

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

A13WE
Revision 5
EAGLE
(SEMCO)
TC-4
TC-4A
February 26, 1998

TYPE CERTIFICATE DATA SHEET NO. A13WE

This data sheet, which is part of Type Certificate No. A13WE, 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 TC-4, 4 Place Hot Air Balloon, Approved July 21, 1967

Air Heaters 2 - Semco Heater #3
Fuel Commercial LPG
Maximum Weight 1123 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 12 and subsequent.

II - Model TC-4A, 4 Place Hot Air Balloon, Approved April 19, 1973

Air Heater 3 - Semco Heaters
Fuel Commercial LPG
Maximum Weight 1142 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 81 and subsequent

Data Pertinent to All Models

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 February 21, 1967. Type Certificate No. A13WE issued July 21, 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.

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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:

On Model TC-4:

Lighter - Torch Flint Sparker.

Protective headgear for pilot.

Valve cover boxes (2) Semco Drawing Number 4-7

Drag Rope - Minimum Diameter - 1/2 inch

Minimum Length - 200 feet

FAA Approved Balloon Flight Manual approved July 21, 1967, or later approved revision.

On Model TC-4A:

Lighter - Torch Flint Sparker.

Protective headgear for pilot.

Drag Rope - Minimum Diameter - 1/2 inch

Minimum Length - 200 feet

FAA Approved Balloon Flight Manual approved April 19, 1973, 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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