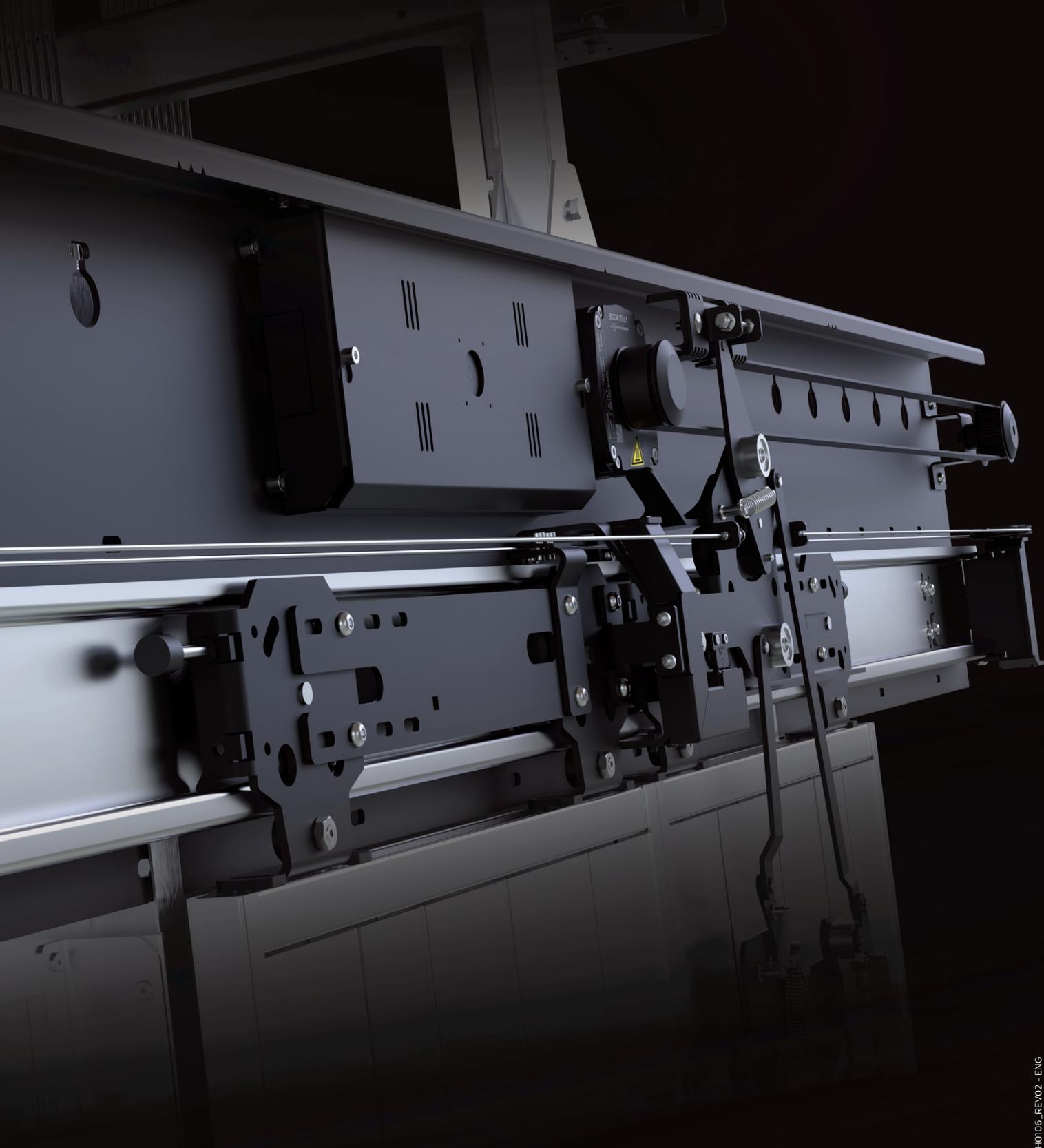


SD SERIES

DOOR EQUIPMENT



SICOR ITALY
AN  **ELEVANTIS COMPANY**

sicoritaly.com





Understanding the market,
anticipating its needs,
making them ours and
building our projects on them.



Founded in 1981 in Rovereto (Italy), SICOR has been a benchmark in the elevator industry for over forty years. Built on a solid engineering tradition and a continuous commitment to research and development, the company has earned an international reputation for reliability, innovation, and manufacturing excellence.

