

# **RS models** resin kits and accessories production

RS models

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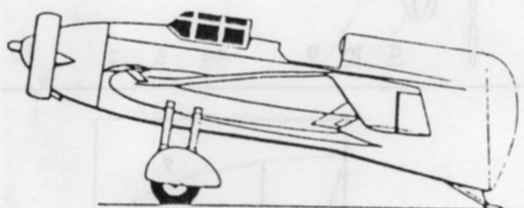
Note new adress :

http:// [www.rsmodels.cz](http://www.rsmodels.cz)

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## **Lippisch DFS 39 /Delta IV c/**



The Delta was built in 1932 by the G.Fieseler Werke in Kassel as the Fieseler F-3 Vesppe, the intention being to enter this unorthodox aircraft for the Europarundflug held in that year. The Delta IV alias F-3 was a tandem two-seat monoplane featuring a broad-chord wing with sharply swept-back leading edges and straight trailing edges occupied entirely by flaps and elevons. A small canard foreplane was provided by two 75 hp Pobjoy engines, one mounted in the nose of the abbreviated fuselage as a tractor and the other at the rear as a pusher. G.Fieseler himself piloted the aircraft on its first flight and crashed. As a result of this accident Fieseler lost interest in the Delta IV, but Lippisch continued development. Flight trials were resumed with the aircraft designated the Delta IVa. The Delta IVa, was found to possess extremely bad handling characteristics and was unstable, crashing during a landing approach. Dr. Walter Georgii of the DFS now came to Lippisch's rescue, taking the Delta IV under the wing of the Institute and rebuilding it as the DFS 39 Delta IVb. Successful trials were conducted with the Delta IVb as a single-seater, and a second Delta IV airframe that of the Delta IVb was fitted. The fuselage was also extensively rebuilt, and the second aircraft flew in 1936 as the DFS 39 Delta IVc, testing being performed by Heini Dittmar, and a full certificate of airworthiness being obtained without difficulty.

The handling characteristics of the Delta IVc were the exact antithesis of those of the Delta IV and IVa, and these coupled with the tailless configuration, prompted the request from the construction of a further airframe for testing the R I-203 bi-fuel rocket motor then being developed by Prof. Helmuth Walter.

### Specification :

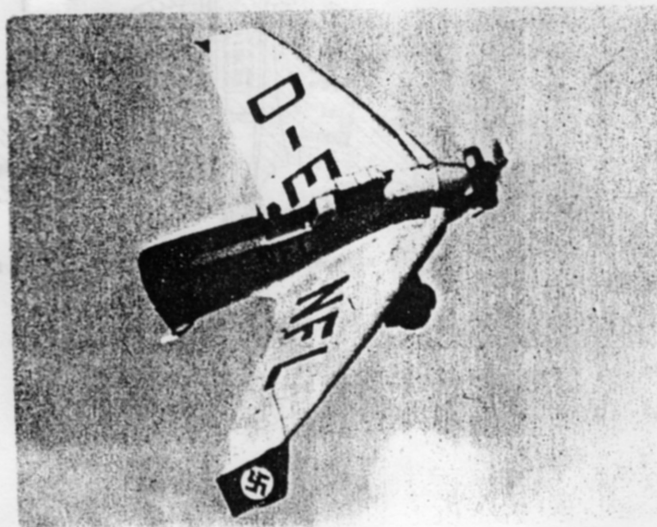
Span	9,6 m
Length	5,4 m
Height	1,8 m
Empty weight	390 kg
Loaded weight	600 kg
Max. speed	220 km/h
Cruising speed	180 km/h

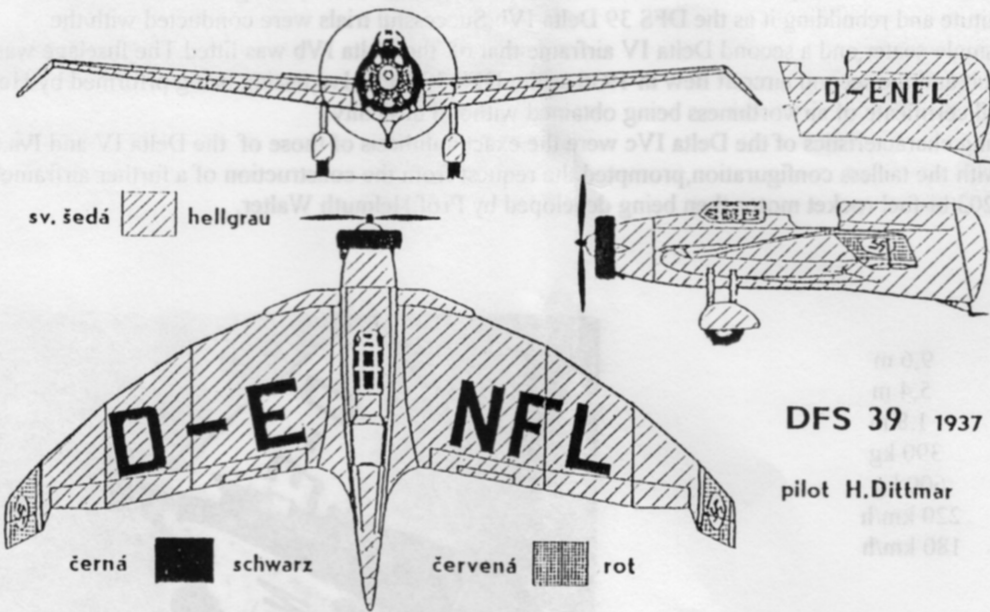
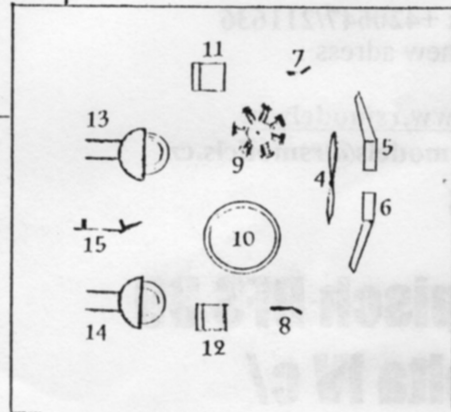
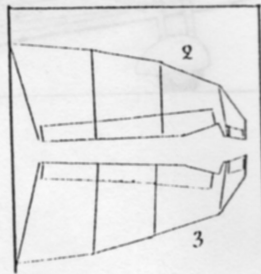
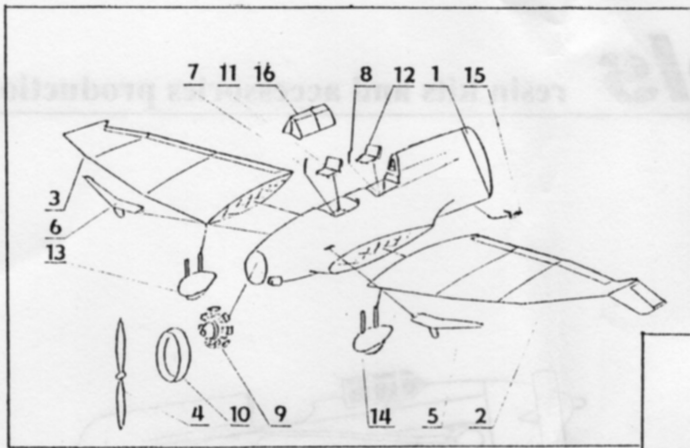
### References :

Letectví a Kosmonautika

M.Ziegler Me 163

H.Schneider Flugzeug-Typenbuch





DFS 39 1937

pilot H. Dittmar