

AVRO 504 - 1914, trainer biplane



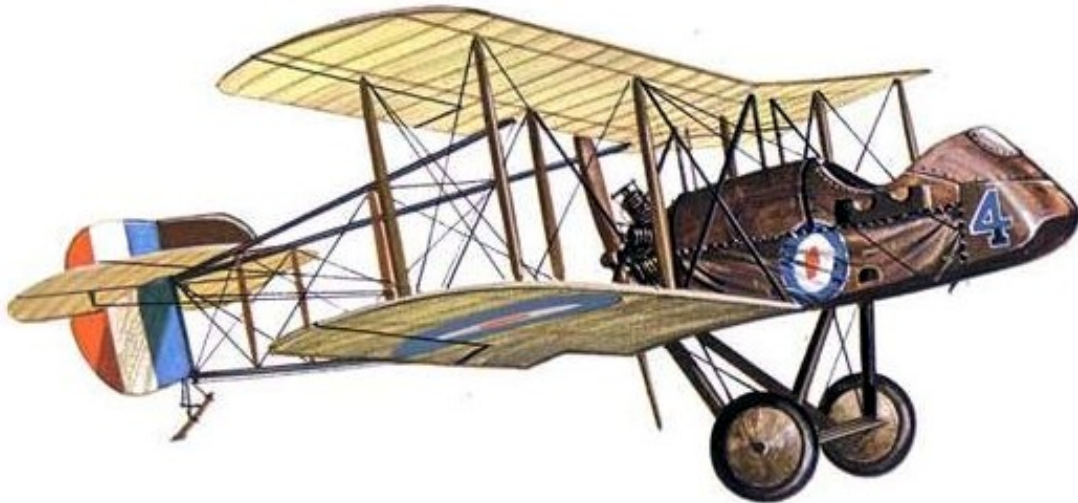
General characteristics

Crew: 2
Length: 29 ft 5 in
Wingspan: 36 ft
Height: 10 ft 5 in
Wing area: 330 ft²
Empty weight: 1,231 lb
Max takeoff weight: 1,829 lb
Powerplant: 1× Le Rhône
Rotary, 110 hp

Performance

Maximum speed: 90 mph
Cruise speed: 75 mph
Range: 250 mi
Service ceiling: 16,000 ft
Rate of climb: 700 ft/min
Wing loading: 5.54 lb/ft²
Power/mass: 0.06 hp/lb
Climb to 3,500 ft in 5 min

Airco-D.H. 2 - début 1916, pusher biplane



General characteristics

Crew: 1
Length: 25 ft 2½ in
Wingspan: 28 ft 3 in
Height: 9 ft 6½ in
Wing area: 249 ft²
Empty weight: 942 lb
Max takeoff weight: 1,441 lb
Powerplant: 1× Gnome
Monosoupape rotary engine, 100 hp

Performance

Maximum speed: 93 mph
at sea level
Range: 250 mi
Service ceiling: 14,000 ft
Rate of climb: 545 ft/min
Wing loading: 5.79 lb/ft²
Power/mass: 0.069 hp/lb
Endurance 2¾ hours
Climb to 5,000 ft 24 minutes
45 seconds

Armament

1 × .303 in (7.7 mm) Lewis gun
using 47-round drum magazines

F.E. 2b - début 1916, pusher biplane



General characteristics

Crew: Two (pilot & observer)
Length: 32 ft 3 in (9.83 m)
Wingspan: 47 ft 9 in (14.55 m)
Height: 12 ft 8 in (3.85 m)
Wing area: 494 ft² (45.9 m²)
Empty weight: 2,061 lb (937 kg)
Loaded weight: 3,037 lb (1,380 kg)
Powerplant: 1 × Beardmore 6-cylinder inline piston engine, 160 hp (119 kW)

