

TEKNIX

VERTICAL TRANSPORT SOLUTION

In Collaboration with SRH Aufzüge GmbH



**Greentek**
Empowered by Innovation & Technology

www.teknixelevators.com



Finest German
Craftmanship



We, Teknix

The world is growing, changing & is a host to ever – growing number of people. What doesn't change is the willingness of every man to look beyond, to aim high, towards new goals.

Vision

At **Teknix**, Our vision is to improve vertical flow of urban life, we aim at making vertical transportation, safe, efficient, Convenient and reliable. We believe in reducing the carbon footprint to the minimal by improving the efficiency & reducing the power consumption of our elevators.



Teknix is an ISO 9001-2008 certified company. Teknix began with a simple concept: to achieve excellence in vertical transportation. Since three decades in the field of installation, modernization and maintenance of elevators. Teknix Elevators Pvt. Ltd. Management team brings deep expertise in the field of vertical transport technology.

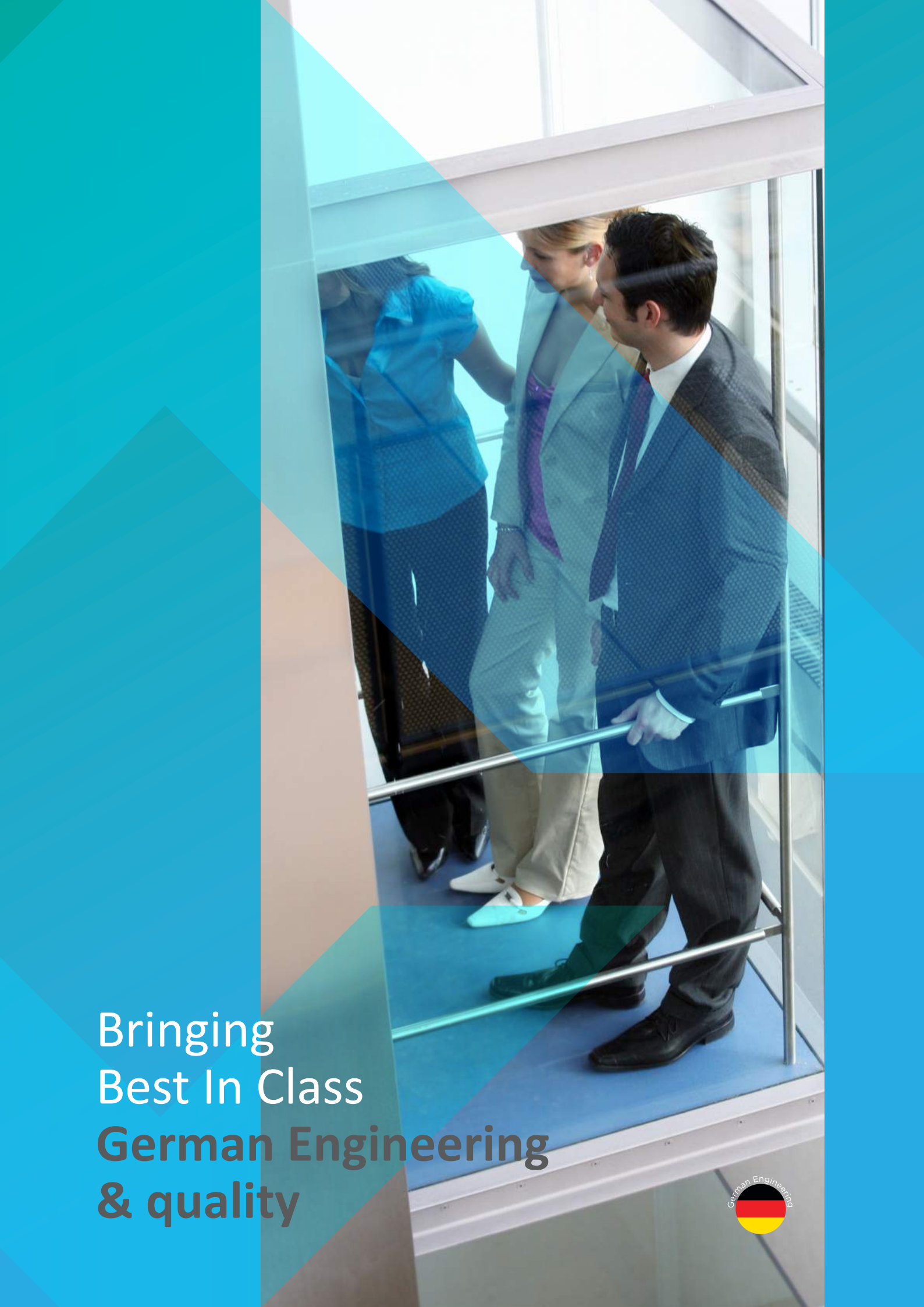
Every product, whether custom-built to client specifications or part of a larger vertical Transportation line, is subject to stringent testing by our in-house R&D. Our commitment and dedication to give our customers a superior and reliable product with Excellent quality and service.

