



# ELVINOX ELEVATORS

INNOVATE. INTEGRATE. ELEVATE.

[WWW.ELVINOX.COM](http://WWW.ELVINOX.COM)



A man in a dark blue suit and a woman in a black business suit are standing in a modern elevator lobby. The man is on the left, facing right, and the woman is on the right, facing left. They appear to be in conversation. In the background, there is a set of elevator doors with a digital display above them showing the number '1'. The walls are made of dark, patterned marble, and the floor is a polished, reflective surface. The overall lighting is soft and professional.

# Welcome to Elvinox Elevators

# REDEFINING VERTICAL MOBILITY

Elvinox TERRA series redefines vertical transit by seamlessly integrating sophisticated design with intelligent engineering. The result is an experience characterized by unparalleled safety, whisper-quiet operation, exceptional smoothness, and smart connectivity. Forged in partnership with Advanced Lift Technologies, this union of European precision and local expertise delivers elevators that are the definitive benchmark in performance, security, safety and aesthetic appeal.

## OUR COMMITMENT

- **Quality Assurance:** state-of-the-art manufacturing and rigorous testing ensure long-term reliability and performance, certified to meet IS 17900 standards.
- **Proven Expertise:** Backed by promoters with 11 years of specialized experience in the elevator industry, ensuring deep domain knowledge and reliable solutions.
- **End-to-End Service:** From expert consultation and seamless installation to comprehensive annual maintenance contracts.
- **Rapid Response:** A guaranteed 180-minute response time with 24/7 emergency support for your peace of mind.



# TERRA

## Engineered for Excellence

### Control & Operation

- **Advanced Control System:** A multi-microprocessor, closed-loop control system ensures smooth and precise car movement with direct landing technology for optimal performance.
- **Operation Type:** Full Collective Selective operation for efficient response to passenger calls.
- **Gearless Traction Machine:** Features a frequency-controlled, Permanent Magnet Synchronous Motor (PMSM) for high efficiency, quiet operation, and reduced energy consumption.
- **Braking System:** Equipped with a dual vented disc brake system for reliable and robust stopping power.
- **Door Operator:** A Variable Voltage Variable Frequency (VVVF) door operator with closed-loop control ensures quiet, smooth, and reliable door opening and closing

### Passenger Comfort & Interface

- **Glide Ride Technology:** An intelligent curve generation system automatically adjusts the travel profile based on car load, providing a smooth "S-curve" journey.
- **Car Environment:** Features energy-efficient LED illumination and a Cross Flow Ventilation system for a bright and comfortable passenger environment.
- **User Interface:** Modern, integrated car operating panels and landing panels with clear audiovisual direction and floor indicators.
- **Call Management:** Destination calls can be easily canceled by double-pressing the selected floor button.
- **Integrated 3-Way Intercom:** Connects passengers to building security, Lobby and on-site service team.

## Safety & Protection Systems

- **Door Safety System:** A full-length infrared light curtain provides comprehensive protection for passengers during door operation.
- **Over-speed Protection:** An integrated safety system automatically halts the elevator motor and engages the car safety device if an over-speed condition is detected, preventing unintended movement.
- **Over-run Protection:** A triple-layer limit switch system provides redundant protection against over-travel in both the up and down directions.
- **Automatic Rescue Device (ARD):** In the event of a power failure, the system automatically moves the elevator to the nearest floor for safe passenger egress.
- **Phase Loss Protection:** The system is protected against damage from phase loss or imbalance in the 3-phase power supply.
- **Auto Power Management:** Ventilation and lighting systems feature an automatic on/off function to conserve energy.
- **Terminal Stopping Device:** A three-stage terminal limit system provides occupant protection against elevator over-travel.
- **Redundant Crimper Safety System:** This electromechanical device provides 100% passenger safety by activating twin locking jaws on the guide rails to arrest the car during an over-speed.
- **Solenoid Safety Actuator:** Our solenoid-controlled over-speed protector engages a failsafe braking system for ultimate passenger security.

## Power Requirements

- **Supply:** AC 415V, 3-Phase, 50Hz & AC 220V, 1-Phase, 50Hz.

## **TERRA**

**Gearless Elevator - MRL**



- **Machine-Room-Less Design:** Maximizes usable building space and reduces construction costs.
- **High-Speed PM-Servo Motor:** Ensures top-tier reliability, efficiency, and powerful performance.
- **Closed-Loop Drive Integration:** Delivers smoother acceleration and deceleration for superior ride comfort.
- **Eco-Standby Mode :** Dramatically cuts energy use by up to 80% during idle times, while remaining fully responsive for immediate operation the moment a call is registered.
- **Whisper-Quiet Operation:** Advanced modulation technology enables silent and efficient movement.
- **UCM Protection:** Instantly engages to mechanically lock the car during brake failure or rope snap, ensuring absolute passenger safety.



