

THE 4-PLACE AMPHIBIAN AIRCRAFT

Riviera

FN. 333



SOCIETÀ PER AZIONI

Siai
MARCHETTI

Management: SESTO CALENDE (LAGO MAGGIORE) - ITALIA
Factories : Vergiate - Sesto Calende - Borgomanero - Malpensa

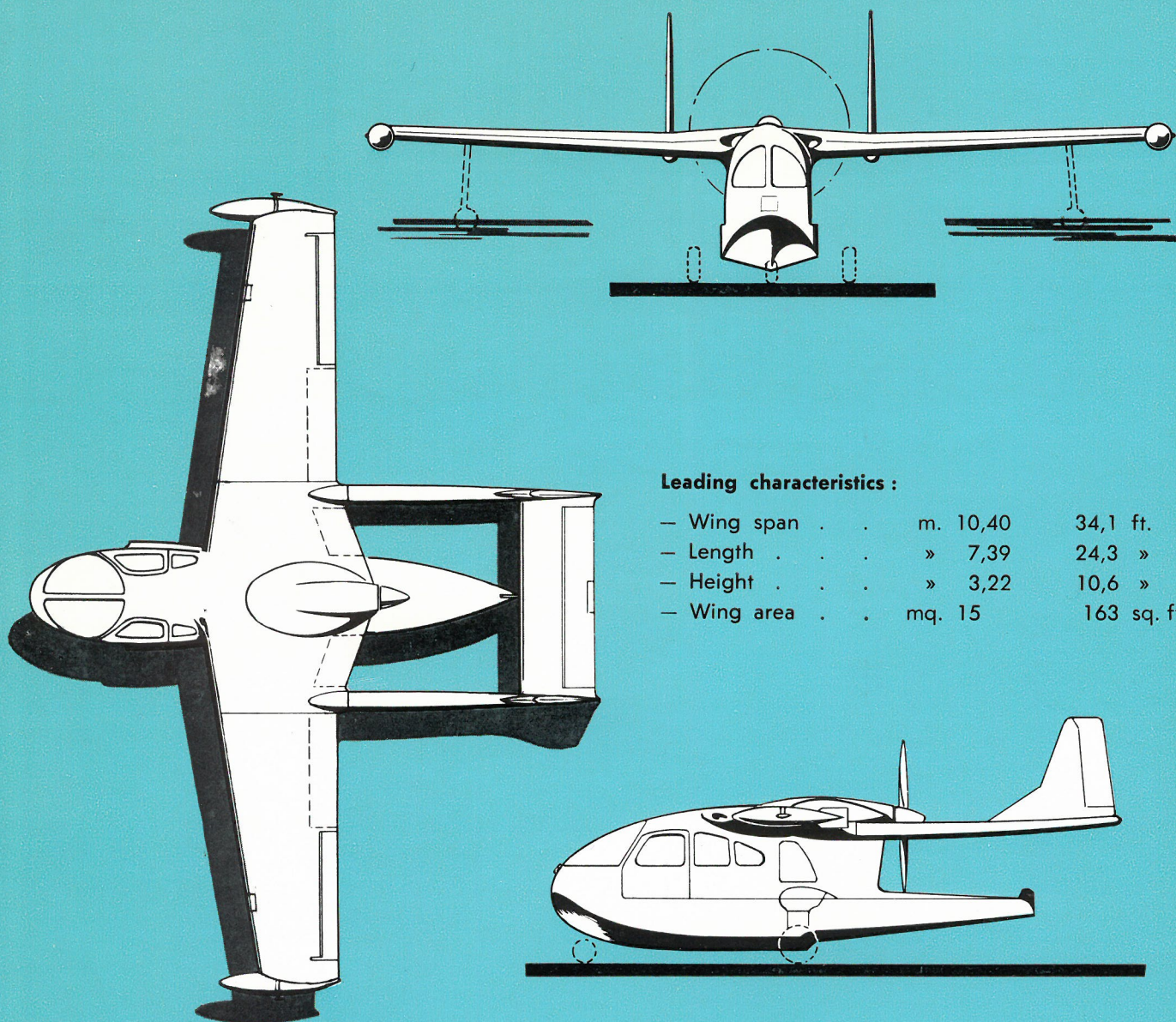
EUROPEAN AND AFRICAN OFFICES :

A. DELHAMENDE

Direction Promotion Ventes
Sales Promotion Direction
53, chaussée de Tongres, Kortesseem (Belgique)

