LARSSON ELEVATOR™

PRODUCT CATALOGUE

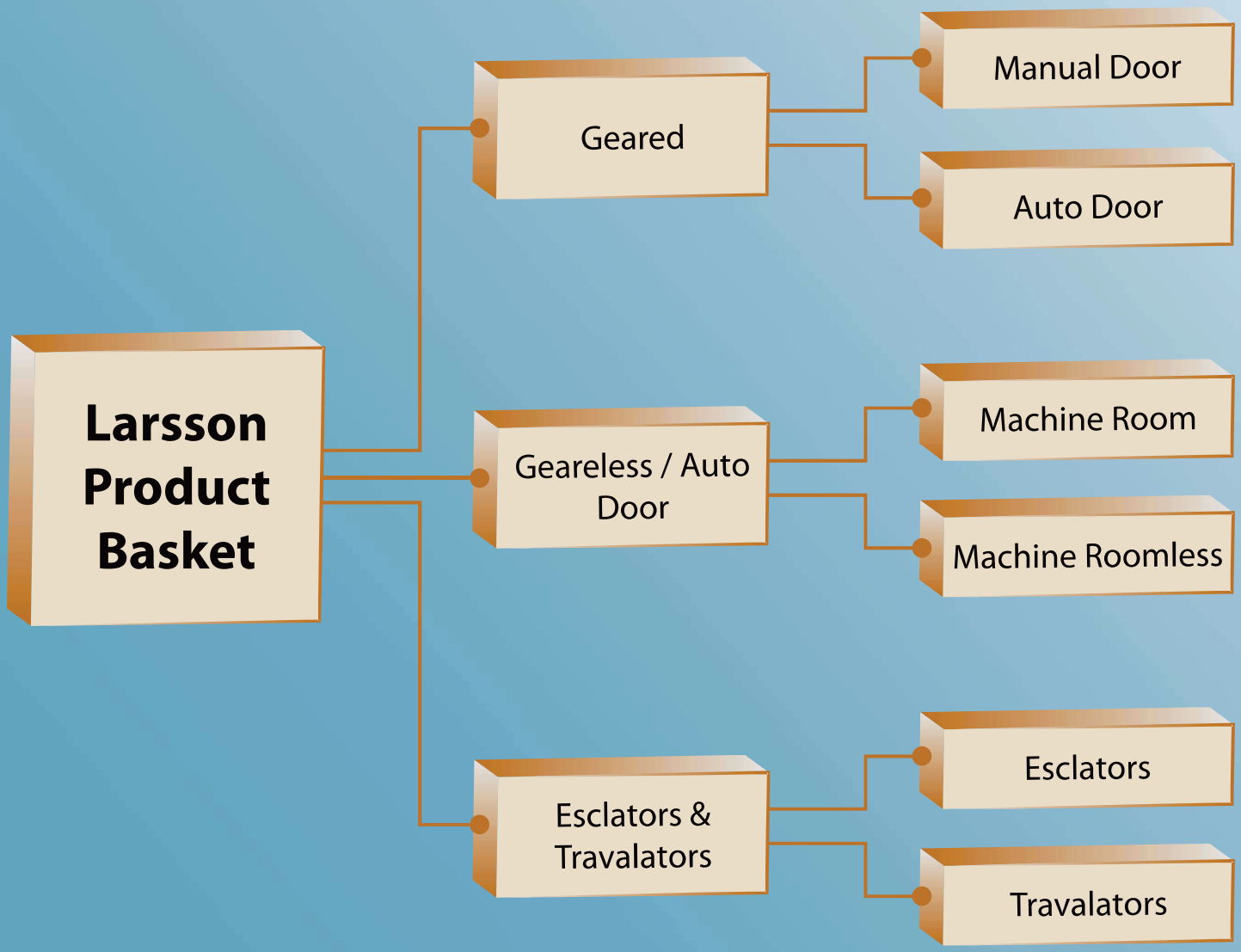
ABOUT US

Welcome To Larsson Elevator

Larsson Elevator is a leading manufacturer and supplier of high-quality elevators and escalators in India. With over 10 years of experience in the industry, we have established a reputation for delivering innovative and reliable vertical transportation solutions. Our products are designed and manufactured using advanced technology and strict quality control measures to ensure safety, efficiency, and durability.

We offer a wide range of elevator and escalator solutions for residential, commercial, and industrial buildings, as well as customized options to meet specific requirements. At Larsson Elevator, we are committed to providing exceptional customer service and support throughout the entire process, from consultation and design to installation and maintenance. Our team of experienced professionals is dedicated to ensuring that our customers receive the best possible solutions for their vertical transportation needs.

With a focus on quality, reliability, and customer satisfaction, Larsson Elevator is the trusted choice for elevators and escalators in India and beyond.



MRL / MR

LARSSON ELEVATOR™

With Machine Room

- Reduce Machine Room Height of 250mm
- Save 50% Machine Room Area
- Greatly Save Architectural Space
- Simple Wiring of Machine Room More Efficient Installation

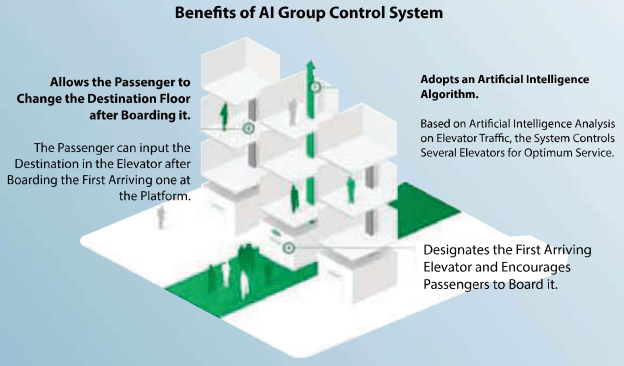
Without Machine Room

- Save Construction Area
- Artistic and Simple Shape
- Reduce comprehensive Construction Cost
- Reduce Power Consumption by 40% as Compared with Conventional Elevator

LARSSON ELEVATOR™

AI Group Control System

The artificial intelligence-based group control system controls the operation of elevators in groups so that passengers going in the same orientation are encouraged to board the first arriving elevator.



Comfort - enjoy smooth and pleasant trip

High-end door-motor system

The advanced VVVF control technology applies to the door-motor system, makes door starting, speeding up, braking curves smooth and fluent. Bring comfort to passengers by quiet switches.

Accurate position control system

This system uses advanced sensor that gets real-time signal feedback of the movement state of motor rotor. To make car positioning precision reach zero for better in and out freely.

Safety-humanity care all the way

ID/IC card identification system

This system controls the use of elevators by ID/IC card. Users take elevator by card to improve safety of buildings and efficiency of property management and create private space for them.

Infrared light curtain protection system

There's intensive light curtain protective barrier that naked eye cannot see at entrance, it could make sensitive response quickly to any objects in detection range in order to protect passenger safe efficiently.

Energy-saving - green model, path to sustained

A new generation of gearless permanent magnet synchronous traction machine

Excellent driving performance, more high-efficient running smart figure with convenient layout saves 10% construction area compared with the same load gear elevator, it saves 50% electric energy.

Energy feedback technology

Through energy feedback device, electric energy converted by potential energy produced when in elevator running gives back to the grid for the use of other electrical equipments in the building, this device could save 30% electric energy efficiently.

