



The BEAGLE 218

Powered by Rolls-Royce

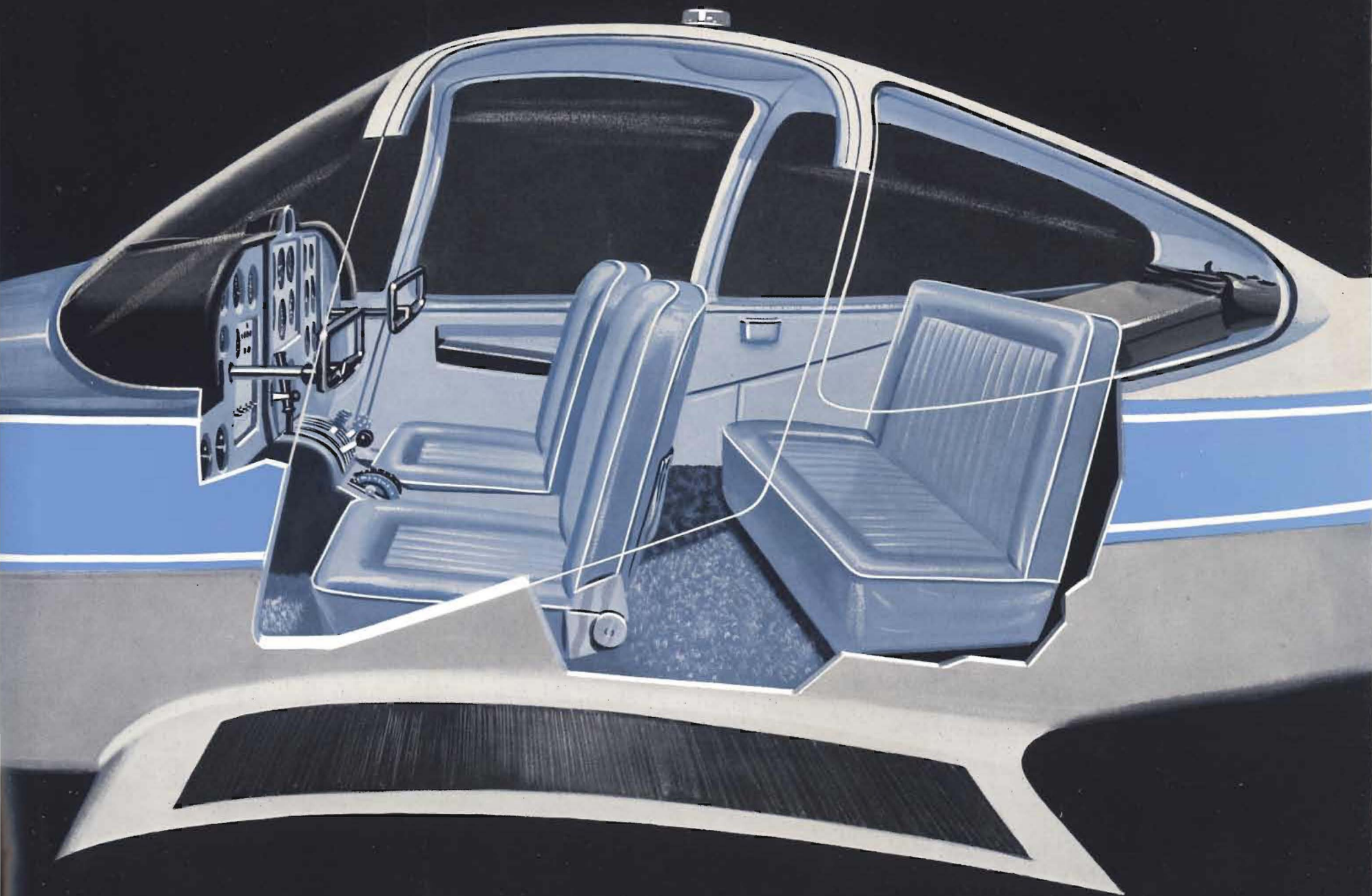
Capability

Armchair comfort with real elbow room is built in for each occupant. Ample luggage space (15 cu. ft.) is provided behind the rear seat and in the nose.

