

**The BEAGLE
Airedale**





London Sunday

Atlantic Ocean



Bay of Biscay

English Channel

North Sea

SWEDEN

Baltic Sea

AALBORG

COPENHAGEN
MALMÖ

GLASGOW

EDINBURGH

BELFAST

LIMERICK

CORK

CARLISLE

MANCHESTER

BIRMINGHAM

BRISTOL

POLPERRO

SOUTHAMPTON

GATWICK

NORWICH

LONDON

DIEPPE

ROUEN

LE MANS

NANTES

BORDEAUX

BILBAO

SAN SEBASTIEN

TOULOUSE

BARCELONA



BREMEN



BERLIN

WARSAW



COLOGNE



DRESDEN



BRUSSELS

LUXEMBOURG



RHEIMS



PARIS

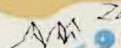
PRAGUE

CZECH REPUBLIC
SLOVAKIA



MUNICH

VIENNA



BERNE

ZURICH

SWITZERLAND



VENICE

ADRIATIC SEA
JUGO SLAVIA



LYONS

GENOVA



MILAN



BOLOGNA



FLORENCE



ROME

Mediterranean Sea

Sea

ADRIATIC SEA
ITALY

FLYING WITH BEAGLE

Flying, for business or pleasure, is a normal part of everyday life, but an ever-increasing number of companies, and private individuals, today find that they need their own aircraft. It is for the businessman who wants to get the best out of his day, and the private owner who wants to enjoy a fuller life, that BEAGLE have created their new range of light touring and executive aeroplanes.

A BEAGLE aircraft will take a businessman farther, faster and in greater comfort than ever before, and his company gains the added prestige that goes with the best aircraft. The private owner, or the club pilot, will find that BEAGLE aeroplanes are a pleasure to fly, luxurious to travel in and economic to operate.

People who fly—for profit or pleasure—fly best by BEAGLE.

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Black Sea

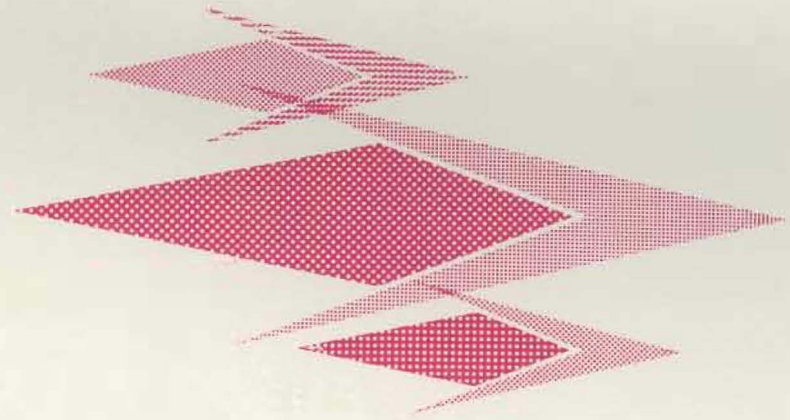
ISTANBUL

TURKEY

Sea



G-ARKE



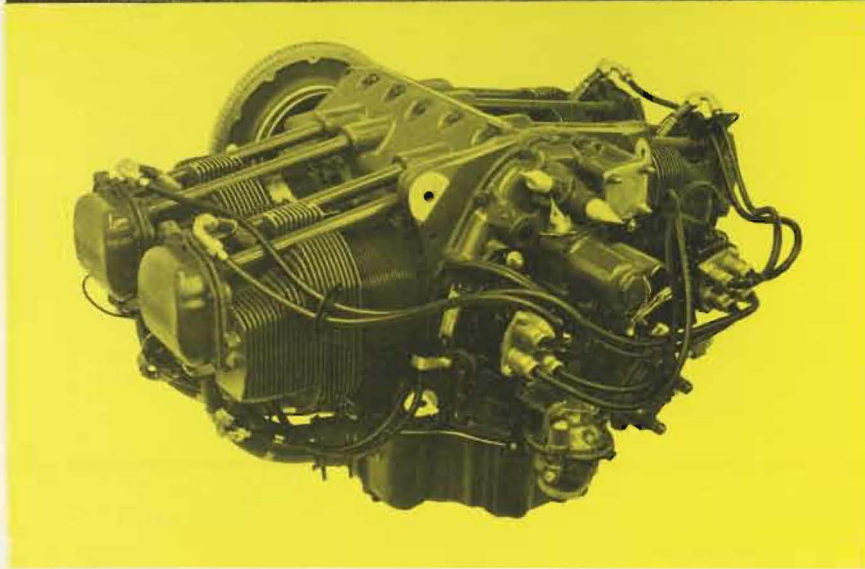
THE 1963 BEAGLE AIREDALE

The Airedale is a four-seat, single-engined, high wing, executive/touring aeroplane which combines high standards of performance, reliability, comfort and economy.

