Renard R.34

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The **Renard R.34** was a 1930s Belgian two-seat biplane trainer designed by Alfred Renard and built by Societé Anonyme des Avions et Moteurs Renard.

R.34	
Role	Military training biplane
National origin	Belgium
Manufacturer	Renard
Designer	Alfred Renard
First flight	21 July 1934
Number built	1

Design and development [edit]

The R.34 was built for a Belgian military competition in October 1933 for an aerobatic and general-purpose biplane. The R.34 was a biplane that first flew on 21 July 1934 powered by a 240 hp (179 kW) Renard 200 radial engine. It was also fitted with a 260 hp (194 kW) Armstrong Siddeley Lynx engine fitted with a Townend ring. The competition was won by the Avro Tutor and, although the R.24 was later flown in a number of military configurations, it did not enter production.

Specifications (with Renard 200) [edit]

Data from Renard R.34[1]

General characteristics

- **Crew:** 2
- **Length:** 6.90 m (22 ft 8 in)
- **Wingspan:** 9.20 m (30 ft 2 in)
- **Height:** 2.45 m (8 ft 0 in)
- **Wing area:** 22 m^2 (240 sq ft)
- **Empty weight:** 740 kg (1,631 lb)
- **Gross weight:** 1,147 kg (2,529 lb)
- **Powerplant:** 1 × Renard 200 9-cylinder radial, 180 kW (240 hp)

Performance

- **Maximum speed:** 215 km/h (134 mph, 116 kn)
- **Stall speed:** 92 km/h (57 mph, 50 kn)
- **Service ceiling:** 5,500 m (18,000 ft)
- **Time to altitude:**
  - 7 minutes to 7,000 m (23,000 ft)
  - 17 minutes 20 sec to 4,000 m (13,000 ft)

Notes [edit]

1. ^ Hauet 1976, p. 28

Bibliography [edit]

- Hauet, André (April 1976). "Renard R.34: L'avion d'école et d'acrobatie tous usages qui séduisit pas l'Aéronautique militaire belge" [The All-purpose Training and Acrobatic Aircraft That Did Not Appeal to the Belgian Airforce]. *Le Fana de l'Aviation* (in French) (77): 26–29. ISSN 0757-4169.
- *The Illustrated Encyclopedia of Aircraft (Part Work 1982-1985)*. Orbis Publishing.

v · t · e **Aircraft produced by Renard** [show]

Categories: Renard aircraft | 1930s Belgian military trainer aircraft | Aerobatic aircraft | Biplanes | Single-engined tractor aircraft | Aircraft first flown in 1934

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