



Schindler 400A® Machine Room Less Elevator
Save space. Save time. Save energy.



Schindler 400A[®] combines machine room less design with Schindler ID[®] efficiency

The streamlined Schindler 400A[®] traction elevator system features advanced machine room less design that can be combined with revolutionary Schindler ID[®] destination dispatch technology. Its smaller footprint takes up much less of your valuable building space. Its unique design shortens manufacturing and installation times. Plus it uses less power to provide significant energy savings.

Energy-saving drives

The Schindler 400A features advanced technology that delivers exceptional energy savings. With high efficiency AC gearless machines, energy usage can be dramatically reduced over traditional geared equipment and competitive hydraulic systems. It is available in a machine room less (MRL) configuration, which saves both building space and HVAC requirements.

Schindler ID — increased efficiency using less power

The award-winning Schindler ID destination-dispatch system can further improve Schindler 400A traffic handling by up to 30%, meaning less elevator usage and fewer power requirements. When coupled with available power factor 1 drives that actually return power to the building, the Schindler 400A can reduce energy usage even further.

Application range

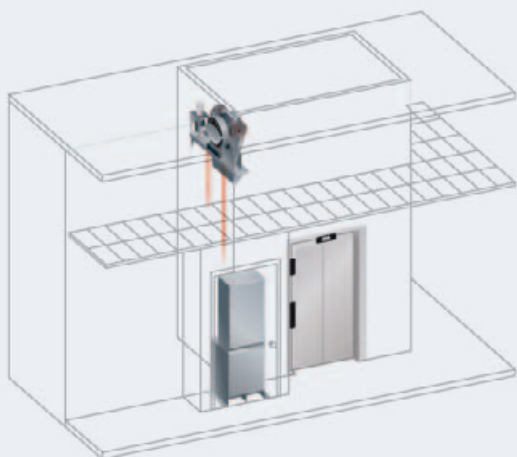
- Travel to 230'
- One- to six-car groups
- Front and rear openings
- Speeds of 200, 350 and 500 fpm
- General purpose capacities of 2100, 2500, 3000, 3500, 4000 lb.
- Hospital/service capacities of 4000, 4500 and 5000 lb.
- Cab heights up to 10'.



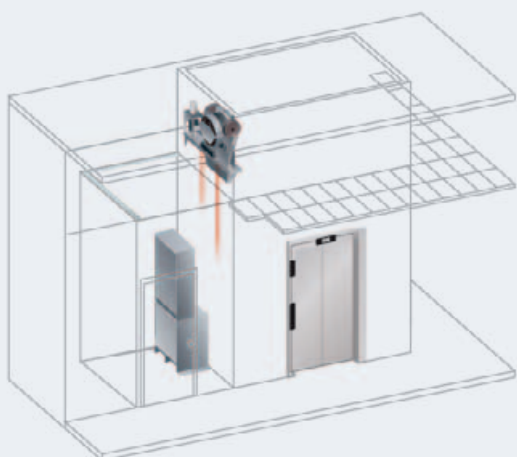
Space saving

Schindler 400A reduces the need for a machine room and consumes less vertical and horizontal space in your building. Its small, easy-access controller cabinet and lightweight, compact machine permit more rentable building space. Thanks to low headroom requirements, Schindler 400A requires little or no roof penetration. This can mean flat and usable roofs, and unprecedented design freedom. Add it all up and Schindler 400A really measures up. Machine room configurations are available where required by applicable code authority.

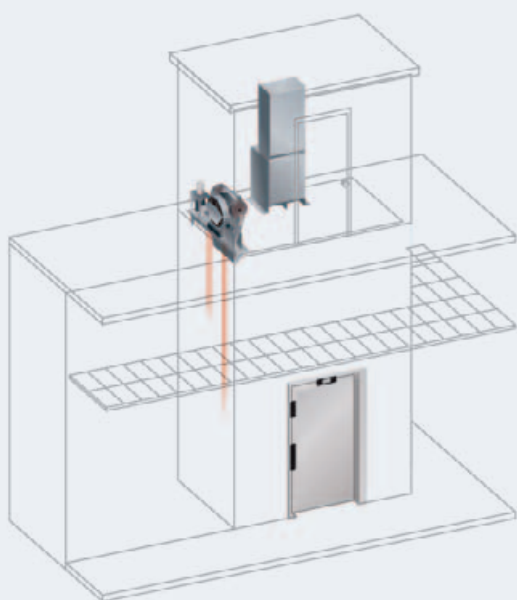




Machine Room Less (MRL)



Machine Room Side (MRS)



Machine Room Above (MRA)

Three space-saving machine room options

Machine Room Less (MRL)

A small closet for the compact controller cabinet replaces the conventional machine room. Located at the front of the hoistway at the top floor, normally the space requires no roof penetration. Optional alternate control space locations around the perimeter of the hoistway at the top landing or in custom remote spaces are available.

