

DG FLUGZEUGBAU DG-400

Specifications

Span	55.8 ft./17.0 m.
Area	113.8 sq.ft./10.57 sq.m.
Aspect Ratio	27.3
Airfoil	Wortmann FX67-K-170-17 root, FX-60-K-126 tip
Empty weight	683 lb./310 kg.
Payload	342 lb./155 kg.
Gross weight	1,014 lb./460 kg.
Wing loading	8.91 lb./sq. ft./43.52 kg./sq.m.
Engine	43 bhp/32 kW Rotax 505
Structure:	all carbon wing, fiberglass fuselage/tail.

Performance

L/D max.	45 @ 59 kt/69 mph/109 kph
Min. sink	1.64 fps/0.97 kt/0.50 m/s. @ 43 kt/49 mph/80 kph

Other

Country of origin	Germany
Designer	Wilhelm Dirks
No. of seats	1
No. built	over 250
No. in the U.S.	40
References:	8-81, p. 13; 4-82, p. 41; 3-85, p. 38.



The DG-400, which first flew in 1981, is a self-launching development of the unpowered DG-202. It has 15 m. wings with add-on tips to increase the span to 17 m. An electric extension-retraction system deploys the dual-ignition 2 cycle engine. Accompanying data are for the 17 m. version. Without the tip extensions, the 15 m. version carries 43 lb/20 kg more payload, but with higher sink rate (1.97 fps/1.17 kt/0.60 m/s) and lower L/D (41). B. Bunzli of Switzerland raised the world 500 km speed triangle record to 91.8 kt/105.7 mph/170.06 kph flying a DG-400. ATC.