LED energy-saving lighting in car

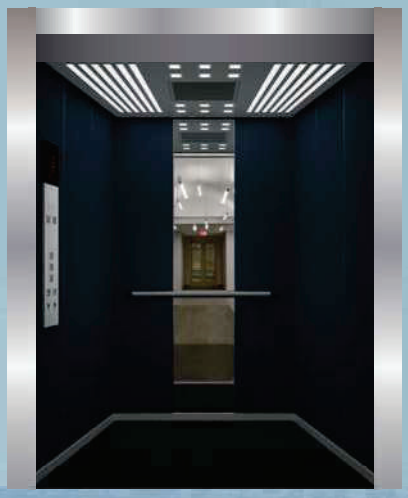
We adopt super long-life LED light without harmful substances to save 80% energy saving than conventional tube under the same illumination.

Car automatic lighting system

Turn off lighting automatically if nobody in the car.
Turn off lighting automatically after receiving calls.

MS FINISH CABIN

LARSSON ELEVATOR™

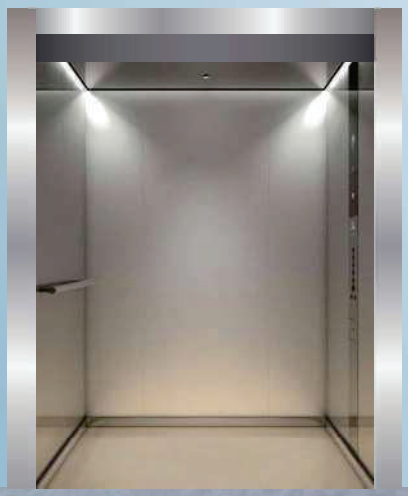
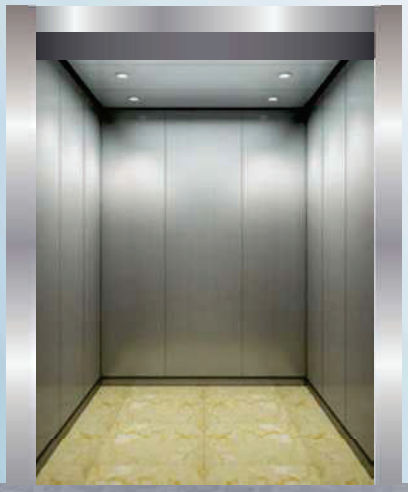


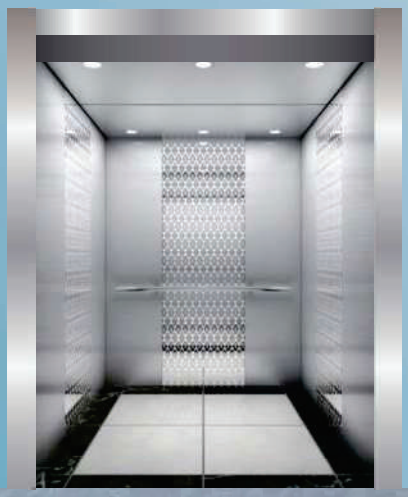



CEILING	:	Mild Steel Paint Frame, Top With Stainless Steel, Hidden Lamp Type Spotlight
CAR WALL	:	Mild Steel Paint Frame, Mirror Finish Stainless Steel, Decorative Sheet (1 Side Only) Wood Veneer, Glass Mirror, Hidden Lamp Tape
HANDRAIL	:	Dermatoglyphic Hard pack
GROUND	:	PVC Flooring

SS FINISH CABIN

LARSSON ELEVATOR

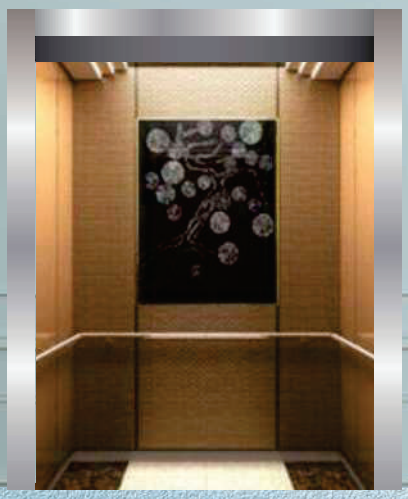
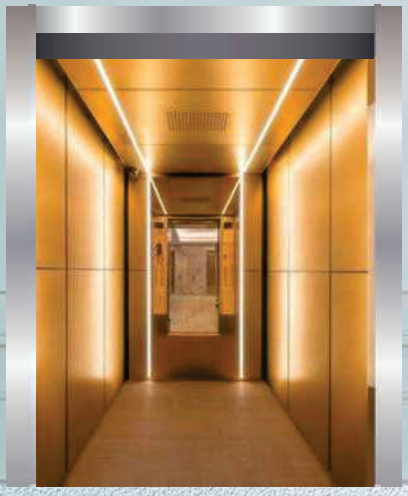


CEILING	:	Stainless Steel Paint Frame, Top With Stainless Steel, Hidden Lamp Type Spotlight
CAR WALL	:	Stainless Steel Hairline Frame, Mirror Finish Stainless Steel, Decorative Sheet (1 Side Only) Wood Veneer, Glass Mirror, Hidden Lamp Tape
HANDRAIL	:	Dermatoglyphic Hard pack
GROUND	:	PVC Flooring

DESIGNER FINISH CABIN

LARSSON ELEVATOR™

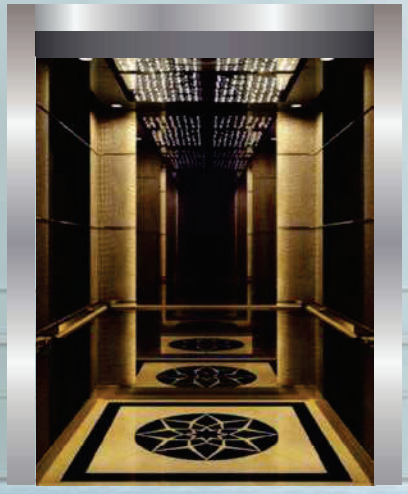
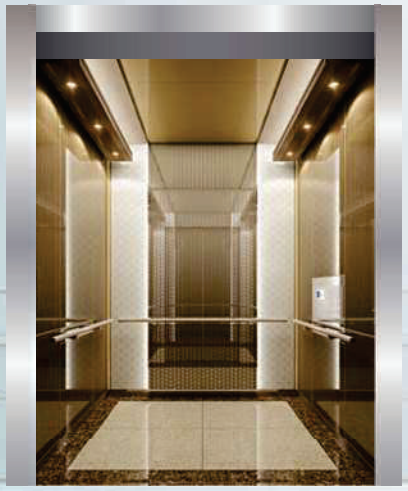
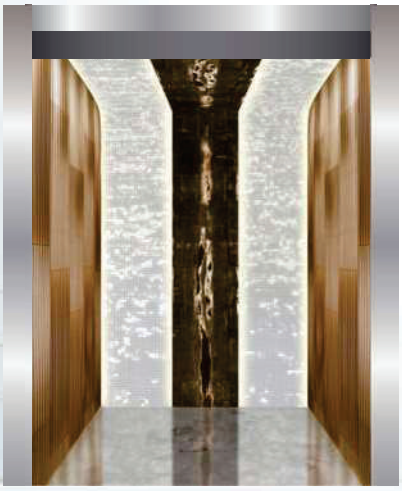
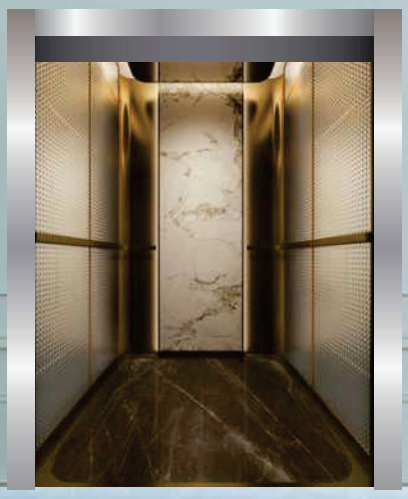