Teknix elevators Pvt. Ltd has now entered into collaboration with SRH Aufzüge GmbH. The company is located in Bremen, Germany with company's network across 46 countries and regions all over the globe.

In Germany as a member of VFA-Interlift e.V. SRH Aufzüge has participated in Drafting of the EU standards and norms for elevators. SRH Aufzüge GmbH has established its network all over the globe, with a global manufacturing unit based in Germany as well as in P. R. China by the brand name of Sicher Elevator. With Teknix Elevators Pvt. Ltd joining hands with SRH Aufzüge GmbH for the India market we now have technology for elevators with speed up to 8 m/s and German research and development, leading to the best of the vertical transport solution available in India today.

Our partner operations in China covers an area of 1,47,600 Square meters , with overall floor area as big as 1,70,000 Square Meters. Own manufacturing centre, R & D centre, customer service centre as well as fully fledged elevator test tower of 108 Meters height, having elevator with running speed of 8 M/second. Having production facilities and inspecting equipments with world advanced levels from Germany, Italy and other countries to achieve the production capacity of 40,000 units as an annual output. Our Partner companies have 16 Advanced Production lines including fully automatic Sheet metal working line from Salvagnini – Italy, Kuka Robotic Welding from Germany, Fully Automatic Powder painting Line from Wegner – Germany, Raskin Multi Station Turret Punch Line from Switzerland, Beyeler NC- Machining Station from Germany and Many more.

We at Teknix Elevators Pvt. Ltd now in collaboration with SRH Aufzüge GmbH are supplying elevators with German technology, Research and development in the collaborative name as TEKNIX in collaboration with SRH Aufzüge GmbH.



Bringing
Best In Class
**German Engineering
& quality**





TEKNIX
Greentek

Roll up those sleeves and get stuck into the job to be done – It's Time to see the world from a new perspective. Because the new Greentek changes everything. It changes the way you work, the way you play, and the way you travel. The choice of materials, the degree of perfection and exclusivity in the interior surpass expectations. And it is simply in the new Greentek's DNA to shine with technical innovations. Change is coming your way. You will see it, Sense it and experience it for yourself.



TEKNIX ADVANTAGE

Teknix Greentek is a new generation elevators made with finest german craftsmanship and years of research and development that has gone into the minutest details to make it a technological marvel. Teknix Greentek is born with state of the art critical components like new generation Ultra High Precision integrated close loop VVVF drive with DTI & Direct Landing technology and stylish touch sensitive human interface devices together outperform to give you a impeccable elevator ride.



Customized Design

Choose a interior design from our ready to pick preconfigured cars or make a choice and create your own concept from the range of materials available.



Green Technology

Teknix Greentek reduces your power consumption upto 60% by using high efficiency gearless Permenant Magnet Synchronous machine. Moreover comes with DTI or designated torque injection which helps in saving additional power compared to other gearless elevators.



Smoother Ride

Greentek elevators are equipped with Multi-computer based close loop integrated drive system which helps in smoothest start/stop for extra comfort.