Fast and sure over long distances, the Airedale can operate from an average sized grass field and yet can span Europe in a day.

For company use the Airedale can provide great flexibility, being able to fly the airways or the outback with equal ease, reliability and comfort.

For the private owner the Airedale is an aircraft that is well furnished, particularly pleasant to fly, and which costs little more to run than a large car.



Reliability

Here is an aeroplane in which the quality has been combined with the design and construction methods of the present day.

Three decades of experience and research will provide you with years of luxurious and care-free travel. You can depend upon your Airedale.

Power Plant

The Airedale is powered by a Lycoming 180 b.h.p. horizontally opposed four-cylinder engine driving a McCauley constant speed metal propeller. Well proven in every corner of the world, this engine has excellent power/economy characteristics and an outstanding record of reliability.

The low noise level of the Lycoming is improved even further in the Airedale by a new cross-over ejector exhaust.

The constant speed propeller unit, unusual standard equipment for a four-seat aircraft in this price range, ensures that full value is obtained from every ounce of power produced by the engine: the result — better take-off, faster cruise, longer range.



Room for four and baggage

The Airedale provides motor-car comfort for four adults in its carefully planned, luxuriously appointed cabin.

An independent luggage compartment, for which fitted suitcases are available, accommodates ample baggage.

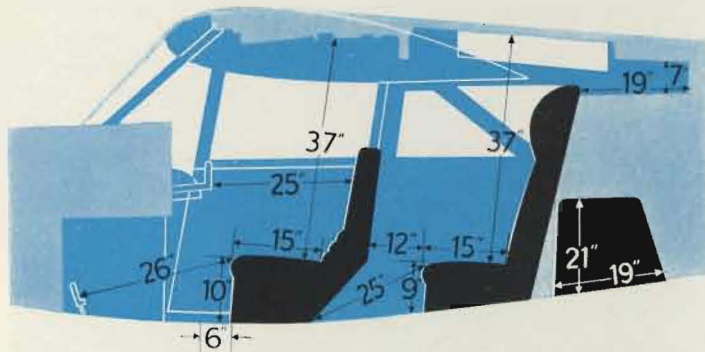
Space for hand baggage, hats, coats, lunch baskets, etc. is provided on a shelf at the rear of the cabin.