Machine Room Side (MRS)

A mini-machine room located alongside the hoistway on the top floor can be provided to house the controller cabinet and provide access to the governor. Optional alternative machine room locations around the perimeter of the hoistway at the top landing or in custom remote spaces are available.

Machine Room Above (MRA)

A conventional machine room located on the roof directly over the hoistway is available if preferred. While it houses the controller cabinet and provides access to the motor and governor, its footprint is no bigger than the hoistway itself. Traditional concrete slab is standard. Optional rail mounting of equipment is available for some configurations.

Time saving

Fewer building interfaces. Less lead time.
Efficient installation. Put it all together and
Schindler 400A installs like clockwork.

Reduce installation time

The entire system installs within a simple hoistway for fast, easy installation and simpler site preparation. The compact gearless machine has several mounting configurations requiring less building interface and less lead time.

Easy-install entrances

Integral hall fixtures are mounted in the jamb to minimize cutting and patching needed in the lobby walls and to eliminate the need to run wire protection conduit. The entrance also has an integrated sill support channel that eliminates the need to install sill angles. Fewer interfaces with other construction trades are required, reducing installation time.

Factory-trained installation specialists

The Schindler 400A traction elevator system is installed by certified specialists who have been factory trained to use the latest standardized installation techniques and tools. Their installation of your Schindler 400A elevators is your assurance of efficient and expert installation.





Energy saving

The Schindler 400A elevator system features solid-state controls, innovative engineering and advanced technology to deliver smooth, reliable performance plus significant energy savings.

High-efficiency drives

The Schindler 400A elevator system uses a high-efficiency ACVF drive that delivers smoother starts and stops and lower power consumption. It also offers:

- More sophisticated control over drive performance
- Adaptability to tenants' needs
- Closed-loop electronic monitoring for energy efficiency.

Regenerative drives

Power Factor 1 regenerative drives are the next-generation drive system and are available as an option with the Schindler 400A elevator. During light elevator loads on ascent or heavy loads on descent, they can generate energy back into the building's electric system where it can be used to power the lighting, air conditioning or other equipment. Since the drives generate less heat, additional energy savings are achieved through reductions in machine room cooling requirements.

Energy-saving gearless machines

Together with high-efficiency drives, the Schindler 400A uses powerful permanent magnet gearless machines for even greater energy savings. In addition to being remarkably compact and light, the advantages of the permanent magnet gearless machines include:

- Up to 50% less energy consumption
- Fewer moving parts for improved reliability
- Less noise and lower weight
- Smaller footprint, with optimal shaft layout
- Superbly smooth ride with less vibration
- Easily serviced from car top.



Proven traffic management controls

The standard control for the Schindler 400A elevator is the proven and highly efficient Schindler Miconic® GX controller. It offers a full range of functions to accommodate a wide variety of traffic patterns and requirements.

- Sophisticated 32-bit processor uses Local Operating Network technology as its common communications protocol. Simplified wire runs promote faster, error-free installation.
- The built-in Schindler SMLCD diagnostic function eliminates the need for special troubleshooting tools.
- Schindler Remote Monitoring™ (SRM) continuously monitors numerous operational parameters to help pinpoint and diagnose problems remotely. The system is fully automated with direct communications between the elevator and service technician.
- Optional Schindler LobbyVision® integrated control system allows single-point supervision of multiple elevator systems within a building.



Schindler ID destination dispatch

The Schindler 400A elevator system is also available with the Schindler ID traffic management control. This award-winning technology is already in use in some of the world's "greenest" buildings. When combined with high-efficiency drives and energy-saving gearless machines, it can further improve Schindler 400A elevator system performance.

Before entering the elevator, Schindler ID® passengers register their destinations on a keypad or by using a variety of identification media and a card reader. By pre-assigning passengers to specific cars, this system can:

- Improve traffic handling capacity by as much as 30% over conventional control systems
- Reduce nonessential energy usage
- Deliver passengers to their destinations faster with fewer passengers per car
- Provide personalized service and access control.

Superior ride quality

The Schindler 400A includes other innovative design features that improve ride quality.