Designated Torque Injection

Designated Torque Injection technology in the controller uses feed back received from the Load Sensor and supplies the exact voltage and frequency to motor required at that instance which in turn saves power & gives a smoother ride.



Hibernation Function

When on idle standby mode, Greentek elevator goes into hibernation function, where in the power consumption reduces by 80%, and starts up immediately on call registration.



Environment Friendly

Teknix Greentek is a elevator for greener buildings. In addition to the energy advantage, Greentek gearless motor requires no lubrication and zero maintenance



Low Headroom Height

Another outstanding feature of the Teknix Greentek is the low headroom height, which adds space for you to use. Also, this elevator requires no machine Room. And that's completely hassle free & space saving.



Direct Landing System

Teknix Greentek comes with Direct Landing system which completely expels the need for creeping speed by using rotary encoder for leveling

DYNAMIC | PRECISE | SUCCINCT

Progressive architecture with functionality & design at its core, impressively and harmoniously combined in the interior that exudes sophisticated & precise German workmanship that last for generations.



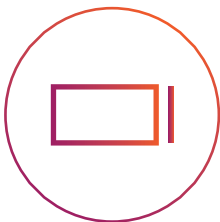
Ultra Heavy Duty Vertical Drive System

Greentek comes with first in class ultra heavy duty guide rail drive system, with increased guide rail thickness for extra support and ultra smooth ride and longevity of the elevator.



Dynamic Isolation

Teknix greentek elevators come with dynamic noise isolation technology using undercar dampers & floating upper car isolators for a noise & vibration free ride.



Monomer-cast Polamide Transmission Sheave

Teknix greentek elevators are pre-fitted with monomer-cast Polamide sheaves which reduce the noise levels due to friction and thereby increasing the life of ropes by upto 50%.



Smoother Ride

The Greentek Elevators are equipped with integrated close loop drive and DTI technology for ultimate riding comfort.



Designated Torque Injection

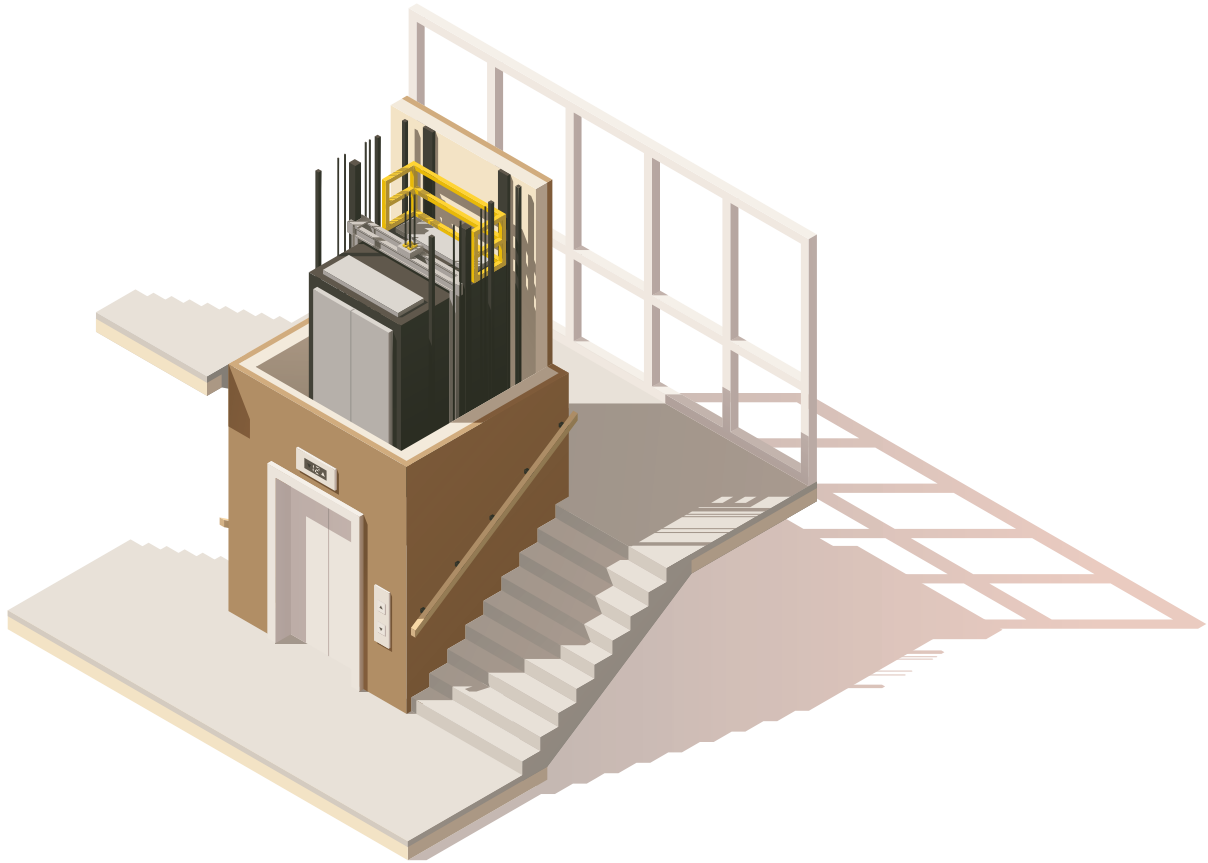
Designated Torque Injection technology in the controller uses feed back received from the Load Sensor and supplies the exact voltage and frequency to motor required at that instance which in turn saves power & gives a smoother ride.



