



C.G. Range	See FAA approved Flight Manual
Datum	Theoretical bow of the envelope. The theoretical bow is 20 in. aft of the nose mooring probe. All station measurements are shown in inches. Car datum is airship station 659.0.
Maximum Weights	Maximum airship takeoff and landing weight 8,900 lbs. Maximum car weight 5,356 lbs. Maximum static heaviness 400 lbs. Maximum static lightness 200 lbs
Minimum Crew	1 Pilot.
No. of Seats	6 (2 @ car stat. 40.0, 2 @ car stat. 95.0, 2 @ car stat. 124.0)
Fuel Capacity	106.0 gal. (100.0 gal. usable)
Oil Capacity	12 qts. Maximum, 9 qrts. Minimum.
Maximum Operating Altitude	9000 ft.
Serial Numbers Eligible	001 and on.
Certifications Basis	FAR 21.17(b) effective March 13, 1987 Compliance with FAR 21.17(b) has been shown utilizing the provisions of Advisory Circular 21.17-1 dated September 30, 1987, section 5. The Airworthiness requirements met under this provision are the Airship Design Criteria (ADC), FAA P-8110-2, dated November 2, 1987, as amended by FAA letter dated January 10, 1989. Application for type certificate dated February 10, 1989. Type Certificate No. AS2NM issued July 24, 1990.
Production Basis	None. Prior to original certification of each aircraft, 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.
Equipment	The basic required equipment as prescribed in the applicable airworthiness regulation (see Certification Basis) must be installed in the aircraft for certification. In addition to the above required equipment, the following equipment is also required: FAA approved Airship Flight Manual, 1070003, original issue, dated July 20, 1990, or later FAA approved revision. SAIC Ground Handling Manual, 1070002, original issue, dated July 20, 1990 is to be made available to the operator's flight and ground crews.
Maintenance and Inspection	Maintenance and Inspection of this airship must be carried out according to SAIC Maintenance Manual 1070004, original issue, or later FAA approved revision.
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 aircraft at the time of original certification. The certification empty weight must include unusable fuel of 36.0 lbs. at car stat. 170.0.
NOTE 2.	All placards required in the approved flight manual must be installed in the appropriate locations.
NOTE 3.	Reserved

NOTE 4. AVCO Lycoming Engine Data Sheet No. 1E4, dated March 29, 1990, provides information on the fuel pressure limitations.

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