





Number of Seats	<p>15 places total:</p> <p>2 (flight deck) at gondola station 22.38 meters  1 passenger LH at gondola station 23.31 meters  1 passenger LH at gondola station 24.49 meters  1 passenger LH at gondola station 25.31 meters  1 passenger LH at gondola station 26.12 meters  1 passenger LH at gondola station 26.93 meters  1 passenger LH at gondola station 27.75 meters  1 passenger RH at gondola station 23.31 meters  1 passenger RH at gondola station 24.72 meters  1 passenger RH at gondola station 25.49 meters  1 passenger RH at gondola station 26.25 meters  1 passenger RH at gondola station 27.00 meters  1 passenger RH at gondola station 27.77 meters  1 passenger RH at gondola station 28.53 meters</p> <p>(or optional configurations identified in Zeppelin document 07 TD 01 250,  Zeppelin LZ N07-100 Optional Cabin Layouts, but not to exceed 13 passenger seats.)</p>
Baggage/Cargo	No dedicated baggage/cargo station.
Fuel Capacity	<p>110.95 gallons usable at gondola station 29.3 meters (LH)  110.95 gallons usable at gondola station 29.3 meters (RH)  84.57 gallons usable at gondola station 76.6 meters (Aft)  The unuseable fuel is included in the certificated empty weight (See Note 1.)</p>
Oil Capacity	<p>8.0 qts. maximum, 5.0 qts. minimum at 29.3 meters (LH)  8.0 qts. maximum, 5.0 qts. minimum at 29.3 meters (RH)  8.0 qts. maximum, 5.0 qts. minimum at 76.6 meters (Aft)</p>
Ballast	<p>In flight:  1543 lbs. (700 kg) of water at 25.6 meters  441 lbs (200 kg) at 26.9 m. (Gondola locker aft)</p> <p>Ground:  1543 lbs. (700 kg) of water at 25.6 meters  441 lbs (200 kg) at 24.1 meters (Gondola locker forward)  661 lbs (300 kg) at 26.9 meters (Gondola locker aft)  397 lbs (180 kg) at 63.2 meters (Landing gear aft)</p> <p>See Note 7.</p>
Maximum Operating Altitude	10,000 feet (pressure altitude.)
Control Surfaces	Three (triform), inverted "Y".
Control Surface Movements	± 20° (all)
Vectored Thrust Movements	<p>Side Engines: 0° (forward horizontal) to 120° up.  Aft Engine: 0° (aft horizontal) to 90° down.</p> <p>Avoid sustained operation with forward swivel angles between 43° and 57° during normal operation</p>
Serial Nos. Eligible	002 and on. (ZLT Option K73 must be installed for US import.)

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Import Requirements	<p>The FAA can issue a U.S. airworthiness certificate based on an NAA Export Certificate of Airworthiness (Export C of A) signed by a representative of the Luftfahrt Bundesamt on behalf of the European Community. The Export C of A should contain the following statement: ‘The aircraft covered by this certificate has been examined, tested, and found to comply with U.S. airworthiness regulations 14 CFR Part 21.17(b) approved under U.S. Type Certificate No. AS1CE and to be in a condition for safe operation.’</p>
Certification Basis	<p>14 CFR Parts 21.17(b) at amendment 21-70, effective December 31, 1992:</p> <p>Compliance with FAR 21.17(b) has been shown utilizing the provisions of Advisory Circular 21.17-1 dated October 30, 1992, section 5.</p> <p>The airworthiness and environmental requirements met under this provision are the German national requirement the <u>Lufttüchtigkeitsforderungen für Luftschiffe der Kategorien Normal und Zubringer (LFLS)</u>, issued April 13, 2001, with additional or alternate requirements as identified in notice for final design criteria in the Federal Register; Volume 73, Number 62, on March 31, 2008.</p> <p>Compliance to LFLS §1415 ditching provisions, has been shown.</p> <p>Application for Type Certificate dated January 10, 2001.</p> <p>Type Certificate No. AS1CE issued June 11, 2008.</p> <p>The Luftfahrt Bundesamt originally type certificated this aircraft under its type certificate Number 9004. The FAA validated this product under U.S. Type Certificate Number AS1CE. Effective September 28, 2003, the European Aviation Safety Agency EASA) began oversight of this product on behalf of Germany.</p> <p>Approved for Day/Night VFR operations.</p>
Equipment	<p>The basic required equipment as prescribed in the applicable airworthiness requirements (see Certification Basis) must be installed in the aircraft for certification.</p> <p>In addition to the above required equipment, the following equipment is also required: FAA approved Airship Flight Manual, Document Number 07 ML 01 200, Revision E, issued April 2, 2003, or later FAA approved revision. (See Note 4.) The airship must be operated in accordance with Zeppelin Airship Ground Handling Manual, 07 ML 01 400, Revision C-00, dated November 16, 2007, or later FAA approved revision. This manual is to be made available to the operator's flight and ground crews.</p> <p>AFM-POH Supplement 11 required when fitted with Option P20 and B20.</p>
Service Information	<p>Each of the documents listed below must state that it is approved by the European Aviation Safety Agency (EASA) or – for approvals made before September 28, 2003 – by the Luftfahrt Bundesamt.</p> <ul style="list-style-type: none"><li>• Service bulletins,</li><li>• Structural repair manuals,</li><li>• Vendor manuals,</li><li>• Aircraft flight manuals, and</li><li>• Overhaul and maintenance manuals.</li></ul> <p>The FAA accepts such documents and considers them FAA-approved unless one of the following conditions exists:</p> <ul style="list-style-type: none"><li>• The documents change the limitations, performance, or procedures of the FAA approved manuals; or</li></ul>

•The documents make an acoustical or emissions changes to this product's U.S. type certificate as defined in 14 CFR § 21.93.

Service Information  
FAA (continued)  
type

The FAA uses the post type validation procedures to approve these documents. The may delegate on case-by-case to EASA to approve on behalf of the FAA for the U.S. certificate. If this is the case it will be noted on the document.

- NOTE 1. Current weight and balance report together with list of equipment included in certificated empty weight, and loading instructions when necessary, must be provided for each airship at time of original certification. The certificated empty weight includes unusable fluids.
- NOTE 2. All placards required in the Airship Flight Manual and Maintenance Manual must be installed in the appropriate locations.
- NOTE 3. Maintenance and Inspection of this airship must be carried out according to Airship Maintenance Manual, Document Number 07 ML 05 200, Revision D-01 dated March 25, 2003, or later FAA accepted revision, including supplements applicable to installed Options.
- NOTE 4. This airship is type certificated in the Normal category for airships in the United States, but is approved to carry up to 13 passengers.
- NOTE 5. Options listed in ZLT Document 07 TD 01 131 dated May 15, 2008 are FAA approved as noted in this document. Later options will be approved according to the FAA-EASA agreements for type design changes.
- NOTE 6. Option B20, smaller aft ballonnet, is approved for US registered airships.
- NOTE 7. Options P32, ballast station aft engine nacelle, and Option P20, aft undercarriage ballast box, are approved for US registered airships.

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