

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

A4NM
Revision 2
AVIAN
MAGNUM IX and TURBO 8
March 3, 1995

TYPE CERTIFICATE DATA SHEET NO. A4NM

This data sheet which is a part of type certificate No. A4NM 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 AVIAN BALLOON COMPANY
Building 101
Spokane Industrial Park
Spokane, Washington 99216

I - Model Magnum IX 8-place Hot Air Balloon, approved June 7, 1983

Air Heater	Avian Burner Assembly, Dwg 78-3200, 79-3200
Gondola	Avian Basket, Dwg 78-1200 or 78-1250 or 79-1200
Envelope	Avian Envelope Dwg 78-5510 or 78-5500 or 78-5500C
Fuel	LPG (See FAA Approved Balloon Flight Manual for required additives instruction.)
Maximum Weight	Gross weight limited to 2500 lbs. or the weight requiring a maximum continuous envelope temperature of 250°F, whichever is less. See FAA Approved Balloon Flight Manual. (Weight includes the envelope weight.)
Maximum Allowable Envelope Temperature	250°F
Fuel Capacity	Four (4) 10 gal. (at 80% fill) or six (6) 10 gal. (at 80% fill) or Four (4) 5 gal. (at 85% fill) See Note 4.
Serial Numbers Eligible	1 and on

II - Model Turbo 8 6-place Hot Air Balloon, approved March 28, 1984

Air Heater	Avian Burner Assembly, Dwg 78-32, 793200
Gondola	Avian Basket, Dwg 79-1200
Envelope	Avian Envelope Dwg 79-5510 Dwg. 79-5500
Fuel	LPG (See FAA Approved Balloon Flight Manual for required additives instruction.)
Maximum Weight	Gross weight limited to 1800 lbs. or the weight requiring a maximum continuous envelope temperature of 250°F, whichever is less. See FAA Approved Balloon Flight Manual. (Weight includes the envelope weight.)
Maximum Allowable Envelope Temperature	250°F
Fuel Capacity	Four (4) 10 gal. (at 80% fill) or Four (4) 15 gal. (at 85% fill). See Note 4.
Serial Numbers Eligible	1 and on

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Data Pertinent to All Models

Certification Basis	FAR 31, effective July 1, 1964, including Amendments 31-1 through 31-4.
Production Basis	APIS in accordance with FAR 21, Subpart F.
Equipment	The basic required equipment as prescribed in the applicable airworthiness regulations (See Certification Basis) must be installed in the aircraft for certification. Additional required items of equipment are listed in the FAA Approved Avian Balloon Flight Manual.

NOTE 1 Reserved

NOTE 2 This balloon must be operated according to the FAA approved Balloon Flight Manual. The envelope temperature indicator must be placarded to indicate the maximum allowable envelope temperature. All placards required in the approved balloon flight manual must be installed in the appropriate locations.

NOTE 3 Every 100 flight hours or annually, whichever occurs first, the inspections specified in the FAA approved Airworthiness Limitations (Section 10 of the Instructions for Continued Airworthiness for the Magnum IX and Section 10 of the Instructions for Continued Airworthiness for the Turbo 8) must be accomplished.

NOTE 4 Magnum IX: Avian's 15 gal. Tank Installation Manual, Number 90-11-1; Master Drawing List No. 78 Revision G, 11-15-92; Drawing series 78-6600; Drawing Series 80-6600; and Avian's Balloon Flight Manual Supplement for 15 gal. tank, Installation Number 90-1, allow APN 661 and APN 662 to be used in place of existing fuel system.

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