Direct Landing System

Teknix Greentek comes with Direct Landing system which completely expels the need for creeping speed by using rotary encoder for leveling.

Specification



Type MRL/MMR	Powered by Gearless Traction Machine
Capacity	408kgs- 1632kgs(6p- 24p)
Speed	1.00m/s- 3.0m/s
Landings	2 to 30
Drive	Gearless PMSM/Frequency Controlled
Operation	Full Collective Selective
Door Width	700/800/900/1000/1200
Door Height	2100(s), 2200-2600(o)
Door Opening	Center Opening/ Telecopic Opening
Spacious Car	Teknix Greentek is Designed keep space utilization in mind giving the maximum usable space in the elevators as per the regional codes.
Silence	Teknix greentek comes with Gearless PMSM machine giving ultra silent ride

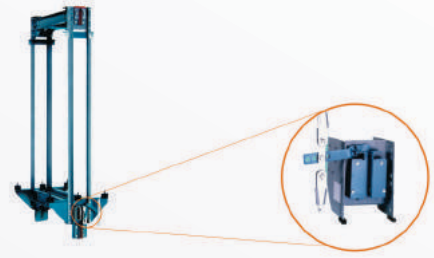


Machine Room Less

- Permanent Magnet Synchronous motor made of innovative Die casting.
- Dual Vented Disc brakes for unmatched safety and smooth stop.
- Automatic Brake testing system for checking brake conditions everyday, giving you extra safety and reliability.
- Dual Thermic Protection with Positive temperature coefficient resistors for motor burnout incase of winding overheat
- Confirmative European certified



Safety Systems



Unintended Car Movement Device



UCM Device

Protects against unintended car Movement caused by snapping of ropes.



Anti Squeeze door system

Greentek comes with Anti squeeze door system as a standard which is a add on safety to the light curtains, incase of malfunctioning of light curtain, the motor returns the doors on sensing the pressure of a object or a body in between the doors.



Light Curtains

Greentek comes with a Dense infrared curtain with criss cross beams to form a invisible safety net at the entrance of the elevator and quickly responds to any person or object coming into the detection plane.



Teknix Rescue Device

Automatic rescue device as a standard which brings the elevator to the nearest floor incase of power failure.



Dual Disc Brakes

Greentek gearless machines are equipped with dual vented disc brakes for a safe and smooth braking of the elevator.



Hydraulic Pit Buffer

Hydraulically operated buffer system with terminal switch for electrical circuit detachment for additional safety.



Over speed protection

Protection against over speed with Downward over speed protection device with terminal switch for electrical circuit detachment and certified as per confirmative European code.