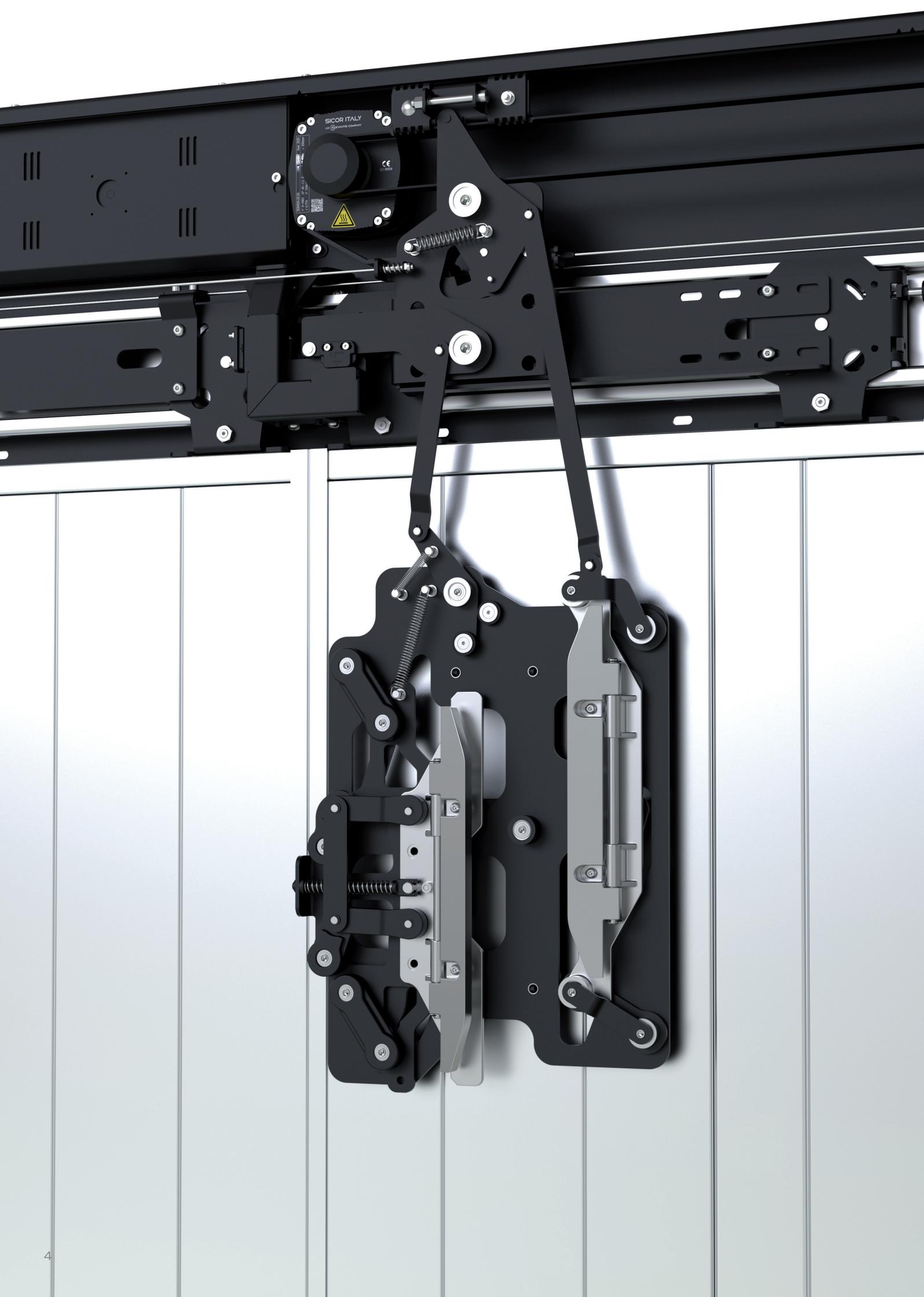


Today, as part of the ELEVANTIS Group, SICOR is ready to embrace new challenges and evolve beyond its historical role as a component manufacturer—becoming a provider of integrated and innovative solutions for the entire elevator supply chain.

Within this new vision, the company has expanded its product portfolio to include control panels, elevator doors, and safety devices, designed to work seamlessly alongside its well-established range of geared and gearless machines. The goal is to deliver complete, high-performance, and interconnected systems that simplify integration, enhance operational efficiency, and ensure maximum safety.

Every product is developed and tested within a certified quality system, ensuring reliability, traceability, and long-term performance across all production phases—from design to final testing.