B. A. NEEFS

Direction Vols et Essais
Flight and Demonstration Direction
Thy - Baisy (Belgique)



Leading characteristics :

| | | |
|-------------------|----------|-------------|
| — Wing span . . . | m. 10,40 | 34,1 ft. |
| — Length . . . | » 7,39 | 24,3 » |
| — Height . . . | » 3,22 | 10,6 » |
| — Wing area . . . | mq. 15 | 163 sq. ft. |

TECHNICAL DATA

Characteristics ratio :

| | |
|---------------------------|-------------------|
| — Wing loading | 20.05 lbs/sq. ft. |
| — Power loading | 13.10 lbs/HP. |

Weights :

| | |
|--------------------------------|------------|
| — Empty weight . . . Kg. 1.030 | 2,270 lbs. |
| — Useful load . . . » 455 | 1,000 » |
| — Total weight . . . » 1.485 | 3,270 » |

Power plant :

| | |
|------------------------------|---------|
| — « CONTINENTAL IO-470-P » | |
| — Take-off power | 250 HP. |
| — Max. cont. power | 250 » |

Propeller :

| | |
|--------------------------------------------------|--|
| — « HARTZELL » constant-speed | |
| reverse pitch pusher airscrew 2-blade or 3-blade | |

Cabin dimensions :

| | |
|-------------------------------|---------------|
| — Cabin height . . . m. 1,20 | 47.16 in. |
| — » length . . . » 2,90 | 114.00 » |
| — » width . . . » 1,07 | 42.12 » |
| — Door dimensions | 34.08x35.40 » |
| — Baggage space . . mc. 0,425 | 15 cu. ft. |

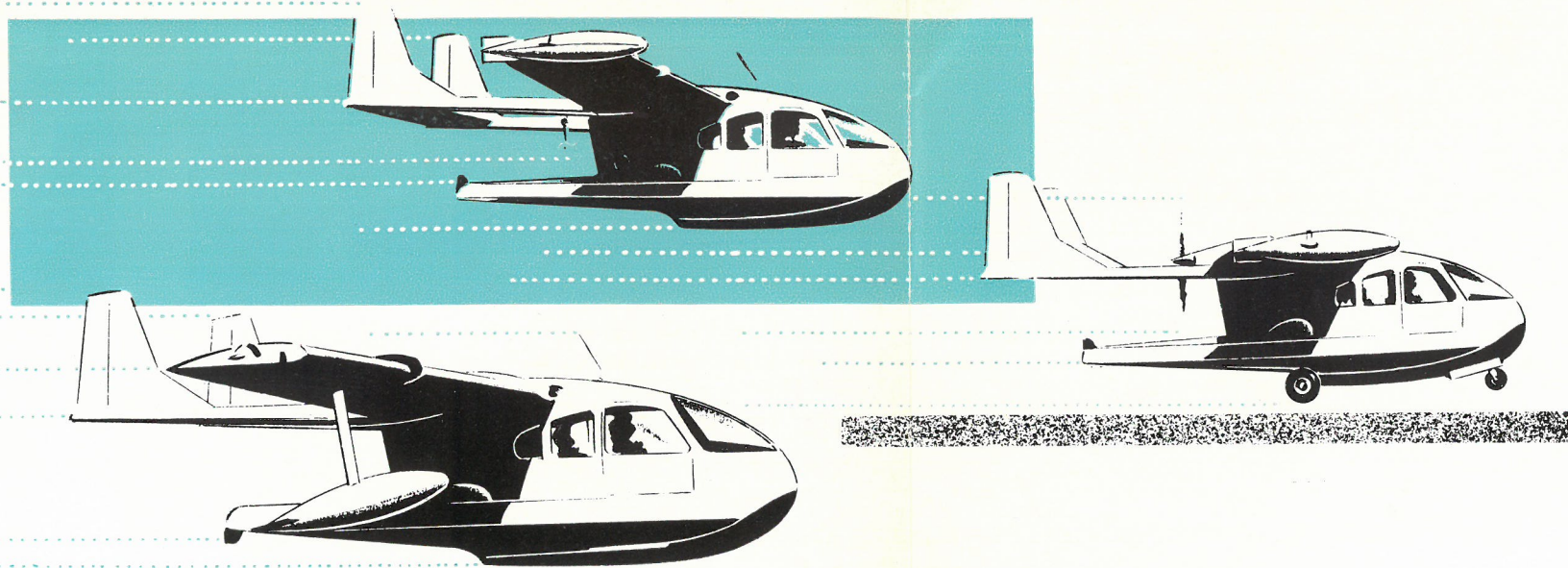
Landing gear :

| | |
|-----------------------------|----------|
| — Retractable tricycle type | |
| — Wheel track | 6.43 ft. |