Overload protection

Protection against overloading of the elevator then the desired load capacity



Earthquake protection system (Optional)

Greentek comes with earthquake protection system installed as a standard which stops the elevator at the nearest landing incase of earthquake



Fire rated door system

Greentek Doors comes with 120 minutes of fire rating as a standard certified as per the confirmative European code.



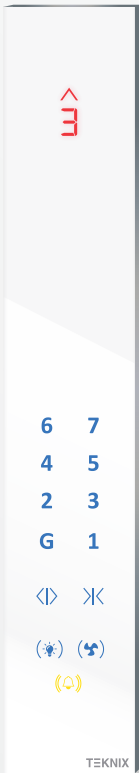
Over run protection system

Protects the occupants incase of elevator overshoot or undershoot with three stage terminal limit cut off system for extra occupant safety.



TEK 111 W

TEK111 comes with a highly intuitive touch interface on a smart glass panel fitted with a high definition display for a crystal clear floor position indication & all this and much more adds to the super premium ambience of the elevator.



TEK 111 B



Jahreszeiten, meaning seasons in Deutsch, our exclusive elevator cabin offering inspired by seasons of mother earth, is an exemplification of this thought, with an artful setting of diverse elements both formal and functional

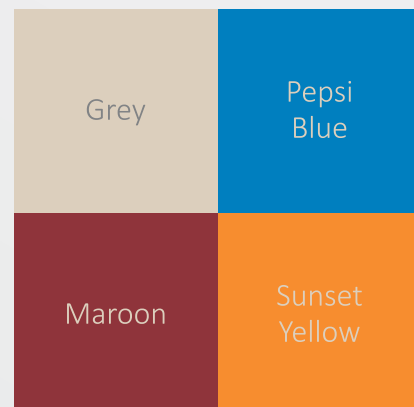
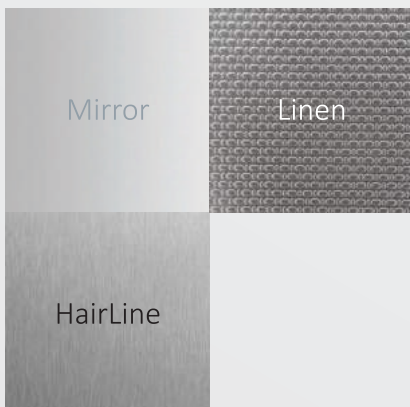
Herbst

Inspired by autumn, our range of elevator cabins that narrate a story with materials chosen to give you a modern and minimalistic touch & feel and covering you in a space age design



Frühling

Inspired by Spring, our range of elevator cabins that exemplify the bright colours, giving you a subtle taste and sense of calmness.