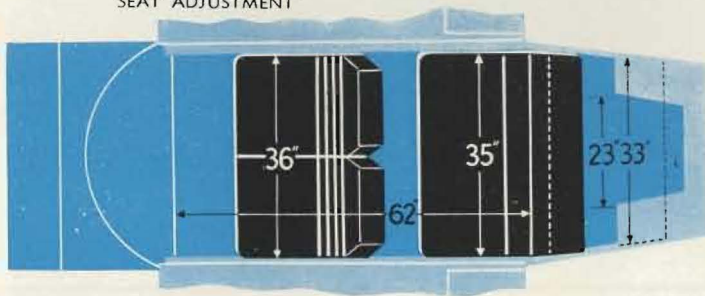
Easy Entrance

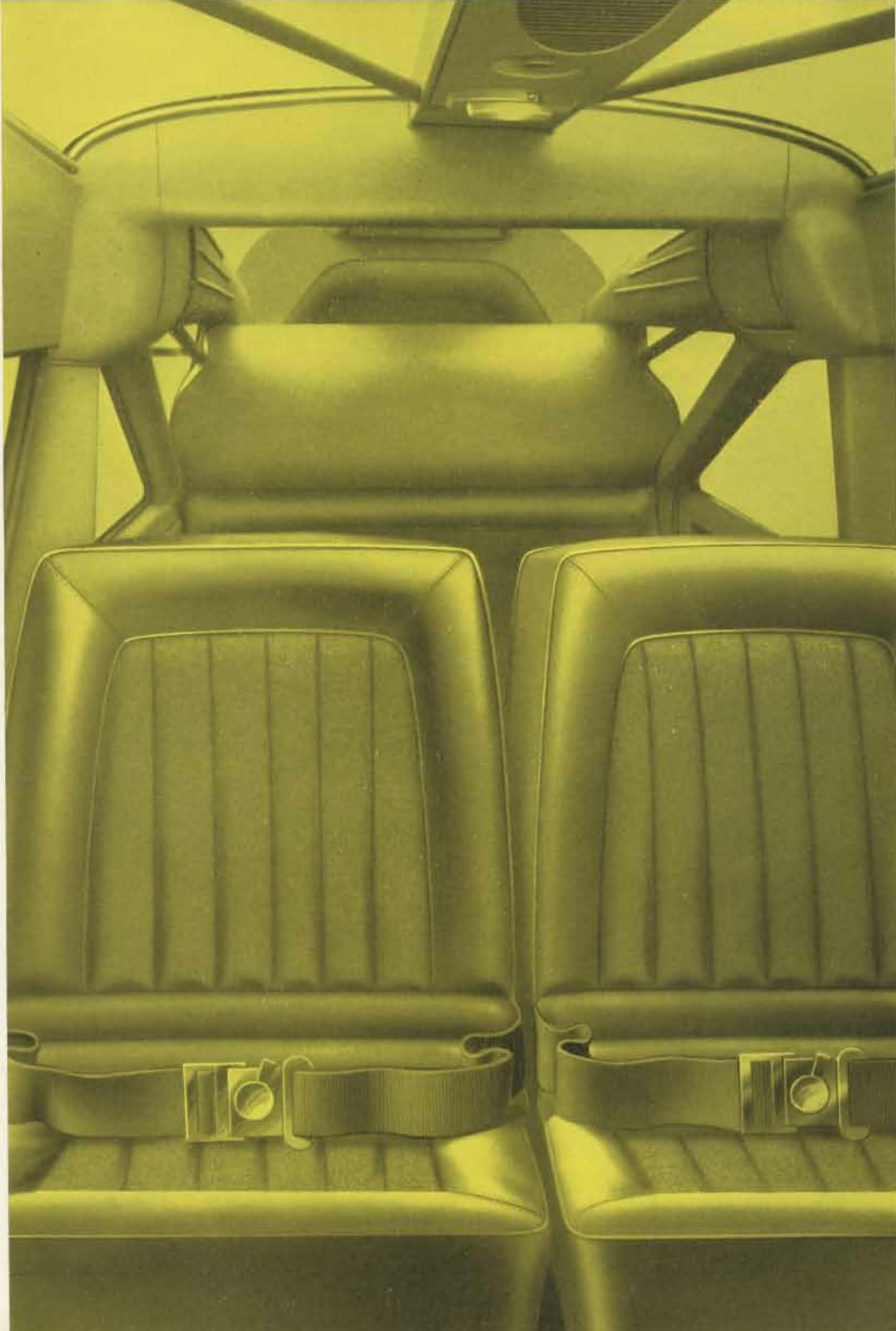
Large staggered doors and convenient steps on the undercarriage provide easy entry to both front and rear.

The front door is positioned to the starboard side and the rear door to the port side allowing for change of passengers while the engine is running.



SEAT ADJUSTMENT





Styled for comfort

The cabin is agreeably roomy with plenty of leg room for tall pilots and passengers and is furnished in a most pleasing style to give maximum comfort.

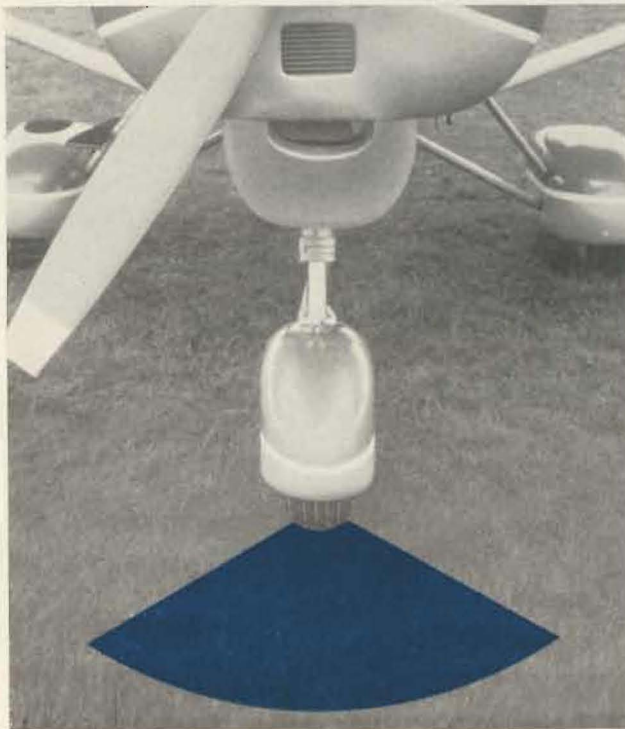
The adjustable seats are fully upholstered. A thick pile carpet covers the floor and the interior is finished in a carefully chosen variety of pleasantly coloured washable materials.

Efficient soundproofing, cigarette lighter and ash-trays, an effective heating and ventilating system, are all standard equipment on every Airedale.

Excellent all-round visibility, together with specially tinted Perspex roof make the Airedale safer and pleasanter for pilot and passengers. Roof curtains are available.

