

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

B00010CH
Revision 6
LINDSTRAND USA
(KEMPNER)
42A 180A
56A 210A
56X 210S
60A 240A
60X 260A
69A 310A
69X 69B
77A 77B
90A 90B
105A 105B
120A CAN-90
150A LBL BOX
SPHERE-105
April 30, 2008

TYPE CERTIFICATE DATA SHEET NO. B00010CH

This data sheet, which is part of Type Certificate No. B00010CH, 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:	Lindstrand Balloons USA, Inc. 11440 Dandar Street Galena, IL 61036
Type Certificate Holder Record:	Elisabeth A. Kempner transferred TC B00010CH to Lindstrand Balloons USA, Inc. on April 30, 2008

I - Model 42A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 42,000 cu.ft., drawing EA-042-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-004-A-001, BA-005-A-001, BA-006-A-001, and BA-009-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	924 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

II - Model 56A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 56,000 cu.ft, drawing EA-056-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.

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Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, and BA-009-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1232 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

III - Model 60A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 60,000 cu.ft., drawing EA-060-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, and BA-009-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1320 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

IV - Model 69A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 69,000 cu.ft., drawing EA-069-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, and BA-009-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1518 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F.

3. Maximum continuous: 257°F.

Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

V - Model 77A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 77,000 cu.ft., drawing EA-077-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, BA-008-A-001, and BA-009-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1694 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

VI - Model 90A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 90,000 cu.ft., drawing EA-090-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, BA-008-A-001, BA-009-A-001, BA-011-A-001, BA-011-A-002, and BA-012-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1980 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

VII - Model 105A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 105,000 cu.ft., drawing EA-105-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-006-A-001, BA-007-A-001, BA-008-A-001, BA-010-A-001, BA-011-A-001, BA-011-A-002, and BA-012-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	2310 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

VIII - Model 120A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 120,000 cu.ft., drawing EA-120-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Double Burner, drawing BU-002-A-001. Triple Burner, drawing BU-004-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002. Triple Burner, drawings BU-010-A-001, BU-010-A-002, and BU-010-A-003. Quad Burner, drawings BU-012-A-001, BU-012-A-002, and BU-012-A-003.
Baskets	Lindstrand Baskets to drawings BA-003-A-001, BA-003-A-002, BA-008-A-001, BA-010-A-001, BA-011-A-001, BA-011-A-002, BA-012-A-001, BA-013-A-001, BA-014-A-001, BA-015-A-001, BA-034-A-001, BA-035-A-001, and BA-040-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	2640 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

IX - Model 150A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 150,000 cu.ft., drawing EA-150-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Double Burner, drawing BU-002-A-001. Triple Burner, drawing BU-004-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002. Triple Burner, drawings BU-010-A-001, BU-010-A-002, and BU-010-A-003. Quad Burner, drawings BU-012-A-001, BU-012-A-002, and BU-012-A-003.
Baskets	Lindstrand Baskets to drawings BA-011-A-001, BA-011-A-002, BA-012-A-001, BA-013-A-001, BA-014-A-001, BA-015-A-001, BA-020-A-001, BA-031-A-001, BA-034-A-001, BA-035-A-001, and BA-040-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	3190 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

X - Model 180A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 180,000 cu.ft., drawing EA-180-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Double Burner, drawing BU-002-A-001. Triple Burner, drawing BU-004-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawing BU-008-A-001, BU-008-A-002. Triple Burner, drawings BU-010-A-001, BU-010-A-002, and BU-010-A-003. Quad Burner, drawings BU-012-A-001, BU-012-A-002, and BU-012-A-003.
Baskets	Lindstrand Baskets to drawings BA-013-A-001, BA-014-A-001, BA-015-A-001, BA-020-A-001, BA-021-A-001, BA-022-A-001, BA-023-A-001, BA-024-A-001, BA-025-A-001, BA-028-A-001, BA-030-A-001, BA-031-A-001, BA-032-A-001, BA-033-A-001, BA-034-A-001, BA-035-A-001, BA-036-A-001, BA-037-A-001, BA-038-A-001, and BA-040-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	3586 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

XI - Model 210A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 210,000 cu.ft., drawing EA-210-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Double Burner, drawing BU-002-A-001. Triple Burner, drawing BU-004-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawing BU-008-A-001, BU-008-A-002. Triple Burner, drawings BU-010-A-001, BU-010-A-002, and BU-010-A-003. Quad Burner, drawings BU-012-A-001, BU-012-A-002, and BU-012-A-003.
Baskets	Lindstrand Baskets to drawings BA-015-A-001, BA-020-A-001, BA-021-A-001, BA-022-A-001, BA-023-A-001, BA-024-A-001, BA-025-A-001, BA-026-A-001, BA-028-A-001, BA-030-A-001, BA-031-A-001, BA-032-A-001, BA-033-A-001, BA-034-A-001, BA-035-A-001, BA-036-A-001, BA-037-A-001, BA-038-A-001, and BA-040-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	4180 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