Standard Functions

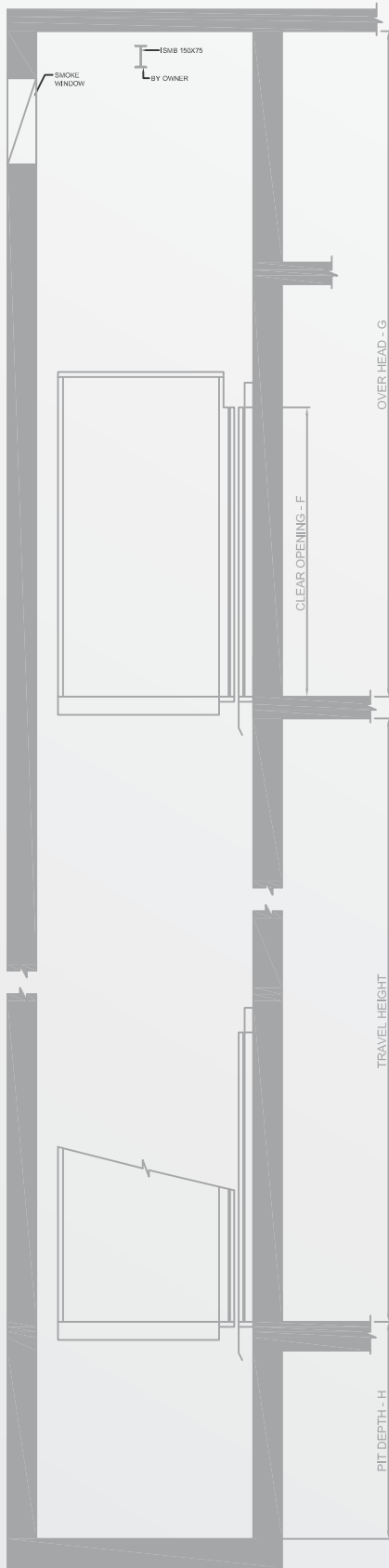
Mirror	Full Height Stainless steel Mirror finish panel on Rear wall
Key Switch	Key switch for auto attendant or on/off mode as a standard function on on all elevators incorporated in the Car Operating Panel
Handrail	Stainless Steel Handrail as a standard in rear wall
Closed Loop Control	Multiple micro-computer based closed loop control system with direct landing technology
Drive	Frequency controlled permanent magnet synchronous motor based gearless traction machine with dual vented disc brakes for perfect smooth braking.
Auto Curve Generation	Controller senses the load in the elevator & generates the S-curve based on the torque required automatically for a smooth ride.
Door Operator	VVVF Door operating system with close loop control
Door panel	Door panels provided as per E120 elevator standard to sustain fire up to 120 mins as per EN 51 standard (Feature not available for framed glass doors)
Door Protection	Full length infrared light curtain provided for safety of passengers & Objects
Human Interface Device	Stylish touch operated Car and hall operating Panel with key for Auto/Attendant or On/Off key, light & fan function.
Controller	Microprocessor based smart integrated control system with direct landing system
Operation	Full Collective Selective
Direction indicators	Car & hall operating panel would be equipped with direction and floor indicators for easy facilitation of passengers
Full Load Direct Run	Incase of full load the elevator will not make a stop at pre registered calls.
Wrong Call Cancellation	Wrong destination call can be cancelled by Double press of the destination button.
Auto on/off	Ventilation & lighting would have automatic on/off function.
Anti Nuisance function	Gets enabled with all the destination buttons are pressed at the same time by only single passenger in the elevator with a intention of nuisance.
Auto Park	Car automatically gets parked at the designated floor after completing the travel.
Overspeed Protection Device	When elevators speed is more then calibrated speed, the device will automatically stop the motor and activate the car safety in turn activating the unintended car movement device to stop the car from moving.
Automatic Rescue Device	Automatic rescue device will be provided in the elevator, which brings the elevator to the nearest landing incase of power failure.
Car Illumination	LED lighting inside the car for illumination

Car Ventilation	Cross flow ventilation system in the car
Power supply	AC415 Volts, 3 Phase & 220 Volts, 1 Phase, 50 Hz. AC
Phase Loss Protection	Automatic Phase loss protection system, stops the elevator movement when it senses loss of one of the three phases.
Hydraulic Buffer system	Energy Dissipating Hydraulically operated pit protection buffer system with mechanical cut off limit switch for extreme soft landing incase of buffering.
Over-run Protection device	Up/Down over run protection system with triple layer limit switch for extra safety

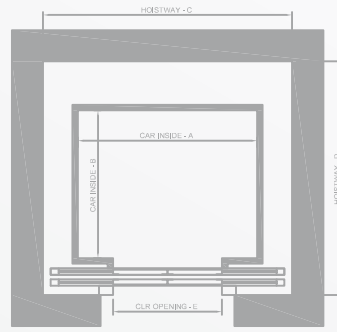
Optional Functions

Access Control (Optional Feature)	Access control with dual systems- Biometric Access Control or RFID card Access Control
Elevator A/C	
Earthquake Protection	Earthquake Protection system is which senses any kind of Seismic activity and gives a command to the control system which brings the elevator to a stop at the nearest floor





HOISTWAY ELEVATION



HOISTWAY PLAN

CAPACITY		CAR INSIDE		HOISTWAY		CLEAR OPENING		OVER HEAD UP TO 1.00 M/SEC	OVER HEAD > 1.00 M/SEC TO 1.50 M/SEC	OVER HEAD > 1.50 M/SEC TO 2.00 M/SEC
PERSONS	LOAD	A	B	C	D	E	F	G	G	G
6	408	1150	950	1600	1500	700	2000	4600	5000	5400
8	544	1300	1100	1800	1600	800	2000			