The panel, with full blind flying instrumentation, can accommodate the full $2\frac{1}{2}$ + A.D.F. nav/com. package permitting full airways operation.

With main tanks full at high speed cruise (175 m.p.h.) four people, radio and luggage can be carried a distance of 450 miles. At economic cruise (154 m.p.h.) the same load can be carried 550 miles. With all tanks full, giving a range of 1,000 miles, the payload is over 500 lb.

At full load the 218 can clear a 50 ft. obstacle in 490 yards. Initial rate of climb is 1,370 ft. a minute. This is real short-field capability.



At last the choice between one or two engines can be made without regard to cost. Small in size and price, large in comfort and performance, the Rolls-Royce powered BEAGLE-Miles 218 offers business and private owners the best of both worlds.

The regular and safe operation afforded by modern twin-engine aircraft has hitherto been unobtainable at single-engine price. Companies who have recognised the value of owning an aeroplane, but have so far held back, can now feel their way into executive aviation without upsetting their Chief Accountant.

The 218 is basically a simple aeroplane and most component parts are common to the BEAGLE-Miles 117, a single-engine touring aircraft of equally advanced design which is being developed from it. Development costs are thus more widely spread with basic quality retained in both. Against this background BEAGLE have built into the 218 the capability required of an executive aircraft without having to pass on to the customer the costs normally associated with an aeroplane of this calibre.

Leading Particulars

POWER PLANT: Two Rolls-Royce Continental 0-300 (Spec. 8) air cooled flat six cylinder engines of 145 b.h.p. (147 cv.)

PROPELLERS: Fully-feathering, constant speed 72 in. dia. (1.83 metres) Hartzell Compact HC-C2YF-2/7663-4

Span	.. .. .	37 ft.	11.3 metres
Length	.. .. .	25 ft. 4 in.	7.72 metres
Height	.. .. .	8 ft. 6 in.	2.59 metres
Wheelbase	.. .. .	8 ft. 3 in.	2.51 metres
Track	.. .. .	11 ft. 8 in.	3.56 metres
Wing Area	.. .. .	170 sq. ft.	15.8 sq. metres
Aspect Ratio	.. .. .	8.05	
Gross Weight	.. .. .	3,200 lb.	1452 kg.
Maximum Wing Loading	.. .. .	18.8 lb/sq. ft.	91.8 kg/sq. metre
Maximum Power Loading	.. .. .	11.04 lb/b.h.p.	4.94 kg/cv.
Fuel Capacity	.. .. .	70 galls	318 litres
Basic Equipped Weight less fuel and oil	.. .. .	2,164 lb.	982 kg.
Disposable load	.. .. .	1,036 lb.	470 kg.
Baggage Compartment volume including nose space	.. .. .	15 cu. ft.	0.42 cu. metres

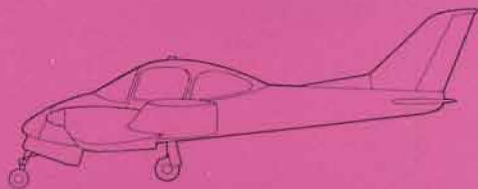
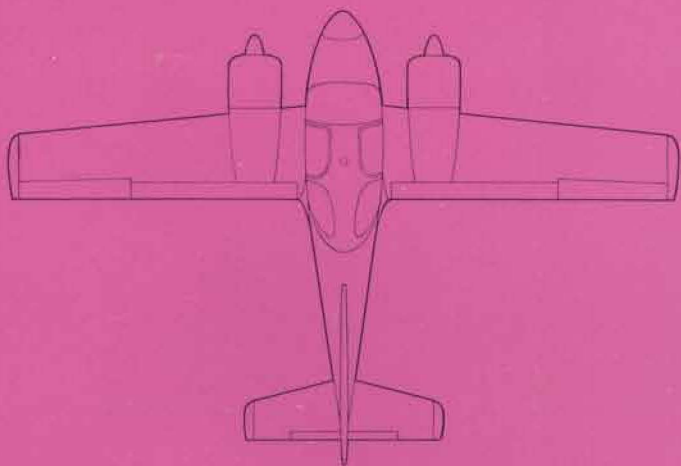
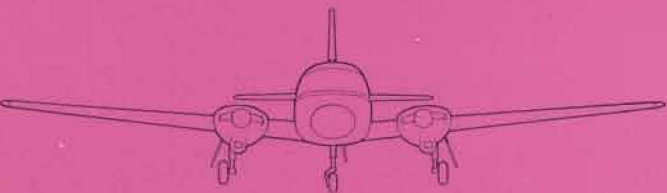
Performance at Gross Weight

