

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

A12WE Revision 4 EAGLE (SEMCO) 30-AL February 26, 1998
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TYPE CERTIFICATE DATA SHEET NO. A12WE

This data sheet, which is part of Type Certificate No. A12WE, prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Type Certificate Holder: Eagle Balloons Corp.  
4561 Prime Parkway  
McHenry, IL 60050

I - Model 30-AL, 1 Place Hot Air Balloon, Approved June 29, 1967

Air Heaters	SEMCO Heater No. 3
Fuel	Commercial LPG
Maximum Weight	481 lbs. (this weight includes the canopy weight but excludes the weight of the lifting hot air).
Maximum Allowable Envelope Temperature	250°F.
Serial Nos. Eligible	SEM C1, SEM C2, SEM 11 and up.
Certification Basis	Part 31 of the Federal Aviation Regulations dated July 1, 1964, as amended by 31-1 and 31-2. Application for Type Certificate dated September 29, 1965. Type Certificate No. A12WE issued June 29, 1967.
Production Basis	None. Prior to original certification of each aircraft, an FAA representative must perform a detailed inspection for workmanship, materials, conformity with the approved technical data, and a check of the flight characteristics.
Export Eligibility	Aircraft will be eligible for issuance of an Export Certificate of Airworthiness subject to compliance with Federal Aviation Regulation Part 21, Subpart L, Sections 21.321 thru 21.339. The applicable procedures are contained in Advisory Circular 21-2.
Equipment	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification.  In addition to the above required equipment, the following equipment is also required:  Lighter - Torch Flint Sparker. Drag Rope - Minimum Diameter - 1/2 inch Minimum Length - 200 feet FAA Approved Balloon Flight Manual approved June 29, 1967, or later approved revision.

NOTE 1. Envelope maintenance check: Envelope material strength is adequate if material withstands without tearing or yielding, fifty-pounds tension uniformly distributed one inch crosswise to, and applied in the direction of, the weave. The envelope should be tested in several areas, with particular attention to the upper portion which is subject to higher operating temperatures.

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