Schindler 3100

Simple and practical.
Our passenger elevator for small residential buildings really gets you moving.

Schindler Passenger Elevators

Schindler

We do what we promise. And we promise a lot.

A sensible choice
Are you looking for an elevator for a small residential building? Schindler 3100 is the right choice for you. The elevator is designed for a maximum of five stops. It is sophisticated, yet simple, highly standardised and quickly installed. No complicated specifications are required. A practical and cost-effective solution.

Fits perfectly
The car of the Schindler 3100 is designed to meet the standard ISO dimensions. An elevator which is easy to plan and practical in use. An overall convenient solution.

Capacity	Car width x depth	Passengers	Shaft dimensions*
450 kg	1000 x **1250**	6	1500 x **1600**
480 kg	1000 x **1300**	6	1500 x **1650**
630 kg	1100 x **1400**	8	1600 x **1750**

*Applicable to cars with one-sided entrance and 800 mm door.

Conspicuously quiet
Due to the traction media, the Schindler 3100 moves very quietly. An advantage that affects the entire building.

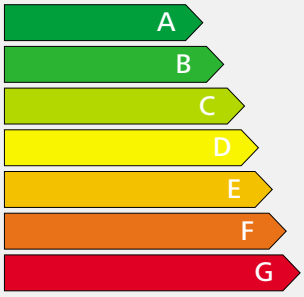
A look that provokes envy
In addition to a stainless steel model, the car interior is available in four different, carefully selected colours to create a fresh ambience in your elevator.

Space-saving design
The Schindler 3100 has some outstanding features such as a low headroom height and a machine room-less system, which adds space for you to use. Finally, the control unit is installed directly in the doorframe. A separate control cabinet is not necessary, all of which saves space and effort.

This elevator outperforms hydraulic systems
The Schindler 3100 traction elevator is an ideal alternative to hydraulic systems, because it uses less energy and emits no odours.

Efficient system
The Schindler 3100 is environmentally friendly and economical in the use of resources. An efficient, fully engineered product, in which all parts are perfectly adjusted to each other. Ratings by run by Schindler and independent third parties show that on average the Schindler 3100 provides an energy efficiency classification in the “green” range. The effects are noticeable.

Energy efficiency classes



The measurement standard is VDI 4707 established in March 2009 by the Association of German Engineers.

Key figures

Capacity	450–630 kg, 6/8 passengers
Travel height	Max. 20 m, max. 5 stops
One-sided entrance*	450 kg / 480 kg, 630 kg
Two-sided entrance*	450 kg / 480 kg, 630 kg
Door width*	800 mm, 900 mm
Door height*	2000 mm, 2100 mm
Drive	Gearless/frequency-controlled
Speed	0.63 m/s, 1.0 m/s
Control	Push-button control and down collective control
Interior	Four colours and stainless steel

* For possible combinations, see the planning data on page 10.

Note
Specifications, options and colours are subject to change.

All cars and options illustrated in this brochure are representative only. The samples shown may vary from the original in colour and material.

Car interior
Pisa Orange

Walls

Coloured deco
Arles Yellow

Coloured deco
Pisa Orange

Coloured deco
Athens Blue

Coloured deco
Turin Grey

Stainless steel linen

Stainless steel brushed

Ceiling
Floor
Door area
Baseboard

Ceiling
Grey laminate

Floor
Black speckled rubber

Floor
Black artificial granite

Car door and front
White aluminum paint

Car door and front
Stainless steel linen

Car door and front
Stainless steel brushed

Baseboard
Anodized grey aluminum

Colours that brighten up the ride.

Arles Yellow

Pisa Orange

Athens Blue

Turin Grey

Stainless steel linen

Stainless steel brushed

The car is attractive. Arles Yellow, Pisa Orange, Athens Blue and Turin Grey are fresh shades that are unusually inviting due to their brilliance and brightness. Combine them with a dark rubber or granite floor and a ceiling of light grey synthetic material.

The same is true for the stainless steel model. Stainless steel in a linen or brushed finish looks elegant. The lighting is embedded in the ceiling and gives off a pleasant light. Upon request, the car can be enhanced with a half-length mirror and handrail.

Quality is not necessarily expensive, and complex is not necessarily complicated.

Car operating panels
The car operating panel with white back-printed background is available with push buttons. The buttons emphasize functionality and are designed to standard. The panel ensures that communications with passengers are absolutely reliable, clear and identifiable.

Standard:
– Door open and alarm button
– Tactile
– Visual and acoustic confirmation of call acceptance
– Position indicator
– Voice floor announcement (selected languages)
– EN81-70 compliant

Options:
– Direction arrows for memory push button control
– Pre-announcing arrows for collective controls

Landing operating panels
Standard:
– Stylish panel with push button

Options:
– Braille
– Key switch on landing

Car position indicator

Car operating panel, push buttons

Landing operating panel, push button

Handrail

Ceiling

Mirror
A half-length mirror of safety glass will be provided on one side wall or on the rear wall.

