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|------------------------------------|---|
| Leveling Means                     | Points marked on the sides of the fuselage and on the downward surfaces of the wings and horizontal tail surface. |
| Maximum Take-Off Weight            | 1587 lbs (720 kg)   |
| Empty Weight                       | 1102 lbs (500 kg) $\pm$ 3%  |
| Minimum Crew                       | One   |
| Number of Seats                    | 2   |
| Equipment and Baggage Weight       | Baggage 44 lbs. (20 kg)   |
| Fuel Tank Capacity<br>(See NOTE 1) | Total: 50 liters<br>13.2 U.S. gallons<br>Usable: 49.3 Liters at 2250 mm<br>13 U.S. gals at 88.58 in.              |
| Oil Capacity<br>(See NOTE 1)       | 11 IMP gallons<br>Total: 5.2 Liters at 70 mm<br>5.48 Quarts at 2.76 in  |
| Flight Load Factors                | +5,3 to -2,65   |

## Control Surface Movements

|          | <u>Up</u>   | <u>Down</u>  |
|----------|-------------|--------------|
| Aileron  | 32.0 deg    | 13.0 deg     |
| Elevator | 32.0 deg    | 22.0 deg     |
|          | <u>Left</u> | <u>Right</u> |
| Rudder   | 30.0 deg    | 30.0 deg     |

For measuring points and tolerances see Maintenance Manual.

Serial Nos. Eligible Each individual aircraft manufactured under this type certificate must be accompanied by a Certificate of Airworthiness for Export (or certifying statement endorsed by the Exporting Civil Airworthiness Authority (Civil Aviation Inspectorate, Czech Republic) as noted below under "Import Requirements") when an application for a U.S. airworthiness is made.

L 13 SEH VIVAT: 930429 and subsequent.

Import Requirements A U.S. Standard Airworthiness Certificate may be issued on the basis of a Certificate of Airworthiness for Export endorsed by a representative of the original manufacturer's airworthiness authority (Civil Aviation Inspectorate, Czech Republic) containing the following statement: "The aircraft covered by this certificate has been examined, tested, and found to conform to the type design approved under Type Certificate No. G72EU and is in a condition for safe operation."

Certification Basis JAR 22 Change 4 issued April 1, 1980 (Amendment 22/92/1, effective January 1, 1992, amended as follows:  
 - JAR 22.177(b) including AC 21.17-2, dated July 13, 1989, para. 6.c. (6)(i)(A), (B), (C), and (D);  
 - JAR 22.207(b) including AC 21.17-2, para. 6.c. (6)(ii);  
 - JAR 22.1545 including AC 21.17-2, para 6.c. (6)(iii); and AC 21.17-2, para. 6.c. (7).

|                  |   |
|------------------|---|
| Validation Basis | Type Certificate G72EU was issued pursuant to FAR 21.29 in validation of a (CAI) Czech Republic, certification of compliance with the aforementioned certification basis, and in accordance with the standard airworthiness certificate provisions of FAR 21.183(c).  |
| Equipment        | <p>The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for airworthiness certification. In addition, the following items of equipment are required:</p> <ol style="list-style-type: none"> <li>1. Model L 13 SEH VIVAT - CAI approved (for the FAA) Sailplane Flight Manual, Ref. Aerotechnik Document No. 950934, dated September 24, 1993, or later CAI approved revision.</li> <li>2. Standard Equipment <ul style="list-style-type: none"> <li>1 Airspeed indicator in knots</li> <li>1 Altimeter - altitude scale in feet, pressure scale in inches Hg</li> <li>1 Variometer in feet/min (vertical speed)</li> <li>1 Magnetic compass</li> <li>1 Tachometer with elapsed time indicator</li> <li>1 Cylinder head temperature indicator</li> <li>1 Oil thermometer</li> <li>1 Oil pressure gauge</li> <li>1 Volt-ammeter</li> <li>1 Fuel quantity indicator</li> <li>1 Indicator of nitrogen pressure in wing main spar</li> <li>2 sets of safety harness</li> </ul> </li> </ol> |

#### NOTES

NOTE 1. A current weight and balance report including list of equipment in certificated empty weight, and loading instructions, must be provided with each aircraft at the time of original airworthiness certification, and at all times thereafter.

The certificated empty weight and the corresponding center of gravity location must include full oil (10.65 lbs at 2.76 inches), and unusable fuel (1.2 lbs at 88.58 inches).

NOTE 2. Placards (Refer to Manufacturer's Specifications (Maintenance Manual Doc. No. 730944), for a complete listing): All required placards as listed in the approved Airplane Flight Manual must be installed in the appropriate locations.

(1) The following placard must be displayed in clear view of the pilot:

**"THE MARKINGS AND PLACARDS INSTALLED IN THIS SAILPLANE CONTAIN OPERATING LIMITATIONS WHICH MUST BE COMPLIED WITH WHEN OPERATING THIS SAILPLANE IN THE UTILITY CATEGORY. OTHER OPERATING LIMITATIONS WHICH MUST BE COMPLIED WITH WHEN OPERATING THIS SAILPLANE IN THIS CATEGORY ARE CONTAINED IN THE SAILPLANE FLIGHT MANUAL."**

...END...