

II Model DIAMANT 16.5 approved 1 July, 1969 (cont'd)

Datum	Wing leading edge at root rib			
Leveling Means	The fuselage reference line BL, which is parallel to a line defined by the following points: Point "A" on the upper fuselage surface centerline at the aft edge of the canopy, and point "B" 1 3/8 inches above the upper fuselage surface centerline 40 inches aft of point "A".			
Maximum Weight	Without water ballast:			860 lbs
	With water ballast in the wings:			900 lbs
Number of seats	1			
Baggage	None			
Control surface movements	Elevator	UP	10°	Down 10°
	Rudder	Right	30°	Left 30°
	Aileron			
	Flaps neutral	UP	21°	Down 9°
	Flaps down	UP	15°	Down 15°
	Flaps up	UP	23°	Down 4°
	Flaps	UP	12.5°	Down 15°

Data Pertinent to all Models

Serial Nos. Eligible	The Swiss Federal Air Office Certificate of Airworthiness for Export endorsed as noted below under "Import Requirements" must be submitted for each individual glider for which application for certification is made.
Certification Basis	FAR 21.29 - FAR 21.23, FAA Basic Glider Criteria Handbook of 1962. Type Certificate No.G13EU issued June 7, 1967 Date of Application for Type Certificate: June 6, 1966
Import Requirements	A U.S. Airworthiness Certificate may be issued on the basis of a Certificate of Airworthiness for Export signed by a representative of the Swiss Federal Air Office, containing the following statement: "The glider covered by this certificate has been examined and found to comply with FAR 21.23, FAA Basic Glider Criteria Handbook of 1962 and conforms to Type Certificate No.G13EU."
Equipment	The Basic required equipment as prescribed in the applicable airworthiness regulations (See Certification Basis) must be installed in the glider for certification. In addition, the following is required: a) <u>For Model Diamant 16.5:</u> Swiss Federal Air Office approved Sailplane Flight and Maintenance Manual Report No.FV-818.

NOTE 1: Current weight and balance report including list of equipment included in certificated empty weight, and loading instructions when necessary, must be provided for each glider at the time of original certification.

NOTE 2: The following placards must be installed in full view of the pilot:

Model HBV "DIAMANT"

- a) "Cloud flying": Permitted only when the following instruments are installed:
1. Sensitive Altimeter
 2. Variometer
 3. Compass
 4. Electric Turn and Bank
 5. Clock
- b) "No acrobatic maneuvers including spins approved".
- c) "When flying in rough air do not exceed 90 knots".
- d) "Night flying is prohibited".

Model DIAMANT 16.5

- a) This sailplane must be operated in compliance with the Approved Sailplane Flight Manual.

Footnote:

All placard required in the Approved Sailplane Flight Manual must be installed in the appropriate locations.

NOTE 3: All external portions of the glider exposed to sunlight must be painted white. Registration and Competition numbers must be painted blue-gray, or in any other light colours.

NOTE 4: Maintenance, inspections and repairs must be accomplished in accordance with Swiss Federal Air Office approved Flug- and Fahrzeugwerke AG, Flight and Maintenance Manual, Report No. FV-812 for the Model HBV DIAMANT and Report No. FV-818 for the Model DIAMANT 16.5; and Repair Manual, Report No. FV-816, for the Model HBV DIAMANT and Model DIAMANT 16.5 dated May 27, 1968.

NOTE 5: Major repairs must be performed in accordance with repair methods approved by the Flug- and Fahrzeugwerke AG, Altenrhein.

...END...