Handrail
The handrail matches the colours and shapes of the other interior elements. It may be mounted to a side wall or to the rear wall.

Doors
Doors are equipped with a frequency-controlled drive for fast and reliable operation. Telescope sliding doors are available opening to the left or to the right.

Car doors
Standard:
– White aluminium paint

Option:
– Stainless steel

Landing doors
Standard:
– Prime painted

Options:
– Stainless steel
– Fronts (Facade) in shaft width

Baseboard

Car operating panel

Control

The control system is based on low-energy multiprocessor technology. The compact main control unit of the decentralized system is integrated in the doorframe and includes both push-button and down collective control.

Control functions
Standard:
- Self-diagnostic, self-testing
- Photocell protection on doors
- Overload detection
- Permanent two way communication for connection to an assistance centre

Options:
- Automatic evacuation to nearest floor
- Automatic return to the main floor from all floors
- Restricted access to floors (access via key contact)
- Double entrance with parallel operation
- Fireman's control
- Light curtain
- Independent service via in-car reservation key
- EN81-70 compliant
- Alarm horn on car

Special options for parking floors

- Car call by key
- Automatic return to main floor from parking floors

Drive

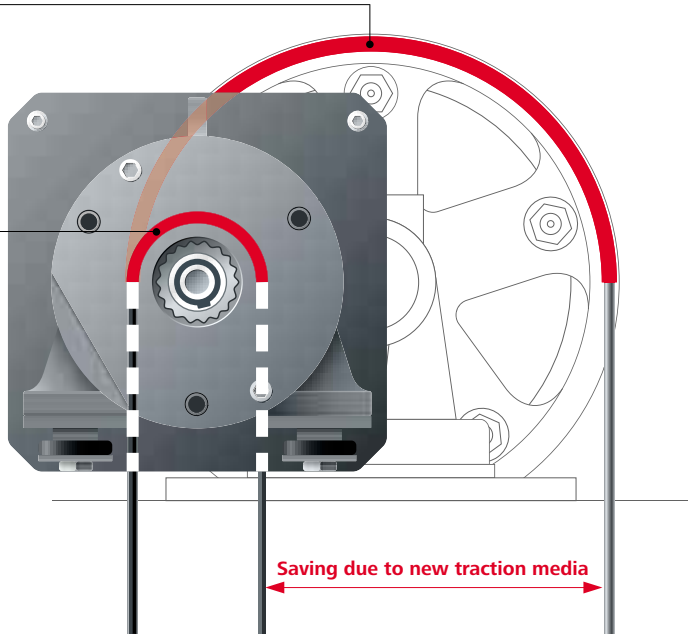
The Schindler 3100 only requires a small drive. This saves significant space in comparison to previous drives. It can be installed directly in the headroom and does not require a machine room. The drive has low energy consumption and causes minimum noise due to the material of the traction media. For both passengers in the car, and occupants of the building, it's a real increase in comfort.

Traction media

Traction media replace conventional steel cables, weigh less, require less space, and run more quietly. Thanks to the traction media, the gearless drive needs no oil for lubrication – an environmentally friendly solution.

Previously: Steel cables
Steel cables are relatively inelastic. They need a driving pulley diameter of at least 320 mm to handle the cable diameters required for elevators. The complete conventional motor including drive gears must be large enough to match. A system that requires space.

New: traction media
Traction media are flexible. They use a much smaller traction shaft diameter than steel cables, only 72 mm, requiring a much smaller motor. A design that saves space.



We design today what you need tomorrow. See for yourself.

Planning
The Schindler 3100 requires no machine room. For you, this means less planning. Only one space, the elevator shaft, has to be designed. Standardised plans simplify the process, making it fast and efficient.

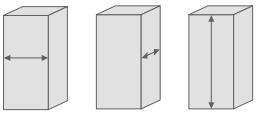
Order
The design of the Schindler 3100 is sophisticated, yet simple. The key parameters are quickly determined. Since there are no complicated specifications it is easy to place an order. You will quickly and effortlessly find the product that fits your needs.

Delivery
We deliver the Schindler 3100 completely assembled in a consolidated package at the exact moment when the building is ready for it.

Installation
The mountings are easily positioned directly in the floor and the elevator is quickly installed. No cranes or scaffoldings are required. A well thought out process.

A straight line is the shortest route, and we are taking it.

