

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

A18WE
Revision 7
GALAXY BALLOON
(PICCARD)
AX-6
April 1, 1986

TYPE CERTIFICATE DATA SHEET NO. A18WE

This data sheet, which is a part of Type Certificate No. A18WE, 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 Galaxy Balloons, Inc.
820 Salisbury Raod, P.O. Box 827
Statesville, North Carolina 28677

I. - Model AX-6, (LeMans) 3-place manned free balloon, approved August 2, 1968

Airborne Heaters	Piccard Burner Model No. 5030, 5040, 5041
Fuel	LPG Commercial Mix NGPA Spec. 2140-66 or later
Maximum Weight	1210 pounds (This weight includes the envelope weight.)
Maximum Allowable Envelope Temperature	250°F
Minimum Crew	1 pilot
Fuel Capacity	One two, three or four ten-gallon Lee steel LPG cylinders, Model TR40SX-14. Approved alternates are: (1) 8.5 gallon Worthington 33.5 lb. aluminum LPG cylinders, Model 3757-U4-56; (2) ten-gallon Worthington 43.5 lb. aluminum LPG cylinders, Model 4100 -U4-15; and (3) ten-gallon Manchester 43 lb. steel LPG cylinder Model FL-519.
Serial Nos. Eligible	29,101 and subsequent (SEE NOTE 5)
Certification Basis	FAR 31, effective July 1, 1964, Amendments 31-1, and 31-2, FAR 21 and FAR 1
Production Basis	None. Prior to original certification of each aircraft manufactured after April 15, 1983, an FAA representative must perform a detailed inspection for workmanship, materials and conformity with the approved technical data, and a check of the flight characteristics.
Export Eligibility	Balloon 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 through 21.339.

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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. This includes:

1. FAA Approved Balloon Flight Manual dated April 5, 1984, or later FAA approved revisions.
2. FAA Approved Equipment List Number 6001 dated December 22, 1978, or later FAA approved revisions.

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

NOTE 2. Reserved.

NOTE 3. Reserved.

NOTE 4. Envelope Maintenance Check: Envelope material strength is adequate if the material withstands, without tearing or yielding, forty pounds tension uniformly distributed along one inch 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 and more ultraviolet exposure.

NOTE 5. Don Piccard Balloons, Inc., has manufactured balloons with the following serial number sequences:

6 and 29
101 - 423
601 - 799
1001 and subsequent

General Balloon Corporation has manufactured the following serial numbers:

424 - 599
802 - 999

...END...