- Elevator cables run diagonally beneath the cab, balancing the cab load within the guide rails.
- Underslung design reduces vibration and side-to-side motion sometimes felt with other systems.
- Precision T-rails promote quiet and stable ascents and descents.

Smooth and reliable door operation

The Schindler QKS16 IDD door operator is one of the hardest working systems of the Schindler 400A elevator. Utilizing variable frequency closed-loop feedback it consistently delivers:

- Reliable, safe, quiet operation
- Precise, smooth door speeds
- Code-compliant force adjusted to the door's weight.

In addition, Schindler's infrared light curtain detects people or objects in the doorway without physical contact. It quickly and safely reopens the door when objects cross the door threshold.

Contemporary and stylish

The Schindler 400A elevator system can be custom designed to coordinate with any building décor. You can mix and match from a selection of fixtures, car ceilings, handrails and wall finishes. Working from a wide spectrum of design options, you can create your own unique look.



Schindler HT Series hall and car fixtures

Schindler HT Series hall and car fixtures feature contoured, contemporary styling to suit any building decor. Manufactured to meet Schindler's high standards for quality, the fixtures illuminate using long-lasting LEDs for easy visibility and energy efficiency.

- HT Series fixtures meet ADA requirements as well as applicable local and national codes and use jamb mounting and plug-and-play wiring for faster installation.
- Schindler HT fixtures use high-strength black Lexan® materials to withstand years of heavy use.
- Optional premium or vandal-resistant configurations are available in various metal finishes.
- HT Series fixtures need no cutouts in lobby walls and require fewer interfaces with other construction trades.



Vandal-resistant HT fixtures



Premium HT hall fixtures



Schindler HT fixtures



Wall-mounted fixtures



125 Cab: 8 feet high, baked enamel walls with laminate panels, brushed stainless steel entrance, SC02 ceiling, flat brushed stainless steel handrail and standard fixtures.



115 Cab: Brushed stainless steel walls, brushed stainless steel entrance, SC02 ceiling, flat brushed stainless steel handrail and brushed stainless steel vandal-resistant fixtures.



125 Cab: Baked enamel walls with laminate panels, brushed bronze entrance, SC04 ceiling, round brushed bronze handrail and standard fixtures.



125 Cab: Brushed stainless steel walls with laminate panels, brushed stainless steel entrance, SC08 ceiling, flat brushed stainless steel handrail and brushed stainless steel vandal-resistant fixtures.

Appearance and decor options

Finishes

- Baked enamel: Choose from a standard selection of colors available to give your cab walls and entrances just the right look. See Schindler's Palette Baked Enamel Color Guide for selections.
- Laminates: Dozens of durable plastic laminates are available to provide unlimited design possibilities. See your Schindler representative for selections.
- Metals: Cars, entrances and fixtures may be enhanced with your choice of brushed stainless steel or bronze, or mirror stainless or bronze finishes. Please consult your Schindler representative for options, pricing and availability.

Ceiling options

- Schindler offers a selection of six standard ceilings with a variety of features and finishes. Choose from exposed frame suspended ceilings with fluorescent or disc lighting, concealed frame suspended ceilings with downlights or perimeter lights, or a steel canopy ceiling with fluorescent lighting. For a complete description, see Schindler's Ceilings brochure. Consult your Schindler representative for options, pricing and availability.

Handrails

- Brushed stainless steel
- Brushed bronze
- 1 1/2" round and 1/2" x 2" flat
- Brushed aluminum (1/2" x 2" flat only).