A joy to handle

The crisp response to the controls makes the Airedale come alive in your hands as soon as the throttle is opened. Exceptional flying qualities and ease of control stay with you right through the stall, which is in itself no more than a gentle sinking of the nose. Here is a pilot's aeroplane unequalled in its class for pure joy of flying. Docile but precise, and exceptionally easy to land, the Airedale is an ideal beginner's aeroplane, inspiring confidence from first acquaintance, both in the air and on the ground. Taxiing even in cross-winds is made simple by steerable nose wheel, twin pad disc brakes and excellent all-round visibility.



Steerable nosewheel turns through an arc of thirty degrees



Taxying is made simple by the excellent all-round visibility



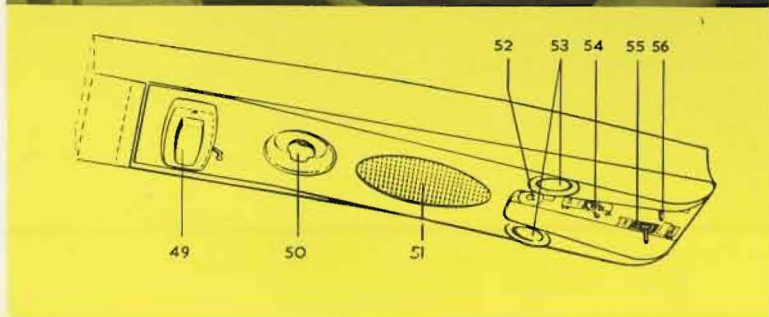
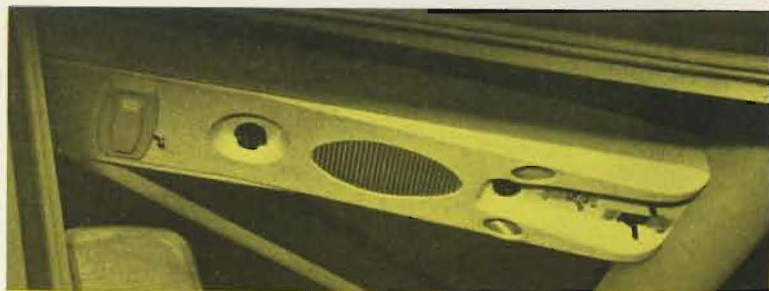
Instrumentation

The panel has been carefully planned to give the highest operational efficiency: every instrument is easily read.

Flying instruments are placed directly in front of the pilot, engine instruments centre, and radio to the right.

For night flying flood-lights mounted in the roof of the cabin provide clear reading of all instruments. Variable intensity back lighting is also available for all instruments.

BEAGLE roof console incorporates a master switch, main switches and starter button, arranged in sequence, and also cabin lights and radio speaker when fitted.