XII - Model 240A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 240,000 cu.ft., drawing EA-240-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Triple Burner, drawing BU-004-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Triple Burner, drawings BU-010-A-001, BU-010-A-002, and BU-010-A-003. Quad Burner, drawings BU-012-A-001, BU-012-A-002, and BU-012-A-003.
Baskets	Lindstrand Baskets to drawings BA-021-A-001, BA-022-A-001, BA-023-A-001, BA-024-A-001, BA-025-A-001, BA-026-A-001, BA-028-A-001, BA-030-A-001, BA-031-A-001, BA-032-A-001, BA-033-A-001, BA-034-A-001, BA-035-A-001, BA-036-A-001, and BA-037-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	4268 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

XIII - Model 260A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 260,000 cu.ft., drawing EA-260-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Triple Burner, drawing BU-004-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Triple Burner, drawings BU-010-A-001, BU-010-A-002, and BU-010-A-003. Quad Burner, drawings BU-012-A-001, BU-012-A-002, and BU-012-A-003.
Baskets	Lindstrand Baskets to drawings BA-022-A-001, BA-023-A-001, BA-024-A-001, BA-025-A-001, BA-026-A-001, BA-028-A-001, BA-030-A-001, BA-031-A-001, BA-032-A-001, BA-033-A-001, BA-036-A-001, and BA-037-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	4994 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

XIV - Model 310A, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 310,000 cu.ft., drawing EA-310-A-001.
Air Heaters	Lindstrand Jetstream Series 2 Burner Assembly: Triple Burner, drawings BU-010-A-001, BU-010-A-002, and BU-010-A-003. Quad Burner, drawings BU-012-A-001, BU-012-A-002, and BU-012-A-003.
Baskets	Lindstrand Baskets to drawings BA-022-A-001, BA-024-A-001, BA-025-A-001, BA-026-A-001, BA-027-A-001, BA-028-A-001, BA-030-A-001, BA-031-A-001, BA-032-A-001, BA-033-A-001, BA-036-A-001, and BA-037-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	5940 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

XV - Model 69B, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 69,000 cu.ft., drawing EB-069-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.

Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, and BA-009-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1518 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

XVI - Model 77B, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 77,000 cu.ft., drawing EB-077-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, BA-008-A-001, and BA-009-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1694 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

XVII - Model 90B, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 90,000 cu.ft., drawing EB-090-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, BA-008-A-001, BA-009-A-001, BA-011-A-001, and BA-012-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1989 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.

Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

XVIII - Model 105B, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 105,000 cu.ft., drawing EB-105-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-006-A-001, BA-007-A-001, BA-008-A-001, BA-010-A-001, BA-011-A-001, and BA-012-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	2310 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

XIX - Model CAN-90, Hot Air Balloon, Approved December 20, 1999

Envelope	Volume: 90,000 cu.ft., drawing SS-009-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, BA-008-A-001, BA-009-A-001, BA-011-A-001, BA-011-A-002, and BA-012-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1980 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.

Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5135 and up.

XX - Model SPHERE-105, Hot Air Balloon, Approved May 8, 2001

Envelope	Volume: 105,000 cu.ft., drawing SS-023-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-003-A-001, BA-003-A-002, BA-006-A-001, BA-007-A-001, BA-008-A-001, BA-010-A-001, BA-011-A-001, and BA-011-A-002.
Fuel	Commercial LPG or Propane.
Maximum Weight	2310 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5167 and up.

XXI - Model 210S, Hot Air Balloon, Approved August 30, 2000

Envelope	Volume: 210,000 cu.ft., drawing ES-210-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Double Burner, drawing BU-002-A-001. Triple Burner, drawing BU-004-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawing BU-008-A-001, BU-008-A-002. Triple Burner, drawings BU-010-A-001, BU-010-A-002, and BU-010-A-003. Quad Burner, drawings BU-012-A-001, BU-012-A-002, and BU-012-A-003.
Baskets	Lindstrand Baskets to drawings BA-015-A-001, BA-020-A-001, BA-021-A-001, BA-022-A-001, BA-023-A-001, BA-024-A-001, BA-025-A-001, BA-026-A-001, BA-028-A-001, BA-030-A-001, BA-031-A-001, BA-032-A-001, BA-033-A-001, BA-034-A-001, BA-035-A-001, BA-036-A-001, BA-037-A-001, BA-038-A-001, and BA-040-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	4180 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5211 and up.

XXII - Model 60X, Hot Air Balloon, Approved June 11, 2003

Envelope	Volume: 60,000 cu.ft., drawing EX-60-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, and BA-009-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1320 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5233 and up.

XXIII - Model 56X, Hot Air Balloon, Approved September 30, 2004

Envelope	Volume: 56,000 cu.ft., drawing EX-56-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.
Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, and BA-009-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1232 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5281 and up.

XXIV - Model 69X, Hot Air Balloon, Approved September 30, 2004

Envelope	Volume: 69,000 cu.ft., drawing EX-69-A-001.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Super Single Burner, drawing BU-007-A-001. Double Burner, drawing BU-002-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002.