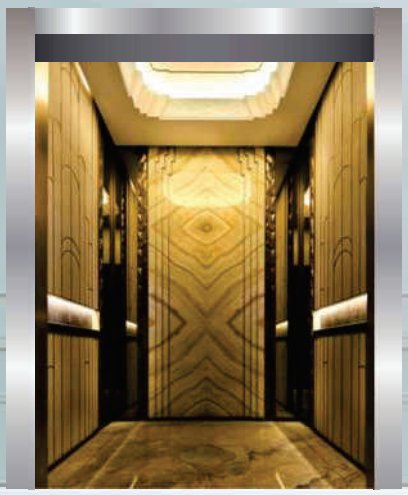

CEILING	:	Steel Paint Frame, Top With Gold Foil, Hidden Lamp Type, Spotlight
CAR WALL	:	Bronze Mirror Stainless Steel, Dermatoglyphic Hard Package, Wood Veneer, Glass Mirror, Hidden Lamp Tape
HANDRAIL	:	Dermatoglyphic Hard pack
GROUND	:	PVC Flooring

DESIGNER FINISH CABIN

LARSSON ELEVATOR™

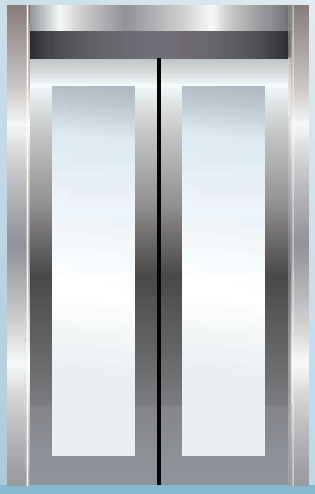


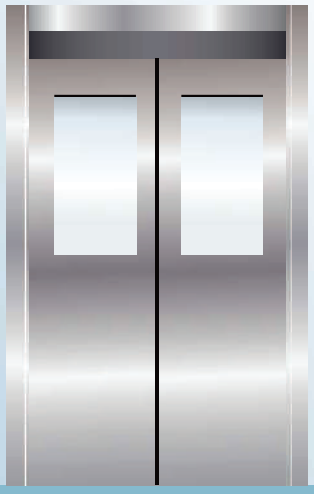
AUTO & MANUAL DOORS

LARSSON ELEVATOR™

FRAMELESS GLASS DOOR



FRAMED FULL GLASS DOOR



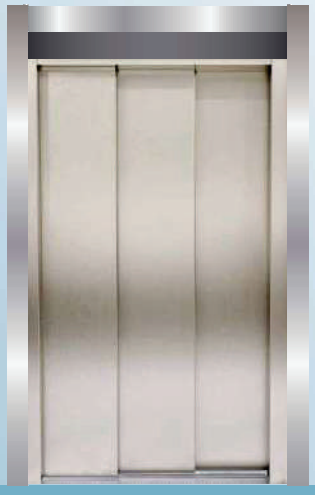
HALF GLASS DOOR

SMALL VISION GLASS DOOR

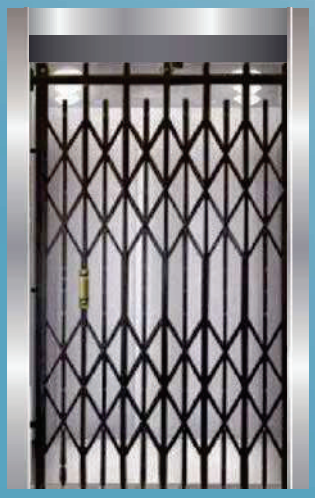
SS AUTO DOOR

SS TELESCOPIC DOOR

FOUR PANEL DOOR



THREE PANEL DOOR



COLLAPSIBLE DOOR

MANUAL TELESCOPIC DOOR

SWING DOOR

IFG DOOR

CEILING

LARSSON ELEVATOR™

PVC FLOORING

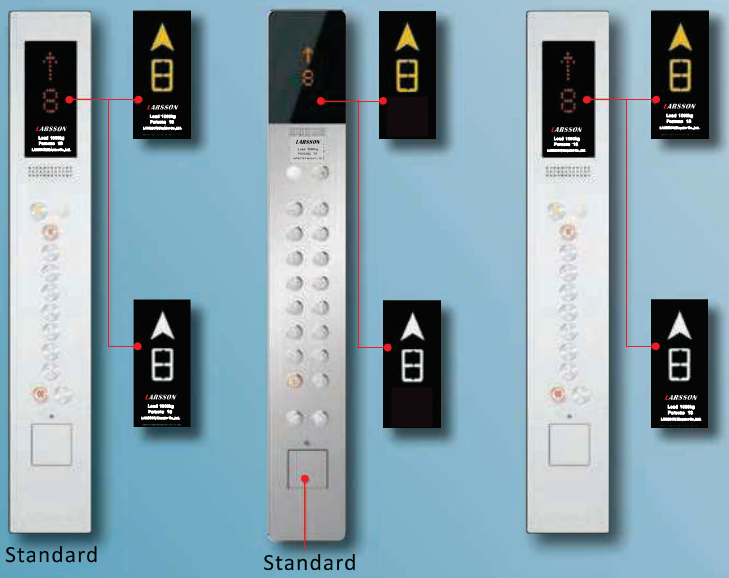
FIXTURES

LARSSON ELEVATOR™

HANDRAILS

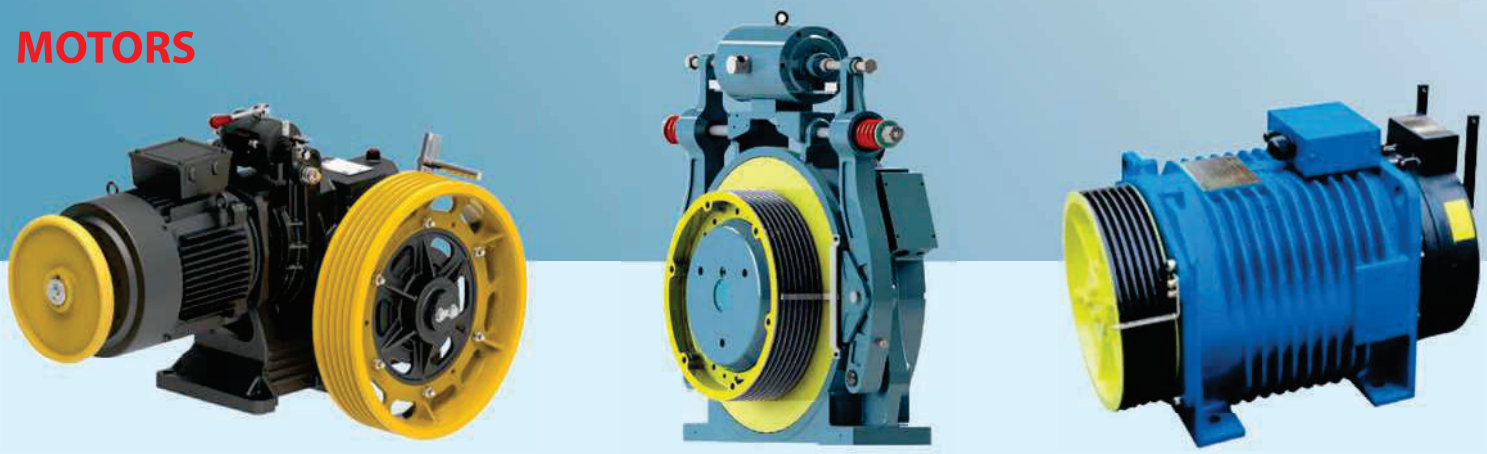
HALL LANTERNS

COP (Car Operating Panel)



