

Fokker D.XVI Conqueror Omega Models¹ resin kit

Sesquiplane fighter prototype

Scale 1:72

Fokker produced in 1929 three prototypes of its D.XVI fighter: One with an Armstrong Siddeley Jaguar engine, that would see service with the Dutch Army Air Department (LVA, Luchtvaart Afdeling), one with a Bristol Jupiter engine, which was sold in small number to Italy, Hungary and China and one with a Curtiss Conqueror engine for the Air Department of the Dutch East Indies Army (LA KNIL). The choice of the engine of this last version was inspired by the clear preference of the Dutch East-Indies authorities for that type of engine.

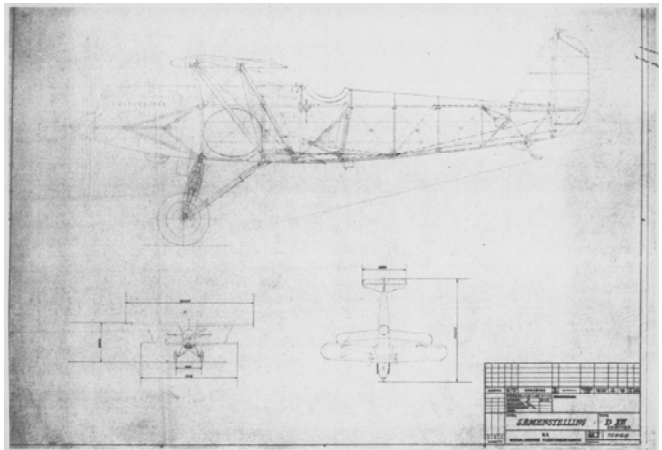
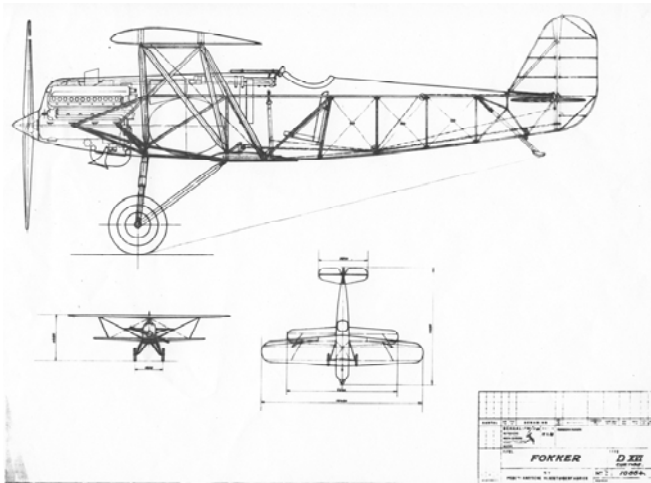


This is a candidate future project of Omega Models (private communication with Jan Pala).



None of the references explicitly specify the characteristics and performance of the Conqueror version, except two original Fokker drawings (10664 dated April 10, 1930 and 10968 dated August 27, 1931) reproduced below. There are only minor differences between the two drawings, the most important one being the shape of the cabane and the radiator and oil cooler

configuration. The dimensions given in both drawings are slightly different and it is not clear which ones apply to the actual prototype. Although the drawings are from a later date than the prototype, they seem to correspond well with the photograph of the F-32 alone, but in the picture of the three prototypes together the Conqueror version seems to have a more massive front fuselage. Possibly it was equipped with a water-cooled version of the engine, which needed a considerably larger radiator.



It seems likely, that the Conqueror prototype has been equipped with the same wing as the Jaguar and Jupiter prototypes, but that it had the greater length. The Conqueror version was equipped already as a prototype with an undercarriage without a straight axle between the individual legs.

The general references on the Fokker DXVI are the following. Alting (ref. 1), Franquinet (ref. 2), Hegener (ref. 3), Hooftman (ref. 4), Schoenmaker (ref. 5), Wesselink (ref. 6), Gerdessen (ref. 7), Vliegwereld (ref. 8), Fokker Bulletin (ref. 10) and Postma (ref. 11) report the dimensions of the D.XVI. Franquinet, Hegener, Gerdessen, Vredeling (ref. 9) and Fokker Bulletin show three-view drawings.

	<i>Ref.</i>	<i>10664</i>	<i>10968</i>	<i>1:72</i>	<i>model</i>
<i>Span (upper wing)</i>	9.17-9.40 m	10.40 m	9.40 m	127.4-130.6 mm	mm
<i>(lower wing)</i>	7.12 m	7.20 m	7.12 m	98.9 mm	
<i>Length</i>	7.20-7.34 m	7.55 m	7.60 m	100.0-101.9 mm	mm
<i>Height</i>	2.47-2.75 m	2.95 m	2.80 m	34.3-38.2 mm	mm
<i>Engine</i>	Curtiss Conqueror V 1570, 625 hp				
<i>Crew</i>	1				
<i>Armament</i>	2 machine guns Vickers M20, FN-Browning M36				

Cockpit

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Fuselage

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Wing

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Undercarriage

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Final assembly

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ⁱ www.omgea-models.com