

## Fokker E.III - mi 1915



### General characteristics

- ◆ **Crew:** 1
- ◆ **Length:** 7.2 m (23 ft 7 in)
- ◆ **Wingspan:** 9.52 m (31 ft 3 in)
- ◆ **Height:** 2.4 m (7 ft 10 in)
- ◆ **Wing area:** 16 m<sup>2</sup> (170 sq ft)
- ◆ **Empty weight:** 399 kg (880 lb)
- ◆ **Gross weight:** 610 kg (1,345 lb)
- ◆ **Powerplant:** 1 × Oberursel U.I 9-cyl. rotary engine, 75 kW (100 hp)

### Performance

- ◆ **Maximum speed:** 140 km/h (87 mph; 76 kn)
- ◆ **Endurance:** 1.5 hours
- ◆ **Service ceiling:** 3,600 m (11,810 ft)
- ◆ **Rate of climb:** 3.333 m/s (656.1 ft/min)
- ◆ **Time to altitude:**
  - 1,000 m (3,281 ft) in 5 minutes
  - 3,000 m (9,843 ft) in 30 minutes

### Armament

- ◆ **Guns:** 1 × 7.92 mm (0.312 in) LMG 08/15 machine gun offset to starboard, synchronised to fire through the propeller.

# Albatros D.II/D.III - fin 1916

Albatros D.I/D.II/D.III/D.V/Dr.I | Germany (WWI) | Jasta 11 | Albatros D.III | D.2016/16



## General characteristics

- ◆ **Crew:** one (pilot)
- ◆ **Length:** 7.40 m (23 ft 3.5 in)
- ◆ **Wingspan:** 8.50 m (27 ft 11 in)
- ◆ **Height:** 2.59 m (8 ft 6 in)
- ◆ **Wing area:** 24.5 m<sup>2</sup> (264 ft<sup>2</sup>)
- ◆ **Empty weight:** 637 kg (1,404 lb)
- ◆ **Loaded weight:** 888 kg (1,958 lb)
- ◆ **Powerplant:** 1 × Mercedes D.III 6-cylinder inline engine, 120 kW (160 hp)

## Performance

- ◆ **Maximum speed:** 175 km/h (95 kn, 110 mph)
- ◆ **Service ceiling:** 5,180 m (16,990 ft)
- ◆ **Rate of climb:** 3 m/s (596 ft/min)
- ◆ **Endurance:** 1.5 hours

## Armament

- ◆ 2 × forward-firing synchronized 7.92 mm (.312 in) LMG 08 (early) or LMG 08/15 (later) machine guns

## Fokker Dr.I Triplane 1917, the Red Baron's famous aircraft



### General characteristics

- ◆ **Crew:** One
- ◆ **Length:** 5.77 m (18 ft 11 in)
- ◆ **Wingspan:** 7.20 m (23 ft 7 in)
- ◆ **Height:** 2.95 m (9 ft 8 in)
- ◆ **Wing area:** 18.70 m<sup>2</sup> (201 ft<sup>2</sup>)
- ◆ **Empty weight:** 406 kg (895 lb)
- ◆ **Loaded weight:** 586 kg (1,292 lb)
- ◆ **Powerplant:** 1 × Oberursel Ur.II 9-cylinder rotary engine, 82 kW (110 hp)
- ◆ **Zero-lift drag coefficient:** 0.0323
- ◆ **Drag area:** 0.62 m<sup>2</sup> (6.69 ft<sup>2</sup>)
- ◆ **Aspect ratio:** 4.04

### Performance

- ◆ **Maximum speed:** 185 km/h at sea level (115 mph at sea level)
- ◆ **Stall speed:** 72 km/h (45 mph)
- ◆ **Range:** 300 km (185 mi)
- ◆ **Service ceiling:** 6,095 m (20,000 ft)
- ◆ **Rate of climb:** 5.7 m/s (1,130 ft/min)
- ◆ **Lift-to-drag ratio:** 8.0

### Armament

- ◆ 2 × 7.92 mm (.312 in) "Spandau" IMG 08 machine guns.

## Folker D.VII – 1918



### General characteristics

- ◆ **Crew:** 1
- ◆ **Length:** 6.954 m (22 ft 10 in)
- ◆ **Wingspan:** 8.9 m (29 ft 2 in)
- ◆ **Height:** 2.75 m (9 ft 0 in)
- ◆ **Wing area:** 20.5 m<sup>2</sup> (221 sq ft)
- ◆ **Empty weight:** 670 kg (1,477 lb)
- ◆ **Gross weight:** 906 kg (1,997 lb)
- ◆ **Powerplant:** 1 × Mercedes D.III 6-cyl. water-cooled in-line piston engine, 120 kW (160 hp)
  - or 1 × 130.5 kW (175 hp) Mercedes D.IIIa 6-cyl. water-cooled in-line piston engine
  - or 1 × 137.95 kW (185 hp) BMW IIIa 6-cyl. water-cooled in-line piston engine

### Performance

- ◆ **Maximum speed:** 189 km/h (117 mph; 102 kn)
  - BMW IIIa engine - 200 km/h (124 mph)
- ◆ **Service ceiling:** 6,000 m (19,685 ft) <sup>[12]</sup>
- ◆ **Rate of climb:** 3.92 m/s (772 ft/min)
  - BMW IIIa engine – 9.52 metres per second (1,874 ft/min)
- ◆ **Time to altitude:**
  - 1,000 m (3,281 ft) in 4 minutes 15 seconds
  - 2,000 m (6,562 ft) in 8 minutes 18 seconds
  - 3,000 m (9,843 ft) in 13 minutes 49 seconds
  - 4,000 m (13,123 ft) in 22 minutes 48 seconds
  - 5,000 m (16,404 ft) in 38 minutes 5 seconds

### Armament

- ◆ **Guns:** 2 × 7.92 mm (.312 in) LMG 08/15 "Spandau" machine guns

## Fokker D.VIII – fin 1918



### General characteristics

- ◆ **Crew:** 1
- ◆ **Length:** 5.86 m (19 ft 3 in)
- ◆ **Wingspan:** 8.34 m (27 ft 4 in)
- ◆ **Height:** 2.6 m (8 ft 6 in)
- ◆ **Wing area:** 10.7 m<sup>2</sup> (115 sq ft)
- ◆ **Empty weight:** 405 kg (893 lb)
- ◆ **Gross weight:** 605 kg (1,334 lb)
- ◆ **Powerplant:** 1 × Oberursel UR.II 9-cyl. air-cooled rotary piston engine, 82 kW (110 hp)

### Performance

- ◆ **Maximum speed:** 204 km/h (127 mph; 110 kn)
- ◆ **Endurance:** 1.5 hours
- ◆ **Service ceiling:** 6,000 m (19,685 ft)
- ◆ **Rate of climb:** 8.333 m/s (1,640.4 ft/min)
- ◆ **Time to altitude:**
  - 1,000 m (3,281 ft) in 2 minutes
  - 4,000 m (13,123 ft) in 10 minutes 45 seconds

### Armament

- ◆ **Guns:** 2 × 7.92 mm (0.312 in) Spandau MG08 machine guns