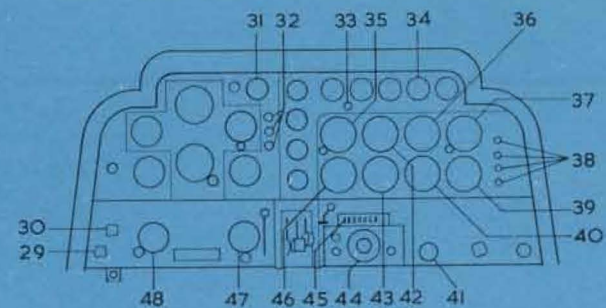
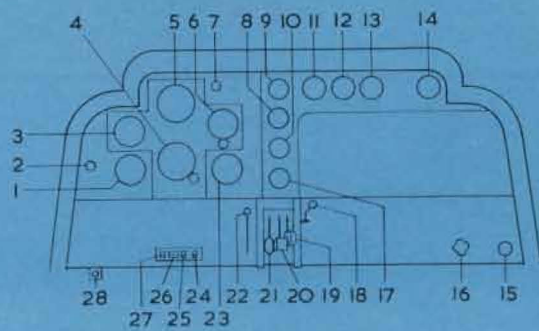
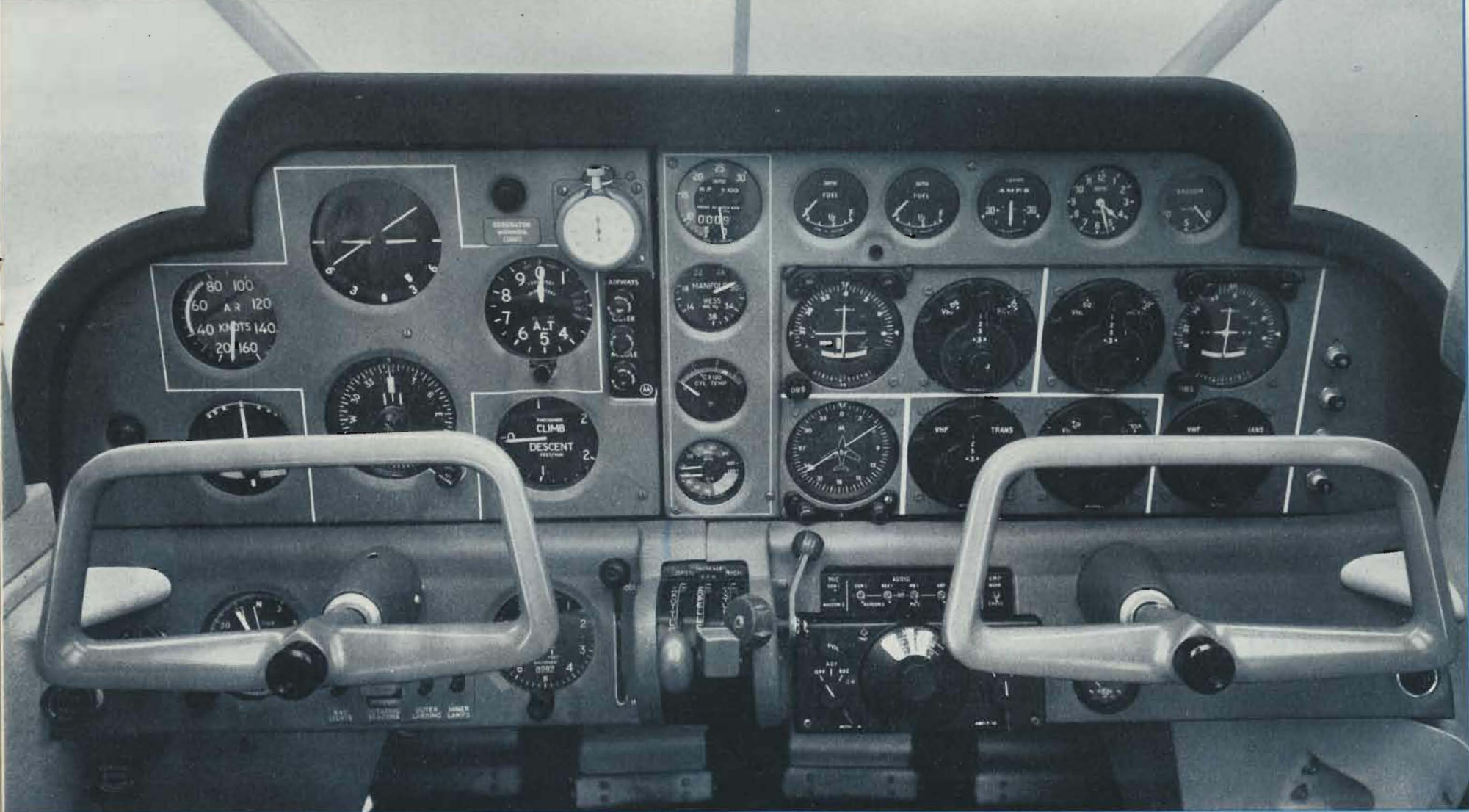


KEY TO INSTRUMENT DIAGRAM

1. Turn and Slip Indicator
2. Stall Warning Indicator
3. Air Speed Indicator
4. Directional Gyro
5. Artificial horizon
6. Altimeter
7. Generator Warning Light
8. Manifold Pressure Gauge
9. Engine R.P.M.
10. Cylinder Temperature Gauge
11. Port Fuel Gauge
12. Starboard Fuel Gauge
13. Ammeter
14. Vacuum Gauge
15. Cigar Lighter
16. Cabin Heat Control
17. Oil Pressure and Temperature Gauge
18. Friction Adjustment
19. Mixture Control
20. Pitch Control
21. Throttle
22. Carburettor Heat Control
23. Rate of Climb Indicator
24. Inner Landing Lamp Switch
25. Outer Landing Lamp Switch
26. Pitot Heater and Rotating Beacon Switch
27. Nav. Light Switch
28. Parking Brake
29. Flying Instrument Dimmer Switch
30. Engine Instruments Dimmer Switch
31. Stop Watch
32. Marker Beacon Receiver
33. Aux. Fuel Direct Reading
34. Clock
35. VOR/ILS Indicator
36. VOR/LOC Receiver
37. VOR/LOC Indicator
38. Circuit Breakers
39. VHF Transmitter
40. VHF Receiver
41. ADF Tuning Meter
42. VOR/ILS Receiver
43. VHF Transmitter
44. ADF Receiver
45. Mixer Switches
46. Goniometer
47. Second Altimeter
48. Magnesyn Compass Repeater

ROOF CONSOLE

49. Cabin Light
50. Panel Light Switch
51. Speaker
52. Starter Button
53. Panel Lights
54. Ignition Switches
55. Generator Field Switch
56. Battery Master Switch