Maximum level speed at S.L. T.A.S.	.. .. .	185 m.p.h.	298 km/hr.
Maximum recommended cruise at 5,100 ft. (1553 metres) T.A.S.	.. .. .	175 m.p.h.	282 km/hr.
Cruise at 2,100 r.p.m. at 10,000 ft. (3045 metres) T.A.S.	.. .. .	160 m.p.h.	257 km/hr.
Stalling speed flaps UP E.A.S.	.. .. .	71 m.p.h.	114 km/hr.
Stalling speed flaps DOWN E.A.S.	.. .. .	58 m.p.h.	93 km/hr.
Initial rate of climb	.. .. .	1,370 ft. min.	6.96 m/sec.
Time to 5,100 ft. (1553 metres)	.. .. .	4.2 min.	
Time to 10,000 ft. (3045 metres)	.. .. .	9.9 min.	
Service Ceiling	.. .. .	21,700 ft.	6610 metres
Take off distance to unstick	.. .. .	790 ft.	241 metres
Take off distance to clear 50 ft. (15.24 metres)	.. .. .	1,470 ft.	448 metres
Landing distance from 50 ft. to rest	.. .. .	1,485 ft.	453 metres
Ground roll	.. .. .	585 ft.	178 metres
Range with 700 lb. (318 kg.) payload and 42 Imp. galls. (191 litres) fuel at a mean cruise speed of 154 m.p.h. (248 km/hr.) T.A.S. at 1,900 r.p.m. and 10,000 ft. (3045 metres)	.. .. .	578 st. miles	925 km.
Maximum range with 500 lb. (227 kg.) payload and 70 Imp. galls. (318 litres) fuel at mean cruise speed of 154 m.p.h. (248 km/hr.) T.A.S. at 1,900 r.p.m. and 10,000 ft. (3045 metres) T.A.S.	.. .. .	1,000 st. miles	1609 km.
Single engine initial rate of climb	.. .. .	350 ft./min.	1.77 m/sec.
Single engine absolute ceiling	.. .. .	10,000 ft.	3045 metres
Single engine service ceiling	.. .. .	7,000 ft.	2130 metres

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.

BEAGLE AIRCRAFT LIMITED,

U.K. DISTRIBUTORS: BEAS, OXFORD AIRPORT, KIDLINGTON, OXFORD, KIDLINGTON 3363
OVERSEAS ENQUIRIES TO: BEAGLE AIRCRAFT LIMITED, REARSBY, LEICESTER, ENGLAND



Accessibility

Two large doors give exceptionally easy access to the cabin. The wide front seats have folding backs which afford easy entry for the rear passengers.

Visibility

42 sq. ft. of window give an exceptional field of vision to all occupants. Curtains and sun visors eliminate eye strain.



Room for four in comfort. Exceptionally easy access through two large doors.



Security

The fact that an aeroplane has two engines does not of itself ensure full security. Without the ability to climb at all-up-weight on one engine, terrain clearance and compliance with air traffic control instructions may prove impossible. The 218 at full load can climb at a rate equal to that of modern twin-engine airliners. Over land and sea, mountains and jungle, in fair weather and in foul, the 218 offers comfort, speed and security.

Climbs at all-up-weight on one engine.