Machine room-less traction elevator with frequency-controlled drive
450/480 kg, 630 kg capacity, 6, 8 passengers

Capacity	**Passengers** max.	**Speed**	**Travel height** max.	**Number of stops** max.	**Available entrances** max.	**Car**			**Door**			**Shaft**				
																
GQ kg		VKN m/s	HQ m	ZE		BK mm	TK mm	HK mm	Type	BT mm	HT mm	BS mm	*1 TS mm	*2 TS mm	HSG mm	HSK mm
450	6	0.63	20	5	2	1000	1250	2135	T2	800	2000/2100	1500	1600	1800	1100	3400
										900		1600				
		1.0	20	5	2	1000	1250	2135	T2	800	2000/2100	1500	1600	1800	1100	3400
										900		1600				
480	6	0.63	20	5	2	1000	1300	2135	T2	800	2000/2100	1500	1650	1850	1100	3400
										900		1600				
		1.0	20	5	2	1000	1300	2135	T2	800	2000/2100	1500	1650	1850	1100	3400
										900		1600				
630	8	0.63	20	5	2	1100	1400	2135	T2	800	2000/2100	1600	1750	1950	1100	3400
										900						
		1.0	20	5	2	1100	1400	2135	T2	800	2000/2100	1600	1750	1950	1100	3400
										900						

GQ	Capacity
VKN	Speed
HQ	Travel height
ZE	Stops
HE	Interfloor distance

BK	Car width
TK	Car depth
HK	Car height

T2	Telescopic door, 2-part
BT	Door width
HT	Door height

BS	Shaft width
TS	Shaft depth
*1	1 entrance
*2	2 entrances
HSG	Pit depth
HSK	Headroom height

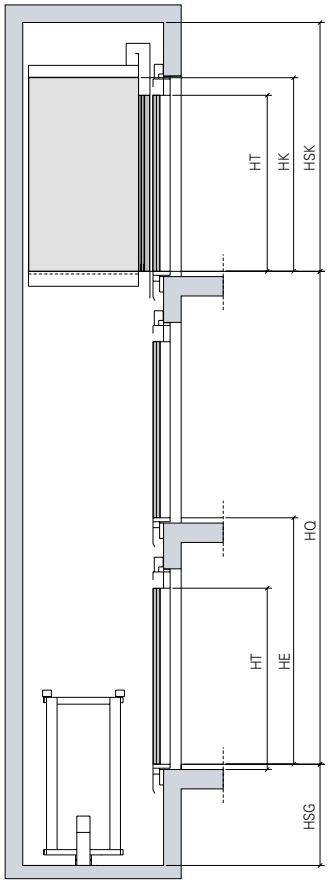
Interfloor distance (HE) is:
min. 2400 mm for door height 2000 mm
min. 2500 mm for door height 2100 mm

HE for two-stop installations is min. 2600mm
for door height 2000mm and 2100mm.

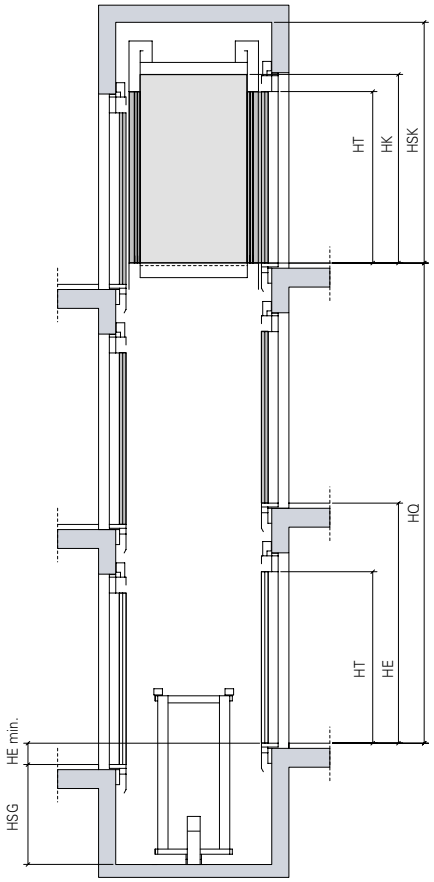
The short interfloor distance (HE min.) for
opposite entrances is 300 mm.

EC Master Builder Certificate in accordance
with Elevator Directive 95/16/EC

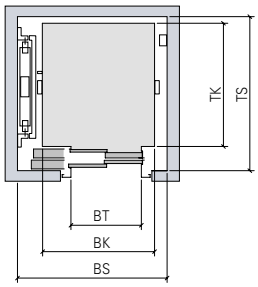
Height and layout



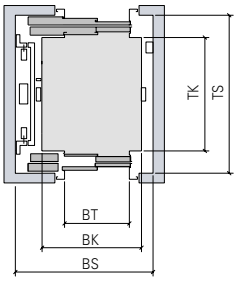
One-sided entrance



Two-sided entrance



One-sided entrance,
telescope door



Two-sided entrance,
telescope door

For further information, such as proposals, construction plans and pricing, please contact our Sales Department directly.

Our global organisation is always behind you.

For additional information and the location of our office:

www.schindlerlifts.co.uk

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