Baskets	Lindstrand Baskets to drawings BA-001-A-001, BA-002-A-001, BA-002-A-002, BA-003-A-001, BA-003-A-002, BA-005-A-001, BA-006-A-001, BA-007-A-001, and BA-009-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	1518 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5281 and up.

XXV - Model LBL BOX, Hot Air Balloon, Approved July 18, 2006

Envelope	Volume: 120,000 cu.ft., drawing SS-029-A-010.
Air Heaters	Lindstrand Jetstream Series 1 Burner Assembly: Double Burner, drawing BU-002-A-001. Triple Burner, drawing BU-004-A-001. Lindstrand Jetstream Series 2 Burner Assembly: Double Burner, drawings BU-008-A-001 and BU-008-A-002. Triple Burner, drawings BU-010-A-001, BU-010-A-002, and BU-010-A-003. Quad Burner, drawings BU-012-A-001, BU-012-A-002, and BU-012-A-003.
Baskets	Lindstrand Baskets to drawings BA-003-A-001, BA-003-A-002, BA-007-A-001, BA-008-A-001, BA-010-A-001, BA-011-A-001, BA-011-A-002, BA-012-A-001, BA-013-A-001, BA-014-A-001, BA-015-A-001, BA-034-A-001, BA-035-A-001, and BA-040-A-001.
Fuel	Commercial LPG or Propane.
Maximum Weight	2640 lbs, or to the weight requiring a maximum continuous envelope temperature of 257°F, whichever is less. See approved Balloon Flight Manual.
Allowable Envelope Temperature	1. Never exceed: 275°F. 2. For no longer than 10 minutes continuous or 10 minutes per 2 hours of flight: 257°F. to 275°F. 3. Maximum continuous: 257°F.
Minimum Crew	One (1) Pilot.
Fuel Capacity	Two standard cylinders must be present (see also NOTE 6).
Serial Nos. Eligible	5300 and up.

Data Pertinent to All Models

Certification Basis	Part 31 of the Federal Aviation Regulations dated July 1, 1964, as amended by 31-1 through 31-6. Application for Type Certificate dated April 24, 1996. Type Certificate No. B00010CH issued December 20, 1999.
Production Basis	A.R.B.C., Inc. dba Lindstrand Balloons USA Production Certificate No. 336CE, all serial numbers.
Equipment	In addition to the basic equipment required by the Certification Basis, the following equipment is also required: <ol style="list-style-type: none"> (1) Fire extinguisher rated at least 1A:10BC (2) Two sources of ignition (striker, matches or equivalent). (3) Leather gloves or equivalent for the pilot. (4) FAA Approved Balloon Flight Manual dated December 20, 1999 or later approved revision.

Maintenance and
Inspection

Maintenance and Inspection of this Aircraft must be carried out according to the most recent publication of the Lindstrand Balloons USA Instructions for Continued Airworthiness (original date of issuance: November 20, 1998).

NOTE 1. Reserved.

NOTE 2. Reserved.

NOTE 3. Reserved.

NOTE 4. Each hot air balloon envelope must have an individual registration number. An individual envelope is eligible for a Standard Airworthiness Certificate when mated with any approved combination of basket and burner assembly. Change to an eligible combination must be endorsed by logbook entry by the Pilot-in-Command or by a FAA Certificated Repairman.

NOTE 5. For the purpose of maintenance and inspection, operation records (logbooks) must be maintained with each hot air balloon envelope. If burner, basket, instruments, and/or tanks are interchanged, separate logbooks must be maintained for each component or group of components which are always used together. The Flight Manual must be presented to an FAA Certificated Repair Station during annual inspections for verification of components being inspected.

NOTE 6. The approved types of fuel cylinders for all models are as follows:

<u>Fuel Tank</u>	<u>Type</u>	<u>Capacity</u>	<u>Part No.</u>
V20	Vertical	10 gallons to 80% fill	CY-020-A-001
V30	Vertical	15 gallons to 80% fill	CY-030-A-001
V40	Vertical	21 gallons to 80% fill	CY-040-A-001
Worthington	Vertical	10 gallons to 80% fill	CY-010-A-001
T30	Vertical	12.9 gallons to 80% fill	CY-050-A-001

NOTE 7. Due to a large degree of similarity of design, certain baskets, burners and fuel cylinders manufactured by either Cameron Balloons or Thunder & Colt, may be used in conjunction with a Lindstrand Balloons USA manufactured envelope, subject to the limitations given in Section 4 of the approved Lindstrand Balloons USA Flight Manual.

NOTE 8. The following instruments may be used with all hot air balloon models, as specified on this Type Certificate Data Sheet:

Flytec 3020
 Flytec 3040
 Ball 502
 Ball 655
 Ball M55
 Alibi Piccolo ACT 5000
 Alibi Piccolo ACT 8000
 United Instruments 10-04550
 United Instruments 10-05200

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