



CEDAS MATERIAL LIFTS



CEDAS Elevators & Fabrication SPS LLC

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CEDAS SMARTLOAD E07

*Smooth & Versatile Hydraulic Platform Lift
with Optional Cabin Walls*

Overview

The CEDAS Smartload E07 Lift is designed for smooth and stable vertical transportation using a cantilever-type hydraulic platform system. It is suitable for installations requiring moderate load capacities and flexible entrance configurations.

The lift can be supplied with or without cabin walls and may be installed in a wall-mounted shaft or as a self-standing structure, making it adaptable to both new constructions and retrofit projects.



Design & Construction

The platform is driven by a single suspended hydraulic cylinder, ensuring controlled movement and smooth stopping accuracy. The platform and cabin components are fabricated using high-quality steel materials to ensure durability and long-term performance.

Key Advantages

- Smooth and quiet hydraulic operation
- Flexible entrance configurations (front, rear, side, or through)
- Low pit depth requirement
- Optional upgrades for enhanced safety compliance

Standard Technical Specifications

- Rated Load Capacity: 400 kg to 2000 kg
- Maximum Travel Height: 7 meters
- Rated Speed: 0.15 m/s
- Drive System: Single hydraulic cylinder
- Operation: Key-controlled push-button system

Platform & Safety Features

- Steel checker plate flooring
- Optional cabin walls with handrails
- Interlocked landing doors
- Emergency alarm and lighting
- Emergency lowering system

Typical Applications

- Warehouses, hospitals, service buildings, industrial facilities, and utility areas.

CEDAS SMARTLOAD E07 HD

*Heavy-Duty Hydraulic Solution for High Load
& High Stability Requirements*

Overview

The CEDAS Smartload E07 HD Lift is engineered for high-capacity applications where stability, strength, and reliability are critical. The use of two side-mounted hydraulic cylinders ensures balanced lifting and enhanced safety during operation.

This lift is an economical alternative to conventional freight elevators while maintaining robust construction and dependable performance.

Design & Construction

The lift features a reinforced steel platform and cabin supported by dual hydraulic cylinders. Non-buried cylinder design ensures environmental safety and simplified maintenance. Heavy-duty guide rails provide precise vertical movement even under maximum loads.

Key Advantages

- High load handling capability
- Excellent lifting stability and balance
- Smooth start and stop operation
- Heavy-duty construction for industrial use

Safety Features

- Door interlocking system
- Emergency stop and alarm
- Emergency lowering facility
- Optional operator controls on platform

Typical Applications

- Manufacturing plants, logistics hubs, heavy warehouses, automotive facilities, and industrial production units.

Standard Technical Specifications

- Rated Load Capacity: 1000 kg to 10,000 kg
- Rated Speed Options: 0.15 m/s, 0.40 m/s, 0.60 m/s
- Maximum Travel Height: Up to 5 meters (extendable as per regulations)
- Drive System: Dual side-mounted hydraulic cylinders



CEDAS SMARTLOAD E07 HD PRO

*Industrial-Grade Vertical Transportation for
Extreme Load Applications*

Overview

The CEDAS Smartload E07 HD PRO Lift is engineered for high-capacity, high-intensity industrial operations where standard material lifts are insufficient. Designed to safely transport extreme loads ranging from 3 tons up to 50 tons, this series delivers exceptional strength, stability, and operational reliability.

Fully compliant with the EC Machinery Directive 2006/42/EC and relevant European safety standards, the HD Series is built to perform consistently in the most demanding industrial environments while maintaining superior safety and longevity.

Design & Construction

CEDAS Smartload E07 HD PRO Lifts are constructed using high-strength structural steel frames and premium-grade hydraulic components. The system can be configured with single-cylinder, dual-cylinder, or bottom-drive hydraulic arrangements, allowing precise adaptation to site conditions and load requirements.

Key Advantages

- Extremely high load capacity up to 50 tons
- Heavy-duty industrial construction for long service life
- Smooth, stable lifting performance regardless of load size
- Customizable cabin dimensions and configurations
- Suitable for continuous and intensive operation
- Complies with European and local safety standards

Standard Technical Specifications

- Rated Load Capacity: 3 tons to 50 tons
- Rated Speed: 0.15 m/s to 0.60 m/s
- Drive System Options:
 - Single hydraulic cylinder
 - Dual hydraulic cylinders
 - Bottom drive hydraulic system
- Maximum Travel Height: Up to 12 meters
- Maximum Structure Height: Up to 15 meters
- Power Supply: 400V, 3 Phase



Lift Car & Platform Construction

- Heavy-duty steel platform designed for extreme loads
- Reinforced car frame and sling structure
- Floor finishes available in mild steel, aluminum, or stainless steel
- Protective cabin wall pads to prevent impact damage
- Direct LED or fluorescent lighting options

Advanced Safety & Performance Features

- Hydraulic rupture valve to prevent uncontrolled descent
- Speed governor and fall arrest system
- Full-height laser light curtain at lift entrance
- Electromagnetic door interlocking system
- Emergency manual and automatic lowering during power failure
- Emergency stop switches and alarm system

Door & Access Options

- Manual swing doors with vision panels
- Collapsible steel doors
- Fully automatic landing and cabin doors
- Single-entry or open-through (180°) configurations

Typical Applications

- Heavy manufacturing plants
- Ports and shipyards
- Logistics and distribution terminals
- Automotive and steel industries
- Industrial warehouses and production units

CEDAS SMARTLOAD E10

Compact, Economical & Reliable Solution for Light-Duty Goods Transportation

Overview

The CEDAS Smartload E10 Lift is specifically designed for light to medium-duty goods movement where simplicity, reliability, and cost efficiency are essential. Utilizing a chain-driven electromechanical lifting system, this lift offers dependable performance without the complexity of hydraulic components.