LOP (Landing Operating Panel)

MOTORS



TECHNICAL DETAILS

LARSSON ELEVATOR™

MRL (GEARLESS) LIFTS CHART

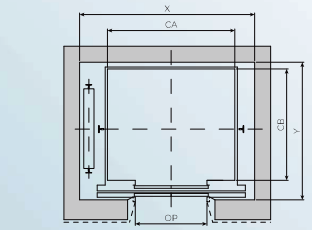
(Standard Car Height - 2200 mm)

Rated Load (Kgs)	Rated Speed (mps)	Car Size W x D (mm)	Shaft Size W x D (mm)	Door Size W x D (mm)	Door Opening Type (ACO/ ATO)
272 Kgs (4P)	1.0 & 1.5	900 x 1000	1550 X 1250	700 x 2000	ACO
340 Kgs (5P)		850 x 1000	1550 x 1400	700 x 2000	ACO
408 Kgs (6P)		1000 x 1100	1600 x 1450	700 x 2000	ACO
		1050 x 1050	1650 x 1350	700 x 2000	ACO
544 Kgs (8P)		1050 x 1300	1700 x 1600	800 x 2000	ACO
		1300 x 1100	1900 x 1400	800 x 2000	ACO
680 Kgs (10P)		1350 x 1300	2000 x 1800	800 x 2000	ATO
884 Kgs (13P)		1200 x 1800	1900 x 2100	900 x 2000	ACO
		1000 x 2000	1750 x 2350	800 x 2000	
1020 Kgs (15P)		1400 x 1750	2100 x 2050	1000 x 2000	ACO
1088 Kgs (16P)		1400 x 1800	2100 x 2100	1000 x 2000	ACO
		1100 x 2400	1850 x 3000	900 x 2000	
		2000 x 1300	2650 x 1700	1000 x 2000	
1360 Kgs (20P)		1600 x 1900	2400 x 2250	1000 x 2000	ACO
		1300 x 2400	2200 x 2900	1200 x 2000	ATO
1630 Kgs (24P)		1500 x 2400	2300 x 2900	1200 x 2000	ATO

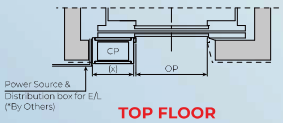
INSTALLATION LAYOUT PLAN

YZER-1 (1.0~2.5 m/sec., 1S-CO)

PLAN OF HOISTWAY

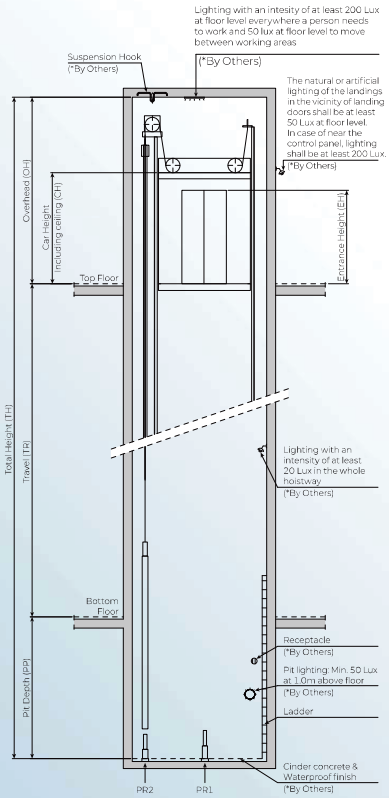


TYPICAL FLOORS



TOP FLOOR

SECTION OF HOISTWAY



MR (GEARLESS & GEAR) LIFTS CHART

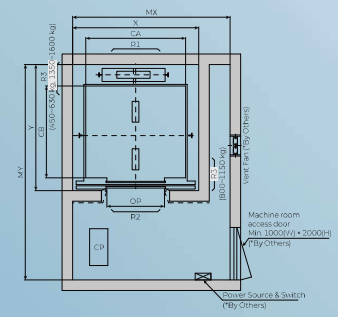
(Standard Car Height - 2200 mm)

Rated Load (Kgs)	Rated Speed (mps)	Car Size W x D (mm)	Shaft Size W x D (mm)	Door Size W x D (mm)	Door Opening Type (ACO/ ATO)
272 Kgs (4P)	0.5, 0.7, 1.0 & 1.5	1100 x 700	1550 X 1250	700 x 2000	ACO
340 Kgs (5P)		1100 x 900	1550 x 1350	700 x 2000	ACO
408 Kgs (6P)		1000 x 1000	1500 x 1500	700 x 2000	ACO
		1200 x 900	1600 x 1400	700 x 2000	ACO
544 Kgs (8P)		1300 x 1100	1750 x 1650	800 x 2000	ACO
		1300 x 1100	1600 x 1800	800 x 2000	ATO
680 Kgs (10P)		1350 x 1300	1800 x 1800	800 x 2000	ACO
884 Kgs (13P)		1100 x 2000	1750 x 2400	900 x 2000	ATO
		2000 x 1100	2400 x 1700	900 x 2000	ACO
1020 Kgs (15P)		1000 x 2400	1700 x 2800	900 x 2000	ATO
1088 Kgs (16P)		1600 x 1600	2300 x 1950	1000 x 2000	ACO
		1100 x 2400	1900 x 2800	900 x 2000	
		2100 x 1300	2500 x 1800	1000 x 2000	
1360 Kgs (20P)		1600 x 1900	2400 x 2300	1000 x 2000	ACO
		1300 x 2400	2000 x 2900	1200 x 2000	ATO
1630 Kgs (24P)		1500 x 2400	2200 x 2900	1200 x 2000	ATO

INSTALLATION LAYOUT PLAN

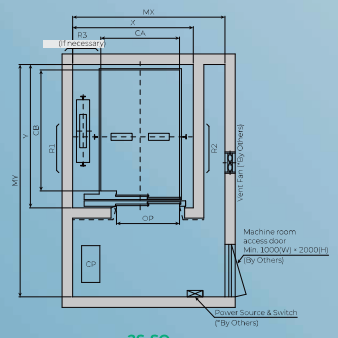
LUXEN-1 (1.0~2.5 m/sec.)

PLAN OF HOISTWAY



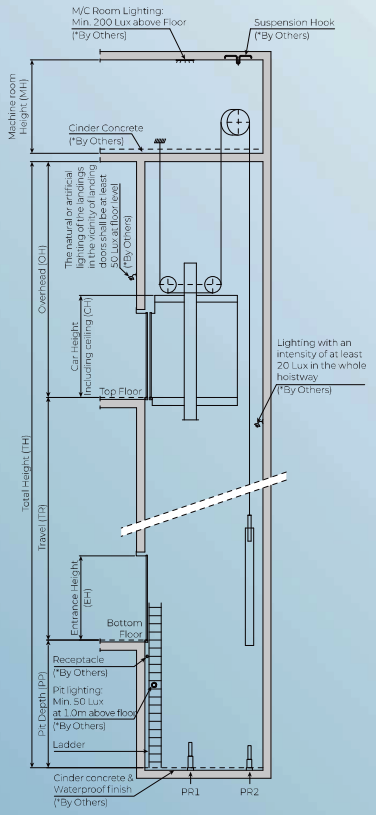
▲ Notes : Angle of car sheave can be changed depending on the car size.