PIT DEPTH UP TO 1.00 M/SEC	PIT DEPTH > 1.00 M/SEC TO 1.50 M/SEC	PIT DEPTH > 1.50 M/SEC TO 2.00 M/SEC
H	H	H
1500	2000	2500

CAPACITY		CAR INSIDE		HOISTWAY		CLEAR OPENING		OVER HEAD 2.00 M/SEC	OVER HEAD > 2.00 M/SEC TO 2.50 M/SEC	OVER HEAD > 2.50 M/SEC TO 3.00 M/SEC
PERSONS	LOAD	A	B	C	D	E	F	G	G	G
10	680	1200	1450	1800	1900	800	2000	5400	5800	6000
13	884	1400	1500	2000	2000	900	2000			
15	1088	1000	2400	1700	3000	1000	2000			
20	1360	1300	2400	2000	3000	1000	2000			
22	1496	1800	1850	2500	2400	1100	2000			
24	1632	1900	1900	2600	2400	1100	2000			

PIT DEPTH UP TO 2.00 M/SEC	PIT DEPTH > 2.00 M/SEC TO 2.50 M/SEC	PIT DEPTH > 2.50 M/SEC TO 3.00 M/SEC
H	H	H
2500	2700	2900

NOTE:


- All dimensions are in millimetres.
- All dimensions are for clear finished lift wells after plastering.
- All walls minimum 150 RCC or 230 brick (Hoist way front wall 230 brick preferred).
- Finish Floor Level is denoted by FFL.
- RCC machine room structural floor slab 150 thick designed to sustain minimum 1000 Kg./M UDL.
- Power supply 400 volts, 3 phase, 4 wires, 50 Hz and 230 volts 1 phase terminating in a MCCB/ECCB switch to be provided by clients.
- 8 SWG copper wire double earthing on bus bar near MCCB to be provided by owner.
- For specific requirements our local representative will be happy to work with you in a preparation of working drawings.
- Arrangement of guide rail machine and door may change according to the capacity. Diagram shown here will change accordingly.

SRH aufzuge GmbH

SRH Aufzuge GmbH is an integrated multinational enterprise which develops, researches & manufactures elevators, control systems & other core components as well as parking system.



ZERTIFIKAT • CERTIFICATE • CERTIFICADO • CERTIFICAT



Technische Überwachungs- und Zertifizierungsgesellschaft mbH

Certificate Examination of Conformity

Certificate No.: KP 1601

Method Body: TÜV SÜD Industrie Service GmbH
Zertifizierungsstelle für Produkte aus Fernost
Wiederstraße 125
8000 München - Germany

Applicant: Sichai Elevator Co., Ltd
No. 1 Sichei Road, Lianxi Industrial Park, Huifeng
City Zhejiang Province, P.R. China

Certificate Number: Sichai Elevator Co., Ltd
No. 1 Sichei Road, Lianxi Industrial Park, Huifeng
City Zhejiang Province, P.R. China

Date of application: 2013-09-10

Manufacturer: Sichai Elevator Co., Ltd
No. 1 Sichei Road, Lianxi Industrial Park, Huifeng
City Zhejiang Province, P.R. China

Product, type: Escalator GSR20

Scope of application: Rise & run: 4.92 m, depending on
- installation (1.207 / 2.071)
- rated speed: 0.5 m/s (1.74 m/s)
- rated width: 900mm / 1000mm

Test laboratory: TÜV SÜD Industrie Service GmbH
Prüfzentrum für Produkte aus Fernost
Pflanzensaatweg 10
80686 München - Germany

Date and Number of Test Report: 2013-09-10
KP 1601



Test specifications: - EN 1151:2008 Annex I
- EN 1151:2008 A1:2010

Validity: This certificate is valid until 2018-10-06

Result: The operator (SR20) fulfills the requirements of the test specifications for the respective scope of application stated in this report, page 1, of the certificate, keeping the mentioned conditions.