With a forward-looking mindset, SICOR now positions itself as a technological partner for the elevator industry, combining industrial experience and digital innovation to provide solutions that anticipate the needs of tomorrow's mobility.



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DoorLink V100 door drive

Self-Learning Technology

Eliminates manual setup with advanced algorithms that auto-calibrate based on installation-specific dimensions and door characteristics.

BLE Interface

Bluetooth Low Energy connectivity allows for real-time wireless diagnostics, adjustments, and parameter control.

Remote Commissioning

The **Elevantis App** (iOS & Android) enables remote setup and ongoing monitoring without a laptop or handheld device.

Thermal Monitoring & Feedback

Built-in temperature sensors and encoder feedback optimize operation and provide early warning of potential overheating or alignment issues.

Protocol Integration

CAN-OPEN 417 or **Discrete** communication options enables direct interface with all elevator controller types.



Direct Drive Motor Technology

Synchronous Brushless Motor

Powered by Sicor's Surface Permanent Magnet (SPM) technology, delivering 80% efficiency and precise control while eliminating high-maintenance mechanical elements.

Energy Optimization

Consumes only 4W in standby and 8W per cycle, significantly reducing operational costs and supporting sustainable building goals.

Direct-Drive Propulsion System

Gearlessly powering the door hangers directly from the linear belt system reduces system mass and kinetic energy—resulting in faster, smoother operation with fewer moving parts than traditional harmonic link-arm systems.



Car-Side Installation & Setup Advantages

SD SERIES is engineered for rapid, low-effort installation-cutting labor hours, minimizing field adjustments, and accelerating project delivery without compromising on performance.

Factory Pre-Configuration

Each door operator ships fully pre-calibrated and tested, eliminating field setup errors and ensuring immediate readiness upon delivery.

Self-Learning Commissioning

System automatically detects and adapts to clear opening widths, removing the need for manual measurements or programming.

Transom-Mounted Design

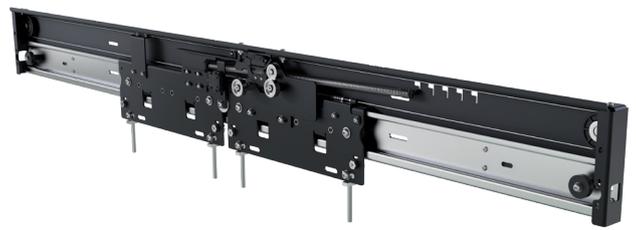
Compact and fully self-contained form factor fits entirely within sill depth, preserving valuable car-top space while improving technician access for servicing.

Linear Belt System

Direct-drive, linear-belt architecture eliminates traditional harmonic link arms and wear points, dramatically reducing installation time and improving long-term reliability.



SD100 Landing Equipment



SD300 Landing Equipment



SD500 Landing Equipment

Landing-Side Safety & Security Features

The SD SERIES's landing equipment is factory-installed and precision-calibrated, simplifying field setup while exceeding all applicable code requirements.

Inverted Landing Lock

Fail-safe locking system with a single pivot point ensures secure door engagement and consistent code compliance.

Factory-Mounted Interlocks

Delivered pre-installed to reduce labor, prevent alignment errors, and ensure safe and consistent performance on every landing.

Sicor SD100 Door Equipment

Sicor SD100 is designed to deliver essential, reliable performance for residential elevator applications—combining compact mechanical engineering with intelligent, self-learning controls. Purpose-built for apartment buildings, private residences, and small residential complexes, this door system offers quiet operation, smooth movement, and straightforward installation.

Engineered to meet the functional requirements of everyday residential use, SD100 ensures full compliance with the **ASME A17.1** and **EN81.20 elevator safety codes**, and **UL fire-rating standards**. Whether used in basic modernization projects or integrated into new low-rise systems, SD100 provides dependable reliability, seamless compatibility with standard control interfaces, and a practical design optimized for low-traffic environments.



System Performance & Technical Specifications

Maximum Speed	Up to 120 cycles per hour
Cycle Life	Designed for up to 100,000 door cycles per year
Noise Level	Quiet operation under 51 dB
Load Capacity	Supports door systems up to 160 Kg
Electrical Compatibility	Operates on a versatile 12V–240V AC/DC signal range

Door Configurations

T2: Two-Speed Side-Opening

Ideal for **Home lifts and residential** applications

Clear opening widths	from 700 to 1.100 mm
Clear opening heights	from 2.000 to 2.200 mm