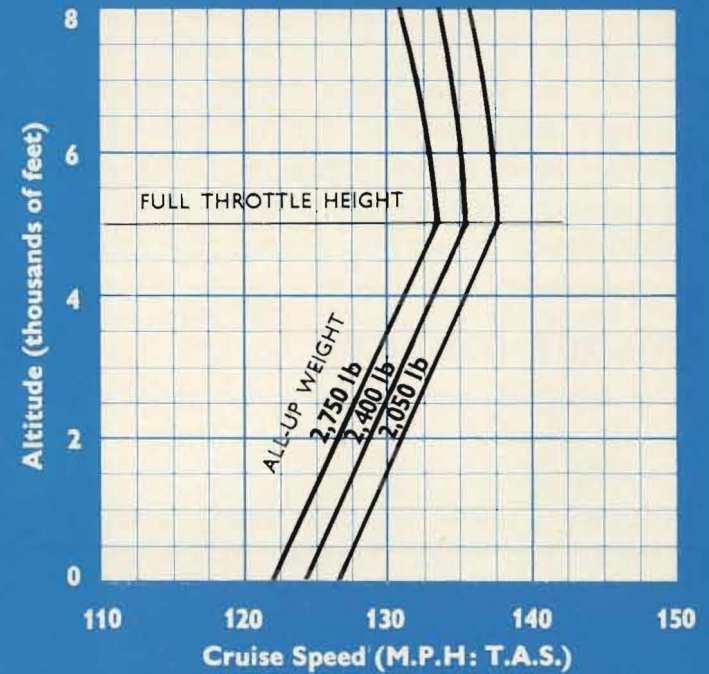
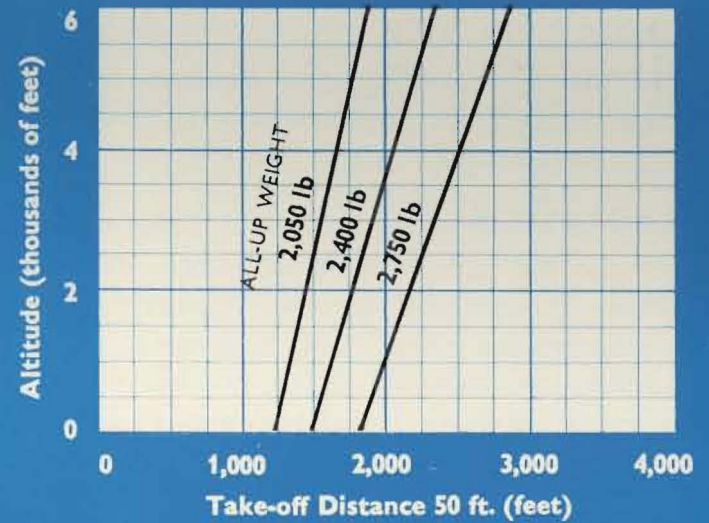
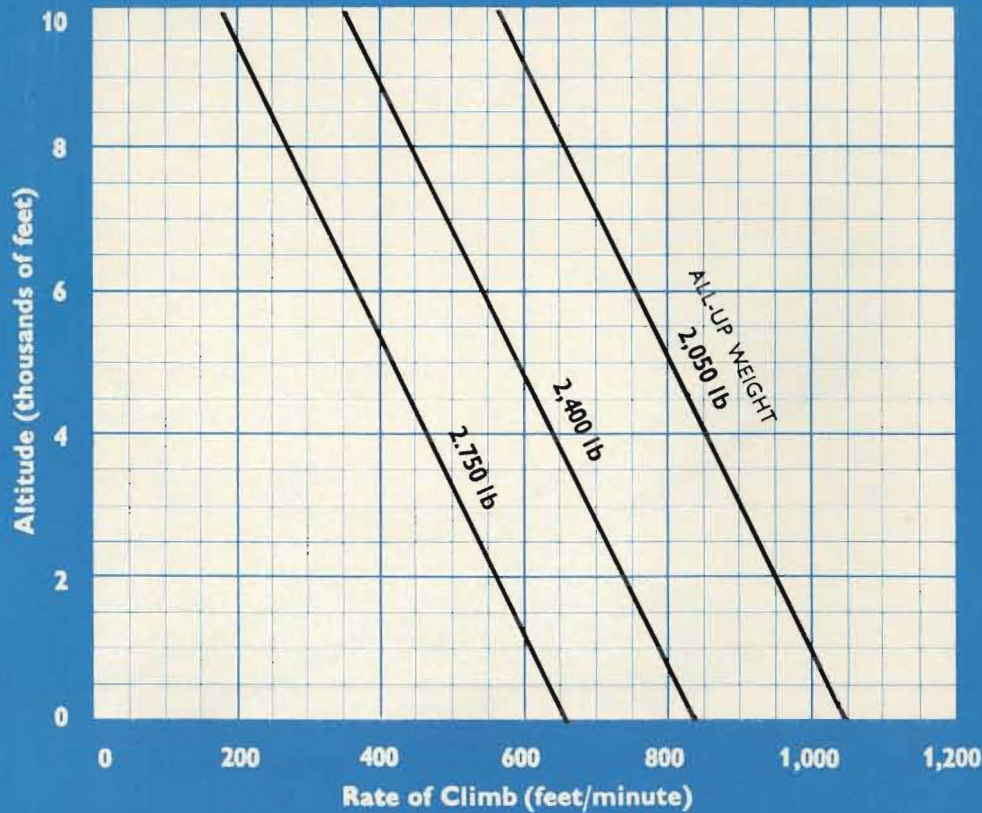
Performance

Performance at 2,750 lb. (1,247 kg.)