Performances :

| | |
|-------------------------------------------------------------|--------------|
| — Max speed at sea level . . . | 177 mph. |
| — Stall speed with gear down, wing floats up, flaps 45° . . | 68 mph. |
| — Max. recommended Cruise 70 % Rated Power at 8,000 ft. | 164 mph. |
| Fuel consumption | 12.9 Gal/hr. |
| — Normal recommended Cruise 60 % Rated Power at 8,000 ft. | 152 mph. |
| Fuel consumption | 11.1 Gal/hr. |
| — Service ceiling | 18,500 ft. |
| — Take-off run (ground) . . . | 950 » |
| — Take-off run (water) . . . | 1,565 » |
| — Landing run (ground) . . . | 660 » |
| — Landing run (water) . . . | 625 » |
| — Normal Range at 8,000 ft. with 4 persons + baggage . . | 625 miles |

On land
on water
the Riviera
always ready
to serve you



TECHNICAL EQUIPMENT & INSTALLATION DATA

All systems have been studied and realized, making use of the most modern devices.

The FUEL SYSTEM is equipped with 4 fuel tanks, placed in the wing leading edge, with a total capacity of 63 gal. Besides the normal fuel pump, an electrical fuel pump has been installed, for the purpose of feeding the engine in case of failure of the engine driven pump.

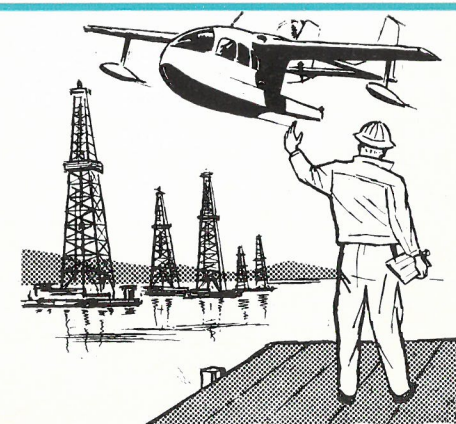
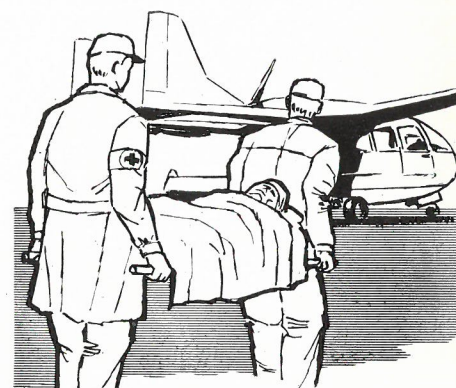
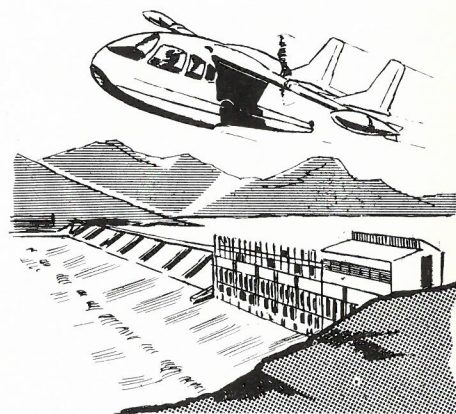
The HYDRAULIC SYSTEM comprises the most modern and up-to-date installations, combining highest functional safety and easy-to-handle devices. The hand pump insures a normal extension and downlock of the landing gear under all conditions thanks to its auxiliary system which is completely independent from the main system.

The ELECTRIC SYSTEM of 24 V, DC, provides for the correct and wide range operation of all electrical instruments and for the power necessary to operate numerous radio sets. All circuits are protected by special circuit breakers. A 24 V, 20 AH battery insures safe engine starting even in very cold weather. The OIL SYSTEM for the engine lubrication is most simple: 2 oil coolers provide for efficient cooling under any operating condition. The engine sump capacity is of 12 quarts.