C2: Single-Speed Center-Opening

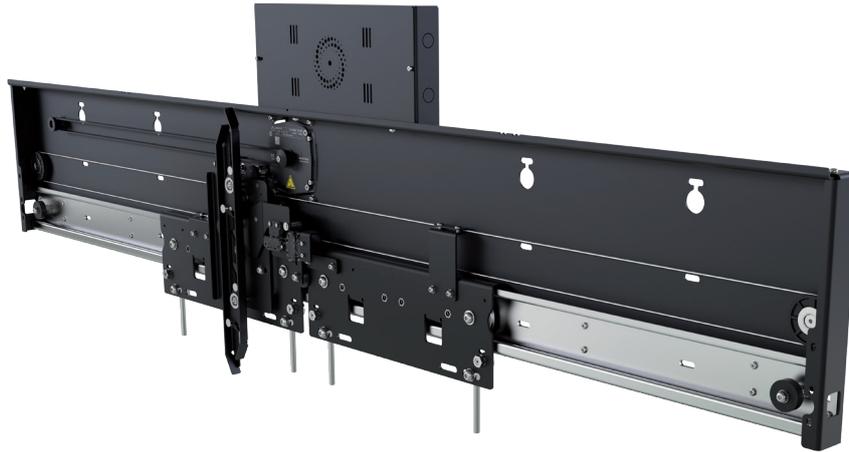
Designed for **Home lifts and residential** applications

Clear opening widths	from 700 to 1.100 mm
Clear opening heights	from 2.000 to 2.200 mm

Sicor SD300 Door Equipment

Sicor SD300 is designed to deliver dependable, high-efficiency performance for commercial elevator applications—combining robust mechanical engineering with intelligent, self-learning controls. Purpose-built for offices, hotels, retail environments, and public buildings, this versatile door system offers smooth operation, stable performance, and straightforward installation.

Engineered to meet the functional demands of everyday commercial traffic, SD300 ensures full compliance with the **ASME A17.1** and **EN81.20 elevator safety codes**, and **UL fire-rating standards**. Whether used in modernization projects or integrated into new mid-rise systems, SD300 provides solid reliability, seamless compatibility with a modern control interfaces, and a maintenance-friendly design.



System Performance & Technical Specifications

Maximum Speed	Up to 240 cycles per hour
Cycle Life	Designed for up to 2 million door cycles per year
Noise Level	Quiet operation under 51 dB
Load Capacity	Supports door systems up to 260 Kg
Electrical Compatibility	Operates on a versatile 12V–240V AC/DC signal range

Door Configurations

T2: Two-Speed Side-Opening

Ideal for **commercial elevators**

Clear opening widths	from 800 to 1.400 mm
Clear opening heights	from 2.000 to 2.500 mm

C2: Single-Speed Center-Opening

Designed for **high-traffic commercial** and **public** environments

Clear opening widths	from 800 to 1.400 mm
Clear opening heights	from 2.000 to 2.500 mm

Sicor SD500 Door Equipment

Sicor SD500 represents the next evolution in elevator door technology—combining heavy-duty mechanical engineering with intelligent, self-learning controls. Purpose-built for both modernization projects and new construction, this high-performance system offers lightning-fast installation, superior durability, and ultra-quiet operation.

Engineered to meet the industry's most demanding vertical transportation requirements, SD500 delivers full compliance with the **ASME A17.1** and **EN81.20 elevator safety codes**, and **UL fire-rating standards**. Whether retrofitting a mid-rise or outfitting a new high-speed lift, SD500 offers unmatched reliability, seamless integration with modern control systems, and a maintenance-friendly design.



System Performance & Technical Specifications

Maximum Speed	Up to 240 cycles per hour
Cycle Life	Designed for up to 2 million door cycles per year
Noise Level	Quiet operation under 51 dB
Load Capacity	Supports door systems up to 360Kg
Electrical Compatibility	Operates on a versatile 12V–240V AC/DC signal range

Door Configurations

T1: Single-Speed Side-Opening

Designed for **low-speed, low-rise** applications

Clear opening widths	from 700 to 1.200 mm
Clear opening heights	from 2.000 to 3.000 mm

T2: Two-Speed Side-Opening

Ideal for **LULA lifts, service elevators, and hospital-style** applications

Clear opening widths	from 700 to 1.800 mm
Clear opening heights	from 2.000 to 3.000 mm

C2: Single-Speed Center-Opening

Designed for **high-traffic commercial** and **public** environments

Clear opening widths	from 700 to 1.800 mm
Clear opening heights	from 2.000 to 3.000 mm

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Products' specifications included in this brochure are subject to change by Sicor without notice.