Its compact footprint, shallow pit requirement, and reduced overhead clearance make it an ideal solution for existing buildings and retrofit installations where space is limited.

Design & Construction

CEDAS Smartload E10 lift is built around a rigid steel platform supported by a precision-engineered electromechanical drive system. The structure is designed to withstand repetitive loading cycles while maintaining smooth and stable vertical travel. All major components are easily accessible, allowing straightforward servicing and long-term operational reliability.

Key Advantages

- Compact and space-saving design
- Minimal civil work requirements
- Economical installation and operation
- Low maintenance and energy-efficient performance
- Ideal for retrofit and light-duty applications

Standard Technical Specifications

- Rated Load Capacity: Up to 600 kg
- Platform Size: Up to 1500 mm × 1500 mm
- Maximum Travel Height: Up to 8000 mm (G+2 floors)
- Rated Speed: 0.15 m/s
- Pit Depth: 150 mm or ramp access
- Minimum Overhead Clearance: 3000 mm
- Power Supply: 230V (Single Phase) or 380V (Three Phase)

Safety Features

- Electromechanical door interlocking system
- Brake motor for controlled stopping
- Chain safety brake mechanism
- Slack chain safety switches
- Push-button controls at each landing

Typical Applications

- Retail stores, stock rooms, pharmacies, workshops, small warehouses, libraries, and service areas.



CEDAS SMARTLOAD E10 HD

High-Performance Traction Lift for Unaccompanied Goods Transportation

Overview

The CEDAS Smartload E10 HD Lift is a robust, traction-driven vertical transportation system designed exclusively for unaccompanied goods movement. Fully compliant with the EC Machinery Directive 2006/42/EC, this lift is not intended for passenger use and ensures maximum operational safety in environments with high goods traffic. Engineered for continuous and intensive operation, the CEDAS SL delivers consistent performance, energy efficiency, and durability, making it an excellent alternative to conventional freight elevators.

Design & Construction

The lift is supplied with a freestanding modular steel structure, eliminating the need for a dedicated machine room or permanent shaft construction. All mechanical and electrical components are housed within this structure, allowing fast installation with minimal on-site disruption. The lift car is fabricated from heavy-duty steel panels and finished with industrial-grade coatings to resist impact, abrasion, and wear caused by frequent loading and unloading of goods

Key Advantages

- Designed exclusively for goods-only operation
- No machine room required
- Integrated modular shaft structure
- Rapid installation with minimal civil work
- Energy-efficient traction system with VVVF control
- Long service life with low maintenance costs

Standard Technical Specifications

- Rated Load Capacities: 500 kg / 1000 kg / 1500 kg / 2000 kg
- Rated Speed Options: 0.15 m/s, 0.30 m/s, 0.60 m/s
- Drive System: Geared traction machine with VVVF speed control
- Power Supply: 380–415V, 3 Phase
- Maximum Travel Height: 12 meters
- Maximum Number of Levels: Up to 4 floors
- Pit Depth: 200 mm (integrated into modular structure)



Lift Car & Door Options

- Heavy-duty steel lift car finished in RAL 1003 Yellow
- Internal car height options from 1800 mm to 2200 mm
- Car width and depth configurable from 1000 mm to 2000 mm
- Flooring options: steel checker plate or aluminum checker plate
- Manual swing doors or manual folding shutter gates
- Open-through (180°) entrance configuration available

Safety Features

- Electromechanical door interlocking
- Emergency stop push button
- Audible alarm system
- Controlled braking through traction drive

Typical Applications

- Warehouses, logistics centers, supermarkets, shopping malls, factories, commercial buildings, and distribution facilities.

CEDAS SMARTLOAD E10 HD PRO

*Advanced Traction Lift with Enhanced Safety
for Attended Goods Transport*

Overview

The CEDAS Smartload E10 HD PRO Lift is an enhanced version of the SL series, engineered to allow one or two trained attendants to accompany goods safely inside the lift car. It is ideal for facilities where operational requirements or regulations necessitate attended goods transportation. The SL PRO combines the proven traction technology of the SL series with advanced safety systems, operator controls, and monitoring features.

Design & Construction

Built on the same freestanding modular structure as the SL model, the CEDAS Smartload E10 HD PRO incorporates additional electrical and safety components without increasing the installation footprint. The lift car is reinforced to support both goods and attendants while maintaining smooth and stable operation.

Key Advantages

- Allows safe attendant operation
- Enhanced safety and monitoring systems
- Flexible control and door configurations
- Reliable performance under intensive usage

Standard Technical Specifications

- Rated Load Capacities: 500 kg / 1000 kg / 1500 kg / 2000 kg
- Rated Speed Options: 0.15 m/s, 0.30 m/s, 0.60 m/s
- Drive System: Geared traction machine with VVVF control
- Power Supply: 380–415V, 3 Phase

Safety Features

- Attendant key switch for controlled operation
- Cabin operating panel with emergency stop and alarm
- Full-height laser light curtain (EN ISO 13849-1, Category 2)
- Unintended car movement protection system
- Optional voice annunciation and position display

Typical Applications

- Hospitals, large retail stores, hotels (service areas), logistics facilities, and service buildings requiring attended goods transport.





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