



ATLAS 135/810_6.800 — NUCLEAR EDITION

Technical Datasheet & Strategic Applications

ETERNAUS Airship Division

(International aerospace standard tone — Sovereign & Executive Edition)

INTRODUCTION — The Apex of Atmospheric Megastructure Engineering

The ETERNAUS Airship Division designs atmospheric megastructures that merge aerospace precision, sovereign-level capability, and ultra-luxury hospitality. Created for national airlines, sovereign wealth funds, global logistics operators, and high-net-worth private clients, the **Atlas Nuclear Edition** stands as the most powerful and versatile airborne system ever engineered.

Developed under international aerospace standards, the Atlas integrates **nuclear-assisted endurance**, **hydrogen buoyancy**, and **monumental structural volume** to deliver a new class of aerial mobility: silent, emission-free, runway-independent, and capable of transporting thousands of passengers or thousands of tons of cargo across continents, oceans, and remote territories.

More than an aircraft, the Atlas is a **mobile economic ecosystem** — a flying city, a logistics corridor, a luxury resort, a defense platform, and a territorial transformation tool. It operates where conventional aviation, maritime transport, and ground infrastructure cannot.

This Technical Datasheet provides the engineering specifications and operational parameters required by aerospace authorities and engineering teams — while presenting the strategic applications valued by CEOs, sovereign clients, and global investors.

1. Basic Dimensions

- **Overall Length:** 810 m
- **Maximum Diameter:** 135 m
- **Maximum Cross-Section:** 14,314 m²
- **External Surface Area:** 275,345 m²
- **Displaced Volume:** 7,990,000 m³
- **Maximum Thrust:** 10,307,000 kg

2. Structural Information

- **Material:** ALLOY 2090-T83 aerospace-grade sheet



- **Plate Thickness:** 1.8 mm
- **Specific Density:** 4.7 kg/m²
- **Tensile Strength:** 70 kg/mm²
- **Allowable Stress:** 21 kg/mm²
- **Transverse Prestressing:** 14 kg/mm²
- **Longitudinal Prestressing:** 7.0 kg/mm²
- **Operating Pressure:** 350 mmca
- **Maximum Allowable Pressure:** 560 mmca
- **External Compression Resistance:** 350 kg/m²

3. Operational Performance

- **Operating Speed Limit:** 180 km/h
- **Superstructure Weight:** 1,400,000 kg
- **Accessories Weight:** 600,000 kg
- **Gas Weight:** 800,000 kg
- **Fuel Weight (Nuclear System):** 7,000 kg
- **Payload Capacity:** 7,500,000 kg
- **Total Operating Weight:** 2,807,000 kg
- **Displacement Factor:** $0.4720 \times \text{vel}^3$ (m/s)

Range by Speed

- **70 km/h — 3,450 HP:** 4,000,000 km (infinite with solar energy)
- **100 km/h — 10,000 HP:** 1,400,000 km
- **140 km/h — 27,000 HP:** 510,000 km
- **180 km/h — 59,000 HP:** 235,000 km
- **210 km/h — 95,000 HP:** 145,000 km



MAIN USES — ATLAS NUCLEAR

(Structured in 9 chapters — matching the Titan, but even more monumental)

The Atlas Nuclear Edition is the **largest airborne structure ever engineered**

A 14-deck flying continent capable of transporting **10,000 passengers, 7,500 tons of cargo**, or entire industrial complexes. It is designed for nations, sovereign fleets, and global operators seeking unmatched capability, prestige, and economic impact.

1. Global Passenger Transport & Airborne Cruises

The Atlas introduces the world's first **global airborne cruise**, with:

- Capacity for **10,000 guests**
- **2,500 double suites** and **5,000 cabins**
- 14 decks and up to **240,000 m²** of usable space
- “Around the World in 30 Days” expeditions (72,000 km)
- Destinations unreachable by ships or aircraft:
 - South Pole
 - Tropical canopies
 - Mountain ranges
 - Remote islands
 - Polar fjords

Revenue potential: US\$ 120 million per voyage — US\$ 1.2 billion per year (10 expeditions).

The Atlas is not a cruise ship. **It is a flying continent.**

2. Winged Palaces & Sovereign Flying Residences

For sheikhs, royal families, and global leaders:

- Seven luxury decks with **4.9-meter ceilings**
- 119,000 m² dedicated exclusively to comfort and privacy
- Airborne palace, diplomatic center, or mobile government HQ
- Ideal for:



- Royal courts
- State delegations
- Ultra-premium events
- Strategic mobility for leadership

No other vehicle combines **luxury, mobility, and national prestige** at this scale.

3. Airborne Shopping Center & Global Retail Platform

The Atlas becomes the world's first **flying shopping center**, with:

- 119,000 m² of commercial space
- 4.9-meter ceilings
- Luxury boutiques, department stores, cinemas, arenas
- Food courts, themed restaurants, wellness centers
- Pop-up stores for global brands
- Cultural markets and exhibitions

It brings economic development to:

- Remote communities
- Small and midsize cities
- Islands
- Mountain regions
- Developing nations

For governments, it is a **catalyst of local development**. For brands, it is the **largest retail stage ever created**.

4. Hyper-Heavy Transport & Industrial Megalifting

With **7,500 tons** of payload, the Atlas transports:

- Giant wind turbines
- Complete industrial modules
- Mining platforms
- Preassembled structures
- Supermachines and oversized equipment



- Cargo for regions without infrastructure

It eliminates bottlenecks and creates **new logistical corridors**.

5. Territorial & Environmental Transformation

The Atlas can reshape entire regions:

- Transporting water, vegetation, and structural modules
- Converting deserts into oases
- Supporting reforestation and irrigation
- Expanding habitable areas
- Accelerating megainfrastructure projects

It can deliver perishable food to the poles and return with **6,000 tons of ice**, providing:

- Drinking water
- Natural cooling
- Climate stabilization for arid regions

6. Mining, Energy & Resource Operations

Ideal for nations and corporations:

- Transport of gold, silver, copper, nickel, lithium
- Delivery of mining modules to remote areas
- Support for offshore energy platforms
- Direct loading into ships at sea — no ports required

7. Disaster Response & Humanitarian Megatransport

The Atlas becomes a global emergency asset:

- Evacuation of thousands of people
- Delivery of massive quantities of food, water, and medical supplies
- Stabilization of disaster zones
- Support for global crises and humanitarian missions

8. Military & Strategic Applications

A sovereign-scale defense platform:



- Airborne aircraft carrier with **400-meter runway**
- Deployment of fighters and bombers
- Safe operations at 700–1,000 m altitude and 180 km/h against the wind
- Immune to airport vulnerabilities
- High-altitude rocket launch pad at **60,000 ft**

It becomes the **ultimate strategic asset** for national defense.

9. Commercial, Cultural & Entertainment Megastructures

The Atlas can host:

- Concerts
- Global expos
- Sporting events
- Cultural festivals
- Cinemas and arenas
- International fairs

It is a **mobile cultural capital**, capable of generating massive economic activity wherever it stabilizes.