Maximum level speed sea level T.A.S. - - - - -	141 m.p.h.	227 km./hr.
Maximum continuous cruise 6,000 ft. (1,830 metres) T.A.S. - - - - -	133 m.p.h.	214 km./hr.
Maximum economy weak mixture cruise 7,000 ft. (2,130 metres) T.A.S. - - - - -	130 m.p.h.	209 km./hr.
Stalling speed flaps UP - - - - -	53 m.p.h.	85 km./hr.
Stalling speed flaps DOWN - - - - -	43 m.p.h.	69 km./hr.
Initial rate of climb - - - - -	650 ft./min.	3.30 metres/sec.
Time to 5,000 ft. (1,524 metres) - - - - -	9.5 min.	9.5 min.
Time to 7,000 ft. (2,130 metres) - - - - -	15.5 min.	15.5 min.
Service ceiling - - - - -	12,000 ft.	3,660 metres
Take-Off distance to unstick, no wind, runway - - - - -	885 ft.	270 metres
Take-off distance to clear 50 ft. (15.24 metres) no wind, runway - - - - -	1,830 ft.	560 metres
Landing distance from 50 ft. (15.24 metres) to rest, no wind, runway - - - - -	1,410 ft.	430 metres
Ground roll, no wind, runway - - - - -	750 ft.	229 metres
Range with 700 lb. payload plus 30 gals. fuel cruising at 131 m.p.h. T.A.S. at 7,000 ft. - - - - -	460 st. miles	736 kms.
Maximum range with 540 lb. payload plus 50 gals. fuel-WM economy cruise at 115 m.p.h. T.A.S. at 10,000 ft. - - - - -	830 st. miles	1,328 kms.

Performance Graphs

I.S.A. Conditions



CHEAP TO BUY

The Airedale is a thoroughly economic aeroplane. Initial expenditure compares most favourably with other similar types.

EASY TO BUY

For the convenience of its customers the BEAGLE Group incorporates its own finance company, BEAGLE Aviation Finance Ltd., by means of which the Airedale can be leased or hire-purchased by U.K. buyers on extremely favourable terms.

CHEAP AND EASY TO FLY

The Airedale is as cheap to run as a large car. At economical cruising speed the fuel consumption is approx. 7 gall./hr. — 18 miles per gallon. Engine life is 800 hours between overhaul, and airframe maintenance on a progressive basis means that the out-of-service periods can be kept short and convenient. Careful design planning and rugged construction throughout ensure that maintenance costs are kept to a minimum.

COLOUR SCHEMES

The standard colour scheme for the Airedale is BEAGLE Bronze and White (*illustrated on pages 2 and 9*).

Alternative colour schemes usually available are: Crimson and White; Primrose Yellow and White; Azure Blue and White. *Other colour schemes can be supplied on request.*



Fitted Equipment

INSTRUMENTS

Air Speed Indicator
 Sensitive Altimeter
 Turn and Slip Indicator
 Tachometer, Manifold Pressure Gauge
 Combined Oil Temperature/Oil Pressure Gauge
 Cylinder Head Temperature Gauge
 Ammeter
 Two Electric Fuel Gauges
 E2B Compass
 Stall Warning Indicator

CABIN

Dual Flying Controls
 Ash Trays (front and rear)
 Cigarette Lighter
 Soundproofed and Carpeted Cabin
 Cabin Heater Installation
 Fire Extinguisher
 Cabin Floodlighting

POWER PLANT AND ELECTRICS

Complete with Starter, and 12 volt 50 amp. Generator with Voltage Control
 McCauley Variable Pitch Metal Propeller with Woodward Constant Speed Governor
 12 volt Battery of 25 amp per hour
 Instrument Floodlighting
 Navigation Lights
 Landing Lights
 Pitot Head (Electrically Heated)
 Wheel Spats and Towing Arm are supplied
 All the above equipment is included in the ex-Factory List Price of £4,995 for the 1963 Beagle Airedale

Optional Extras

	<i>Price</i>	<i>Weight</i>
Long Range Tanks (20 gals)	£285 0 0	28.9 lb.
Magnesy Compass	£58 0 0	7.9 lb.
Primer	£20 0 0	0.7 lb.
Instrument Lighting	£45 0 0	0.6 lb.
Second Altimeter (Re-cert)	£26 5 0	1.4 lb.
Dual Brakes	£130 0 0	2.0 lb.