Base, frieze and reveal package for cabs with laminate panels

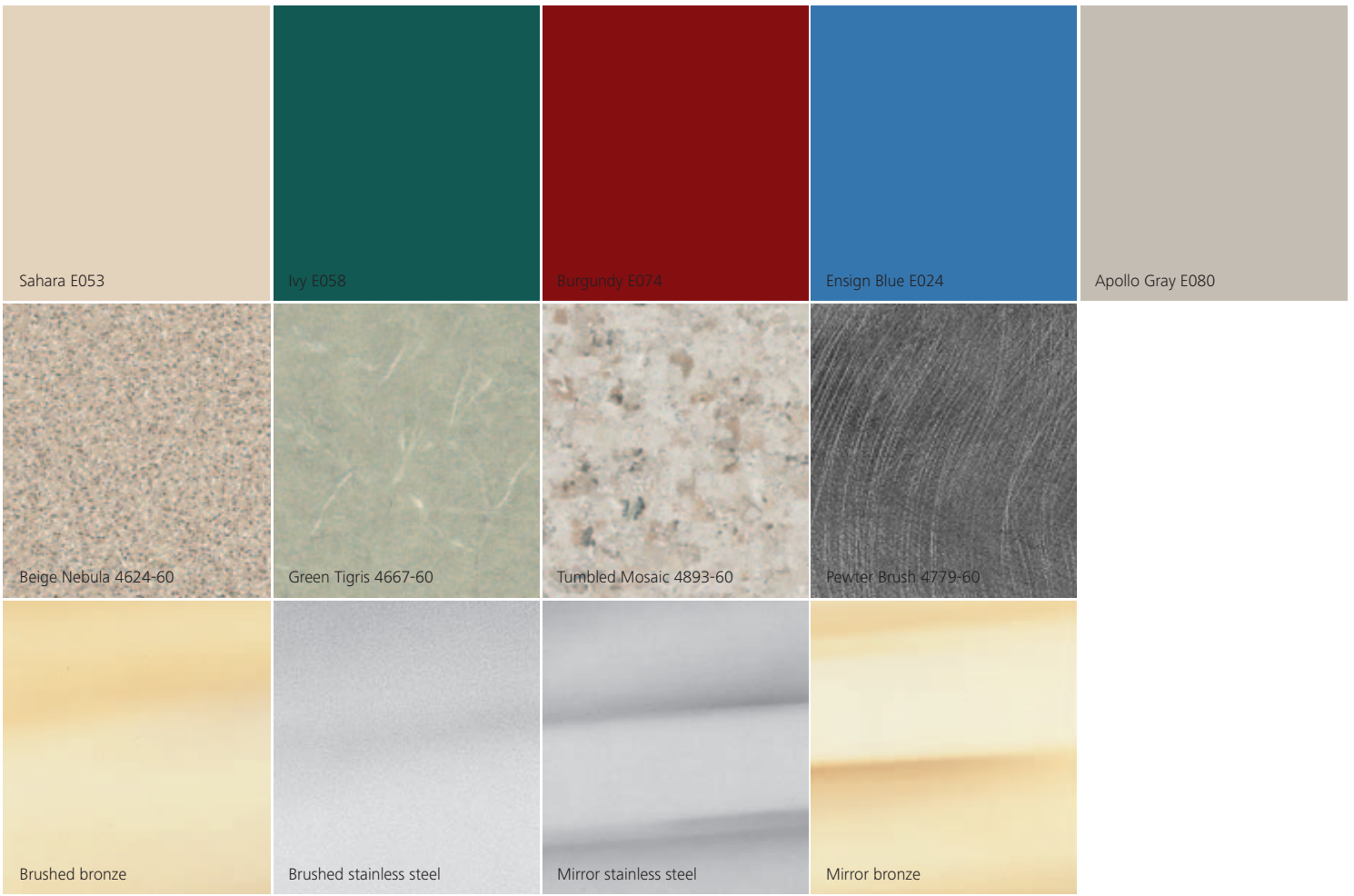
- Brushed stainless steel
- Brushed bronze
- Mirror stainless steel
- Mirror bronze.

