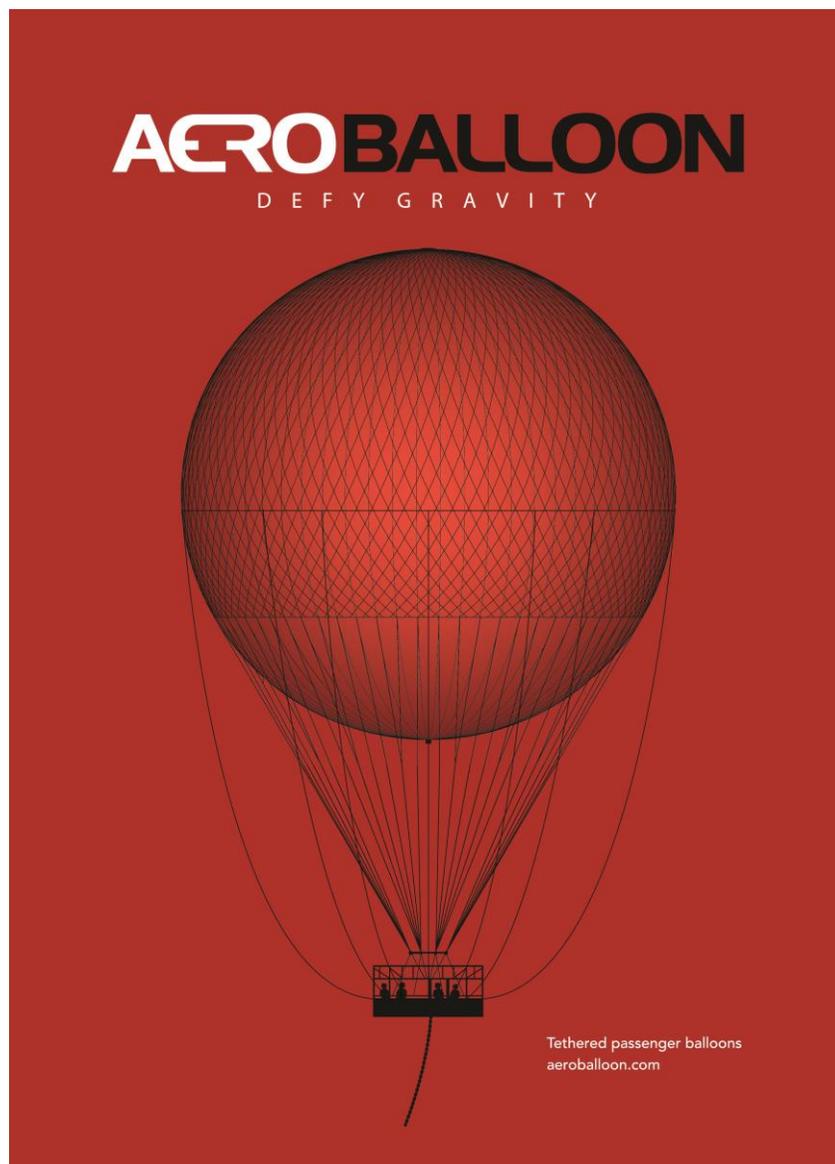


## Technology Leader in Tethered Helium Balloons





# AB-40

World Record Size

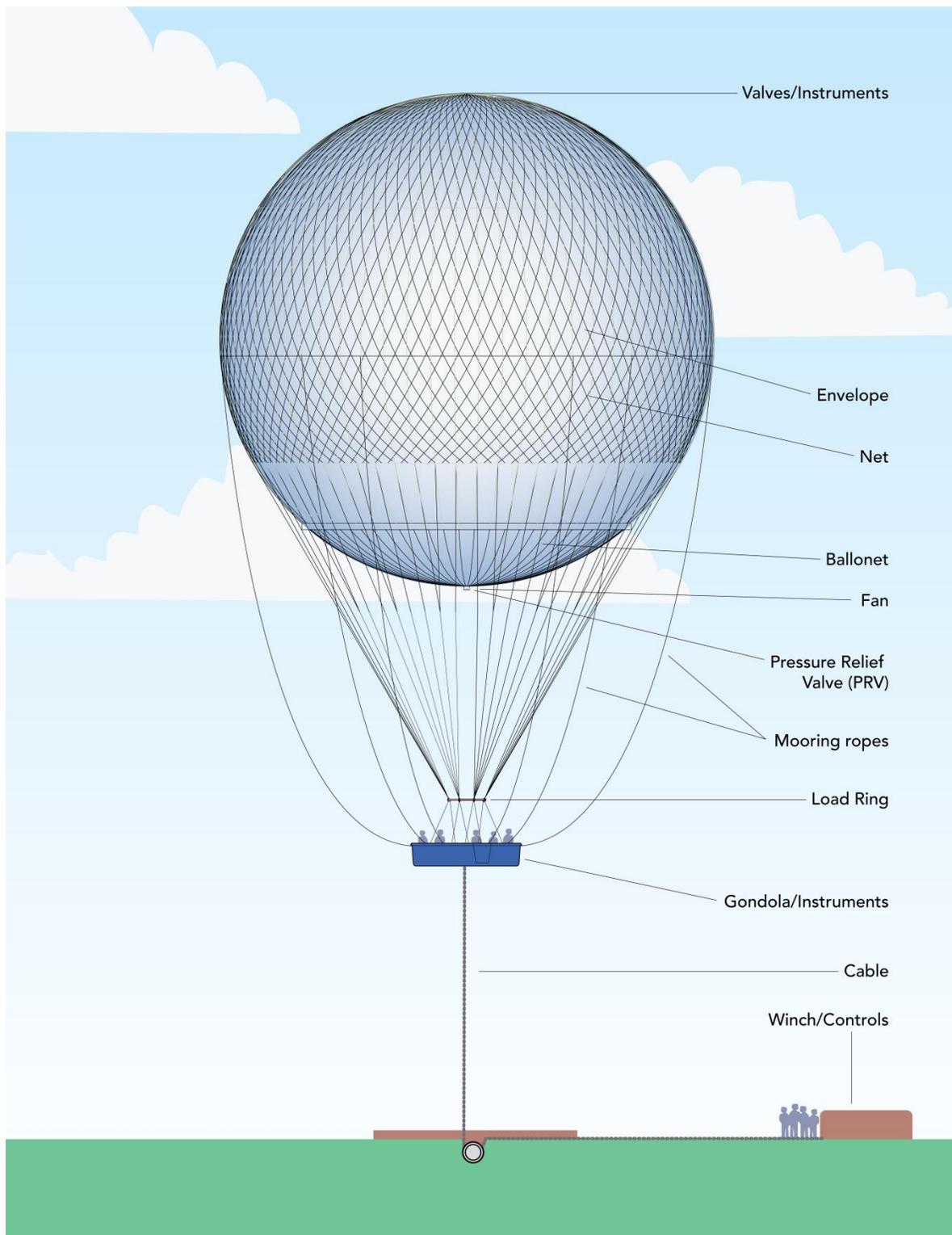
Forty-Passenger Tethered Balloon System

## Introduction

AeroBalloon USA, Inc. is foremost, a safety company. Safer, Stronger, Simpler is our modus operandi. AeroBalloons are the result of over 40 years of experience with airship technology and Kevlar composite molding and manufacturing. AeroBalloons are designed to remain captive, or tethered, at all times. Once inflated, the balloon remains permanently inflated throughout its intended year-round or seasonal use. The entire operation is silent and non-polluting. AeroBalloon is certified as a passenger-carrying amusement ride for use worldwide. AeroBalloons have flown worldwide and in the Worlds' most famous City Parks via partnerships with numerous U.S. cities including New York City, Boston, San Francisco, Chicago, Houston, Miami, Atlanta, and Dallas. Our engineering team's wide and varying knowledge consists of designing airships, aerostats, racing yachts, bridges, hot-air balloons, ultralight aircraft, and of course AeroBalloon systems. AeroBalloons are built here in the USA and may be shipped anywhere in the world. AeroBalloon's specialized high strength, low helium porosity, translucent airship fabric can glow by night via our internal lighting system. Further, our airship fabric meets all worldwide flame/fire retardant specifications: B1/DIN 4102 NFPA 701 - UNE 23727 90 - SN 1988 98 BS 7837 - CSFM - SIS 650082 NFP 92.503