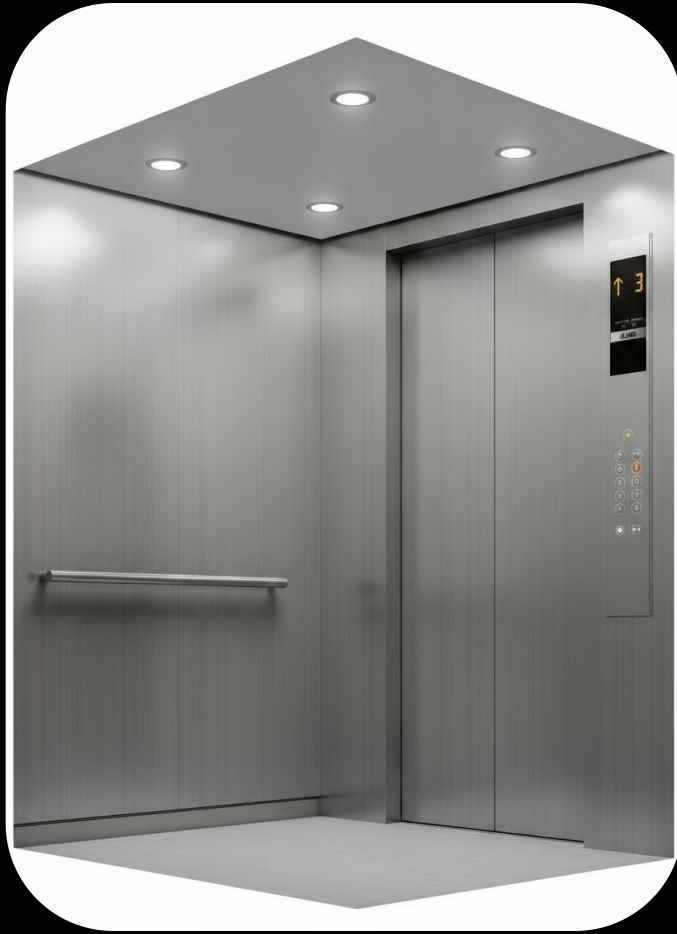
## Engineering Excellence



- **Direct Adaptive Landing Interface:** Eliminates creeping speed, creating a seamless S-curve ride profile.
- **Intelligent Control Mechanism:** A self-diagnosing controller that ensures direct and accurate landings.
- **IoT-Enhanced Micro controller:** A smart system that enables early fault detection for seamless, uninterrupted operation.
- **Ultra-Smooth Ride Technology:** sophisticated encoder provides exceptional motion control for a fluid, precise journey.
- **Reliability Enhancement Technology:** Surface-Mount Technology (SMT) ensures high performance, scalability, and industry-grade precision.

- **Aerospace-Grade Safety Circuit:** An FPGA chip provides the highest level of safety assurance, akin to aerospace standards.
- **Precision Leveling Engine:** Real-time RPM feedback ensures the car aligns perfectly with the floor every time.
- **Vibration Isolation System:** NASA-grade Sorbothane guide shoes effectively cancel noise and vibration.
- **Fluidic Door Operation:** Smart, VVVF - controlled doors open and close smoothly and effortlessly.
- **Infrared light curtain :** An advanced infrared safety net with crisscross beams instantly detects any obstruction at the door, ensuring a swift and safe response.
- **Continuous Lubrication Technology:** Automatic lubrication of moving parts guarantees peak performance and a consistently smooth ride.
- **Spatial Optimization:** Compact, efficient layout without compromising on interior cabin comfort.
- **Monomer Cast polyamide Transmission Sheave :** TERRA Series elevators are prefixed with monomer cast polyamide sheaves which reduce the noise levels due to friction & thereby increasing the life of ropes by upto 50%.





## TERRA INOX Series

*A harmonious blend  
of industrial strength  
and minimalist  
aesthetics.*

### KEY DESIGN ELEMENTS

#### **Stainless Steel Mirror Finish Rear Panel**

- A striking full-height mirror finish on the rear wall, enhancing spaciousness while adding a touch of luxury.
- Resistant to wear and corrosion, ensuring long-lasting elegance.

#### **Customizable Operation Panels**

- Option 1: Tactile Push Buttons – Ergonomically designed with premium finish for a responsive feel.
- Option 2: Sleek Touch Panels – Glass-interface technology with illuminated indicators for a futuristic appeal.

#### **Minimalist Interior Theme**

- Clean lines and uncluttered surfaces create an open, airy ambiance.
- Neutral tones with stainless steel accents to complement any architectural style.

#### **Durable Stainless Steel Framework**

- The entire cabin is constructed with 304 high-grade stainless steel, ensuring longevity and low maintenance.

# TERRA AURAM Series

*Elevating Spaces,  
Exceeding Expectations.*

Let us create a moving masterpiece that reflects your distinguished taste and elevates every journey into an experience of pure luxury.



## DESIGN HIGHLIGHTS

### Fully Customizable Interiors:

- Choose from a wide range of premium materials, colors, and finishes to match your décor.

### Personalized Color Schemes:

- From timeless neutrals to bold statement shades, create the perfect ambiance.

### Premium Material Options:

- Wood veneers, brushed metals, tempered glass, and luxury laminates—all crafted to perfection

## EXCLUSIVE FEATURES

### Silent Ascent Technology:

- Whisper-quiet operation ensuring a serene journey.

### Personalized Control Systems:

- Customizable touch interfaces in premium finishes with personalized user experiences.

### Tailored Layouts & Themes:

- Whether you prefer minimalist modern, classic elegance, or bespoke artistic designs, we bring your vision to life.





CAPACITY		CABIN SIZE		SHAFT SIZE		CLEAR OPENING	
PAX	LOAD - KG	WIDTH	DEPTH	WIDTH	DEPTH	WIDTH	HEIGHT
6	408	1100	1000	1550	1550	700	2000
8	544	1300	1100	1750	1550	800	2000
10	680	1350	1300	1800	1900	800	2000
13	884	1500	1400	2200	1900	900	2000
15	1020	1600	1500	1950	2525	1000	2000
20	1360	1800	1700	2500	2500	1000	2000



**PRECISION  
ENGINEERING**



**EXPERT SERVICE**



**IS 17900  
CERTIFIED**



**BESPOKE  
CRAFTSMANSHIP**

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