1S-CO



2S-SO

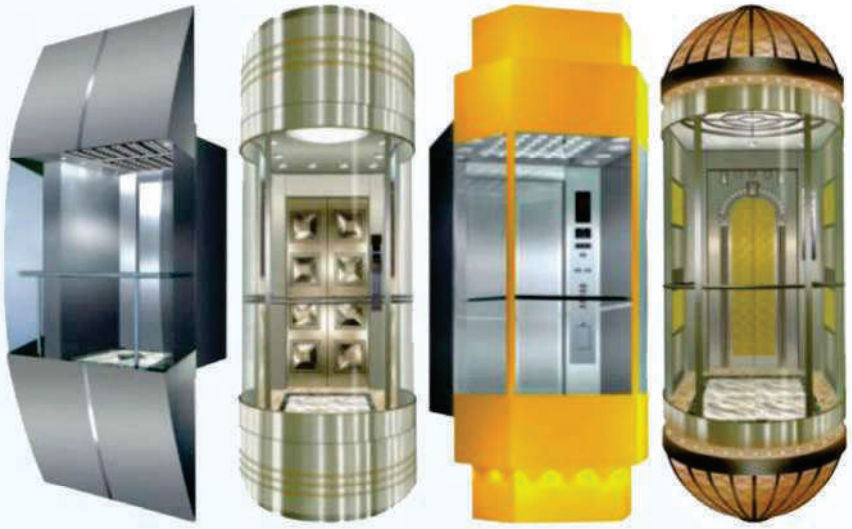
SECTION OF HOISTWAY



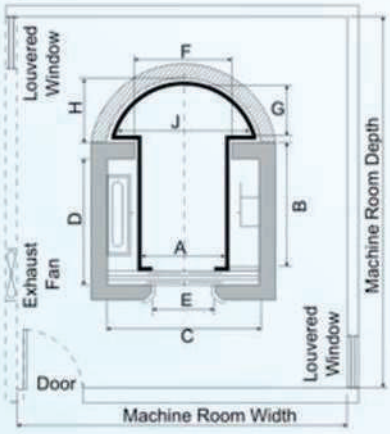
NOTE : If With Glass Doors, Granite / Marble / Spl. Flooring, Extra Car Interior Decoration By Customer Pit Depth & Overhead Increase To 1600 & Up To 4800

CAPSULE ELEVATOR

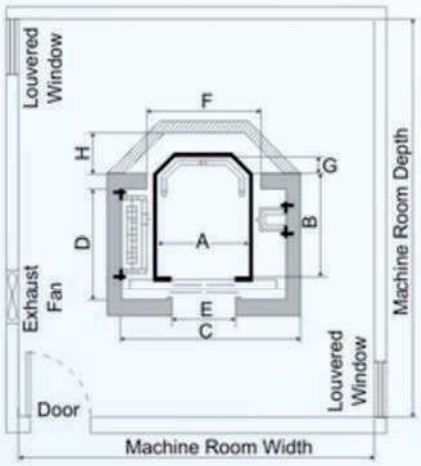
LARSSON ELEVATOR™



Option-A



Option-B



Technical Dimension

Load		Card Inside				Left Well				Entrance
Person	Kgs.	A	B	J	G	C	D	F	H	E
10	680	1100	1300	1400	650	2200	1325	1330	1100	800
13	884	1200	1400	1550	700	2400	1425	1430	1100	900
16	1088	1300	1500	1700	750	2800	1530	1530	1200	1000

Load		Card Inside			Left Well				Entrance
Person	Kgs.	A	B	G	C	D	F	H	E
10	680	1250	1300	250	2200	1450	1480	580	800
13	884	1400	1400	300	2400	1550	1630	650	900
16	1088	1550	1500	350	2800	1780	1650	790	1000

HOSPITAL ELEVATOR

LARSSON ELEVATOR™

Rated Load (Kgs)	Rated Speed (mps)	Car Size (W) x (D), mm	Shaft Size (W) x (D), mm	Door Size (W) x (H), mm	Door Opening Type (ACO/ ATO)
884 Kgs (13 P)	0.5\1.0\1.5	1000 x 2200	1700 x 2650	800 x 2000	ACO
				900 x 2000	ATO
1020 Kgs (15 P)		1000 x 2400	1800 x 3000	800 x 2000	ACO
				900 x 2000	ATO
1360 Kgs (20 P)		1300 x 2400	2200 x 3000	1000 x 2000	ACO
				1200 x 2000	ATO
1768 Kgs (26 P)		1600 x 2400	2500 x 3000	1100 x 2000	ACO
				1400 x 2000	ATO

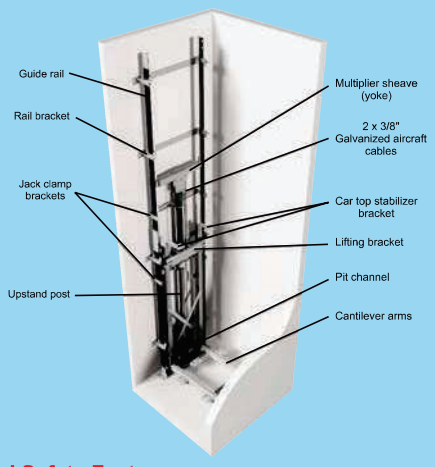
HOME ELEVATOR

LARSSON ELEVATOR™

Hydraulic Drive System - Technical Reference

General

- Capacity - 1000 lbs
- 40 ft. per minute (0.2 m/sec) nominal car speed
- Up to 6 stops, Maximum 6 landing doors
- Maximum floor total travel of 42' 6" (12950 mm)
- Pit depth of 8" (200 mm) is recommended for units with standard swing doors. 12" (356 mm) pit required for units with automatic sliding car doors
- Overhead clearance of 96" (2440 mm) from upper landing with standard 84" (2135 mm) cab height
- Minimum distance between floors is 10" (255 mm)



Standard Safety Features

- Emergency manual lowering
- Slack/broken cable instantaneous safety device
- Upper and lower terminal limit switches and a final limit at top and bottom of travel
- Hoistway door interlocks ensure the car does not move unless all hall doors and cab gate(s) are closed and locked
- Emergency battery backup light and alarm
- Certified electrical control system
- Automatic bi-directional leveling (Encoder)

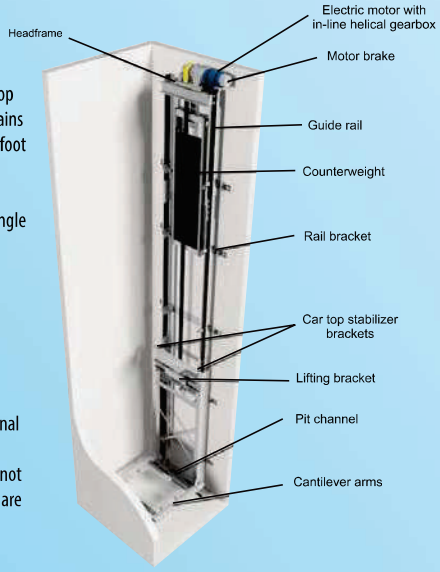
In-Line Drive System - Technical Reference

General

- Capacity - 1000 lbs
- 40 feet per minute nominal car speed (0.2 m/sec)
- Up to 6 stops, Maximum 6 landing doors
- Maximum floor total travel of 50' (15240 mm)
- Pit depth of 8" (200 mm) is recommended for units with standard swing doors. 9 -1/4^ prime prime (235 mm) pit required for units with automatic side sliding car doors.
- Minimum distance between floors is 10 ^ prime prime (255 mm)