## AB-40 Description and Technical Specifications





## **ENVELOPE**

Volume: 6,600 cubic meters  
Circumference: 72.5 m  
Diameter: 23.1 m  
Standing height in high-moor position: 37 m

## **SUSPENSION NET**

Strength: 186 Tonnes  
UV protective coatings  
Abrasion resistant coatings  
High strength low stretch long life

## **PRIMARY WINCH SYSTEM**

Pulling power: 6.41 Tonnes  
Speed: 43 meters per minute in both directions up/down  
Redundant recovery motor and gearing system

## **TETHER CABLE**

50 Tonne rotation resistant, high tensile, grease impregnated  
Cable length: 160m standard  
Weight: 298 kg at full elevation

## **LOW-MOOR WINCH SYSTEM**

Electric winches, with combined pulling power of 12 Tonnes

## **GONDOLA**

Capacity up to 40 persons  
Built of moulded composites, GRP and structural honeycomb Kevlar  
Diameter: 5.7 m  
Weight: 420 kg  
Safety belts included

## **Envelope & Net**





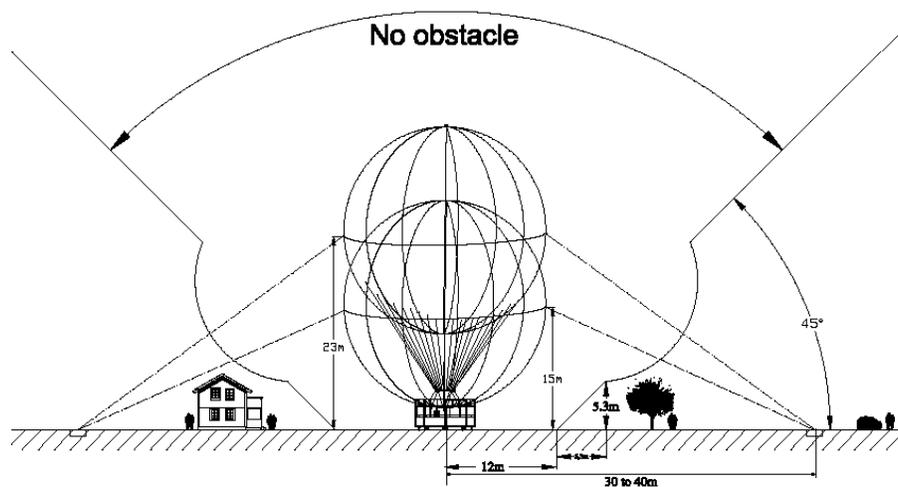
### Training and Installation Support

Training takes place at the customer's balloon site. It begins during assembly of the balloon and continues through inflation, commissioning, and one week of nonstop operations while the balloon is open for business. Training consists of structured and hands-on instruction to provide operators with the knowledge and confidence to operate the AB-40 system. Our instructors will insure that each operator student meets rigorous standards of operational safety. In addition to the operator training, we share our experience in the day-to-day operation of the balloon with the rest of the crew. AeroBalloon works hand-in-hand with our customers to help develop a balloon site plan. Our engineers work with you in order to fully prepare your site in advance of the scheduled inflation date. Our staff will also provide the necessary commissioning and testing of the system so that you can open for business the day after commissioning under our supervision.

### Warranty and Service

AeroBalloon is dedicated to providing world-class service and support. We pride ourselves in our materials and workmanship and provide a 1-year warranty after commissioning. Our technicians and engineers are available for service and support calls either over the phone or in person, subject to travel and expenses. The AeroBalloon AB-40 system represents a reliable system designed for long life and as such, requires very little maintenance or repairs. Daily and monthly inspections ensure the safety and longevity of the system.

## AB-40 Balloon Site Space Requirements



### AB-40 Price

Complete AeroBalloon AB-40 System - Please inquire  
Price includes all AeroBalloon engineer services required to assemble, inflate, commission the balloon at customer's location.