

# **BROOMWADE**

## **whirlwind uniflo rotary compressor**

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

# **LAND- ROVER**

**ONLY AVAILABLE FOR SALE IN THE U.K.**



### **high output**

100 cfm at 100 psi. It will operate two medium duty concrete breakers.

### **low operating cost**

### **mobility**

Ideal for Public authorities and Contractors for use on sites inaccessible to the conventional two-wheel drive vehicle.

### **design features**

The unique method of mounting the compressor completely below the floor level of the rear bodywork, leaves unimpeded space for load carrying.

With the vehicle engine running at 2,300 rpm, top gear is used to drive the compressor through the gearbox and power take-off.

An automatic governor-control device which is sensitive to air pressure, reduces the speed of the engine to 1,600 rpm when the desired maximum pressure is reached. When the pressure in the receiver drops, the control sets the engine governor to 2,300 rpm to satisfy the increased demand for compressed air. This control does not interfere with the accelerator control when the unit is used as a road vehicle.

The cooling on the compressor is highly efficient and is by means of a recirculatory oil system.

## **BROOM & WADE LTD., HIGH WYCOMBE, ENGLAND**

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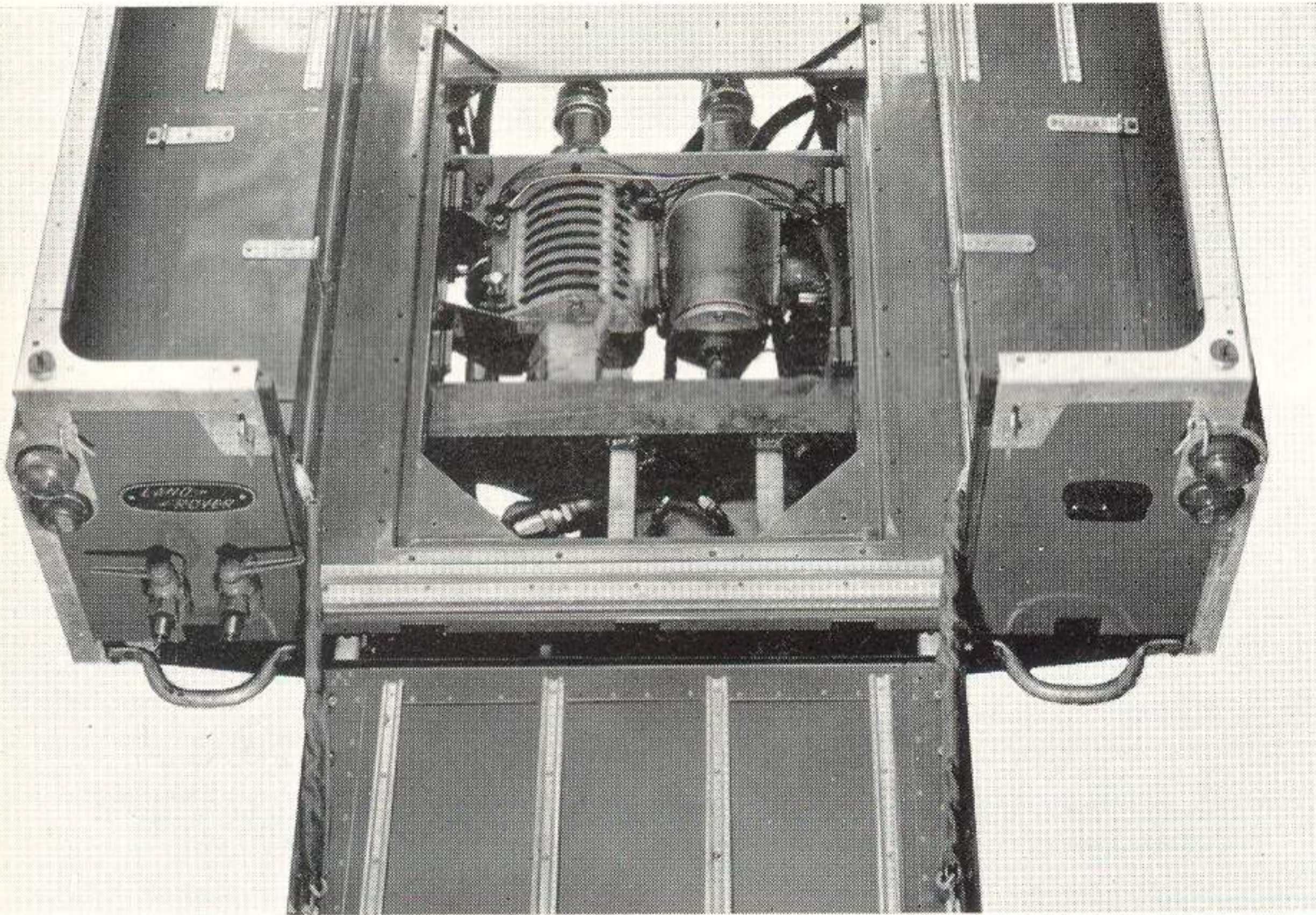
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# SPECIFICATION & DETAILS

# BROOMWADE whirlwind uniflo rotary compressor



## compressor unit

The compressor is the WR100 single stage oil-cooled "Whirlwind Uniflo" rotary type, running at 2,300 rpm with a free air delivery of 100 cfm at 100 psi.

The unit has no reciprocating parts, and is an oil-cooled, oil-sealed compressor.

Efficiency is much higher than comparable piston type compressors, and there is no vibration or pressure pulsations. Air delivery is cool and clean.

## chassis

The standard "Land-Rover" long wheelbase, box section chassis has been specially modified to suit "BROOMWADE" requirements. The bodywork is in alloy and the unit is supplied as standard fitted with a full-view truck cab, but a selection of body covers is available at extra cost.

The vehicle is capable of carrying 2 operators and 1,600 lb. on the road, or 2 operators and 1,400 lb. across country. Heavy duty suspension is fitted.

## specification

Wheelbase		Track		Turning Circle		Overall Length		Overall Width		Overall Height	
ins.	m.	ins.	m.	ft.	m.	ins.	m.	ins.	m.	ins.	m.
109	2,77	51½	1,31	45	13,72	175	4,4	64	1,63	84	2,13

COMPRESSOR					Total unladen weight with 10 galls fuel	
Type	FAD at 100 psi (7 kg/cm²)		Speed	Number of		
	cfm	m³/min.	rpm	Connections	lb.	kg.
WR100	100	2,83	2300	2	4032	1829

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

Matters concerning Sales (including shipping, delivery, etc.), service or Warranty 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 Projects Section of the Land-Rover Engineering Department is available to offer advice.

## Land-Rover extras (optional)

- ¾ length canvas hood

light alloy hard top

towing jaw or pintle
- front and rear flashers

external wing mirrors

bonnet mounted spare wheel
- heater

windscreen washers

fire extinguisher