Equipment

- Variable frequency drive for smooth start and stop
- Suspension: Two #60 ANSI Heavy Duty Roller Chains
- Heavy duty cantilever design utilizing 8 lbs per foot steel elevator guide rail system
- High Efficiency Helical reduction gear
- Standard power supply is 240 VAC (MAX), single phase, 60/50 Hz

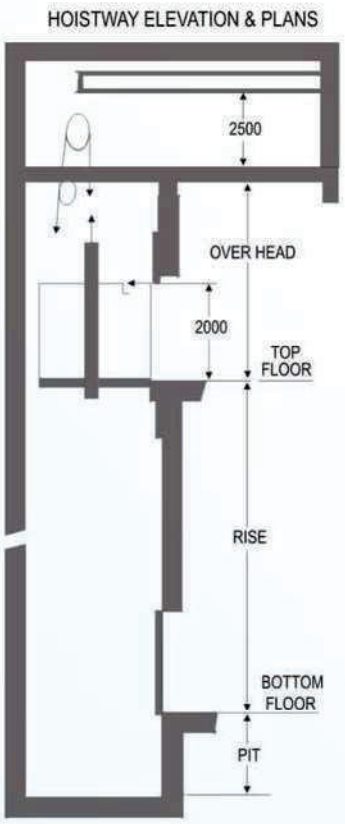


Standard Safety Features

- Emergency manual lowering
- Slack/broken chain instantaneous safety device
- Upper and lower terminal limit switches and a final limit at top and bottom of travel
- Hoistway door interlocks ensure the car does not move unless all hall doors and cab gate(s) are closed and locked
- Emergency light and alarm
- Certified electrical control system
- Mechanical Overspeed Governor with electronic detection
- Car and Counterweight Over Travel Bumpers
- Mechanically integrated fail safe brake system
- Uninteruptable Power Supply (UPS) ensures the ability to lower the car and descend to an exit landing, even in the event of a power outage.

GOODS ELEVATOR

LARSSON ELEVATOR™



Specific Features

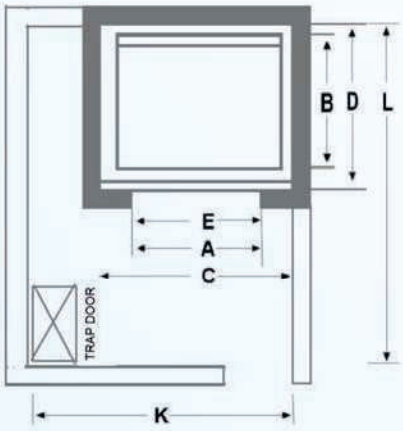
| General Type |

Accurate landing, smooth acceleration and deceleration, comfortable riding, low-noise operation

- 40% energy saving (compared to conventional AC control system)
- 40% reduction in building power requirements (compared to conventional AC control system)
- High reliability with enhanced operation in all respects (All functions are controlled by computer and frequency of machine breakdown rates minimized)
- Self-checking system built-in inside computer

| Hydraulic Type |

- Smaller installation space than traction (rope) elevators requires
- Greater advantages for construction design (Because machine rooms can be made anywhere in the building except in the shaft)
- Accurate landing and comfortable riding
- High reliability (If power fails, the car moves down to the bottom floor automatically)
- Enhanced safety (Safety device cuts off the flow of oil when the descending speed of car exceeds the pre-determined speed)



Hoist Way Machine Room Size : Goods Elevator

Capacity	Car Inside		Lift Well		Clear Opening	Wall Opening	Machine Room			Pit Depth	Over Head	Speed
LOAD IN KG.	A	B	C	D	E	F	G	H	Height			Mt/Sec
500	1200	1200	1650	1650	800 x 2000	1150 x 2225	2700	2700	2500	1600	4200	0.35
1000	1700	1600	2400	1900	1200 x 2000	1625 x 2225	3500	3000	2500	1600	4600	0.35
1500	2000	2000	2700	2300	1500 x 2000	2000 x 2225	4000	4000	2500	1600	4600	0.35
2000	2200	2500	2900	2800	1500 x 2000	2000 x 2225	4000	4200	2500	1600	4600	0.35
2500	2500	2500	3200	2800	1600 x 2000	2100 x 2225	4500	4500	2500	1600	4800	0.35
3000	2500	3200	3300	3500	1600 x 2000	2100 x 2225	4500	5200	2500	1600	5200	0.35
4000	2500	4000	3400	4300	2000 x 2000	2600 x 2225	4500	6300	2500	1600	5200	0.35

SAFE
SAFEGUARD YOUR TRANSPORT
SAFETY IN AN ALL-ROUND WAY

LARSSON ELEVATOR™

Handrail Light

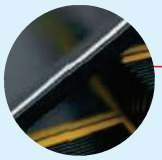
The handrail are installed In the handrail support. The Soft light adds beauty to Running escalators.

Step Lights

The are installed below upper and bottom steps. When two connecting steps separates, the green fluorescence emits from the teeth of steps to facilitate the recognition of step levels for passengers.

Skirt Panel Lights

Their light is beautiful and elegant. It also highlights escalators in building and creates more comfortable and safer experiences for passen gears.



Skirt Panel Brush

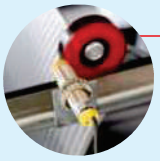
It prevents passengers' clothing being stuck in the clearance between skirt panel and side edges of steps to ensure their safety.

Direction Indicator Light

The running direction and restriction signs are at the handrail belt entry to show running or restriction instructions to ensure the safety of passengers.

Emergency Stop Button

When an escalator breaks down suddenly, you can press the emergency stop button to stop the escalator immediately to prevent a more severe accident



