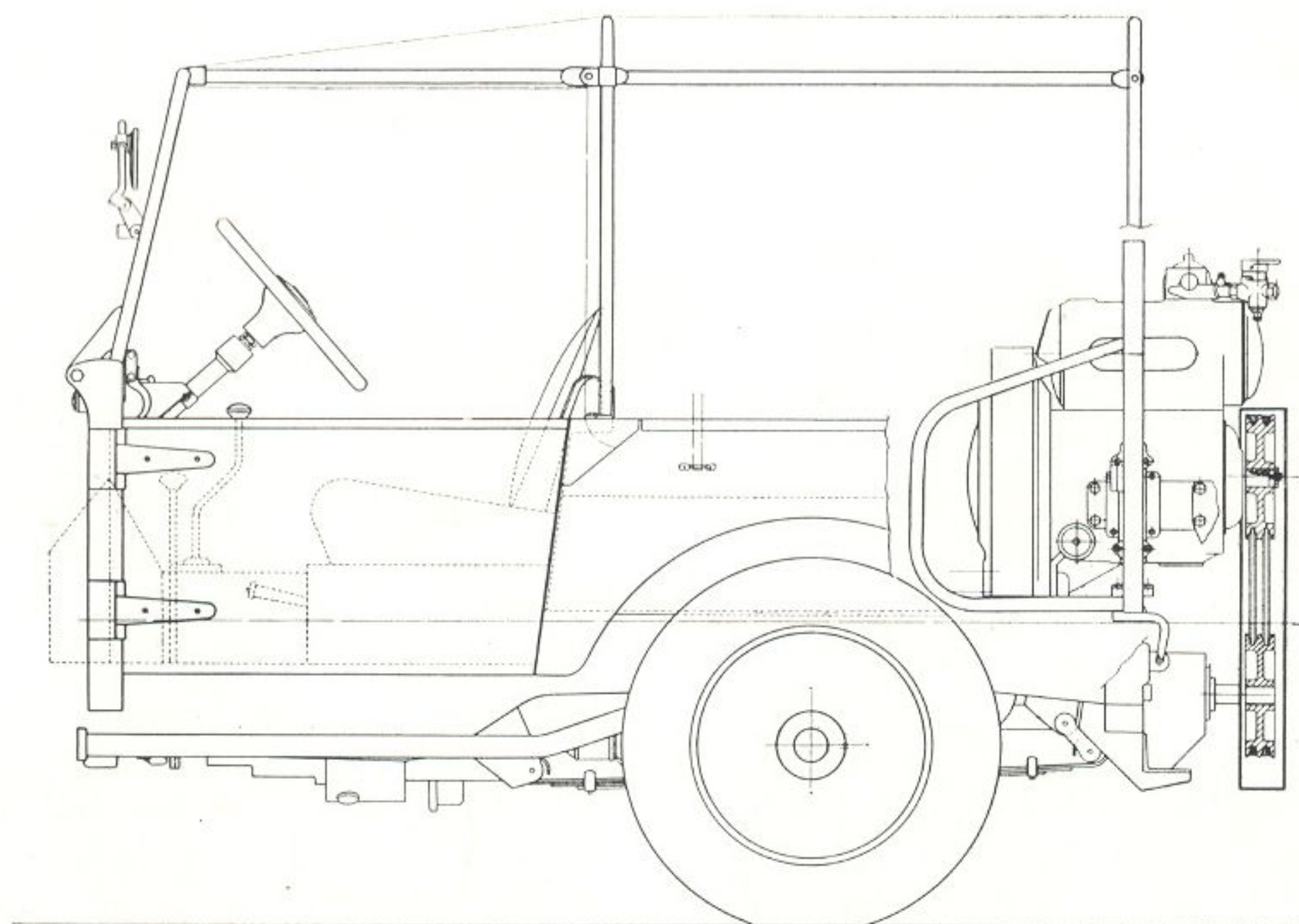
HEAD OFFICE & WORKS - LONG ST · WALSALL · STAFFS · TEL: WALSALL 5401

DEPOTS AT — 13 SOUTH MOLTON STREET, LONDON, W.1  
70 GILMOUR STREET, GLASGOW, C.5  
55A/57 BRIDGE STREET, MANCHESTER,

TELEPHONE: MAYFAIR 1720/2313  
TELEPHONE: SOUTH 2383  
TELEPHONE: BLACKFRIARS 2079/5670



# SPECIFICATION AND DETAILS



## SPECIFICATION

### COMPRESSOR

Bullows Hydrovane oil sealed rotary type R4504 continuous rating 60 c.f.m. (1.7 m.<sup>3</sup>/min.) F.A.D. at 100 lb./sq. in. (7 kg./cm<sup>2</sup>) at 2,400 r.p.m. Intermittent rating 75 c.f.m. (2.12 m.<sup>3</sup>/min.) at 100 lb./sq. in. (7 kg./cm<sup>2</sup>) at 3,000 r.p.m.

### MOUNTING

Fabricated steel dummy tail-board with provision for belt tensioning and arranged with feet, for support when removed from vehicle.

### DRIVE

Twin vee belt with suitable grooved pulleys and belt guard.

### UNLOADING GEAR

Hydrovane patent hydraulic modulating control, maintaining constant pressure irrespective of demand.

### SPEED CONTROL

Fitted in engine governor linkage, operated from compressor control gear and arranged to adjust engine speed to balance air demand. This control ensures the absolute minimum fuel consumption.

### ACCESSORIES

Oil Cooler. Safety valve with hand easing lever. Pressure Gauge. Hose for connection to speed control. 2 -  $\frac{3}{4}$ " and 1 -  $\frac{3}{8}$ " outlet cock.

**FITTING** Bullows will, at extra cost, fit the compressor to the Land Rover at their Works at Walsall.

**SHIPPING DETAILS :** Overall Dimensions 45" × 34" × 38" Gross Weight 4 cwt. 2 qr. 14 lb. Net Weight 3 cwt. 17 lb.

## LAND-ROVER EXTRAS REQUIRED—

- Rear p.t-o (5 to 6 step up ratio in the drive unit).
- Engine speed governor (Petrol Land-Rovers only).
- Engine oil cooler for tropical climates or arduous operating conditions.