Wall options

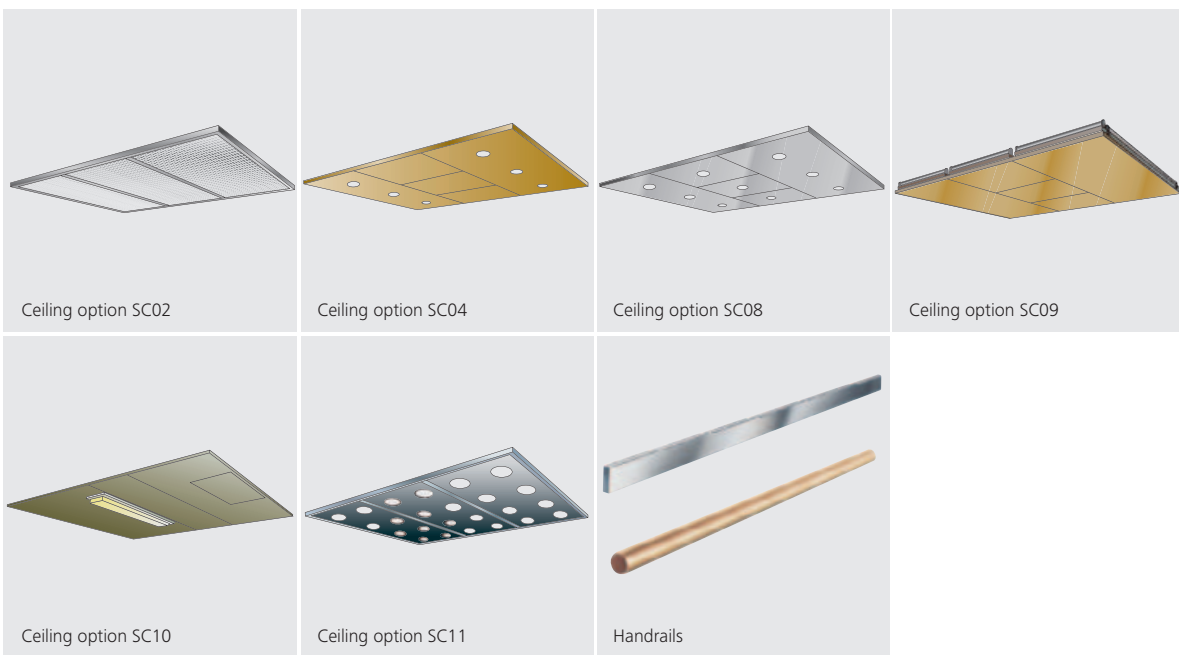
- Steel cab shell finished in:
 - Baked enamel
 - Brushed stainless steel
 - Plastic laminate panels
- Heavy gauge cab shell in:
 - 14 gauge steel shell
 - 13 gauge ceiling
- Rear glass wall



Rear glass wall cab: Brushed stainless steel walls with laminate panels, SC08 ceiling and round brushed stainless steel handrail.



This a representative sampling of the available finishes. Contact your Schindler representative for the full selection.



Schindler Service Excellence

Schindler appreciates your business and is committed to anticipating and meeting your service requirements. We bring high-level expertise and unique experience to help you realize maximum benefit from your Schindler 400A elevator system.

Schindler Customer Service Network

Schindler Service customers have 24/7 toll-free access to the Schindler Customer Service Network (SCSN). Trained representatives with instant access to your account information respond promptly to any request for assistance by dispatching technicians equipped with Schindler FieldLink™.

Schindler FieldLink™

FieldLink is a comprehensive service instrument that's a cell phone, dispatch device, troubleshooting tool, parts database and service manual all rolled into one, hand-held computer system. FieldLink™ gives your technician access to virtually any information needed to complete your service call quickly and correctly.

Schindler Remote Monitoring™

Knowing the status of your equipment doesn't necessarily require an onsite inspection. Utilizing the existing ADA phone line on your elevator, Schindler Remote Monitoring™ can systematically monitor a wide range of elevator operational parameters. When necessary, Schindler Remote Monitoring will automatically dispatch a service technician armed with advanced diagnostic information to expedite solution-based corrections. Upon completion of any service call, your technician posts all details to your personalized Schindler Customer Score Card™.

Schindler Customer Score Card™

With Score Card™, you can view the complete service history of all the equipment in your portfolio and see precisely how well your maintenance plan is supporting your needs. Your secure access is enabled through the personalized My Schindler™ feature of our web site. Score Card can also be used to develop custom proposals and budget plans for upgrades to your elevators.



Ever greener



Keeping the environment in mind

Schindler can help owners, architects and construction managers go green by:

- Providing detailed information when registering for U.S. Green Building Council's LEED® certification programs
- Working hand-in-hand to meet applicable LEED requirements
- Helping reduce a building's on-site energy consumption and the carbon footprint.

For any questions related to Schindler's environmental initiatives or for specific project LEED certification, your Schindler Environmental Affairs Department and LEED Certified Professionals are available to support you.

LEED is a registered trademark of the U.S. Green Building Council.

Buy America

Schindler Elevator Corporation is proud to be able to offer products that meet the Buy America standards. With elevator and component manufacturing in Gettysburg, Pennsylvania, and escalator, escalator steps and moving walk manufacturing in Clinton, North Carolina, Schindler is one of the few elevator companies with most of its manufacturing facilities remaining in the United States. In addition to being produced by American workers, the Schindler 400A is manufactured in ISO 14001:2004 and ISO 9001:2000 certified plants.

For further information, including location of the Schindler office nearest you, please visit:

www.us.schindler.com

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Schindler is a member organization of the U.S. Green Building Council.



Schindler has received renewal to ISO 14001:2004 and ISO 9001:2000 certificates.



Schindler prints with vegetable-based ink on paper containing post-consumer waste fiber.