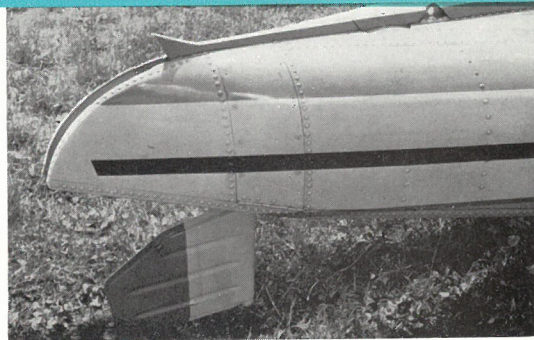
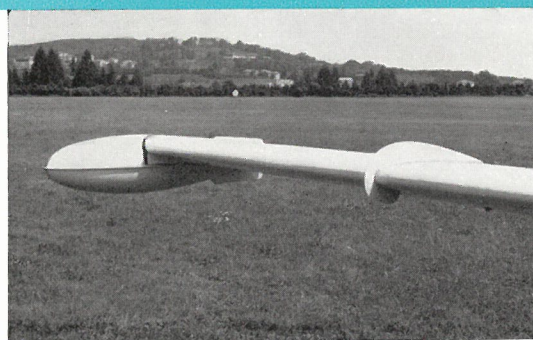
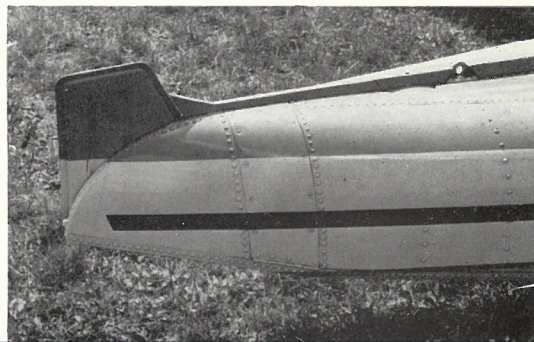
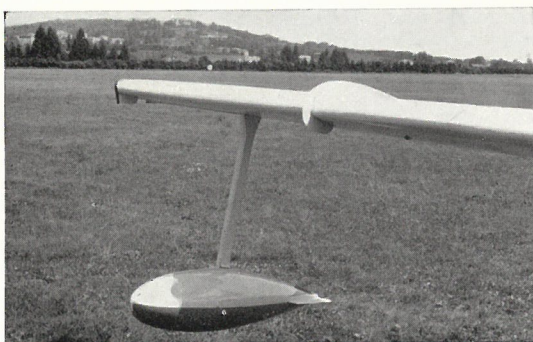


OPTIONAL EQUIPMENT

- 1) Co-Pilot's brakes.
- 2) Vacuum System for driving the giro instruments.
- 3) Various types radio sets.
- 4) Auxiliary cargo door.
- 5) Hull draining system with bilge pump.
- 6) Installation of anticollision rotating beacons.
- 7) Anchor.



The aircraft
RIVIERA FN. 333
 (licence Nardi)
 is certified
 by the F.A.A.
 with TYPE
CERTIFICATE N° 7A5



WING FLOATS

The retractable wing floats are hydraulically operated by two hydraulic actuators and are locked into their retracted position by means of mechanical locks and into their extended position by means of hydraulic devices which are incorporated in the hydraulic actuators.

It is important to note that, although the normal field landing procedure must be performed with the landing gears DOWN and the wing floats UP configuration, the aircraft can also land with the lowered wing floats without meeting any difficulty or danger.

WATER RUDDER

The water rudder is retractable during flight and can be lowered by pressing a button located on the pilot's wheel.

The lowered water rudder is controlled with the air rudder pedals. When the water rudder begins its retraction travel it becomes disconnected from the rudder pedals and is returned to the center or neutral position by a centering roller and a guide combination, so that the water rudder may always be retracted into its hull housing regardless of the position of the air rudder pedals.

The large water rudder is deep out of the hull wake, so that the maneuverability of the aircraft, while in water, may be compared to that of a normal motorboat.

The front window visibility is clear due to the absence of the engine and propeller in this area while the high wing construction gives perfect visibility towards the ground.

The tapestry of the cabin and the seat covers have been carefully studied, by famous Italian specialists, offering perfect color harmony and best quality.

Special attention has been given to avoid corners and surface irregularities, which could endanger the safety of the owners.



4 SEATS + BAGGAGE SPACE

Business flying, air taxi, touring

1 SEAT + FREIGHT SPACE

Harbor transports for urgent freight, available space for freight
57.5 cu. ft. (1,63 m³)

2 SEATS + SPACE FOR STRETCHER

For first aid - stretcher entrance door dimensions : 3.3 × 5.7 ft.
(m. 0,90 × 1,42)

DUAL CONTROL FOR SEAPLANE SCHOOL