Step Speed Testing Device

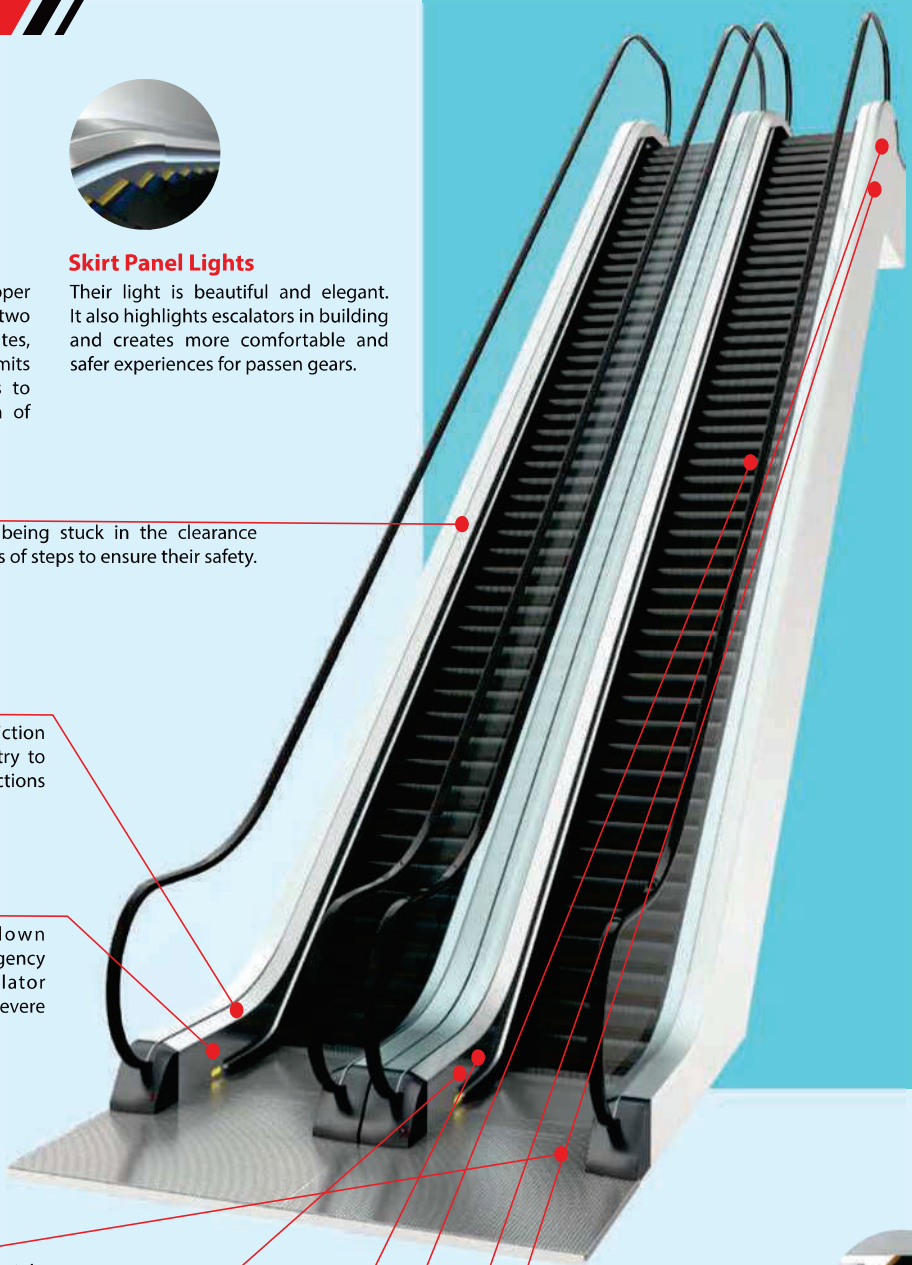
If the speed of handrail belts is a certain percentage slower than that of steps, the escalator (mov ing sidewalks) will stop.

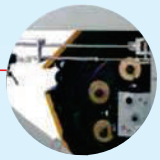
Automatic Start/Stop

The infrared sensing device on the two sides of the landing floor plates at the entry and the exit can detect passengers entering this area in real time and starts. the control microcomputer to automati cally start the escalator (moving sidewalks). When all passengers leave.. the escalator stops automatically to achieve the best energy-saving effect.

Automatic Start/Stop

The maintenance work can become more convenient and easier by observing digital instructions displayed on the digital panels installed on the sides of the skirt panels at the entry and exit of escalators (moving sidewalks).





Emergency Brake Device

When the power is not enough or any safety device acts, the brake device will acts by spring force to stop escalators (moving sidewalks).

Drive Chain Breakage Protection

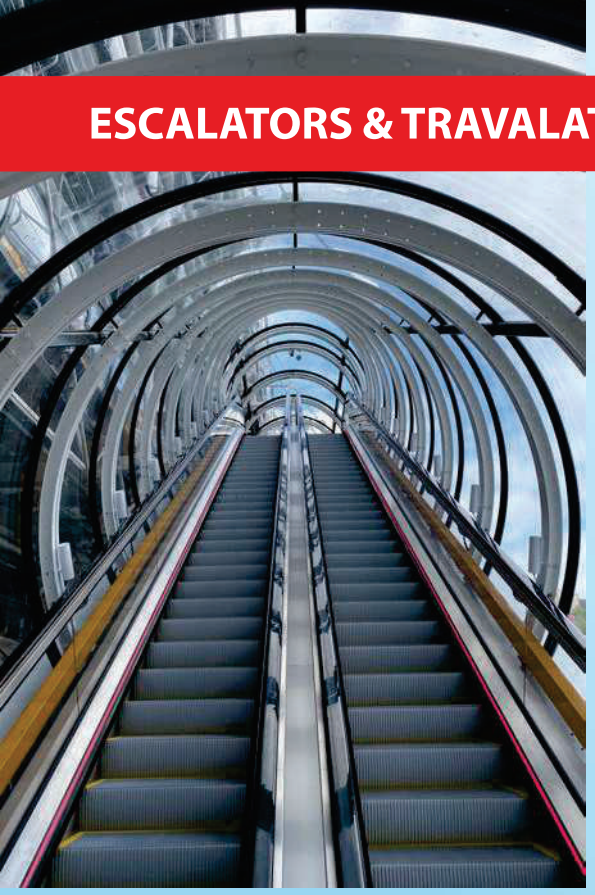
When drive chains are stretched excessively or break, escalators (moving sidewalks) will automatically stop.

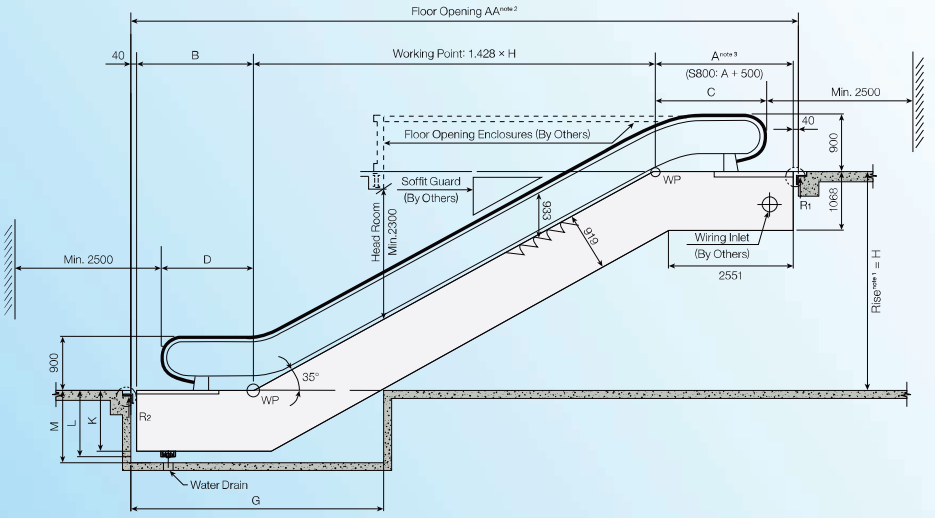
Step/Landing Floor Plate Sinking Protection Device

When steps bend abnormally, escalators (moving sidewalks) will stop before steps enter the comb plate

ESCALATORS & TRAVALATORES

LARSSON ELEVATOR™





Q'ty of Flat Step	A	B	C	D	G
2	2650	2175	2260	1785	4450

SECTION DIMENSIONS

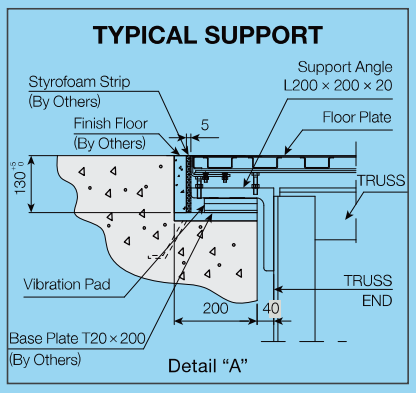
(Unit: mm)

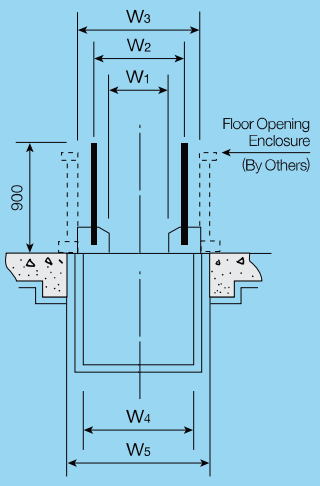
Type	S800	S1000	S1200
W_1	608	807	1007
W_2	837	1037	1237
W_3	1130	1330	1530
W_4	1100	1300	1500
W_5	1200	1400	1600

REACTIONS

(Unit: kg)

Vertical Rise H (mm)	Reactions	S800	S1000	S1200
2000 ~ 6000	R_1	0.51H + 2400	0.59H + 2700	0.66H + 3000
	R_2	0.51H + 1800	0.59H + 2100	0.66H + 2300





Notes:

1. Vertical rise: H ≤ 6 m.
2. AA = 1,428 × H + A + B + 80
   When maximum floor opening exceeds AA = 15,800 mm, intermediate support (s) are required. Please contact your local Hyundai sales agent for intermediate support data.
3. 800type require the truss to be extended by at least 500 mm of dimension A
4. Please refer to the table.