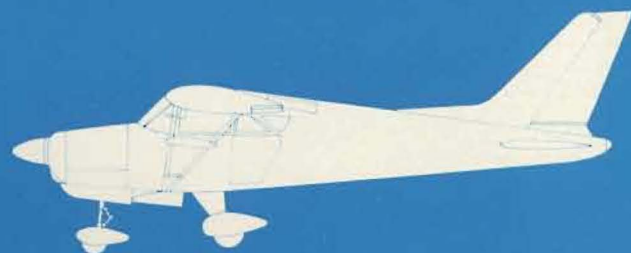
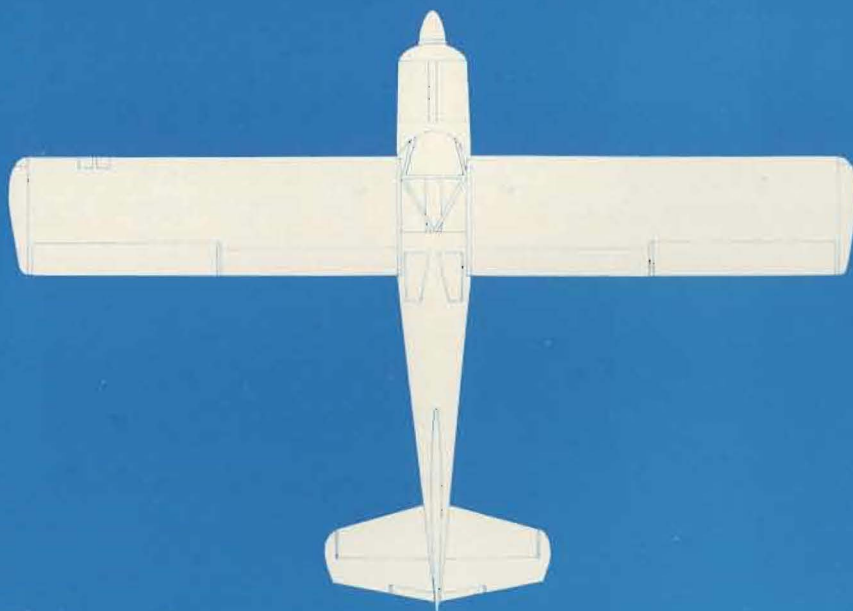
BLIND FLYING PANEL

Artificial Horizon		3.8 lb.	}	8.2 lb.
Directional Indicator	£275 0 0	3.1 lb.		
Rate of climb vacuum pump and gauge		1.3 lb.		
Outside Air Temperature Gauge	£5 5 0	0.2 lb.		
Clock (8 day)	£5 5 0	0.6 lb.		
Rotating Beacon	£30 0 0	1.5 lb.		
Stop Watch	£5 5 0	0.3 lb.		

Prices are for fitting on the production line.

Radio and Navigational Aids To Full Airline Standard

Comprehensive radio and navigational aids can be installed to customer requirements. Details of the equipment available given on request. The panel has been designed to accommodate the full "two and a half" VHF, VOR package, ADF and Marker Beacon Receiver.



Leading Particulars

Power plant: Lycoming 0-360-A1A, air-cooled flat-four 180 b.h.p. (182.5 c.v.).

Propeller: McCauley Met-L-Matic two-blade constant speed 74 in. (1.88 metres) dia.

Span	36 ft. 4 in.	11.07 metres
Length	26 ft. 4 in.	8.03 metres
Height	10 ft. 0 in.	3.05 metres
Wheelbase	5 ft. 10 in.	1.78 metres
Track	6 ft. 0 in.	1.83 metres

Wing area	190 sq. ft.	17.65 sq. metres
Aspect ratio	6.9	
Gross weight	2,750 lb.	1,247 kg.
Maximum wing loading	14.5 lb./sq. ft.	70.8 kg./sq. metre
Maximum power loading	15.5 lb./b.h.p.	6.845 kg./c.v.
Fuel capacity, standard	30 gals.	136 litres
Fuel capacity, long range	50 gals.	227 litres
Basic equipped weight, less fuel and oil	1,700 lb.	765 kg.
Disposable load	1,050 lb.	473 kg.
Baggage compartment volume	5 cu. ft.	0.14 cu. metres

BEAGLE-AUSTER Aircraft Limited

Rearsby Aerodrome, Leicester

Telephone Rearsby 321

Shoreham Airport, Sussex

Telephone Shoreham-by-Sea 2301

All descriptions and illustrations and also specifications and particulars relating thereto, are subject to variation, modification and shall not be deemed to form a part of any contract.