Performance

Maximum speed: 80 knots (91.5 mph, 147 km/h)
Endurance: 3 hours
Service ceiling: 11,000 ft (3,353 m)
Rate of climb: 39 minutes 44 sec to 10,000 ft (3,048 m)
Wing loading: 6.15 lb/ft² (30.1 kg/m²)
Power/mass: 0.053 hp/lb (86 W/kg)

Armament

Guns:

1 or 2x .303 in (7.7 mm) Lewis gun for observer (one mounted in front and one firing back over the top wing)

1 or 2x .303 in (7.7 mm) Lewis gun sometimes mounted for the pilot's use in the F.E.2d

Bombs: up to 517 lb (235 kg) of bombs

S.E.5a - mi 1917, one of the best



General characteristics

Crew: One

Length: 20 ft 11 in (6.38 m)

Wingspan: 26 ft 7 in (8.11 m)

Height: 9 ft 6 in (2.89 m)

Wing area: 244 ft² (22.67 m²)

Empty weight: 1,410 lb (639 kg)

Loaded weight: 1,935 lb (880 kg)

Max. takeoff weight: 1,988 lb (902 kg)

Powerplant: 1 × Hispano-Suiza 8 or Wolseley Viper water cooled V8 engine, 200 hp (150 kW)

Performance

Maximum speed: 138 mph (222 km/h)

Range: 300 miles (483 km)

Service ceiling: 17,000 ft (5,185 m)

Wing loading: 7.93 lb/ft² (38.82 kg/m²)

Armament

Guns:

1x 0.303 in (7.7 mm) forward-firing Vickers machine gun with Constantinesco interrupter gear

1x .303 in (7.7 mm) Lewis gun on Foster mounting on upper wing

Bombs: 4x 25 lb (11 kg) Cooper bombs, two under each lower wing, to be dropped in 2, 3, 4, 1 order.

Sopwith Camel - mi 1917



General characteristics

Crew: 1

Length: 18 ft 9 in (5.71 m)

Wingspan: 28 ft 0 in (8.53 m)

Height: 8 ft 6 in (2.59 m)

Wing area: 231 ft² (21.46 m²)

Empty weight: 930 lb (420 kg)

Loaded weight: 1,455 lb (660 kg)

Powerplant: 1 × Clerget 9B 9-cylinder Rotary engine, 130 hp (97 kW)

Zero-lift drag coefficient: 0.0378

Drag area: 8.73 square feet (0.811 m²)

Aspect ratio: 4.11

Performance

Maximum speed: 115 mph (185 km/h)

Stall speed: 48 mph (77 km/h)

Range: 300 mi ferry (485 km)

Service ceiling: 21,000 ft (6,400 m)

Rate of climb: 1,085 ft/min (5.5 m/s)

Wing loading: 6.3 lb/ft² (30.8 kg/m²)

Power/mass: 0.09 hp/lb (150 W/kg)

Lift-to-drag ratio: 7.7

Armament

Guns: 2 × 0.303 in (7.7 mm) Vickers machine guns

Bristol F.2B Fighter "Brisfit"



General characteristics

Crew: 2 (pilot & observer/gunner)

Length: 25 ft 10 in (7.87 m)

Wingspan: 39 ft 3 in (11.96 m)

Height: 9 ft 9 in (2.97 m)

Wing area: 405 ft² (37.62 m²)

Empty weight: 2,145 lb (975 kg)

Max. takeoff weight: 3,243 lb (1,474 kg)

Powerplant: 1 × Rolls-Royce Falcon III liquid-cooled V12 engine, 275 hp (205 kW)

Performance

Maximum speed: 123 mph (107 kn, 198 km/h) at 5,000 ft (1,500 m)

Range: 369 mi (320 nmi, 593 km)

Service ceiling: 18,000 ft (5,500 m)

Rate of climb: 889 ft/min (4.5 m/s)

Armament

Guns:

1 × .303 in (7.7 mm) forward-firing [Vickers machine gun](#) in the upper fuselage

1 or 2 × .303 in [Lewis Guns](#) in the observer's cockpit

Bombs: 240 lb (110 kg)