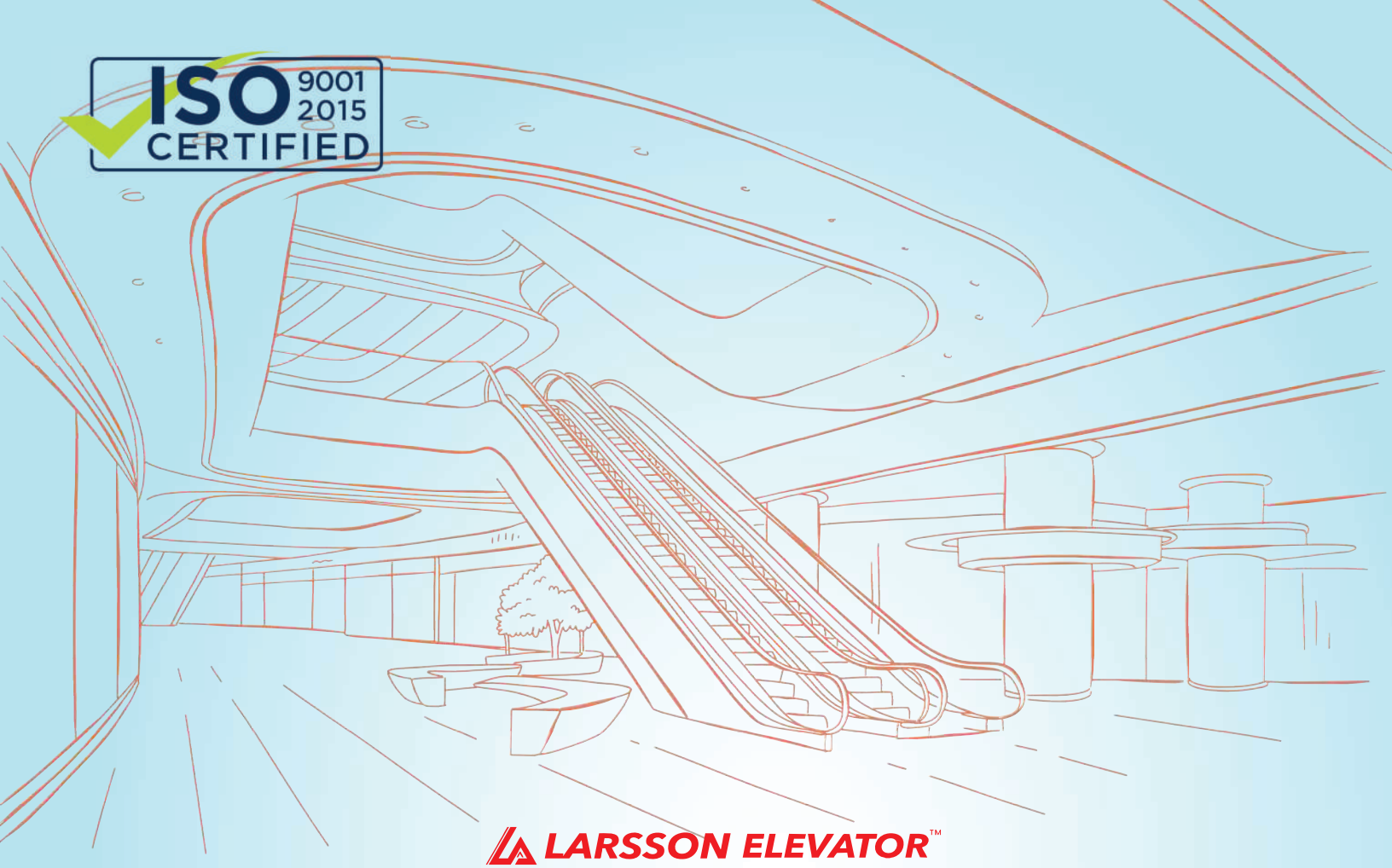
Type	K	L	M
Indoor	1008	-	1110
Outdoor	1008	1186	1300

FEATURES

LARSSON ELEVATOR™

Feature	Description	Standard	Optional
Selective Collective Operation	Operation is carried out completely automatically when a call is registered.	◆	
Car Door Safety Edge with Single Side	A safety edge that runs down the full height of the door causes the door to reopen when it detects a person or obstacle while closing.	◆	
Automatic Car Light & Fan Turn-off	Car lighting and fan are turned off automatically when the car is idle to save energy.	◆	
Landing Door Interlock Device	A device integrated into the door operator prevents the car from moving when the doors are open. It locks doors completely while the car is operating to impede the opening of doors from the outside.	◆	
Interphone (Intercom)	An interphone system provides emergency communication between passengers in the car and personnel in the machine room, maintenance room, or security office.	◆	
Overload Control	A buzzer sounds and the car does not operate when passenger load exceeds maximum capacity. The buzzer stops, doors close, and the elevator starts to operate when passengers get off and weight is brought below the limit.	◆	
Low Speed self-rescue Operation	If a car stops between floors during normal operation and the safety device does not work, the car will automatically move to the nearest floor at a low speed, open its doors, and allow passengers to get off.	◆	
Parking Operation	Elevators can be automatically parked at a predetermined floor with doors closed and lights and fan turned off.		◆
Multi-beam Device for Car Doors	Multi-beams from the top to the bottom of the door detect obstructions and force the door to remain open or to reopen before it hits the obstruction.		◆
Anti-nuisance Operation	When there is a significantly larger number of calls registered than the number of passengers, the elevator prevents unnecessary operation by canceling all calls entered after it arrives at the nearest floor.		◆
Emergency Fire Operation	Cars return to a predetermined floor in the event of fire to help evacuate passengers safely.		◆
Voice Synthesizer	A voice synthesizer directs passengers with audible operational information, such as car direction, floor landed, and emergency alerts.		◆
Emergency Power Generator Operation	Power is supplied from the building's power generator and elevators operate under emergency power mode during power outages.		◆
Emergency Firefighter's Service	Firefighters can use elevators parked at a specific floor to support fire-fighting operations in the event of a fire.		◆
ELD (Emergency Landing Device)	Elevators are sent to the nearest floor using power from a rechargeable battery when power outages occur and there is no emergency power in order to prevent the trapping of passengers.		◆
Attendant Operation	The elevator's operating mode can be switched from its regular automatic mode to manual mode using the attendant's switch on the COP.		◆
Emergency Earthquake Operation	An earthquake sensor detects seismic waves and forces the elevator to stop at the nearest floor with its door fully open, preventing further operation.		◆

ISO 9001 2015 CERTIFIED



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