Date of issue: 2013-10-07

Certification body for lifts and escalators

TUV

ZERTIFIKAT • CERTIFICATE • CERTIFICADO • CERTIFICAT



Technische Überwachungs- und Zertifizierungsgesellschaft mbH

EC type-examination certificate

Certificate no.: MR 11461

Method body: TÜV SÜD Industrie Service GmbH
Zertifizierungsstelle für Aufzüge und Sicherheitstechnik
Wiederstraße 125
8000 München - Germany

Applicant: Schner Elevator Co., Ltd
No. 1 Sichei Road, Lianxi Industrial Park, Huifeng
City Zhejiang Province, P.R. China

Certificate holder: Schner Elevator Co., Ltd
No. 1 Sichei Road, Lianxi Industrial Park, Huifeng
City Zhejiang Province, P.R. China

Date of application: 2013-09-10

Manufacturer of the test sample: Schner Elevator Co., Ltd
No. 1 Sichei Road, Lianxi Industrial Park, Huifeng
City Zhejiang Province, P.R. China

Product: Traction driven elevator without separate machine room

Type: GSR200 (430 kg - 1000 kg)

Test laboratory: TÜV SÜD Industrie Service GmbH
Prüfzentrum für Produkte aus Fernost
Pflanzensaatweg 10
80686 München - Germany



Date and number of the test report: 2013-09-10
MR 11461

EC Directive: 2011/85-EC

Result: The model (H) satisfies the essential safety requirements of the EU directive 2011/85-EC for the scope of application as stated on page 1.8.4 of the Annex to the EC type-examination certificate

Date of issue: 2013-10-07

Certification body for lifts and safety components
Manufacturing year: 2005

TUV

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Technische Überwachungs- und Zertifizierungsgesellschaft mbH

Certificate Examination of Conformity

Certificate No.: KP 1601

Method Body: TÜV SÜD Industrie Service GmbH
Zertifizierungsstelle für Produkte aus Fernost
Wiederstraße 125
8000 München - Germany

Applicant: Sichai Elevator Co., Ltd
No. 1 Sichei Road, Lianxi Industrial Park, Huifeng
City Zhejiang Province, P.R. China

Certificate Number: Sichai Elevator Co., Ltd
No. 1 Sichei Road, Lianxi Industrial Park, Huifeng
City Zhejiang Province, P.R. China

Date of application: 2013-09-10

Manufacturer: Sichai Elevator Co., Ltd
No. 1 Sichei Road, Lianxi Industrial Park, Huifeng
City Zhejiang Province, P.R. China

Product, type: Mining well GSR20

Scope of application: Max. Length: 40.0 m, depending on
- shaft width: 900 / 1000 mm
- inclinations: 0 / 12 /
- rated speed: 0.3 / 0.6 / 1.0 m/s

Test laboratory: TÜV SÜD Industrie Service GmbH
Prüfzentrum für Produkte aus Fernost
Pflanzensaatweg 10
80686 München - Germany

Date and Number of Test Report: 2013-09-10
KP 1601

Test specifications: - 2006/42/EC, Annex I
- EN 1151:2008 A1:2010

Validity: This certificate is valid until 2018-10-06

Result: The mining well (SR20) fulfills the requirements of the test specifications for the respective scope of application stated in this report, page 1, of the certificate, keeping the mentioned conditions.

Date of issue: 2013-10-07

Certification body for lifts and escalators




TUV



TEKNIX ELEVATORS PVT. LTD.

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Lalbagh West Gate Bangalore-56004.

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phone: Phone : +977-1-4433280 | Mobile :+977-9802080880

email:info@elevatorsolutionsnepal.com.np

* 24x7 service is provided for emergency evacuations only. Breakdown services would be provided in regular working hours of regular working days.

*180 mins guaranteed service response is the response time from the time of lodging the complaint on toll free number and it is the time required for the representative to reach the place of installation. 180 mins guaranteed service would be considered only in case the complain is lodged within the working hours of working days.